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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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#### 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.

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

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

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

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

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

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

| Calling Line        |           |
|---------------------|-----------|
| Identif Restr       |           |
| Identifi. Restr.    |           |
|                     |           |
|                     |           |
|                     |           |
| COLP                | 2223 v    |
| COLI                | 2.2.2.J.A |
|                     |           |
| Connected Line      |           |
| Identif Present     |           |
| Identifi. I Tesent. |           |
|                     |           |
|                     |           |
|                     |           |
| COLR                | 2.2.2.4 x |
| COLIC               | 2.2.2.1.1 |
|                     |           |
| Connected Line      |           |
| Identif. Restr.     |           |
|                     |           |
|                     |           |
|                     |           |
|                     |           |
| SUB                 | 2.2.2.5.x |
|                     |           |
| Sub addressing      |           |
| Sub-addressing      |           |
|                     |           |
|                     |           |
|                     |           |
| LILIS               | 2226 v    |
| 005                 | 2.2.2.0.A |
|                     |           |
| User-to-user        |           |
| signalling          |           |
| Signannig           |           |
|                     |           |
|                     |           |
|                     |           |
| CUG                 | 2.2.2.7 x |
| 000                 | 2.2.2.7.8 |
|                     |           |

Closed user group

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

# 4.4 B-ISDN Supplementary Services

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

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| Identifier:            | TC <test group=""> <sub group=""> <sub group=""> <sub group=""> <nn></nn></sub></sub></sub></test> |
|------------------------|--|
| <test group=""></test> | <ul> <li>1 digit field representing group reference according to TSS</li> </ul>                    |
|                        |  |
|                        | 1 = Basic Call/Connection  |
|                        | 2 = Interworking B-ISDN with N-ISDN  |
|                        | 3 = B-ISDN Supplementary Service   |
| <subgroup>:</subgroup> | Each 1 digit field representing sub group reference according to TSS                               |
| <nn> = sec</nn>        | juential 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.

| Identifier          | Identifier Ref. to Othe  |  |  |  |
|---------------------|--|--|--|--|
| 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:   | arameter values: Values od parameters used for the test execution                                |  |  |  |
| Comments:           | Any relevant comment and reference   |  |  |  |
| Pre-test-condition: | test-condition: Any information which actions have to take place before this test can be execute |  |  |  |

#### Table 2: Format of a single Test Purpose for NIT B-ISDN End-to-End tests

## 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                                    |                               |  |  |
|---------------------|-----------------------------|--------------------------------------|-------------------------------|--|--|
| 1.1.1.1             | Ref. to ETS 300 443-1 [1    | ] / clauses 5.1 and 5.2              | Other relevant ref.:          |  |  |
| TSS reference:      | B_ISDN/BCA/ CS1/NCO/B       | BSE                                  |                               |  |  |
| Selection criteria: |                             |                                      |                               |  |  |
| Test purpose:       | To verify that a Basic call | can be established succes            | ssfully                       |  |  |
| Configuration:      | Configuration 1             |                                      |                               |  |  |
| Parameter values:   | For SETUP:                  |                                      |                               |  |  |
|                     | B-BC:                       | - BCOBA                              |                               |  |  |
|                     |                             | - Susceptible to clipping            |                               |  |  |
|                     | ATM Traffic Descriptor:     | ffic 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. T  | he called user answers w             | ith CALL PROCEEDING and ALERT |  |  |
|                     | followed by CONNECT m       | essage                               |                               |  |  |

| 1.1.1.2             | Ref. to ETS 300 443-1 [1    | ] / clauses 5.1 and                   | Other relevant ref.:              |
|---------------------|-----------------------------|---------------------------------------|-----------------------------------|
|                     | 5.2                         |                                       |                                   |
| TSS reference:      | B_ISDN/BCA/ CS1/NCO/        | BSE                                   |                                   |
| Selection criteria: |                             |                                       |                                   |
| Test purpose:       | To verify that a Basic call | can be established su                 | ccessfully                        |
| Configuration:      | Configuration 1             |                                       |                                   |
| Parameter values:   | For SETUP:                  |                                       |                                   |
|                     | B-BC:                       | - BCOBA                               |                                   |
|                     |                             | - Susceptible to clip                 | ping                              |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to IXIT                   |                                   |
|                     | -                           | <ul> <li>Forward peak cell</li> </ul> | rate (CLP=0+1)                    |
|                     |                             | - Backward peak ce                    | ell 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 answe                 | rs with ALERT followed by CONNECT |
|                     | message                     |                                       |                                   |

| 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 succe  | ssfully                          |
| Configuration:      | Configuration 1  |                           |                                  |
| Parameter values:   | For SETUP:   |                           |                                  |
|                     | B-BC:  | - BCOBA                   |                                  |
|                     |  | - Susceptible to clippin  | g                                |
|                     | ATM Traffic Descriptor:                                  | - PCR: acc. to IXIT       |                                  |
|                     |  | - Forward peak cell rate  | e (CLP=0+1)                      |
|                     |  | - Backward peak cell ra   | ate (CLP=0+1)                    |
|                     | QoS:   | - Unspecified QoS clas    | s                                |
| Node-to-Node        |  |                           |                                  |
| cross-reference     |  |                           |                                  |
| Comments:           |  |                           |                                  |
| Pre-test-condition: | En bloc sending is used. <sup>-</sup><br>CONNECT message | The called user answers v | with CALL PROCEEDING followed by |

| 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 success                  | sfully                     |
| Configuration:      | Configuration 1             |   |                            |
| Parameter values:   | For SETUP:                  |   |                            |
|                     | B-BC:                       | - BCOBA                                     |                            |
|                     |                             | <ul> <li>Susceptible to clipping</li> </ul> |                            |
|                     | ATM Traffic Descriptor:     | <ul> <li>PCR: acc. to IXIT</li> </ul>       |                            |
|                     |                             | - Forward peak cell rate                    | (CLP=0+1)                  |
|                     |                             | <ul> <li>Backward peak cell rate</li> </ul> | e (CLP=0+1)                |
|                     | QoS:                        | <ul> <li>Unspecified QoS class</li> </ul>   |                            |
| Node-to-Node        |                             |   |                            |
| cross-reference     |                             |   |                            |
| Comments:           |                             |   |                            |
| Pre-test-condition: | En bloc sending is used.    | The called user answers dir                 | ectly with CONNECT message |

| 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/B  | BSE   |  |
| Selection criteria:             |  |   |  |
| Test purpose:                   | To verify that a Basic call<br>traffic descriptor PCR: acc                 | can be established success<br>c. to IXIT (CLP=0+1), QOS:  | sfully using B-BC bearer class: A, ATM class 0                         |
| Configuration:                  | Configuration 1  |   |  |
| Parameter values:               | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>QoS:  | <ul> <li>BCOBA</li> <li>Susceptible to clipping</li> <li>AAL type 1</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate</li> <li>Backward peak cell rate</li> <li>Unspecified QoS class</li> </ul> | (CLP=0+1)<br>e (CLP=0+1)   |
| Node-to-Node<br>cross-reference |  |   |  |
| Comments:                       |  |   |  |
| Pre-test-condition:             | En bloc sending is used. T<br>followed by CONNECT me<br>included in SET UP | Fhe called user answers wit essage. Optional i.e. ATM   | th CALL PROCEEDING and ALERT<br>Adaption layer parameters (AAL type 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/E   | BSE  |  |
| Selection criteria:             |   |  |  |
| Test purpose:                   | To verify that a Basic call<br>traffic descriptor PCR: acc  | can be established success<br>to IXIT (CLP=0+1), QOS:  | sfully using B-BC bearer class: A, ATM class 0   |
| Configuration:                  | Configuration 1   | · · ·  |  |
| Parameter values:               | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>End-to-end transit delay<br>OAM traffic descriptor | <ul> <li>BCOBA</li> <li>Susceptible to clipping</li> <li>AAL type 1</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate</li> <li>Backward peak cell rate</li> </ul> | (CLP=0+1)<br>e (CLP=0+1)   |
|                                 | QoS:  | <ul> <li>Unspecified QoS class</li> </ul>  |  |
| Node-to-Node<br>cross-reference |   |  |  |
| Comments:                       |   |  |  |
| Pre-test-condition:             | En bloc sending is used. T<br>followed by CONNECT me<br>(AAL type 1), End-to-end t<br>SET UP                            | he called user answers with<br>essage. Optional i.e. ATM a<br>ransit delay and OAM traff   | th CALL PROCEEDING and ALERT<br>Adaption layer parameters<br>ic descriptor are included in the |

| 1.1.1.7             | Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2 Othe  | r 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)         - Backward peak cell rate (CLP=0+1)         - Unspecified QoS class         OAM traffic descriptor |                  |
| Node-to-Node        | For CONNECT:<br>AAL Parameters: - AAL type 1<br>Connection identifier<br>End-to-end transit delay<br>OAM traffic descriptor   |                  |
| Comments:           |   |                  |
| Pre-test-condition: | En bloc sending is used. The called user directly answers with CON  | NECT 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 succes                                   | ssfully using B-BC bearer class: C     |  |
| Configuration:      | Configuration 1                                   |   |  |  |
| Parameter values:   | For SETUP:  |   |  |  |
|                     | B-BC:   | - BCOBC   |  |  |
|                     |   | <ul> <li>Not susceptible to clip</li> </ul>                 | pping                                  |  |
|                     | AAL Parameters:                                   | - AAL type 5  |  |  |
|                     |   | <ul> <li>Forward maximum CF</li> </ul>                      | PCS-SDU size: acc. to IXIT             |  |
|                     |   | <ul> <li>Backward maximum (</li> </ul>                      | CPCS-SDU size: acc. to IXIT            |  |
|                     |   | <ul> <li>SSCS-type</li> </ul>                               |  |  |
|                     | ATM Traffic Descriptor:                           | <ul> <li>PCR: acc. to IXIT</li> </ul>                       |  |  |
|                     |   | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>        |  |  |
|                     |   | <ul> <li>Backward peak cell ra</li> </ul>                   | ate (CLP=0+1)                          |  |
|                     |   | - SCR: acc. to IXIT   |  |  |
|                     |   | <ul> <li>Forward sustainable cell rate (CLP=0+1)</li> </ul> |  |  |
|                     |   | <ul> <li>Backward sustainable</li> </ul>                    | e cell rate (CLP=0+1)                  |  |
|                     |   | - MBS: acc. to IXIT   |  |  |
|                     |   | <ul> <li>Forward maximum but</li> </ul>                     | rst size (CLP=0+1)                     |  |
|                     |   | <ul> <li>Backward maximum b</li> </ul>                      | ourst size (CLP=0+1)                   |  |
|                     | QoS:  | <ul> <li>Unspecified QoS clas</li> </ul>                    | S                                      |  |
| Node-to-Node        |   |   |  |  |
| cross-reference     |   |   |  |  |
| Comments:           |   |   |  |  |
| Pre-test-condition: | En bloc sending is used.<br>followed by CONNECT m | The called user answers w<br>essage                         | vith CALL PROCEEDING and ALERT         |  |

| 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 successful                   | ly using B-BC             |
|                     | bearer class: X                                   |   |                           |
| Configuration:      | Configuration 1                                   |   |                           |
| Parameter values:   | For SETUP:  |   |                           |
|                     | B-BC:   | - BCOBX   |                           |
|                     |   | <ul> <li>Susceptible to clipping</li> </ul>     |                           |
|                     | AAL Parameters:                                   | - AAL type 1                                    |                           |
|                     | ATM Traffic Descriptor:                           | - PCR: acc. to IXIT                             |                           |
|                     |   | <ul> <li>Forward peak cell rate (CL</li> </ul>  | _P=0+1)                   |
|                     |   | <ul> <li>Backward peak cell rate (C)</li> </ul> | CLP=0+1)                  |
|                     | QoS:  | <ul> <li>Unspecified QoS class</li> </ul>       |                           |
| Node-to-Node        |   |   |                           |
| cross-reference     |   |   |                           |
| Comments:           |   |   |                           |
| Pre-test-condition: | En bloc sending is used.<br>followed by CONNECT m | The called user answers with C essage           | CALL PROCEEDING and ALERT |

| 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/E          | BSE  |  |
| Selection criteria: |                                |  |  |
| Test purpose:       | To verify that a Basic call of | can be established succes                    | sfully using B-BC bearer class: X      |
| Configuration:      | Configuration 1                |  |  |
| Parameter values:   | For SETUP:                     |  |  |
|                     | B-BC:                          | - BCOBX                                      |  |
|                     |                                | <ul> <li>Not susceptible to clipp</li> </ul> | ping                                   |
|                     | AAL Parameters:                | - AAL type 5                                 |  |
|                     |                                | - Forward maximum CP                         | CS-SDU size: acc. to IXIT              |
|                     |                                | <ul> <li>Backward maximum C</li> </ul>       | PCS-SDU size: acc. to IXIT             |
|                     |                                | - SSCS-type                                  |  |
|                     | ATM Traffic Descriptor:        | - PCR: acc. to IXIT                          |  |
|                     |                                | <ul> <li>Forward peak cell rate</li> </ul>   | (CLP=0+1)                              |
|                     |                                | <ul> <li>Backward peak cell rat</li> </ul>   | e (CLP=0+1)                            |
|                     |                                | <ul> <li>SCR: acc. to IXIT</li> </ul>        |  |
|                     |                                | <ul> <li>Forward sustainable ce</li> </ul>   | ell rate (CLP=0+1)                     |
|                     |                                | <ul> <li>Backward sustainable</li> </ul>     | cell rate (CLP=0+1)                    |
|                     |                                | - MBS: acc. to IXIT                          |  |
|                     |                                | <ul> <li>Forward maximum bur</li> </ul>      | st size (CLP=0+1)                      |
|                     |                                | - Backward maximum b                         | urst size (CLP=0+1)                    |
|                     | QoS:                           | <ul> <li>Unspecified QoS class</li> </ul>    |  |
| Node-to-Node        |                                |  |  |
| cross-reference     |                                |  |  |
| Comments:           |                                |  |  |
| Pre-test-condition: | En bloc sending is used. T     | he called user answers wi                    | th CALL PROCEEDING and ALERT           |
|                     | followed by CONNECT me         | essage                                       |  |

| 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 succes                  | sfully using B-BC bearer class: A when |
|                     | OAM F5 cells should be t    | ransported 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)                              |
|                     |                             | <ul> <li>Backward peak cell rat</li> </ul> | e (CLP=0+1)                            |
|                     | QoS:                        | - Unspecified QoS class                    |  |
|                     | OAM traffic descriptor:     | - Shaping indicator: no r                  | equirement                             |
|                     |                             | - Compliance indicator:                    | end-to-end OAM F5 flow optional        |
|                     |                             | - User-network fault mar                   | agement ind.: no user-originated       |
|                     |                             | - Forward EtE OAM F5 f                     | low 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 wi                 | th CALL PROCEEDING and ALERT           |
|                     | followed by CONNECT m       | essage                                     |  |

| 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 success            | sfully using B-BC bearer class: A when |
|                     | OAM F5 cells should be t                          | ransported 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             | e (CLP=0+1)                            |
|                     | QoS:  | - Unspecified QoS class               |  |
|                     | OAM traffic descriptor:                           | - Shaping indicator: no re            | equirement                             |
|                     |   | - Compliance indicator: e             | end-to-end OAM F5 flow mandatory       |
|                     |   | - User-network fault man              | agement ind.: no user-originated       |
|                     |   | - Forward EtE OAM F5 fl               | ow 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.<br>followed by CONNECT m | The called user answers wit<br>essage | h CALL PROCEEDING and ALERT            |

| 1.1.1.13            | Ref. to ETS 3                           | 00 443-1 [1],             | Other relevant ref.: ETS 300 403-1 [2],       |  |
|---------------------|---|---------------------------|---|--|
|                     | clause 6 / annex                        | E clause E.2.1            | EG 201 018 [5]                                |  |
| TSS reference:      | B_ISDN/BCA/ CS1/NCO/                    | BSE                       |   |  |
| Selection criteria: |   |                           |   |  |
| Test purpose:       | To verify that a call for a N<br>B-ISDN | N-ISDN service (3,1 kHz a | audio) can be established successfully within |  |
| Configuration:      | Configuration 1                         |                           |   |  |
| Parameter values:   | For SETUP:                              |                           |   |  |
|                     | B-BC:                                   | - BCOBA                   |   |  |
|                     |   | - Susceptible to clippin  | g   |  |
|                     | 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   | S   |  |
|                     | B-SCI                                   |                           | -   |  |
| Node-to-Node        |   |                           |   |  |
| cross-reference     |   |                           |   |  |
| Comments:           | 3,1 kHz audio call within B-ISDN        |                           |   |  |
| Pre-test-condition: | En bloc sending is used a               | t the B-ISDN UNI.         |   |  |
|                     | The called party answers                | with ALERT followed by    | CONNECT message.                              |  |

| 1.1.1.14                        | Ref. to ETS 300 4<br>clause 6 / annex E c   | 143-1 [1],<br>clause E.2.2   | Other relevant ref.: ETS 300 403-1 [2],<br>EG 201 018 [5] |
|---------------------------------|---|--|---|
| TSS reference:                  |   |  |   |
| Selection criteria:             |   |  |   |
| Test purpose:                   | To verify that a call for a successfully within B-ISD                                       | N-ISDN service (u<br>N   | nrestricted digital information) can be established       |
| Configuration:                  | Configuration 1   |  |   |
| Parameter values:               | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>N-BC:<br>QoS:<br>B-SCI | - BCOBA<br>- Susceptible to<br>- AAL type 1<br>- Equal to 64 kl<br>- UDI<br>- Circuit mode<br>- 64 kbit/s<br>- Unspecified C | o clipping<br>bit/s<br>boS class                          |
| Node-to-Node<br>cross-reference |   |  |   |
| Comments:                       | Unrestricted digital information call within B-ISDN   |  |   |
| Pre-test-condition:             | En bloc sending is used a The called party answers  | t the B-ISDN UNI<br>with ALERT follow  | ved by CONNECT message.                                   |

| 1.1.1.15            | Ref. to ETS 300 4                          | 43-1 [1],                          | Other relevant ref.: ETS 300 403-1 [2],            |  |
|---------------------|--|------------------------------------|--|--|
|                     | clause 6 / annex E c                       | lause E.2.3                        | EG 201 018 [5]                                     |  |
| TSS reference:      | B_ISDN/BCA/CS1/NCO/E                       | BSE                                |  |  |
| Selection criteria: |  |                                    |  |  |
| Test purpose:       | To verify that a call for a N              | I-ISDN service (te                 | lephony) can be established successfully within B- |  |
|                     | ISDN                                       |                                    |  |  |
| Configuration:      | Configuration 1                            |                                    |  |  |
| Parameter values:   | For SETUP:                                 |                                    |  |  |
|                     | B-BC:                                      | - BCOBA                            |  |  |
|                     |  | <ul> <li>Susceptible to</li> </ul> | clipping   |  |
|                     | AAL Parameters:                            | - AAL type 1                       |  |  |
|                     | ATM Traffic Descriptor:                    | - Equal to 64 kl                   | bit/s  |  |
|                     | N-BC:                                      | - Speech                           |  |  |
|                     |  | - Circuit mode                     |  |  |
|                     |  | - 64 kbit/s                        |  |  |
|                     |  | - A-law                            |  |  |
|                     | N-HLC:                                     | - Telephony                        |  |  |
|                     | QoS:                                       | - Unspecified C                    | oS 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 follow                  | ved by CONNECT message.                            |  |

| 1.1.1.16            | Ref. to ETS 300 4                            | 43-1 [1],  | Other relevant ref.: ETS 300 403-1 [2],     |  |
|---------------------|--|--|---|--|
|                     | clause 6 / annex E c                         | lause E.2.4                                      | EG 201 018 [5]                              |  |
| TSS reference:      | B_ISDN/BCA/CS1/NCO/E                         | BSE  |   |  |
| Selection criteria: |  |  |   |  |
| Test purpose:       | To verify that a call for a N                | N-ISDN service (v                                | deotelephony/first call) can be established |  |
|                     | successfully within B-ISDI                   | N  |   |  |
| Configuration:      | Configuration 1                              |  |   |  |
| Parameter values:   | For SETUP:                                   |  |   |  |
|                     | B-BC:  | - BCOBA  |   |  |
|                     |  | <ul> <li>Susceptible to</li> </ul>               | o clipping                                  |  |
|                     | AAL Parameters:                              | - AAL type 1                                     |   |  |
|                     | ATM Traffic Descrip .:                       | - Equal to 64 k                                  | pit/s                                       |  |
|                     | N-BC:  | - UDI T/A  |   |  |
|                     |  | - Circuit mode                                   |   |  |
|                     |  | - 64 kbit/s                                      |   |  |
|                     |  | - ITU-T Recommendation H.221 [27] and H.242 [28] |   |  |
|                     | N-HLC:                                       | - Videotelepho                                   | ly ly                                       |  |
|                     | QoS:   | - Unspecified C                                  | loS 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 follow                                | ved by CONNECT message.                     |  |

| 1.1.1.17            | Ref. to ETS 300 4<br>clause 6 / ann                      | 43-1 [1],<br>ex E             | Other relevant ref.: ETS 300 403-1 [2],<br>EG 201 018 [5] |  |
|---------------------|--|-------------------------------|---|--|
| TSS reference:      | B_ISDN/BCA/CS1/NCO/BSE                                   |                               |   |  |
| Selection criteria: |  |                               |   |  |
| Test purpose:       | To verify that a call for a N successfully within B-ISDI | N-ISDN service (<br>N         | videotelephony/second call) can be established            |  |
| 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<br>- 64 kbit/s |   |  |
|                     |  |                               |   |  |
|                     | N-HLC:   | - Videotelenh                 | งกับ  |  |
|                     | 0.5  | - Unspecified                 |   |  |
|                     | B-SCI  | onspecifica                   |   |  |
| Node-to-Node        |  |                               |   |  |
| cross-reference     |  |                               |   |  |
| Comments:           | Videotelephony call second call from B-ISDN to N-ISDN    |                               |   |  |
| Pre-test-condition: | En bloc sending is used a                                | t the B-ISDN UN               | II.   |  |
|                     | The called party answers                                 | with ALERT follo              | wed by CONNECT message.                                   |  |

| 1.1.1.1.18          | Ref. to ETS 300 4<br>clause 6 / ann | 43-1 [1],<br>ex E                | Other relevant ref.: ETS 300 403-1 [2],<br>EG 201 018 [5] |  |
|---------------------|-------------------------------------|----------------------------------|---|--|
| TSS reference:      | B_ISDN/BCA/CS1/NCO/BSE              |                                  |   |  |
| Selection criteria: |                                     |                                  |   |  |
| Test purpose:       | To verify that a call for a N       | I-ISDN service (                 | telefax G4) can be established successfully within B-     |  |
|                     | ISDN.                               |                                  |   |  |
| Configuration:      | Configuration 1                     |                                  |   |  |
| Parameter values:   | For SETUP:                          |                                  |   |  |
|                     | B-BC:                               | - BCOBA                          |   |  |
|                     |                                     | <ul> <li>Susceptible</li> </ul>  | to clipping   |  |
|                     | AAL Parameters:                     | <ul> <li>AAL type 1</li> </ul>   |   |  |
|                     | ATM Traffic Descriptor:             | - Equal to 64                    | kbit/s  |  |
|                     | N-BC:                               | - UDI                            |   |  |
|                     |                                     | <ul> <li>Circuit mode</li> </ul> | )   |  |
|                     |                                     | - 64 kbit/s                      |   |  |
|                     | N-HLC:                              | - Group 4 clas                   | ss 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 a           | t the B-ISDN UN                  | II.   |  |
|                     | The called party answers            | with ALERT follo                 | wed by CONNECT message.                                   |  |

| 1.1.1.19            | Ref. to ETS 300 4<br>clause 6 / ann   | 43-1 [1],<br>ex E                                | Other relevant ref.: ETS 300 403-1 [2],<br>EG 201 018 [5] |  |
|---------------------|---|--|---|--|
| TSS reference:      | B ISDN/BCA/CS1/NCO/E  | 3SE  | [,]   |  |
| 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 I                                  | kbit/s  |  |
|                     | N-BC:   | - UDI T/A  |   |  |
|                     | _   | - Circuit mode                                   |   |  |
|                     |   | - 64 kbit/s                                      |   |  |
|                     |   | - ITU-T Recommendation H.221 [27] and H.242 [28] |   |  |
|                     | N-HI C  | - Telephony                                      |   |  |
|                     | QoS:  | - Unspecified                                    | QoS class   |  |
|                     | B-SCI:  | 0  |   |  |
| Node-to-Node        |   |  |   |  |
| cross-reference     |   |  |   |  |
| Comments:           | Telephony 7 kHz call within B-ISDN  |  |   |  |
| Pre-test-condition: | En bloc sending is used a   | t the B-ISDN UN                                  | I.  |  |
|                     | The called party answers with ALERT followed by CONNECT message   |  |   |  |

| 1.1.1.20            | Ref. to ETS 300 44                     | 43-1 [1],<br>ox E | Other relevant ref.: ETS 300 403-1 [2],              |  |
|---------------------|--|-------------------|--|--|
| TCC references      |  |                   | EG 201 010 [5]                                       |  |
| 155 reference:      | B_ISDIN/BCA/CST/INCO/E                 | 55E               |  |  |
| Selection criteria: |  |                   |  |  |
| Test purpose:       | To verify that a call for a N          | I-ISDN service (1 | 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 audi    | 0  |  |
|                     |  | - Circuit mode    |  |  |
|                     |  | - 64kbit/s        |  |  |
|                     |  |                   |  |  |
|                     | N-HLC:                                 | - Facsimile Gr    | 70 Jun 2/3   |  |
|                     |  |                   | OoS class  |  |
|                     |  | - Unspecifieu     | QUS CIASS  |  |
| Nodo to Nodo        | B-301                                  |                   |  |  |
| Node-to-Node        |  |                   |  |  |
| cross-reference     |  |                   |  |  |
| Comments:           | Facsimile Group 2/3 call within B-ISDN |                   |  |  |
| Pre-test-condition: | En bloc sending is used a              | t the B-ISDN UN   | II.  |  |
|                     | The called party answers               | with ALERT follo  | owed by CONNECT message.                             |  |

| 11121               | Bof to ETS 200  | 1 4 4 3 - 1 [1]                    | Other relevant ref :                       |  |
|---------------------|---|------------------------------------|--|--|
| 1.1.1.2.1           |   | ord 5.2                            | Other relevant ren.                        |  |
|                     | clauses 5.1 and 5.2   |                                    |  |  |
| TSS reference:      | B_ISDN/BCA/ CS1/NCO/  | /HLI_LLI                           |  |  |
| Selection criteria: |   |                                    |  |  |
| Test purpose:       | To verify that a call can be  | e established success              | fully 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 ce                 | ell 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 m   | essage. B-HLI type: IS             | SO/IEC (80 H)                              |  |

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

| 1.1.1.2.2           | Ref. to ETS 300   | ) 443-1 [1],                          | Other relevant ref.:                       |  |
|---------------------|---|---------------------------------------|--|--|
| 700                 |   |                                       |  |  |
| TSS reference:      | B_ISDN/BCA/ CS1/NCO/  | /HLI_LLI                              |  |  |
| Selection criteria: |   |                                       |  |  |
| Test purpose:       | To verify that a call can be  | e established success                 | fully if B-HLI i.e. is included in SET UP. |  |
| Configuration:      | Configuration 1   |                                       |  |  |
| Parameter values:   | For SETUP:  |                                       |  |  |
|                     | B-BC:   | - BCOBA                               |  |  |
|                     |   | - Susceptible to clip                 | pping                                      |  |
|                     | AAL Parameters  | - AAL type 1                          | 1 5  |  |
|                     | ATM Traffic Descriptor:   | - PCP: acc to IXIT                    |  |  |
|                     | ATM Traille Descriptor.   | FOR. acc. to TATI                     |  |  |
|                     |   | - Forward peak cell rate (CLP=0+1)    |  |  |
|                     |   | - Backward peak cell rate (CLP=0+1)   |  |  |
|                     | B-HLI:  | - User-specific                       |  |  |
|                     | QoS:  | <ul> <li>Unspecified QoS (</li> </ul> | 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 m   | essage. B-HLI type: U                 | lser-specific (81 H)                       |  |

| 11100               |                              |                                     | Other relevant ref.                          |  |
|---------------------|------------------------------|-------------------------------------|--|--|
| 1.1.1.2.3           | Ref. to ETS 300              | J 443-1 [1],                        | Other relevant ref.:                         |  |
|                     | clauses 5.1                  | and 5.2                             |  |  |
| TSS reference:      | B_ISDN/BCA/ CS1/NCO/         | /HLI_LLI                            |  |  |
| Selection criteria: |                              |                                     |  |  |
| Test purpose:       | To verify that a call can be | e established success               | fully if B-HLI i.e. is included in SET UP.   |  |
| Configuration:      | Configuration 1              |                                     |  |  |
| Parameter values:   | For SETUP:                   |                                     |  |  |
|                     | B-BC:                        | - BCOBA                             |  |  |
|                     |                              | - Susceptible to clip               | pping  |  |
|                     | 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 ap                | oplication identifier                        |  |
|                     | QoS:                         | - Unspecified QoS                   | class  |  |
| Node-to-Node        |                              |                                     |  |  |
| cross-reference     |                              |                                     |  |  |
| Comments:           |                              |                                     |  |  |
| Pre-test-condition: | En bloc sending is used.     | The called user answe               | ers with CALL PROCEEDING and ALERT           |  |
|                     | followed by CONNECT m        | essage. B-HLI type: V               | endor-specific application identifier (83 H) |  |

| 1.1.1.2.5           | Ref. to ETS 300   | ) 443-1 [1],<br>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  | e established success                 | fully if B-HLI/B-LLI i.e. is included in SET UP. |
| Configuration:      | Configuration 1   |                                       |  |
| Parameter values:   | For SETUP:  |                                       |  |
|                     | B-BC:   | - BCOBA                               |  |
|                     | _   | - Susceptible to clin                 | pping  |
|                     | AAL Parameters  |                                       |  |
|                     | ATM Troffic Descriptor  |                                       |  |
|                     | ATM Traffic Descriptor.   | - PCR. acc. IO IAII                   |  |
|                     |   | <ul> <li>Forward peak cell</li> </ul> | rate (CLP=0+1)                                   |
|                     |   | <ul> <li>Backward peak ce</li> </ul>  | ell rate (CLP=0+1)                               |
|                     | B-HLI:  | <ul> <li>User-specific</li> </ul>     |  |
|                     | B-LLI:  | - User inf. layer 2: (                | Q.922 [29], - User inf.layer 3: X.25 [30] packet |
|                     | laver   | -                                     |  |
|                     | 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 m   | essage, B-HLI type: L                 | lser-specific (81 H): B-LLI: User inf. laver 2:  |
|                     | Q.922 [29], User inf.layer  | 3: X.25 [30] packet lav               | /er  |

| 11121               | Pof to ETS 200               | 0 442-1 [1]   | Other relevant ref   |  |
|---------------------|------------------------------|---|--|--|
| 1.1.1.3.1           | clauses 5 1 and              | 5 2 / annex C   | Other relevant ret   |  |
| TOO mafamana a      |                              |   |  |  |
| 155 reference:      | B_ISDIN/BCA/ CS1/NCO/        | /LLI  |  |  |
| Selection criteria: |                              |   |  |  |
| Test purpose:       | To verify that a call can be | e established success   | fully if B-HLI/B-LLI i.e. is included in SET UP  |  |
|                     | and the B-LLI i.e. in the C  | ONNECT.   |  |  |
| Configuration:      | Configuration 1              |   |  |  |
| Parameter values:   | For SETUP:                   |   |  |  |
|                     | B-BC:                        | - BCOBA   |  |  |
|                     |                              | - Susceptible to clin   | pping  |  |
|                     | AAL Parameters:              | - AAL type 1  |  |  |
|                     | ATM Traffic Descriptor:      | - PCR: acc. to IXIT   |  |  |
|                     |                              | - Forward peak cell   | l rate (CLP=0+1)   |  |
|                     |                              | - Backward peak ce  | $\frac{1}{1} \frac{1}{1} \frac{1}$ |  |
|                     |                              | - Daokwaru peak u   |  |  |
|                     |                              | - User-specific   | 002 [20]   |  |
|                     | D-LLI.                       | - User III. layer 2. (  | 9.922 [29]   |  |
|                     |                              | - User Init. layer 3: X.25 [30] packet layer, packet size:1024, |  |  |
|                     | window                       | size: 63QoS: - Unspecified QoS class                            |  |  |
|                     | For CONNECT:                 |   |  |  |
|                     | B -LLI:                      | - User inf. layer 2: 0  | Q.922 [29]   |  |
|                     |                              | - User inf. layer 3: 2  | 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 answe   | ers with CALL PROCEEDING and ALERT   |  |
|                     | TOROWED BY CONNECT M         | essage. SET UP: B-F   | ILI Type: User-specific (81 H); B-LLI: User Inf.   |  |
|                     | layer 2: Q.922 [29], User    | Int.layer 3: X.25 [30] p  | acket layer, CONNNECT: B-LLI: User inf. layer  |  |
|                     | 2: Q.922 [29], User inf.lay  | er 3: X.25  30  packet  | layer packet size:1024, window size: 7   |  |

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

| 1.1.1.3.2           | Ref. to ETS 300  | 443-1 [1],                               | Other relevant ref.:                             |
|---------------------|--|--|--|
| TOO matanama a      |  | .2, annex C                              |  |
| 155 reference:      | B_ISDN/BCA/ CS1/NCO//I   | _LI                                      |  |
| Selection criteria: | The state of the s |  |  |
| Test purpose:       | and 3 B-LLI i.e. are include   | established successied in SET UP and the | B-LLI i.e. in the CONNECT.                       |
| Configuration:      | Configuration 1  |  |  |
| Parameter values:   | For SETUP:   |  |  |
|                     | B-BC:  | - BCOBA                                  |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul>  | pping  |
|                     | AAL Parameters:  | - AAL type 1                             |  |
|                     | ATM Traffic Descriptor:  | <ul> <li>PCR: acc. to IXIT</li> </ul>    |  |
|                     |  | <ul> <li>Forward peak cell</li> </ul>    | rate (CLP=0+1)                                   |
|                     |  | <ul> <li>Backward peak ce</li> </ul>     | ell rate (CLP=0+1)                               |
|                     | B-HLI:   | <ul> <li>User-specific</li> </ul>        |  |
|                     | Broadband repeat indicato  | r  |  |
|                     | B -LLI:  | - User inf. layer 2: C                   | Q.922 [29]                                       |
|                     |  | - User inf. layer 3: X                   | (.25 [30] packet layer, packet size: 512, window |
|                     |  | size: 3                                  |  |
|                     | B -LLI:  | - User inf. layer 2: C                   | ົຊ.922 [29]                                      |
|                     |  | - User inf. layer 3: X                   | (.25 [30] packet layer, packet size: 1 024,      |
|                     | window   | size: 7                                  |  |
|                     | B -LLI:  | - User inf. layer 2: C                   | Q.922 [29]                                       |
|                     |  | - User inf. layer 3: X                   | (.25 [30] packet layer, packet size: 2 048,      |
|                     | window   | size: 63                                 |  |
|                     | QoS:   | <ul> <li>Unspecified QoS (</li> </ul>    | class  |
|                     | For CONNECT:   |  |  |
|                     | B -LLI:  | - User inf. layer 2: C                   | 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. T   | he called user answe                     | ers with CALL PROCEEDING and ALERT               |
|                     | followed by CONNECT me   | essage. SET UP: B-H                      | LI 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. lay                  | er 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    |
|                     | int.layer 3: X.25 [30] packe   | t layer, packet size: 2                  | 2 048, window size:63, CONNNECT: B-LLI:          |
|                     | User int. layer 2: Q.922 [29   | 9], User int.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],<br>clause 5.1.4                                |   | Other relevant ref.:                                   |  |
|---------------------|---|---|--|--|
| TSS reference:      | B_ISDN/BCA/ CS1/UCS/  | B_ISDN/BCA/ CS1/UCS/BSE   |  |  |
| Selection criteria: |   |   |  |  |
| Test purpose:       | To verify that a Basic call number is dialled.                            | will be released succe  | essfully using cause # 1 when an unallocated           |  |
| Configuration:      | Configuration 1   |   |  |  |
| Parameter values:   | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>QoS: | - BCOBA<br>- Susceptible to clip<br>- AAL type 1<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak ce<br>- Unspecified QoS | pping<br>rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>class |  |
| Node-to-Node        |   |   |  |  |
| cross-reference     |   |   |  |  |
| Comments:           |   |   |  |  |
| Pre-test-condition: | En bloc sending is used.  | Called number is an ur  | nallocated subscriber number                           |  |

| 1.1.2.1.2           | Ref. to ETS 300 443-1 [1],  |                                    | Other relevant ref.:                            |  |
|---------------------|-----------------------------|------------------------------------|---|--|
|                     | clause 5                    | .1.4                               |   |  |
| TSS reference:      | B_ISDN/BCA/ CS1/UCS/BSE     |                                    |   |  |
| Selection criteria: |                             |                                    |   |  |
| Test purpose:       | To verify that a Basic call | will be released succe             | essfully using cause # 3 when there is no route |  |
|                     | to destination.             |                                    |   |  |
| Configuration:      | Configuration 1             |                                    |   |  |
| Parameter values:   | For SETUP:                  |                                    |   |  |
|                     | B-BC:                       | - BCOBA                            |   |  |
|                     |                             | - Susceptible to clip              | ping  |  |
|                     | AAL Parameters:             | - AAL type 1                       |   |  |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to IXIT                |   |  |
|                     |                             | - Forward peak cell rate (CLP=0+1) |   |  |
|                     |                             | - Backward peak ce                 | ell 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 h              | as invalid country or national destination code |  |

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

| 1.1.2.1.4                       | Ref. to ETS 30  | 0 443-1 [1].  | Other relevant ref.:                       |  |
|---------------------------------|---|---|--|--|
|                                 | clause §  | 5.1.4   |  |  |
| TSS reference:                  | B_ISDN/BCA/ CS1/UCS/  | B_ISDN/BCA/ CS1/UCS/BSE   |  |  |
| Selection criteria:             |   |   |  |  |
| Test purpose:                   | To verify that a Basic call number was incomplete.                        | will be released succe  | essfully using cause # 28 when the dialled |  |
| Configuration:                  | Configuration 1   | Configuration 1   |  |  |
| Parameter values:               | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>QoS: | <ul> <li>BCOBA</li> <li>Susceptible to clipping</li> <li>AAL type 1</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>Unspecified QoS class</li> </ul> |  |  |
| Node-to-Node<br>cross-reference |   |   |  |  |
| Comments:                       |   |   |  |  |
| Pre-test-condition:             | En bloc sending is used.  |   |  |  |

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| 1.1.2.1.5                       | Ref. to ETS 300 443-1 [1],<br>clause 5.2.1  |   | Other relevant ref.:                                   |  |
|---------------------------------|---|---|--|--|
| TSS reference:                  | B_ISDN/BCA/ CS1/UCS/  | 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:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>QoS:   | - BCOBA<br>- Susceptible to clip<br>- AAL type 1<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak ce<br>- Unspecified QoS | pping<br>rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>class |  |
| Node-to-Node<br>cross-reference |   |   |  |  |
| Comments:                       |   |   |  |  |
| Pre-test-condition:             | En bloc sending is used.  | The required bandwidt   | h is bigger than the one supported by the              |  |

| 1.1.2.1.6           | Ref. to ETS 300  | ) 443-1 [1],                               | Other relevant ref.:                            |  |
|---------------------|--|--|---|--|
|                     | clauses 5.2.2.2  | and 5.2.5.1                                |   |  |
| TSS reference:      | B_ISDN/BCA/ CS1/UCS/   | BSE  |   |  |
| Selection criteria: |  |  |   |  |
| Test purpose:       | To verify that a Basic call  | will be released succe                     | essfully and that the cause # 88 is transported |  |
|                     | transparently  |  |   |  |
| Configuration:      | Configuration 1  |  |   |  |
| Parameter values:   | For SETUP:   |  |   |  |
|                     | B-BC:  | - BCOBA                                    |   |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul>    | ping  |  |
|                     | AAL Parameters:  | - AAL type 1                               |   |  |
|                     | ATM Traffic Descriptor:  | VI Traffic Descriptor: - PCR: acc. to IXIT |   |  |
|                     |  | - Forward peak cell rate (CLP=0+1)         |   |  |
|                     |  | - Backward peak ce                         | ell 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 appr  | opriate 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/B       | BSE                                   |  |
| Selection criteria: |                             |                                       |  |
| Test purpose:       | To verify that a Basic call | will be released succe                | ssfully and that the cause # 49 is transported |
|                     | transparently               |                                       |  |
| Configuration:      | Configuration 1             |                                       |  |
| Parameter values:   | For SETUP:                  |                                       |  |
|                     | B-BC:                       | - BCOBA                               |  |
|                     |                             | - Susceptible to clip                 | ping   |
|                     | AAL Parameters:             | - AAL type 1                          |  |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to IXIT                   |  |
|                     |                             | <ul> <li>Forward peak cell</li> </ul> | rate (CLP=0+1)                                 |
|                     |                             | - Backward peak ce                    | ell 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 COM       | PLETE with the appro                  | priate 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/8       | BSE                                   |   |
| Selection criteria: |                             |                                       |   |
| Test purpose:       | To verify that a Basic call | will be released succe                | essfully and that the cause # 47 is transported |
|                     | transparently               |                                       |   |
| Configuration:      | Configuration 1             |                                       |   |
| Parameter values:   | For SETUP:                  |                                       |   |
|                     | B-BC:                       | - BCOBA                               |   |
|                     |                             | - Susceptible to clip                 | ping  |
|                     | AAL Parameters:             | - AAL type 1                          |   |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to IXIT                   |   |
|                     |                             | <ul> <li>Forward peak cell</li> </ul> | rate (CLP=0+1)                                  |
|                     |                             | <ul> <li>Backward peak ce</li> </ul>  | ell 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 us                 | ser is not able to provide the requested peak   |
|                     | cell rate and returns a RE  | LEASE COMPLETE v                      | vith the appropriate cause value                |

| TSS reference:      | B_ISDN/BCA/ CS1/UCS/B  | BSE  |  |
|---------------------|--|--|--|
| Selection criteria: |  |  |  |
| Test purpose:       | To verify that a Basic call v  | 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  |  |
|                     |  | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>                 |  |
|                     |  | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>                |  |
|                     | 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 succe                  | ssfully and that the cause # 21 is transported |
|                     | transparently               |   |  |
| Configuration:      | Configuration 1             |   |  |
| Parameter values:   | For SETUP:                  |   |  |
|                     | B-BC:                       | - BCOBA                                 |  |
|                     |                             | <ul> <li>Susceptible to clip</li> </ul> | ping   |
|                     | AAL Parameters:             | - AAL type 1                            |  |
|                     | ATM Traffic Descriptor:     | <ul> <li>PCR: acc. to IXIT</li> </ul>   |  |
|                     |                             | <ul> <li>Forward peak cell</li> </ul>   | rate (CLP=0+1)                                 |
|                     |                             | <ul> <li>Backward peak ce</li> </ul>    | II rate (CLP=0+1)                              |
|                     | QoS:                        | <ul> <li>Unspecified QoS of</li> </ul>  | lass   |
| Node-to-Node        |                             |   |  |
| cross-reference     |                             |   |  |
| Comments:           |                             |   |  |
| Pre-test-condition: | En bloc sending is used.    | The called user refuses                 | s/rejects the call and returns a RELEASE       |
|                     | COMPLETE with the appr      | opriate 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 succe  | ssfully using cause # 18 if there is no response |
|                     | from the called user        |                         |  |
| Configuration:      | Configuration 1             |                         |  |
| Parameter values:   | For SETUP:                  |                         |  |
|                     | B-BC:                       | - BCOBA,                |  |
|                     |                             | - Susceptible to clip   | ping   |
|                     | AAL Parameters:             | - AAL type 1            | -  |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to IXIT     |  |
|                     |                             | - Forward peak cell     | rate (CLP=0+1)                                   |
|                     |                             | - Backward peak ce      | Il rate (CLP=0+1)                                |
|                     | QoS:                        | - Unspecified QoS of    | lass   |
| Node-to-Node        |                             |                         |  |
| cross-reference     |                             |                         |  |
| Comments:           |                             |                         |  |
| Pre-test-condition: | En bloc sending is used.    | The called user shall n | ot respond                                       |

1.1.2.1.10

| 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/E       | BSE   |   |  |  |
| Selection criteria: |                             |   |   |  |  |
| Test purpose:       | To verify that a Basic call | will be released succe  | ssfully using cause # 19 when the timer T 301 |  |  |
|                     | expires                     |   |   |  |  |
| Configuration:      | Configuration 1             |   |   |  |  |
| Parameter values:   | For SETUP:                  |   |   |  |  |
|                     | B-BC:                       | - BCOBA   |   |  |  |
|                     |                             | <ul> <li>Susceptible to clip</li> </ul>   | ping  |  |  |
|                     | AAL Parameters:             | - AAL type 1  |   |  |  |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to IXIT   |   |  |  |
|                     | -                           | <ul> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> </ul> |   |  |  |
|                     |                             |   |   |  |  |
|                     | 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/E        | BSE                                     |   |
| Selection criteria: |                              |   |   |
| Test purpose:       | To verify that a calling use | er can release the call                 | successfully prior to the receipt of answer |
| Configuration:      | Configuration 1              |   |   |
| Parameter values:   | For SETUP:                   |   |   |
|                     | B-BC:                        | - BCOBA                                 |   |
|                     |                              | <ul> <li>Susceptible to clip</li> </ul> | ping  |
|                     | AAL Parameters:              | - AAL type 1                            |   |
|                     | ATM Traffic Descriptor:      | - PCR: acc. to IXIT                     |   |
|                     |                              | <ul> <li>Forward peak cell</li> </ul>   | rate (CLP=0+1)                              |
|                     |                              | - Backward peak ce                      | II rate (CLP=0+1)                           |
|                     | QoS:                         | - Unspecified QoS of                    | class                                       |
| Node-to-Node        |                              |   |   |
| cross-reference     |                              |   |   |
| Comments:           |                              |   |   |
| Pre-test-condition: | En bloc sending is used. (   | Calling user clears bef                 | ore 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/B   | BSE   |  |
| Selection criteria:             |   |   |  |
| Test purpose:                   | To verify that a calling use  | er can release the call   | successfully after answer                            |
| Configuration:                  | Configuration 1   |   |  |
| Parameter values:               | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>QoS: | - BCOBA<br>- Susceptible to clip<br>- AAL type 1<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak ce<br>- Unspecified QoS o | ping<br>rate (CLP=0+1)<br>Il rate (CLP=0+1)<br>class |
| Node-to-Node<br>cross-reference |   |   |  |
| Comments:                       |   |   |  |
| Pre-test-condition:             | En bloc sending is used.  | Calling user clears afte  | er 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/E   | BSE   |   |
| Selection criteria:             |   |   |   |
| Test purpose:                   | To verify that a called use   | r can release the call  | successfully after answer                                     |
| Configuration:                  | Configuration 1   |   |   |
| Parameter values:               | For SETUP:<br>B-BC:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>QoS: | - BCOBA<br>- Susceptible to clip<br>- AAL type 1<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak ce<br>- Unspecified QoS o | ping<br>rate (CLP=0+1)<br>Il rate (CLP=0+1)<br>class          |
| Node-to-Node<br>cross-reference |   |   |   |
| Comments:                       |   |   |   |
| Pre-test-condition:             | En bloc sending is used. S<br>IXIT (CLP=0+1), QOS: cla                    | SET UP: B-BC bearer<br>ass 0. Called user clea  | class: A, ATM traffic descriptor PCR: acc. to rs 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],<br>ETS 300 443-1 [1] |  |
|---------------------|-----------------------------------|---------------------------|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCO/BSE         | B_ISDN/BCA/ CS2.1/NCO/BSE |  |  |
| Selection criteria: |                                   |                           |  |  |
| Test purpose:       | To verify that a Basic call suppo | rting Cap                 | ability Set 2.1 parameters can be established                |  |
|                     | successfully using bearer class A |                           |  |  |
| Configuration:      | Configuration 1                   |                           |  |  |
| Parameter values:   | For SETUP:                        |                           |  |  |
|                     | B-BC: - BC                        | COBA,                     |  |  |
|                     | - B <sup>-</sup>                  | - BTC: 000 0111           |  |  |
|                     | - Si                              | sceptible                 | to clipping,   |  |
|                     | - Us                              | ser plane                 | connection configuration: point-to-point: 00                 |  |
|                     | ATM Traffic Descriptor: - PO      | - PCR: acc. to IXIT       |  |  |
|                     | - Fo                              | orward pe                 | ak cell rate (CLP=0+1)                                       |  |
|                     | - Ba                              | ackward p                 | beak cell rate (CLP=0+1)                                     |  |
|                     | QoS: - Ur                         | nspecified                | I 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  | 8-1 [21]  | Other relevant ref.: EN 301 068-1 [21],<br>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:<br>ATM Traffic Descriptor:<br>QoS:  | <ul> <li>BCOBA,</li> <li>Susceptible</li> <li>User plane</li> <li>PCR: acc.</li> <li>Forward pe</li> <li>Backward pe</li> <li>Forward pe</li> <li>Backward pe</li> <li>Backward pe</li> <li>Backward pe</li> <li>Backward pe</li> </ul> | e to clipping,<br>connection configuration: point-to-point: 00<br>to IXIT<br>tak cell rate (CLP=0)<br>peak cell rate (CLP=0)<br>tak cell rate (CLP=0+1)<br>peak cell rate (CLP=0+1)<br>d 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],<br>ETS 300 443-1 [1]  |  |
|---------------------|--|---|---|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/NC                   | O/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:<br>B-BC:<br>AAL Parameters: | - BCOBC,<br>- BTC: 000 1001<br>- Not susceptible to<br>- User plane conne<br>- AAL type 5   | clipping,<br>ction configuration: point-to-point: 00  |  |
|                     |  | <ul> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> <li>Backward maximum CPCS-SDU size: acc. to IXIT</li> <li>SSCS-type</li> </ul>  |   |  |
|                     | ATM Traffic Descriptor:                | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainat</li> <li>Backward sustainat</li> <li>MBS: acc. to IXIT</li> <li>Forward maximun</li> <li>Backward maximun</li> <li>Backward maximun</li> <li>Unspecified QoS</li> </ul> | rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>ole cell rate (CLP=0)<br>able cell rate (CLP=0)<br>n burst size (CLP=0)<br>um burst size (CLP=0)<br>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                                    | 3-1 [21]   | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1]  |
|---------------------|---|--|---|
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCO/BSE                             |  |   |
| Selection criteria: |   |  |   |
| Test purpose:       | To verify that a Basic call successfully using bearer | supporting Cap<br>class C  | bability Set 2.1 parameters can be established  |
| Configuration:      | Configuration 1                                       |  |   |
| Parameter values:   | For SETUP:<br>B-BC:<br>AAL Parameters:                | - BCOBC,<br>- BTC: 000 1<br>- Not suscep<br>- User plane<br>- AAL type 5<br>- Forward m  | 001<br>tible to clipping,<br>connection configuration: point-to-point: 00<br>aximum CPCS-SDU size: acc. to IXIT |
|                     | ATM Traffic Descriptor:<br>QoS:                       | <ul> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> <li>Backward maximum CPCS-SDU size: acc. to IXIT</li> <li>SSCS-type</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainable cell rate (CLP=0+1)</li> <li>Backward maximum burst size (CLP=0+1)</li> <li>Backward maximum burst size (CLP=0+1)</li> <li>Backward maximum burst size (CLP=0+1)</li> <li>Unspecified QoS class</li> </ul> |   |
| Node-to-Node        |   | •  |   |
| Cross-reference     |   |  |   |
| Dro toot condition  | En blog conding is used                               |  |   |
| Pre-test-condition: | En bloc sending is used                               |  |   |

| 1.2.1.1.5           | Ref. to EN 301 068              | 8-1 [21]  | Other relevant ref.: EN 301 068-1 [21],   |
|---------------------|---------------------------------|---|---|
|                     |                                 |   | ETS 300 443-1 [1]   |
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCC           | D/BSE   |   |
| Selection criteria: |                                 |   |   |
| Test purpose:       | To verify that a Basic call     | supporting Cap  | ability Set 2.1 parameters can be established   |
|                     | successfully using bearer       | class C   |   |
| Configuration:      | Configuration 1                 |   |   |
| Parameter values:   | For SETUP:                      |   |   |
|                     | B-BC:                           | - BCOBC,  |   |
|                     | AAL Parameters:                 | <ul> <li>Not suscep</li> <li>User plane</li> <li>AAL type 5</li> <li>Forward m</li> <li>Backward r</li> <li>SSCS-type</li> </ul>                          | tible to clipping,<br>connection configuration: point-to-point: 00<br>aximum CPCS-SDU size: acc. to IXIT<br>naximum CPCS-SDU size: acc. to IXIT |
|                     | ATM Traffic Descriptor:<br>QoS: | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>Unspecified QoS class</li> </ul> |   |
| Node-to-Node        |                                 | •   |   |
| cross-reference     |                                 |   |   |
| Comments:           |                                 |   |   |
| Pre-test-condition: | En bloc sending is used         |   |   |

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| 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,  |  |  |  |
|                     |   | <ul> <li>Not susceptible to clipping,</li> </ul>                            |  |  |  |
|                     |   | <ul> <li>User plane connection configuration: point-to-point: 00</li> </ul> |  |  |  |
|                     | AAL Parameters:   | - AAL type 5  |  |  |  |
|                     |   | <ul> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> </ul>             |  |  |  |
|                     |   | <ul> <li>Backward maximum CPCS-SDU size: acc. to IXIT</li> </ul>            |  |  |  |
|                     |   | - SSCS-type   |  |  |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0)                     |  |  |  |
|                     |   |   |  |  |  |
|                     |   | <ul> <li>Backward peak cell rate (CLP=0)</li> </ul>                         |  |  |  |
|                     |   | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>                        |  |  |  |
|                     |   | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>                       |  |  |  |
|                     |   | - 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  | 3-1 [21]   | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1] |  |
|---------------------|---|--|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCC   | D/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:<br>B-BC:   | - BCOBC<br>- Not suscep<br>- User plane  | tible to clipping,   |  |
|                     | AAL Parameters:   | <ul> <li>- AAL type 5</li> <li>- Forward maximum CPCS-SDU size: acc. to IXIT</li> <li>- Backward maximum CPCS-SDU size: acc. to IXIT</li> <li>- SSCS-type</li> </ul>   |  |  |
|                     | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainable cell rate (CLP=0+1)</li> <li>Backward sustainable cell rate (CLP=0+1)</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum burst size (CLP=0+1)</li> <li>Backward maximum burst size (CLP=0+1)</li> <li>Lusspecified QoS class</li> </ul> |  |  |
| Node-to-Node        |   |  |  |  |
| cross-reference     |   |  |  |  |
| Comments:           |   |  |  |  |
| Pre-test-condition: | En bloc sending is used   |  |  |  |

| 1.2.1.1.8           | Ref. to EN 301 068                                    | 8-1 [21]  | Other relevant ref.: EN 301 068-1 [21],                            |  |
|---------------------|---|---|--|--|
|                     |   |   | ETS 300 443-1 [1]  |  |
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCC                                 | J/BSE   |  |  |
| Selection criteria: |   |   |  |  |
| Test purpose:       | To verify that a Basic call successfully using bearer | supporting Cap<br>class C   | bability Set 2.1 parameters can be established                     |  |
| Configuration:      | Configuration 1                                       |   |  |  |
| Parameter values:   | For SETUP:<br>B-BC:                                   | - BCOBC<br>- Not suscep<br>- User plane   | tible to clipping,<br>connection configuration: point-to-point: 00 |  |
|                     | AAL Parameters:                                       | <ul> <li>AAL type 5</li> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> <li>Backward maximum CPCS-SDU size: acc. to IXIT</li> <li>SSCS-type</li> </ul>  |  |  |
|                     | ATM Traffic Descriptor:                               | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainable cell rate (CLP=0)</li> <li>Backward sustainable cell rate (CLP=0)</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum burst size (CLP=0)</li> <li>Backward maximum burst size (CLP=0)</li> <li>Unspecified QoS class</li> </ul> |  |  |
| Node-to-Node        |   |   |  |  |
| cross-reference     |   |   |  |  |
| Comments:           |   |   |  |  |
| Pre-test-condition: | En bloc sending is used                               |   |  |  |

| 1.2.1.1.9           | Ref. to EN 301 068          | 3-1 [21]   | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1] |  |
|---------------------|-----------------------------|--|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCC       | )/BSE  |  |  |
| Selection criteria: |                             |  |  |  |
| Test purpose:       | To verify that a Basic call | supporting Cap   | ability Set 2.1 parameters can be established                |  |
|                     | successfully using bearer   | class C  |  |  |
| Configuration:      | Configuration 1             |  |  |  |
| Parameter values:   | For SETUP:                  |  |  |  |
|                     | B-BC:                       | - BCOBC  |  |  |
|                     |                             | - BTC: 000 1   | 011  |  |
|                     |                             | <ul> <li>Not suscep</li> </ul>                                   | tible to clipping,   |  |
|                     |                             | - User plane   | connection configuration: point-to-point: 00                 |  |
|                     | AAL Parameters:             | - AAL type 5   |  |  |
|                     |                             | - Forward ma   | aximum CPCS-SDU size: acc. to IXIT                           |  |
|                     |                             | <ul> <li>Backward r</li> </ul>                                   | naximum CPCS-SDU size: acc. to IXIT                          |  |
|                     |                             | - SSCS-type  |  |  |
|                     | ATM Traffic Descriptor:     | - PCR: acc. t  | o IXIT   |  |
|                     | -                           | - Forward pe   | ak cell rate (CLP=0+1)                                       |  |
|                     |                             | - Backward   | beak cell rate (CLP=0+1)                                     |  |
|                     |                             | - SCR: acc. to IXIT<br>- Forward sustainable cell rate (CLP=0+1) |  |  |
|                     |                             |  |  |  |
|                     |                             | - Backward   | sustainable cell rate (CLP=0+1)                              |  |
|                     |                             | - MBS: acc.  | to IXIT  |  |
|                     |                             | - Forward ma   | aximum 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                                       | 3-1 [21]  | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1]              |  |
|---------------------|--|---|---|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/NCO/BSE                                |   |   |  |
| Selection criteria: |  |   |   |  |
| Test purpose:       | To verify that a Basic call<br>successfully using bearer | supporting Cap<br>class C   | ability Set 2.1 parameters can be established                             |  |
| Configuration:      | Configuration 1  |   |   |  |
| Parameter values:   | For SETUP:<br>B-BC:                                      | - BCOBC<br>- BTC: 001 (<br>- Not suscep<br>- User plane   | 011<br>tible to clipping,<br>connection configuration: point-to-point: 00 |  |
|                     | AAL Parameters:  | <ul> <li>AAL type 5</li> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> <li>Backward maximum CPCS-SDU size: acc. to IXIT</li> <li>SSCS-type</li> </ul>  |   |  |
|                     | ATM Traffic Descriptor:                                  | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainable cell rate (CLP=0+1)</li> <li>Backward sustainable cell rate (CLP=0+1)</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum burst size (CLP=0+1)</li> <li>Backward maximum burst size (CLP=0+1)</li> <li>Unspecified OpS class</li> </ul> |   |  |
| Node-to-Node        |  | Chipconie   |   |  |
| 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],<br>ETS 300 443-1 [1]                                       |
|---------------------|--|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/PTM  | P/NCO/BSE                                    |  |
| Selection criteria: |  |  |  |
| Test purpose:       | To verify that a Point to Mu successfully using bearer               | ultipoint Call between class A. The addition | one root and two leaves can be established 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                              |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul>      | pping,   |
|                     |  | - User plane conne                           | ction configuration: point-to-multipoint: 01   |
|                     | End point reference:   | Any value except 0                           |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to IXIT                          |  |
|                     |  | <ul> <li>Forward peak cell</li> </ul>        | rate (CLP=0+1)   |
|                     |  | <ul> <li>Backward peak ce</li> </ul>         | ell rate (CLP=0+1) = 0   |
|                     | QoS:   | - Unspecified QoS                            | class  |
|                     | For ADD PARTY:   |  |  |
|                     | End point reference  |  |  |
|                     | For the ADD PARTY ACK  | NOWLEDGE:                                    |  |
|                     | 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  | 0 771-1 [3]  | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1]   |  |
|---------------------|--|--|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/PTM  | MP/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:<br>B-BC:<br>End point reference:<br>ATM Traffic Descriptor:<br>QoS:<br>For CONNECT:<br>End point reference  | <ul> <li>BCOBA,</li> <li>BTC: 000 0111</li> <li>Susceptible to clip</li> <li>User plane connect</li> <li>Any value except 0</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Unspecified QoS of</li> </ul> | ping,<br>ction configuration: point-to-multipoint: 01<br>rate (CLP=0+1)<br>ell rate (CLP=0+1) = 0<br>class |  |
| 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   | e 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],<br>ETS 300 443-1 [1]  |
|---------------------|--|--|---|
| TSS reference:      | B_ISDN/BCA/ CS2.1/PTM  | P/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:<br>B-BC:<br>End point reference:<br>ATM Traffic Descriptor:<br>QoS:   | <ul> <li>BCOBA,</li> <li>BTC: 000 0111</li> <li>Susceptible to clip</li> <li>User plane connect</li> <li>Any value except 0</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Unspecified QoS of</li> </ul> | oping,<br>ction configuration: point-to-multipoint: 01<br>rate (CLP=0+1)<br>ell rate (CLP=0+1) = 0<br>class |
|                     | For ADD PARTY:<br>End point reference<br>For the ADD PARTY ACK<br>End point reference<br>AAL Parameters:<br>B-LLI:<br>window   | NOWLEDGE:<br>- AAL type 1<br>- User inf. layer 2: 0<br>- User inf. layer 3: ><br>size: 3   | 0.922 [29]<br>K.25 [30] packet layer, packet size: 1 024,   |
| Node-to-Node        |  |  |   |
| cross-reference     |  |  |   |
| Comments:           | The ADD PARTY must us<br>and mustn't be sent before  | e the same call refere<br>the first call is in the   | nce value as in the SETUP active state  |
| Pre-test-condition: | En bloc sending is used  |  |   |

| 1.2.4.1.1.4         | Ref. to ETS 300   | 0 771-1 [3]  | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1]  |
|---------------------|---|--|---|
| TSS reference:      | B ISDN/BCA/ CS2.1/PTM   | IP/NCO/BSE   |   |
| Selection criteria: |   |  |   |
| Test purpose:       | To verify that a Point to M successfully using bearer in the active state.                    | ultipoint Call between class C. The addition   | one root and two leaves can be established of the third party is initiated while the first call is  |
| Configuration:      | Configuration 2   |  |   |
| Parameter values:   | For SETUP:<br>B-BC:   | - BCOBC<br>- BTC: 000 1011<br>- Not susceptible to<br>- User plane connect   | clipping,<br>ction configuration: point-to-multipoint: 01   |
|                     | AAL Parameters:   | <ul> <li>AAL type 5</li> <li>Forward maximum</li> <li>Backward maximu</li> <li>SSCS-type</li> </ul>  | n CPCS-SDU size: acc. to IXIT<br>Im CPCS-SDU size: 0  |
|                     | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak ce</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainat</li> <li>Backward sustainat</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum</li> <li>Backward maximum</li> </ul> | rate (CLP=0+1)<br>ell rate (CLP=0+1) = 0<br>ele cell rate (CLP=0+1)<br>able cell rate (CLP=0+1) = 0<br>en burst size (CLP=0+1)<br>um burst size (CLP=0+1) = 0 |
|                     | End point reference:<br>ATM Traffic Descriptor:   | <ul> <li>Any value except 0</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> </ul>   | 0<br>rate (CLP=0+1)<br>ell rate (CLP=0+1) = 0   |
|                     | GOS:<br>For ADD PARTY:<br>End point reference<br>For the ADD PARTY ACK<br>End point reference | - Unspecified QoS o  | Class   |
| Node-to-Node        |   |  |   |
| Commonte:           |   | o the same call refere   | nco valuo as in the SETUR   |
| comments:           | and mustn't be sent before  | e 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],<br>ETS 300 443-1 [1]  |
|---------------------|--|---|---|
| TSS reference:      | B_ISDN/BCA/ CS2.1/PTM  | P/NCO/BSE   |   |
| Selection criteria: |  |   |   |
| Test purpose:       | To verify that a Point to Mu<br>successfully using bearer<br>in the active state.  | ultipoint Call between<br>class X. The addition   | one root and two leaves can be established of the third party is initiated while the first call is          |
| Configuration:      | Configuration 2  |   |   |
| Parameter values:   | For SETUP:   | RCORY   |   |
|                     | End point reference:<br>ATM Traffic Descriptor:<br>QoS:<br>For ADD PARTY:<br>End point reference<br>For the ADD PARTY ACK<br>End point reference | - BCOBX<br>- BTC: 000 0111<br>- Susceptible to clip<br>- User plane conner<br>Any value except 0<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cell<br>- Unspecified QoS of<br>NOWLEDGE: | pping,<br>ction configuration: point-to-multipoint: 01<br>rate (CLP=0+1)<br>ell rate (CLP=0+1) = 0<br>class |
| 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   | e 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],<br>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 unas<br>Connection (bearer class A) is released by the r<br>cause # 1 | ssigned number sent in a Point to Multipoint network. using an ADD PARTY REJECT, |
| Configuration:                  | Configuration 2  |  |
| Parameter values:               | For ADD PARTY:<br>Called party number: - (acc. to IXIT)<br>End point reference<br>For ADD PARTY REJECT:        |  |
|                                 | Cause value: - 1 (unassigned nur   | nber)  |
| Node-to-Node<br>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] /<br>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 PART<br>the network cannot determin<br>ADD PARTY REJECT, caus    | TY sent in a Point to<br>ne a route to this de<br>se # 3 | Multipoint Connection (bearer class A) where stination is released by the network using an |
| Configuration:      | Configuration 2  |  |  |
| Parameter values:   | For ADD PARTY:<br>Called party number:<br>End point reference<br>For ADD PARTY REJECT: | - (acc. to IXIT)   |  |
|                     | Cause value:   | - 3 (no route to dest                                    | tination)  |
| Node-to-Node        |  |  |  |
| cross-reference     |  |  |  |
| Comments:           |  |  |  |
| Pre-test-condition: | A Point to Multipoint Conne  | ction 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],<br>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<br>the network determines that the destination nu<br>using an ADD PARTY REJECT, cause # 22 | o Multipoint Connection (bearer class A) where mber has changed is released by the network |
| Configuration:      | Configuration 2   |  |
| Parameter values:   | For ADD PARTY:<br>Called party number: - (acc. to IXIT)<br>End point reference<br>For ADD PARTY REJECT:                                   |  |
|                     | Cause value: - 22 (number chan  | ged)   |
| Node-to-Node        |   |  |
| cross-reference     |   |  |
| Comments:           |   |  |
| Pre-test-condition: | A Point to Multipoint Connection exists betwee  | n 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],<br>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<br>the network determines that the called party nu<br>an ADD PARTY REJECT, cause # 28        | Multipoint Connection (bearer class A) where<br>mber is invalid is released by the network using |
| Configuration:                  | Configuration 2   |  |
| Parameter values:               | For ADD PARTY:<br>Called party number: - (acc. to IXIT)<br>End point reference<br>For ADD PARTY REJECT:<br>Cause value: - 28 (invalid numbe | r format/address incomplete)   |
| Node-to-Node<br>cross-reference |   |  |

A Point to Multipoint Connection exists between the root and one leaf

Comments: Pre-test-condition:

| 1.2.4.2.1.5         | Ref. to ETS 300 771-1 [3]  | Other relevant ref.: EN 301 068-1 [21],<br>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<br>the network determines that the requested user<br>network using an ADD PARTY REJECT, cause | Multipoint Connection (bearer class A) where<br>cell rate is not available is released by the<br># 37 |
| Configuration:      | Configuration 2  |   |
| Parameter values:   | For ADD PARTY:<br>Called party number: - (acc. to IXIT)<br>End point reference<br>For ADD PARTY REJECT:                                      |   |
| Nada ta Nada        | Cause value 37 (user ceil rate   | is not available)   |
| 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 30   | 0 771-1 [3]   | Other relevant ref.: EN 301 068-1 [21],<br>ETS 300 443-1 [1]                                |
|---------------------|--|---|---|
| TSS reference:      | B_ISDN/BCA/ CS2.1/PTN  | IP/UCS/BSE  |   |
| Selection criteria: |  |   |   |
| Test purpose:       | To verify that an ADD PA<br>the network determines th<br>using an ADD PARTY RE       | RTY sent in a Point to<br>nat the requested reso<br>SJECT, cause # 47 | Multipoint Connection (bearer class A) where urce is unavailable is released by the network |
| Configuration:      | Configuration 2  |   |   |
| Parameter values:   | For ADD PARTY:<br>Called party number:<br>End point reference<br>For ADD PARTY REJEC | - (acc. to IXIT)<br>Г:  |   |
|                     | Cause value:   | - 47 (resource unav   | ailable, unspecified)   |
| Node-to-Node        |  |   |   |
| cross-reference     |  |   |   |
| Comments:           |  |   |   |
| Pre-test-condition: | A Point to Multipoint Conr   | nection 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],<br>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<br>the network determines that the requested qual<br>network using an ADD PARTY REJECT, cause  | Multipoint Connection (bearer class A) where<br>ity of service is unavailable is released by the<br># 49 |
| Configuration:                  | Configuration 2   |  |
| Parameter values:               | For ADD PARTY:<br>Called party number: - (acc. to IXIT)<br>End point reference<br>For ADD PARTY REJECT:<br>Cause value: - 49 (quality of serv | rice unavailable)  |
| Node-to-Node<br>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],<br>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<br>the network determines that the requested bear<br>released by the network using an ADD PARTY | o Multipoint Connection (bearer class A) where<br>rer capability is not presently available is<br>7 REJECT, cause # 49 |
| Configuration:                  | Configuration 2  |  |
| Parameter values:               | For ADD PARTY:<br>Called party number: - (acc. to IXIT)<br>End point reference<br>For ADD PARTY REJECT:<br>Cause value: - 58 (bearer capab     | ility not presently available)   |
| Node-to-Node<br>cross-reference |  |  |
| Comments:                       |  |  |
| Pre-test-condition:             | A Point to Multipoint Connection exists betwee   | n the root and one leaf  |

| 1.2.4.3.1.1         | Ref. to ETS 300 771-1 [3]  | Other relevant ref.: EN 301 068-1 [21],<br>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 Co<br>sending a RELEASE | onnection (bearer class A) can drop itself by                |
| Configuration:      | Configuration 2  |  |
| Parameter values:   | For RELEASE:   |  |
|                     | Cause: - normal call clea  | ring   |
| Node-to-Node        |  |  |
| cross-reference     |  |  |
| Comments:           |  |  |
| Pre-test-condition: | A Point to Multipoint Connection exists betwe                          | en the root and two leaves                                   |

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

| 1.2.4.3.1.2         | Ref. to ETS 300 771-1 [3]   | Other relevant ref.: EN 301 068-1 [21],<br>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 Co<br>sending a DROP PARTY | onnection (bearer class A) can drop a leaf by                |
| Configuration:      | Configuration 2   |  |
| Parameter values:   | For DROP PARTY:   | _  |
|                     | Endpoint reference  | ıg   |
| 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],<br>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:<br>Cause: - normal call clear   | ing  |
| Node-to-Node<br>cross-reference |  |  |
| Comments:                       |  |  |
| Pre-test-condition:             | A Point to Multipoint Connection exists betwee   | en 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],<br>ETS 300 443-1 [1]                           |
|---------------------|---|--|
| <b>TOO</b> (        |   |  |
| TSS reference:      | B_ISDN/BCA/ CS2.1/PTMP/NCR/BSE  |  |
| Selection criteria: |   |  |
| Test purpose:       | To verify that the root of a Point to Multipoint Co<br>complete connection and the leaf in the ADD P/<br>REJECT | onnection (bearer class A) can release the<br>ARTY RECEIVED state receives a ADD PARTY |
| Configuration:      | Configuration 2   |  |
| Parameter values:   | For RELEASE:  |  |
|                     | Cause: - normal call clearin  | g  |
| Node-to-Node        |   |  |
| cross-reference     |   |  |
| Comments:           |   |  |
| Pre-test-condition: | A Point to Multipoint Connection exists between<br>ADD PARTY RECEIVED state                                     | the root and one leaf. The second leaf is in the                                       |

# 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],<br>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 parameters (Alternative A class A                                 | supporting Capability<br>TM Traffic Descriptor)  | Set 2.1 parameters and Bandwith negotiation<br>can be established successfully using bearer |  |
| Configuration:      | Configuration 1   |  |   |  |
| Parameter values:   | For SETUP:  |  |   |  |
|                     | B-BC:   | - BCOBA,<br>- BTC: 000 0111<br>- Susceptible to clip<br>- User plane conner  | ping,<br>ction configuration: point-to-point: 00  |  |
|                     | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> </ul> |   |  |
|                     | Alternative ATM Traffic De  | Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1)   |   |  |
|                     |   |  |   |  |
|                     |   |  |   |  |
|                     |   | <ul> <li>Backward peak ce</li> </ul>   | ell rate (CLP=0+1)  |  |
|                     | QoS:  | <ul> <li>Unspecified QoS of</li> </ul>   | class   |  |
|                     | For Connect:  |  |   |  |
|                     | ATM Traffic Descriptor:   | - Values of the ATM<br>message   | I Traffic Descriptor included in the SETUP  |  |
| 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],<br>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<br>parameters (Alternative A<br>class A | supporting Capability<br>TM Traffic Descriptor)  | Set 2.1 parameters and Bandwith negotiation<br>can be established successfully using bearer |  |
| Configuration:      | Configuration 1   |  |   |  |
| Parameter values:   | For SETUP:  |  |   |  |
|                     | B-BC:   | - BCOBA,<br>- BTC: 000 0111<br>- Susceptible to clip<br>- User plane conner  | ping,<br>ction configuration: point-to-point: 00  |  |
|                     | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> </ul> |   |  |
|                     | Alternative ATM Traffic De  | escriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak ce   | rate (CLP=0+1)<br>ell rate (CLP=0+1)  |  |
|                     | QoS:<br>For Connect:  | - Unspecified QoS  | class   |  |
|                     | ATM Traffic Descriptor:   | <ul> <li>Values of the alter</li> <li>SETUP message</li> </ul>   | native ATM Traffic Descriptor included in the   |  |
| Node-to-Node        |   |  |   |  |
| cross-reference     |   |  |   |  |
| Comments:           | The alternative bandwidth<br>requested                              | requirements must be   | e reduced compared to those originally  |  |
| 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],<br>EN 301 068-1 [21]  |  |
|---------------------------------|---|---|---|--|
| TSS reference:                  | B ISDN/BCA/ CS2.1/BWI   | N/NCO/BSE   |   |  |
| Selection criteria:             |   |   |   |  |
| Test purpose:                   | To verify that a Basic call<br>parameters (Alternative A<br>class C | supporting Capability<br>TM Traffic Descriptor)   | Set 2.1 parameters and Bandwith negotiation can be established successfully using bearer  |  |
| Configuration:                  | Configuration 1   |   |   |  |
| Parameter values:               | For SETUP:  |   |   |  |
|                                 | B-BC:<br>AAL Parameters:  | <ul> <li>BCOBC,</li> <li>BTC: 000 1001</li> <li>Not susceptible to</li> <li>User plane connect</li> <li>AAL type 5</li> <li>Forward maximum</li> <li>Backward maximut</li> <li>SSCS-type</li> </ul>   | clipping,<br>ction configuration: point-to-point: 00<br>n CPCS-SDU size: acc. to IXIT<br>ım CPCS-SDU size: acc. to IXIT   |  |
|                                 | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainable cell rate (CLP=0)</li> <li>Backward sustainable cell rate (CLP=0)</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum burst size (CLP=0)</li> </ul> |   |  |
|                                 | Alternative ATM Traffic Descriptor:                                 |   |   |  |
|                                 | QoS:<br>For Connect:<br>ATM Traffic Descriptor:                     | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainat</li> <li>Backward sustainat</li> <li>MBS: acc. to IXIT</li> <li>Forward maximur</li> <li>Backward maximur</li> <li>Unspecified QoS of</li> <li>Values of the ATM message</li> </ul> | rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>ole cell rate (CLP=0)<br>able cell rate (CLP=0)<br>n burst size (CLP=0)<br>um burst size (CLP=0)<br>class<br>1 Traffic Descriptor included in the SETUP |  |
| Node-to-Node<br>cross-reference |   |   |   |  |
| Comments:                       | The alternative bandwidth requested                                 | requirements must be  | e reduced compared to those originally  |  |
| 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],<br>EN 301 068-1 [21]   |  |
|--|--|--|--|--|
| TSS reference:                               | B ISDN/BCA/ CS2.1/BWI  | V/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:<br>B-BC:  | - BCOBC,<br>- BTC: 000 1001<br>- Not susceptible to  | clipping,  |  |
|  | AAL Parameters:  | - User plane connect     - AAL type 5     - Forward maximum     - Backward maximum   | ction configuration: point-to-point: 00<br>n CPCS-SDU size: acc. to IXIT<br>Im CPCS-SDU size: acc. to IXIT   |  |
|  | ATM Traffic Descriptor:  | <ul> <li>SSCS-type</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainable cell rate (CLP=0)</li> <li>Backward sustainable cell rate (CLP=0)</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum burst size (CLP=0)</li> </ul>   |  |  |
|  | Alternative ATM Traffic De<br>QoS:<br>For Connect:<br>ATM Traffic Descriptor:  | <ul> <li>Backward maximulescriptor:</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainability</li> <li>Backward sustainability</li> <li>Backward sustainability</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum</li> <li>Backward maximum</li> <li>Unspecified QoS of</li> <li>Values of the alter<br/>SETUP message</li> </ul> | rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>ele cell rate (CLP=0)<br>able cell rate (CLP=0)<br>n burst size (CLP=0)<br>em burst size (CLP=0)<br>class<br>native ATM Traffic Descriptor included in the |  |
| roae-to-Node<br>cross-reference<br>Comments: | The alternative bandwidth  | requirements must be   | e reduced compared to those originally   |  |
| Brotost condition                            | requested  |  | s readeed compared to those originally   |  |
| 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],      |  |
|---------------------|-------------------------------------|---|--|--|
| TOO matanana a      |                                     |   | EN 301 068-1 [21], ETS 300 771-1 [3]         |  |
| 155 reference:      | B_ISDIN/BCA/ CS2.1/BVVI             | NNCO/BSE                                    |  |  |
| Selection criteria: |                                     |   |  |  |
| Test purpose:       | To verify that a Basic call         | supporting Capability                       | Set 2.1 parameters and Bandwith negotiation  |  |
|                     | parameters (Alternative A           | TM Traffic Descriptor)                      | can be established successfully using bearer |  |
|                     | class A in a Point-to-multi         | point configuration.                        |  |  |
| Configuration:      | Configuration 2                     |   |  |  |
| Parameter values:   | For SETUP:                          |   |  |  |
|                     | B-BC:                               | - BCOBA,                                    |  |  |
|                     |                                     | - BTC: 000 0111                             |  |  |
|                     |                                     | - Susceptible to clip                       | ping,  |  |
|                     |                                     | - User plane conne                          | ction configuration: point-to-multipoint: 01 |  |
|                     | End point reference: 0              |   | 5 1 1  |  |
|                     | ATM Traffic Descriptor:             | - PCR: acc. to IXIT                         |  |  |
|                     |                                     | - Forward peak cell                         | rate (CLP=0+1)                               |  |
|                     |                                     | - Backward neak cell rate (CI $P=0+1$ ) = 0 |  |  |
|                     | Alternative ATM Traffic Descriptor: |   |  |  |
|                     |                                     | - PCR <sup>-</sup> acc. to IXIT             |  |  |
|                     |                                     | - Forward peak cell rate (CLP=0+1)          |  |  |
|                     |                                     | - Backward peak ce                          | $(C_1 = 0, 1) = 0$                           |  |
|                     | QoS.                                | - Unspecified QoS                           | class  |  |
|                     | For CONNECT                         |   |  |  |
|                     | End point reference: 0              |   |  |  |
|                     | ATM Traffic Descriptor:             | - Values of the ATM                         | Traffic Descriptor included in the SETLIP    |  |
|                     | Arim Tranic Descriptor.             |   |  |  |
|                     |                                     | message                                     |  |  |
|                     | End point reference: Any            | value excent 0                              |  |  |
| Node-to-Node        | End point reference. Any            |   |  |  |
| cross-reference     |                                     |   |  |  |
| Commonts:           | The alternative bandwidth           | roquiromonte must b                         | a reduced compared to these originally       |  |
| Comments.           | requested The ADD DAD               | TV must not be cost b                       | ofore the CONNECT is reasized                |  |
| Dro toot condition: | En blog gending in yard             | i i must not be sent b                      |  |  |
| Pre-test-condition: | En bloc senaing is used             |   |  |  |

| 1.2.5.1.3b          | Ref. to EN 301                      | 067-1 [22]  | Other relevant ref.: ETS 300 443-1 [1],       |  |
|---------------------|-------------------------------------|---|---|--|
| TSS reference:      | B ISDN/BCA/CS2 1/BW/N               | /NCO/BSE  | EN 301 000-1 [21], ETS 300 77 1-1 [5]         |  |
| Soloction oritoria  | B_13DN/BCA/C32.1/BWN                | /NCO/BSE  |   |  |
| Selection criteria. | To verify that a Dasia call.        |   | Cat 2.4 neversators and Dandwith repetiation  |  |
| Test purpose:       | To verify that a Basic call         |   | Set 2.1 parameters and Bandwith negotiation   |  |
|                     | parameters (Alternative A           | The traine Descriptor)                                    | can be established successfully using bearer  |  |
| Configuration       | Class A In a Point-to-multip        | boint conliguration                                       |   |  |
| Configuration:      |                                     |   |   |  |
| Parameter values:   | FOR SETUP:                          |   |   |  |
|                     | B-BC:                               | - BCOBA   |   |  |
|                     |                                     | - BIC: 000 0111   |   |  |
|                     |                                     | - Susceptible to clip                                     | ping  |  |
|                     |                                     | - User plane connec                                       | ction configuration: point-to-multipoint: 01  |  |
|                     | End point reference: 0              |   |   |  |
|                     | ATM Traffic Descriptor:             | - PCR: acc. to IXIT                                       |   |  |
|                     |                                     | <ul> <li>Forward peak cell</li> </ul>                     | rate (CLP=0+1)                                |  |
|                     |                                     | <ul> <li>Backward peak cell rate (CLP=0+1) = 0</li> </ul> |   |  |
|                     | Alternative ATM Traffic Descriptor: |   |   |  |
|                     |                                     | - PCR: acc. to IXIT                                       |   |  |
|                     |                                     | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>      |   |  |
|                     |                                     | <ul> <li>Backward peak ce</li> </ul>                      | ell rate (CLP=0+1) = 0                        |  |
|                     | QoS:                                | <ul> <li>Unspecified QoS of</li> </ul>                    | class   |  |
|                     | For CONNECT:                        |   |   |  |
|                     | End point reference: 0              |   |   |  |
|                     | ATM Traffic Descriptor:             | - Values of the alter                                     | native ATM Traffic Descriptor included in the |  |
|                     |                                     | SETUP message   |   |  |
|                     | For ADD PARTY:                      |   |   |  |
|                     | End point reference: Any            | /alue except 0  |   |  |
| Node-to-Node        |                                     |   |   |  |
| cross-reference     |                                     |   |   |  |
| Comments:           | The alternative bandwidth           | requirements must be                                      | e reduced compared to those originally        |  |
|                     | requested. The ADD PAR              | TY must not be sent b                                     | 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],<br>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 establi  | shed successfully usi  | ng 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  |  |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul>                                    | ping   |  |
|                     |  | - User plane conne   | ction configuration: point-to-point: 00                      |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1)                  |  |  |
|                     |  |  |  |  |
|                     |  | - Backward peak cell rate (CLP=0+1)  |  |  |
|                     | Alternative ATM Traffic De   | c Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1) |  |  |
|                     |  |  |  |  |
|                     |  |  |  |  |
|                     |  | - Backward peak ce   | ell rate (CLP=0+1)   |  |
|                     | QoS:   | - Unspecified QoS  | class  |  |
|                     | For Connect:   |  |  |  |
|                     | ATM Traffic Descriptor:  | - Values of the ATM  | 1 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 s  | sending is used  |  |  |

| 1.2.5.1.5                       | Ref. to EN 301  | 067-1 [22]   | Other relevant ref.: ETS 300 443-1 [1],<br>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:<br>B-BC:   | - BCOBA<br>- BTC: 000 0111<br>- Susceptible to clip<br>- User plane conner   | pping<br>ction configuration: point-to-point: 00             |  |
|                                 | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> </ul> |  |  |
|                                 | Alternative ATM Traffic De  | Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1)<br>Backward peak cell rate (CLP=0+1)              |  |  |
|                                 | QoS:<br>For Connect:<br>ATM Traffic Descriptor:   | <ul> <li>Unspecified QoS of</li> <li>Values of the ATM message</li> </ul>  | I Traffic Descriptor included in the SETUP                   |  |
| Node-to-Node<br>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],<br>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<br>parameters (Minimum acc<br>using bearer class A               | supporting Capability<br>eptable ATM Traffic E            | Set 2.1 parameters and Bandwith negotiation<br>Descriptor) can be established successfully |  |
| Configuration:      | Configuration 1  | Configuration 1   |  |  |
| Parameter values:   | For SETUP:   |   |  |  |
|                     | B-BC:  | - BCOBA   |  |  |
|                     |  | - BTC: 000 0111   |  |  |
|                     |  | - Susceptible to clip                                     | ping   |  |
|                     |  | - User plane conne  | ction 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   | m acceptable ATM Traffic Descriptor:                      |  |  |
|                     |  | - PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1) |  |  |
|                     |  |   |  |  |
|                     |  | - Backward peak ce  | ell rate (CLP=0+1)   |  |
|                     | QoS:   | - Unspecified QoS   | class  |  |
|                     | For Connect:   | 1   |  |  |
|                     | ATM Traffic Descriptor:  | - Accepted values i                                       | n the range of the values of ATM Traffic   |  |
|                     |  | Descriptor and mini                                       | mum 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 PC  | CR 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],<br>EN 301 068-1 [21]  |  |
|---------------------|---|---|---|--|
| TSS reference:      | B ISDN/BCA/ CS2.1/BWI   | V/NCO/BSE   | <b>b d</b>  |  |
| 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:<br>ATM Traffic Descriptor:<br>Minimum acceptable ATM<br>QoS:<br>For Connect:<br>ATM Traffic Descriptor:   | <ul> <li>BCOBA</li> <li>BTC: 000 0111</li> <li>Susceptible to clip</li> <li>User plane conner</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Backward peak cell</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Backward peak cell</li> <li>Backward peak cell</li> <li>Backward peak cell</li> <li>Compecified QoS of</li> <li>Accepted value in Minimum acceptabl SETUP message</li> </ul> | ping<br>ction configuration: point-to-point: 00<br>rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>class<br>the range of ATM Traffic Descriptor and<br>e ATM Traffic Descriptor included in the |  |
| Node-to-Node        |   |   |   |  |
| Cross-reference     | The model call notice in discu  | • • • • • • • • • • • • • • • • •   | and the ATM Traffic Descriptor shall be less  |  |
| 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],<br>EN 301 068-1 [21] |  |
|---------------------|---|---|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BWI   | N/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<br>- BTC: 000 0111<br>- Susceptible to clip<br>- User plane conner  | pping<br>ction configuration: point-to-point: 00             |  |
|                     | ATM Traffic Descriptor:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> </ul>                                |  |  |
|                     | Minimum acceptable ATM  | acceptable ATM Traffic Descriptor:  |  |  |
|                     | QoS:<br>For Connect:  | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>Unspecified QoS class</li> </ul> |  |  |
|                     | ATM Traffic Descriptor:   | - Value of the ATM message  | Traffic Descriptor included in the SETUP                     |  |
| 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],<br>EN 301 068-1 [21]  |  |
|---------------------|---|---|---|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BWI   | N/NCO/BSE   |   |  |
| Selection criteria: |   |   |   |  |
| Test purpose:       | To verify that a Basic call<br>parameters (Alternative A<br>class A whereby the ATM | supporting Capability<br>TM Traffic Descriptor)<br>Traffic Descriptor in th | Set 2.1 parameters and Bandwith negotiation<br>can be established successfully using bearer<br>ne Connect is not sent by the destination user |  |
| Configuration:      | Configuration 1   |   |   |  |
| Parameter values:   | For SETUP:  |   |   |  |
|                     | B-BC:   | - BCOBA   |   |  |
|                     |   | - BTC: 000 0111   |   |  |
|                     |   | - Susceptible to clip   | pping   |  |
|                     |   | - User plane conne  | ction 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 ce  | ell 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],  |  |
|---------------------|--|---|--|--|
| TSS reference:      |  |   | EN 301 068-1 [21]  |  |
| 133 reference:      | B_13DIN/BCAV C32. 1/BVV                              | WINCO/DSE                               |  |  |
| Selection criteria: | T. K. H. K. D. J. H.                                 |   |  |  |
| Test purpose:       | parameters (Alternative A<br>class C whereby the ATM | TM Traffic Descriptor)                  | can be established successfully using bearer<br>he 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 conne                      | ction configuration: point-to-point: 00  |  |
|                     | AAL Parameters:                                      | - AAL type 5                            | 5  |  |
|                     |  | - Forward maximum                       | n CPCS-SDU size: acc. to IXIT  |  |
|                     |  | - Backward maximu                       | m CPCS-SDU size: acc. to IXIT  |  |
|                     |  | - SSCS-type                             |  |  |
|                     | ATM Traffic Descriptor:                              | - PCR: acc. to IXIT                     |  |  |
|                     |  | - Forward peak cell                     | rate (CLP=0+1)   |  |
|                     |  | - Backward peak ce                      | ell rate (CLP=0+1)   |  |
|                     |  | - SCR: acc. to IXIT                     |  |  |
|                     |  | - Forward sustainable cell rate (CLP=0) |  |  |
|                     |  | - Backward sustain                      | able cell rate (CLP=0)   |  |
|                     |  | - MBS: acc. to IXIT                     |  |  |
|                     |  | - Forward maximum                       | n burst size (CLP=0)   |  |
|                     |  | - Backward maximu                       | um burst size (CLP=0)  |  |
|                     | Alternative ATM Traffic De                           | escriptor:                              |  |  |
|                     | - PCR: acc. to IXIT                                  |   |  |  |
|                     |  | - Forward peak cell                     | rate (CLP=0+1)   |  |
|                     |  | - Backward peak ce                      | ell rate (CLP=0+1)   |  |
|                     |  | - SCR: acc. to IXIT                     |  |  |
|                     |  | - Forward sustainat                     | ble cell rate (CLP=0)  |  |
|                     |  | - Backward sustain                      | able cell rate (CLP=0)   |  |
|                     |  | - MBS: acc. to IXIT                     |  |  |
|                     |  | - Forward maximum                       | n burst size (CLP=0)   |  |
|                     |  | - Backward maximu                       | um burst size (CLP=0)  |  |
|                     | QoS:   | - Unspecified QoS                       | class  |  |
|                     | For Connect:   |   |  |  |
| Node-to-Node        |  |   |  |  |
| cross-reference     |  |   |  |  |
| Comments:           | The alternative bandwidth requested                  | requirements must be                    | e reduced compared to those originally   |  |
| 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],<br>EN 301 068-1 [21] ETS 300 771-1 [3] |
|---------------------|---|---|--|
| TSS reference:      | B ISDN/BCA/ CS2 1/BW/I                              | N/NCO/RSE                                     |  |
| Selection criteria: |   | VINCO/DOL                                     |  |
| Test purpose:       | To verify that a Basic call                         | supporting Capability                         | Set 2.1 parameters and Bandwith negotiation                                    |
|                     | parameters (Alternative A                           | TM Traffic Descriptor)                        | can be established successfully using bearer                                   |
|                     | class A in a Point-to-multi                         | point configuration wh                        | ereby 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                               |  |
|                     |   | <ul> <li>Susceptible to clip</li> </ul>       | pping  |
|                     |   | <ul> <li>User plane conne</li> </ul>          | ction configuration: point-to-multipoint: 01                                   |
|                     | End point reference: 0                              | nd point reference: 0                         |  |
|                     | ATM Traffic Descriptor:                             | <ul> <li>PCR: acc. to IXIT</li> </ul>         |  |
|                     |   | <ul> <li>Forward peak cell</li> </ul>         | rate (CLP=0+1)   |
|                     |   | <ul> <li>Backward peak ce</li> </ul>          | ell rate (CLP=0+1) = 0   |
|                     | Alternative ATM Traffic De                          | escriptor:                                    |  |
|                     |   | - PCR: acc. to IXIT                           |  |
|                     |   | - Forward peak cell rate (CLP=0+1)            |  |
|                     |   | <ul> <li>Backward peak ce</li> </ul>          | ell rate (CLP=0+1) = 0   |
|                     | QoS:  | <ul> <li>Unspecified QoS (</li> </ul>         | 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<br>requested. The ADD PAR | requirements must be<br>TY must not be sent b | e reduced compared to those originally<br>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],<br>EN 301 068-1 [21]   |
|---------------------|--|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BWI  | V/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:<br>ATM Traffic Descriptor:<br>Alternative ATM Traffic De<br>QoS:<br>For Connect:   | <ul> <li>BCOBA</li> <li>BTC: 000 0111</li> <li>Susceptible to clip</li> <li>User plane conne</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>BCR: acc. to IXIT</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Backward peak cell</li> <li>Unspecified QoS of the second s</li></ul> | ping<br>ction configuration: point-to-point: 00<br>rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>class |
| Node-to-Node        |  |  |  |
| cross-reference     |  |  |  |
| Comments:           | The alternative bandwidth<br>requested   | requirements must be   | e reduced compared to those originally   |
| 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],  |  |
|---------------------|---|-------------------------------------|--|--|
| TSS reference:      | B ISDN/BCA/ CS2 1/BW/   | N/NCO/BSE                           | EN 501 000-1 [21]  |  |
| Soloction critoria: |   |                                     |  |  |
| Selection chiena.   | To verify that a Designal   | auna artia a Can ability            | Cat 2.4 neversators and Dandwith repetiation   |  |
| Test purpose:       | To verify that a Basic call   | supporting Capability               | Set 2.1 parameters and Bandwith negotiation  |  |
|                     | parameters can be establ  | Ished successfully usi              | ng bearer class A. Only the A I M traffic  |  |
|                     | descriptor is included the SETUP with the contents of the alternative ATM traffic descriptor at |                                     |  |  |
|                     | destination. The ATM Tra  | ffic Descriptor in the C            | onnect is not sent by the destination user   |  |
| Configuration:      | Configuration 1   |                                     |  |  |
| Parameter values:   | For SETUP:  |                                     |  |  |
|                     | B-BC:   | - BCOBA                             |  |  |
|                     |   | - BTC: 000 0111                     |  |  |
|                     |   | - Susceptible to clip               | ping   |  |
|                     |   | - User plane conne                  | ction 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 D   | Alternative ATM Traffic Descriptor: |  |  |
|                     |   | - PCR: acc. to IXIT                 |  |  |
|                     |   | - Forward peak cell rate (CLP-0+1)  |  |  |
|                     |   | - Backward neak ce                  | $\frac{1}{1} \frac{1}{1} \frac{1}$ |  |
|                     | 0.05  | - Unspecified OoS                   |  |  |
|                     | Eor Connect:  | - Unspecified QUS                   | 51035  |  |
| Nede to Nede        | For Connect.  |                                     |  |  |
| Node-to-Node        |   |                                     |  |  |
| cross-reference     |   |                                     |  |  |
| Comments:           | The alternative bandwidth requested   | requirements must be                | e reduced compared to those originally   |  |
| Pre-test-condition: | The network is only able t  | o provide the traffic pa            | arameter 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],<br>EN 301 068-1 [21]   |
|---------------------|--|--|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BW   | N/NCO/BSE  |  |
| Selection criteria: |  |  |  |
| Test purpose:       | To verify that a Basic call<br>parameters (Minimum acc<br>using bearer class A whe<br>destination user | supporting Capability<br>ceptable ATM Traffic E<br>reby the ATM Traffic E  | Set 2.1 parameters and Bandwith negotiation<br>Descriptor) can be established successfully<br>Descriptor in the Connect is not sent by the |
| Configuration:      | Configuration 1  |  |  |
| Parameter values:   | For SETUP:   |  |  |
|                     | B-BC:<br>ATM Traffic Descriptor:   | <ul> <li>BCOBA</li> <li>BTC: 000 0111</li> <li>Susceptible to clip</li> <li>User plane conner</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> </ul> | ping<br>ction configuration: point-to-point: 00<br>rate (CLP=0+1)<br>ell rate (CLP=0+1)  |
|                     | Minimum acceptable ATM Traffic Descriptor:   |  |  |
|                     | QoS:<br>For Connect:   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak ce</li> <li>Unspecified QoS of</li> </ul>   | rate (CLP=0+1)<br>Il rate (CLP=0+1)<br>class   |
| Node-to-Node        |  |  |  |
| cross-reference     |  |  |  |
| Comments:           | The peak cell rates indica than the corresponding P  | ited in the minimum ac<br>CR in the ATM Traffic  | ceptable ATM Traffic Descriptor shall be less<br>Descriptor  |
| Pre-test-condition: | En bloc sending is used  |  | •  |

| 1.2.5.2.1           | Ref. to EN 301 067-1 [22]     | Other relevant ref.: ETS 300 443-1 [1],<br>EN 301 068-1 [21] |
|---------------------|-------------------------------|--|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BWN/UCS/BSE |  |
| Selection criteria: |                               |  |

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

| Selection criteria:       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)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)       - Backwar |                     | B_ISDN/BCA/ CS2.1/BWIN/UCS/BSE  |  |  |
|---|---------------------|---|--|--|
| 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)   | Selection criteria: |   |  |  |
| 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)         - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)         - Forward peak cell rate (CLP=0+1)         - Backward peak cel  | Test purpose:       | To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation |  |  |
| destination user due to unavailable resources and the cause value #47 is transparently<br>transported through the network         Configuration:       Configuration 1         Parameter values:       For SETUP:<br>B-BC:       - BCOBA<br>- BTC: 000 0111<br>- Susceptible to clipping<br>- User plane connection configuration: point-to-point: 00         ATM Traffic Descriptor:       - PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1)<br>- Backward peak cell rate (CLP=0+1)         Alternative ATM Traffic Descriptor:       - PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1)         QoS:       - Unspecified QoS class<br>For RELEASE COMPLETE:<br>Cause: Resources not available, unspecified (#47)         Node-to-Node<br>cross-reference       The alternative bandwidth requirements must be reduced compared to those originally<br>requested         Pre-test-condition:       En bloc sending is used  |                     | parameters (Alternative ATM Traffic Descriptor) using bearer class A is released by the       |  |  |
| 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)  |                     | destination user due to unavailable resources and the cause value #47 is transparently        |  |  |
| 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)         - PCR: acc. to IXIT         - 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)         - The al  |                     | transported through the network   |  |  |
| 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)         Alternative ATM Traffic Descriptor:         - PCR: acc. to IXIT         - Forward peak cell rate (CLP=0+1)         Backward peak cell rate (CLP=0+1)         - Coss:       - 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  | Configuration:      | Configuration 1   |  |  |
| 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)         Alternative ATM Traffic Descriptor:         - PCR: acc. to IXIT         - Forward 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)         - Gos:       - 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 sendin  | Parameter values:   | For SETUP:  |  |  |
| - 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)         - Atternative 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  |                     | 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+1)         - Backward peak cell rate (CLP=0+1)         Alternative ATM Traffic Descriptor:         - PCR: acc. to IXIT         - Forward peak cell rate (CLP=0+1)         Alternative ATM Traffic Descriptor:         - PCR: acc. to IXIT         - Forward 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)         - Backward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)         - GoS:       - 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   |                     | - BTC: 000 0111   |  |  |
| - 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)         - PCR: acc. to IXIT         - Forward peak cell rate (CLP=0+1)         - Backward peak cell rate (CLP=0+1)         - Oos:       - 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   |                     | - Susceptible to clipping   |  |  |
| 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)         - Conse: 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  |                     | <ul> <li>User plane connection configuration: point-to-point: 00</li> </ul>                   |  |  |
| - 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)         - Conspecified 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   |                     | ATM Traffic Descriptor: - PCR: acc. to IXIT   |  |  |
| - Backward peak cell rate (CLP=0+1)<br>Alternative ATM Traffic Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell rate (CLP=0+1)<br>- Backward peak cell rate (CLP=0+1)<br>QoS:<br>- Unspecified QoS class<br>For RELEASE COMPLETE:<br>Cause: Resources not available, unspecified (#47)<br>Node-to-Node<br>cross-reference<br>Comments:<br>The alternative bandwidth requirements must be reduced compared to those originally<br>requested<br>Pre-test-condition:<br>En bloc sending is used   |                     | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>  |  |  |
| 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  |                     | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>   |  |  |
| <ul> <li>PCR: acc. to IXIT         <ul> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>QoS:</li> <li>Unspecified QoS class</li> </ul> </li> <li>For RELEASE COMPLETE:         <ul> <li>Cause: Resources not available, unspecified (#47)</li> </ul> </li> <li>Node-to-Node         <ul> <li>cross-reference</li> <li>Comments:</li> <li>The alternative bandwidth requirements must be reduced compared to those originally             <ul> <li>requested</li> </ul> </li> <li>Pre-test-condition:</li> <li>En bloc sending is used</li> </ul></li></ul>  |                     | Alternative ATM Traffic Descriptor:   |  |  |
| - 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  |                     | - PCR: acc. to IXIT   |  |  |
| - 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   |                     | - Forward peak cell rate (CLP=0+1)  |  |  |
| QoS:       - Unspecified QoS class         For RELEASE COMPLETE:       Cause: Resources not available, unspecified (#47)         Node-to-Node   |                     | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>   |  |  |
| For RELEASE COMPLETE:<br>Cause: Resources not available, unspecified (#47)         Node-to-Node<br>cross-reference         Comments:         The alternative bandwidth requirements must be reduced compared to those originally<br>requested         Pre-test-condition:       En bloc sending is used   |                     | QoS: - Unspecified QoS class  |  |  |
| Cause: Resources not available, unspecified (#47)         Node-to-Node<br>cross-reference       Comments:         Comments:       The alternative bandwidth requirements must be reduced compared to those originally<br>requested         Pre-test-condition:       En bloc sending is used  |                     | For RELEASE COMPLETE:   |  |  |
| Node-to-Node<br>cross-reference         The alternative bandwidth requirements must be reduced compared to those originally<br>requested           Pre-test-condition:         En bloc sending is used  |                     | Cause: Resources not available, unspecified (#47)   |  |  |
| cross-reference       The alternative bandwidth requirements must be reduced compared to those originally requested         Pre-test-condition:       En bloc sending is used   | Node-to-Node        |   |  |  |
| Comments:         The alternative bandwidth requirements must be reduced compared to those originally requested           Pre-test-condition:         En bloc sending is used   | cross-reference     |   |  |  |
| requested       Pre-test-condition:     En bloc sending is used   | Comments:           | The alternative bandwidth requirements must be reduced compared to those originally           |  |  |
| Pre-test-condition: En bloc sending is used   |                     | 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],<br>EN 301 068-1 [21]   |  |
|---------------------|---|---|--|--|
| TSS reference:      | B ISDN/BCA/ CS2 1/BW/N  | I/NCO/BSE                               |  |  |
| Selection criteria: |   |   |  |  |
| Test nurnose:       | To verify that a Basic call s   | upporting Capability                    | Set 2.1 parameters and Bandwith peroptiation   |  |
| rest purpose.       | narameters (Alternative A)  | M Traffic Descriptor)                   | using bearer class C is released by the  |  |
|                     | destination user due to una   | available resources a                   | nd the cause value #47 is transparently  |  |
|                     | transported through the ne  | twork                                   |  |  |
| Configuration:      | Configuration 1   |   |  |  |
| Parameter values:   | For SETUP   |   |  |  |
|                     | B-BC  | - BCOBC                                 |  |  |
|                     | 5 50.   | - BTC: 000 1001                         |  |  |
|                     |   | - Not susceptible to                    | clipping   |  |
|                     |   | - User plane connec                     | ction configuration: point-to-point: 00  |  |
|                     | AAL Parameters:   | - AAL type 5                            | 5  |  |
|                     |   | - Forward maximum                       | n CPCS-SDU size: acc. to IXIT  |  |
|                     |   | - Backward maximu                       | Im CPCS-SDU size: acc. to IXIT   |  |
|                     |   | - SSCS-type                             |  |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to IXIT                     |  |  |
|                     |   | - Forward peak cell                     | rate (CLP=0+1)   |  |
|                     |   | - Backward peak ce                      | ell rate (CLP=0+1)   |  |
|                     | - SCR: acc. to IXIT   |   |  |  |
|                     |   | - Forward sustainable cell rate (CLP=0) |  |  |
|                     |   | <ul> <li>Backward sustaina</li> </ul>   | able cell rate (CLP=0)   |  |
|                     |   | <ul> <li>MBS: acc. to IXIT</li> </ul>   |  |  |
|                     |   | <ul> <li>Forward maximum</li> </ul>     | h burst size (CLP=0)   |  |
|                     |   | - Backward maximu                       | im burst size (CLP=0)  |  |
|                     |   |   |  |  |
|                     |   |   |  |  |
|                     |   | - Forward peak cell                     | rate $(CLP=0+1)$   |  |
|                     |   | - Backward peak ce                      | ell rate (CLP=0+1)   |  |
|                     |   | - SCR. acc. to IATI                     | $\Delta = coll rate (CLR_{-0})$  |  |
|                     |   | - Fulwalu sustailiat                    | $\frac{1}{2} = \frac{1}{2} = \frac{1}$ |  |
|                     |   | - MRS: acc. to IXIT                     |  |  |
|                     |   | - Forward maximum                       | burst size $(CIP-0)$   |  |
|                     |   | - Backward maximu                       | $\frac{1}{2} = \frac{1}{2} = \frac{1}$ |  |
|                     | QoS <sup>.</sup>  | - Unspecified QoS (                     | class  |  |
|                     | For RELEASE COMPLET   | =:                                      |  |  |
|                     | Cause: Resources not ava  | ilable, unspecified (#4                 | 47)  |  |
| Node-to-Node        |   |   |  |  |
| cross-reference     |   |   |  |  |
| Comments:           | The alternative bandwidth requirements must be reduced compared to those originally |   |  |  |
| Pro-test-condition: | En bloc sending is used   |   |  |  |
| Fre-lest-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],<br>EN 301 068-1 [21]  |
|---------------------------------|---|--|---|
| TSS reference:                  | B_ISDN/BCA/ CS2.1/BWN   | V/NCO/BSE  |   |
| Selection criteria:             |   |  |   |
| Test purpose:                   | To verify that a Basic call a<br>parameters (Minimum acc<br>the destination user due to<br>transported through the ne | supporting Capability<br>eptable ATM Traffic D<br>o unavailable resource<br>etwork   | Set 2.1 parameters and Bandwith negotiation<br>bescriptor) using bearer class A is released by<br>as and the cause value #47 is transparently |
| Configuration:                  | Configuration 1   |  |   |
| Parameter values:               | For SETUP:  |  |   |
|                                 | B-BC:<br>ATM Traffic Descriptor:<br>Minimum acceptable ATM<br>QoS:<br>For RELEASE COMPLET                             | <ul> <li>BCOBA,</li> <li>BTC: 000 0111</li> <li>Susceptible to clip</li> <li>User plane connect</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Traffic Descriptor:</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak cell</li> <li>Backward peak cell</li> <li>Unspecified QoS of E:</li> </ul> | ping,<br>ction configuration: point-to-point: 00<br>rate (CLP=0+1)<br>ll rate (CLP=0+1)<br>ell rate (CLP=0+1)<br>class                        |
| Nodo to Nodo                    | Cause: Resources not ava  | allable, unspecified (#4   | +/)   |
| Node-to-Node<br>cross-reference |   |  |   |
| Comments:                       | The peak cell rates indicate than the corresponding PC  | ted in the minimum ac<br>CR in the ATM Traffic   | ceptable ATM Traffic Descriptor shall be less<br>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],<br>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:<br>ATM Traffic Descriptor: - PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cell<br>Broadband Report Type: - Modification confin<br>For CONNECTION AVAILABLE: | rate (CLP=0+1) > as in SETUP<br>Il rate (CLP=0+1) > as in SETUP<br>rmation (0000 0001) |  |
| 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 resol  | irces are available respectively   |  |

| 126116              | Pof. to EN 301 276-1 [22] / clause 1                           | Other relevant ref : EN 301 068-1 [21]        |  |
|---------------------|--|---|--|
| 1.2.0.1.10          | Ref. to EN 301 270-1 [23]7 clause 1                            |   |  |
|                     |  | 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/con                | nection already in the active state can be    |  |
|                     | successfully decreased. Confirmation of the mo                 | dification 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               | y established. The Modification Request is    |  |
|                     | supported all through the network and the resou                | urces 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],<br>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<br>successfully increased. Confirmation of the modification is not requested by the addressed<br>user |  |  |
| Configuration:                  | Configuration 1   |  |  |
| Parameter values:               | For MODIFY REQUEST:<br>ATM Traffic Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cell<br>For MODIFY ACKNOWLEDGE:   | l rate (CLP=0+1) > as in SETUP<br>ell rate (CLP=0+1) > as in SETUP             |  |
| Node-to-Node<br>cross-reference |   |  |  |
| Comments:                       |   |  |  |
| Pre-test-condition:             | The connection according to 1.2.1.1.1 is already supported all through the network and the resolution   | y established. The Modification Request is<br>urces 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],<br>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/con<br>successfully decreased. Confirmation of the mo<br>user   | nection already in the active state can be dification is not requested by the addressed |
| Configuration:                  | Configuration 1   |   |
| Parameter values:               | For MODIFY REQUEST:<br>ATM Traffic Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak ce<br>For MODIFY ACKNOWLEDGE:   | rate (CLP=0+1) < as in SETUP<br>Il rate (CLP=0+1)< as in SETUP                          |
| Node-to-Node<br>cross-reference |   |   |
| Comments:                       |   |   |
| Pre-test-condition:             | The connection according to 1.2.1.1.1 is already supported all through the network and the resource of the second | restablished. The Modification Request is<br>arces 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],<br>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/con<br>successfully increased for the forward and decre<br>of the modification is requested by the addresse   | nection already in the active state can be<br>eased for the backward direction. Confirmation<br>ed user |  |
| Configuration:                  | Configuration 1   |   |  |
| Parameter values:               | For MODIFY REQUEST:<br>ATM Traffic Descriptor: - PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cell<br>For MODIFY ACKNOWLEDGE:<br>Broadband Report Type: - Modification confin<br>For CONNECTION AVAILABLE:   | rate (CLP=0+1) > as in SETUP<br>ell rate (CLP=0+1) < as in SETUP<br>rmation (0000 0001)                 |  |
| Node-to-Node<br>cross-reference |   |   |  |
| Comments:                       |   |   |  |
| Pre-test-condition:             | The connection according to 1.2.1.1.1 is already supported all through the network and the resource of the second | / established. The Modification Request is<br>arces 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],<br>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<br>successfully decreased for the forward and increased for the backward direction. Confirmation<br>of the modification is requested by the addressed user |  |  |
| Configuration:                  | Configuration 1  |  |  |
| Parameter values:               | For MODIFY REQUEST:<br>ATM Traffic Descriptor: - PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cel<br>For MODIFY ACKNOWLEDGE:<br>Broadband Report Type: - Modification confin<br>For CONNECTION AVAILABLE:                             | rate (CLP=0+1) < as in SETUP<br>ell rate (CLP=0+1) > as in SETUP<br>mation (0000 0001) |  |
| Node-to-Node<br>cross-reference |  |  |  |
| Comments:                       |  |  |  |
| Pre-test-condition:             | The connection according to 1.2.1.1.1 is already supported all through the network and the resource  | restablished. The Modification Request is<br>rces 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],<br>ETS 300 443-1 [1]  |
|---------------------|---|---|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BWM/NCO/BSE   | - <u>-</u> -  |
| Selection criteria: |   |   |
| Test purpose:       | To verify that the PCRs (CLP=0, CLP=0+1) of a be successfully increased. Confirmation of the r  | a call/connection already in the active state can nodification is requested by the addressed user   |
| Configuration:      | Configuration 1   |   |
| Parameter values:   | For MODIFY REQUEST:<br>ATM Traffic Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cell<br>- Backwar | rate (CLP=0) > as in SETUP<br>ell rate (CLP=0) > as in SETUP<br>rate (CLP=0+1) > as in SETUP<br>ell rate (CLP=0+1) > as in SETUP<br>rmation (0000 0001) |
| Node-to-Node        |   |   |
| cross-reference     |   |   |
| Comments:           |   |   |
| Pre-test-condition: | The connection according to 1.2.1.1.2 is already supported all through the network and the resolution of the resolution   | y established. The Modification Request is<br>urces 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],<br>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<br>be successfully decreased. Confirmation of the<br>user   | call/connection already in the active state can modification is requested by the addressed  |
| Configuration:                  | Configuration 1   |   |
| Parameter values:               | For MODIFY REQUEST:<br>ATM Traffic Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cell<br>- Backward peak cell<br>- Backwar | rate (CLP=0) < as in SETUP<br>ell rate (CLP=0) < as in SETUP<br>rate (CLP=0+1) < as in SETUP<br>ell rate (CLP=0+1) < as in SETUP<br>rmation (0000 0001) |
| Node-to-Node<br>cross-reference |   |   |
| Comments:                       |   |   |
| Pre-test-condition:             | The connection according to 1.2.1.1.2 is already supported all through the network and the resource of the second   | restablished. The Modification Request is<br>rces 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],<br>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:<br>ATM Traffic Descriptor:<br>- PCR: acc. to<br>- Forward pea<br>- Backward p<br>- SCR: acc. to<br>- Forward sus<br>- Backward sus<br>- Backward sus<br>- MBS: acc. to<br>- Forward ma<br>- Backward m | o IXIT<br>ak cell r<br>eak cell<br>o IXIT<br>stainabl<br>ustainab<br>o IXIT<br>ximum<br>aximur | ate (CLP=0+1) > as in SETUP<br>rate (CLP=0+1) > as in SETUP<br>e cell rate (CLP=0+1) > as in SETUP<br>ble cell rate (CLP=0+1) > as in SETUP<br>burst size (CLP=0+1) > as in SETUP<br>n burst size (CLP=0+1) > as in SETUP |  |
|                                 | Broadband Report Type: - Modification  | ype: - Modification confirmation (0000 0001)   |   |  |
|                                 | For CONNECTION AVAILABLE:  |  |   |  |
| Node-to-Node<br>cross-reference |  |  |   |  |
| Comments:                       |  |  |   |  |
| Pre-test-condition:             | The connection according to 1.2.1.1.7 is a<br>supported all through the network and the  | lready<br>resour   | established. The Modification Request is ces 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],<br>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 M   | MBS of a call/connection already in the active                                |  |  |
|                     | state can be successfully decreased. Confirma  | tion 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 cel   | - 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 sustaina   | <ul> <li>Forward sustainable cell rate (CLP=0+1) &lt; as in SETUP</li> </ul>  |  |  |
|                     | - Backward sustair   | - Backward sustainable cell rate (CLP=0+1) < as in SETUP                      |  |  |
|                     | - MDS. acc. to TATT  | - IVIDO, dUU, IU IALL<br>Forward maximum hurst size (CLD, 0, 1), cas in SETUD |  |  |
|                     | - Forward maximu   | - Forward maximum burst size $(CLP=0+1) < as in SETUP$                        |  |  |
|                     | - Backward maximum burst size (CLP=0+1) < as in SETUP  |   |  |  |
|                     | Providend Papert Type: Medification confi  | T AUNINUWLEDGE.   |  |  |
|                     | For CONNECTION AVAILABLE:  |   |  |  |
| Node-to-Node        |  |   |  |  |
| cross-reference     |  |   |  |  |
| Comments:           |  |   |  |  |
| Pre-test-condition: | The connection according to 1.2.1.1.7 is alread supported all through the network and the reso | y established. The Modification Request is urces 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],<br>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:<br>ATM Traffic Descriptor:<br>- PCR: acc. to IXIT<br>- Forward peak cel<br>- Backward peak cel<br>- B | I rate (CLP=0+1) > as in SETUP<br>ell rate (CLP=0+1) > as in SETUP |  |
| Node-to-Node<br>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],<br>ETS 300 443-1 [1]  |
|---------------------|---|--|---|
| TSS reference:      | B_ISDN/BCA/ CS2.1/BWN   | //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:<br>ATM Traffic Descriptor:<br>For MODIFY REJECT:<br>Cause value: # 63   | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak ce</li> <li>SCR: acc. to IXIT</li> <li>Forward sustainat</li> <li>Backward sustainat</li> <li>MBS: acc. to IXIT</li> <li>Forward maximum</li> <li>Backward maximum</li> </ul> | rate (CLP=0+1) > as in SETUP<br>ell rate (CLP=0+1) > as in SETUP<br>ole cell rate (CLP=0+1) > as in SETUP<br>able cell rate (CLP=0+1) > as in SETUP<br>in burst size (CLP=0+1) > as in SETUP<br>im burst size (CLP=0+1) > as in SETUP |
| Node-to-Node        |   |  |   |
| cross-reference     |   |  |   |
| Comments:           |   |  |   |
| Pre-test-condition: | The connection according supported all through the r  | to 1.2.1.1.7 is already<br>network and the resou   | r established. The Modification Request is<br>irces 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],<br>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 para                                   | ameters can be established successfully using                                   |  |
|                     | bearer class C. AAL parar   | neters are also preser                                   | it  |  |
| Configuration:      | Configuration 1   |  |   |  |
| Parameter values:   | For SETUP:  |  |   |  |
|                     | B-BC:   | - BCOB-C,  |   |  |
|                     |   | - BTC: 000 1100  |   |  |
|                     |   | <ul> <li>Not susceptible to</li> </ul>                   | clipping,   |  |
|                     |   | - User plane connec                                      | ction configuration: point-to-point: 00   |  |
|                     | AAL Parameters:   | eters: - AAL type 5                                      |   |  |
|                     |   | - Forward maximum  | CPCS-SDU size: acc. to IXI1   |  |
|                     |   | - Backward maximu  | m CPCS-SDU size: acc. to IXII   |  |
|                     | APP Setup Decemptore  | - SSUS-type  |   |  |
|                     | ABR Setup Farameters.   | - FUIWallu ADR IIIllia                                   | a cell rate (CLP = 0+1), acc. to $1\times11$                                    |  |
|                     |   | - Eorward ABR tran                                       | signt buffer exposure : acc. to IXIT  |  |
|                     |   | - Backward ABR tra                                       | nsient buffer exposure : acc. to IXIT   |  |
|                     |   | - Cumulative RM fix                                      | ed round-trip time: acc. to IXIT  |  |
|                     |   | - Forward rate incre                                     | ase factor: acc. to IXIT  |  |
|                     |   | - Backward rate incl                                     | rease factor: acc. to IXIT  |  |
|                     |   | - Forward rate decre                                     | ease factor: acc. to IXIT   |  |
|                     |   | - Backward rate decrease factor: acc. to IXIT            |   |  |
|                     | ATM Traffic Descriptor:   | raffic Descriptor: - PCR: acc. to IXIT                   |   |  |
|                     |   | <ul> <li>Forward peak cell</li> </ul>                    | rate (CLP=0+1)  |  |
|                     |   | <ul> <li>Backward peak ce</li> </ul>                     | Il rate (CLP=0+1)   |  |
|                     |   | - Forward ABR mini                                       | mum cell rate (CLP=0+1): acc. to IXIT   |  |
|                     |   | - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT |   |  |
|                     | QoS:  | - Unspecified QoS of                                     | class   |  |
|                     | FOR CONNECT:  | Forward APD initia                                       |   |  |
|                     | ABR Setup Parameters.   | - FOIWard ADK Initia<br>Rooky APR initial                | al cell rate (CLP = 0+1), acc. to IXIT  |  |
|                     |   | - Earward ABR tran                                       | signt buffer exposure: acc. to $IXIT$   |  |
|                     |   | - Rackward ABR tra                                       | nsient buffer exposure: acc. to IXIT  |  |
|                     |   | - Cumulative RM fix                                      | ed round-trip time: acc. to IXIT  |  |
|                     |   | - Forward rate incre                                     | ase factor: acc. to IXIT  |  |
|                     |   | - Backward rate incl                                     | rease factor: acc. to IXIT  |  |
|                     |   | - Forward rate decre                                     | ease factor: acc. to IXIT   |  |
|                     |   | - Backward rate dec                                      | crease factor: acc. to IXIT   |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to IXIT                                      |   |  |
|                     |   | <ul> <li>Forward peak cell</li> </ul>                    | rate (CLP=0+1)  |  |
|                     | - Backward peak cell rate (CLP=0+1)<br>- Forward ABR minimum cell rate (CLF |  | II rate (CLP=0+1)   |  |
|                     |   |  | mum cell rate (CLP=0+1): acc. to IXIT   |  |
|                     |   | <ul> <li>Backward ABR mi</li> </ul>                      | nimum cell rate (CLP=0+1): acc. to IXIT   |  |
| Comments:           |   |  |   |  |
| Bro-tost-condition  | En bloc sending is used   |  |   |  |
|                     | LI DIOC SCHUILING IS USED   |  |   |  |

| 1.2.7.1.2           | Ref. to EN 301 068-1 [21] / clause 3   |   | Other relevant ref.: ETS 300 443-1 [1],<br>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 |   |   |  |
| Configuration       | Dearer class C. AAL paran  | neters are not present  |   |  |
| Configuration:      |  |   |   |  |
| Parameter values:   |  |   |   |  |
|                     |  | - BCC: 000 1100<br>- Not susceptible to clipping  |   |  |
|                     | ABR Setup Parameters:  | <ul> <li>User plane connection configuration: point-to-point: 00</li> <li>Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT</li> <li>Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT</li> <li>Forward ABR transient buffer exposure: acc. to IXIT</li> <li>Backward ABR transient buffer exposure: acc. to IXIT</li> <li>Cumulative RM fixed round-trip time: acc. to IXIT</li> <li>Forward rate increase factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> <li>Forward rate decrease factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> <li>Forward rate decrease factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT</li> </ul> |   |  |
|                     | ATM Traffic Descriptor:  |   |   |  |
|                     | QoS:<br>For CONNECT:   | - Unspecified QoS of  | lass  |  |
|                     | ABR Setup Parameters:  | <ul> <li>Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT</li> <li>Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT</li> <li>Forward ABR transient buffer exposure: acc. to IXIT</li> <li>Backward ABR transient buffer exposure: acc. to IXIT</li> <li>Cumulative RM fixed round-trip time: acc. to IXIT</li> <li>Forward rate increase factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> </ul>   |   |  |
|                     | ATM Traffic Descriptor:  | <ul> <li>PCR: acc. to IXIT</li> <li>Forward peak cell</li> <li>Backward peak ce</li> <li>Forward ABR mini</li> <li>Backward ABR mi</li> </ul>   | rate (CLP=0+1)<br>Il rate (CLP=0+1)<br>mum cell rate (CLP=0+1): acc. to IXIT<br>nimum cell rate (CLP=0+1): acc. to IXIT |  |
| <b>O</b>            |  |   |   |  |
| Comments:           |  |   |   |  |
| Pre-test-condition: | I En ploc 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],<br>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  |   |  |  |
|   |  | <ul> <li>Not susceptible to clipping,</li> <li>User plane connection configuration: point-to-point: 00</li> </ul>  |   |  |  |
|   |  |  |   |  |  |
|   | AAL Parameters:  | - AAL type 5   |   |  |  |
|   |  | <ul> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> <li>Backward maximum CPCS-SDU size: acc. to IXIT</li> <li>SSCS-type</li> <li>Forward APP initial cell rate (CLP = 0.11); acc. to IXIT</li> </ul> |   |  |  |
|   |  |  |   |  |  |
|   | ABD Satur Daramatara   |  |   |  |  |
|   | ABR Setup Parameters.  | - FORWARD ADK INITIAL CENTRIE (CLP = $0+1$ ): acc. to IXIT   |   |  |  |
|   |  | <ul> <li>Backw. ABR Initial cell rate (CLP = 0+1). acc. to IXIT</li> <li>Forward ABR transient buffer exposure: acc. to IXIT</li> <li>Backward ABR transient buffer exposure: acc. to IXIT</li> </ul>      |   |  |  |
|   |  |  |   |  |  |
|   |  | - 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 dee  | crease factor: acc. to IXIT   |  |  |
|   | ATM Traffic Descriptor:  |  |   |  |  |
|   |  | <ul> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT</li> </ul>   |   |  |  |
|   |  |  |   |  |  |
|   |  |  |   |  |  |
|   | - Backward ABR minimum cell rate (CLP=0+   |  | inimum cell rate (CLP=0+1): acc. to IXIT  |  |  |
|   | QoS:   | - Unspecified QoS class  |   |  |  |
|   | For CONNECT:   |  |   |  |  |
| ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+ |  | al cell rate (CLP = $0+1$ ): acc. to IXII  |   |  |  |
|   |  | - Backw. ABR Initia  | I cell rate (CLP = $0+1$ ): acc. to IXII  |  |  |
|   |  | - Forward ABR tran   | Islent buffer exposure: acc. to IXII  |  |  |
|   |  | - Dackwaru ADR IIa   | ansient buller exposure. acc. to IXIT   |  |  |
|   |  | - Cumulative Riving  | ase factor: acc. to IXIT  |  |  |
|   |  | - Rackward rate inc  | rease factor: acc. to IXIT  |  |  |
|   |  | - Forward rate decr  | ease factor: acc. to IXIT   |  |  |
|   |  | - Backward rate de   | crease factor: acc. to IXIT   |  |  |
|   | ATM Traffic Descriptor:  | - PCR; acc. to IXIT  |   |  |  |
|   |  | - Forward peak cell  | rate (CLP=0+1)  |  |  |
|   |  | - Backward peak ce   | ell rate (CLP=0+1)  |  |  |
|   |  | - Forward ABR min  | imum cell rate (CLP=0+1): acc. to IXIT  |  |  |
|   |  | - Backward ABR mi  | inimum cell rate (CLP=0+1): acc. to IXIT  |  |  |
|   |  |  |   |  |  |
| Comments:   |  |  |   |  |  |
| Pro-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],<br>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  |   |  |  |
|                     |  | <ul> <li>Not susceptible to</li> </ul>   | clipping,   |  |  |
|                     |  | - User plane connec  | ction configuration: point-to-point: 00   |  |  |
|                     | ABR Setup Parameters:  | - Forward ABR initia   | al cell rate (CLP = $0+1$ ): acc. to IXIT                                       |  |  |
|                     |  | - Backw. ABR initial   | cell rate (CLP = $0+1$ ): acc. to IXII  |  |  |
|                     |  | <ul> <li>Forward ABR transient buffer exposure: acc. to IXIT</li> <li>Backward ABR transient buffer exposure: acc. to IXIT</li> <li>Cumulative RM fixed round-trip time: acc. to IXIT</li> <li>Forward rate increase factor: acc. to IXIT</li> <li>Backward rate increase factor: acc. to IXIT</li> <li>Forward rate decrease factor: acc. to IXIT</li> <li>Backward rate decrease factor: acc. to IXIT</li> </ul> |   |  |  |
|                     |  |  |   |  |  |
|                     |  |  |   |  |  |
|                     |  |  |   |  |  |
|                     |  |  |   |  |  |
|                     |  |  |   |  |  |
|                     | ATM Traffic Descriptor:  | - Daurwalu late decrease laciol, acc. to IATT  |   |  |  |
|                     | ATM Traine Descriptor.   | = Forward peak cell rate (CLP=0, 1)  |   |  |  |
|                     |  | - Backward peak ce   | rate (CI P=0+1)   |  |  |
|                     |  | - Forward ABR mini   | mum cell rate (CLP=0+1): acc. to $IXIT$   |  |  |
|                     |  | - Backward ABR mi  | nimum cell rate (CI $P=0+1$ ): acc. to IXIT                                     |  |  |
|                     | QoS:   | - Unspecified QoS class  |   |  |  |
|                     | For CONNECT:   |  |   |  |  |
|                     | ABR Setup Parameters:  | - Forward ABR initia   | al cell rate (CLP = 0+1): acc. to IXIT  |  |  |
|                     |  | - Backw. ABR initial   | cell rate (CLP = 0+1): acc. to IXIT   |  |  |
|                     |  | - Forward ABR tran   | sient buffer exposure: acc. to IXIT   |  |  |
|                     |  | - Backward ABR tra   | insient buffer exposure: acc. to IXIT   |  |  |
|                     |  | - Cumulative RM fix  | ed round-trip time: acc. to IXIT  |  |  |
|                     |  | <ul> <li>Forward rate incre</li> </ul>   | ase factor: acc. to IXIT  |  |  |
|                     |  | <ul> <li>Backward rate incl</li> </ul>   | rease factor: acc. to IXIT  |  |  |
|                     |  | <ul> <li>Forward rate decrease</li> </ul>  | ease factor: acc. to IXIT   |  |  |
|                     |  | - Backward rate dec  | crease factor: acc. to IXIT   |  |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to IXIT  |   |  |  |
|                     |  | - Forward peak cell  | rate (CLP=0+1)  |  |  |
|                     |  | - Backward peak ce   | Il rate (CLP=0+1)   |  |  |
|                     |  | - Forward ABR mini   | mum cell rate (CLP=0+1): acc. to IXIT   |  |  |
|                     |  | - Backward ABR mi  | nimum cell rate (CLP=0+1): acc. to IXIT   |  |  |
| O among and as      |  |  |   |  |  |
| Comments:           |  |  |   |  |  |
| Pre-test-condition: | En bloc sending is used  |  |   |  |  |

| 1.2.7.2.1           | Ref. to EN 301 068-1 [21] / clause 3   |   | Other relevant ref.: ETS 300 443-1 [1],<br>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   |   |  |  |
|                     |  | <ul> <li>Not susceptible to clipping,</li> </ul>  |   |  |  |
|                     |  | <ul> <li>User plane connection configuration: point-to-point: 00</li> <li>AAL type 5</li> </ul> |   |  |  |
|                     | AAL Parameters:  |   |   |  |  |
|                     |  | <ul> <li>Forward maximum CPCS-SDU size: acc. to IXIT</li> </ul>                                 |   |  |  |
|                     |  | - Backward maximum CPCS-SDU size: acc. to IXIT  |   |  |  |
|                     |  | - SSCS-type   |   |  |  |
|                     | ABR Setup Parameters:  | al 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 IXII   |   |  |  |
|                     |  | - Forward rate increase factor: acc. to IXII  |   |  |  |
|                     |  | - Backward rate increase factor: acc. to IXII   |   |  |  |
|                     |  | - Forward rate decr   |   |  |  |
|                     | ATM Troffic Decoriptor:  |   |   |  |  |
|                     | ATM Trailic Descriptor.  | - FOR. acc. to IATI   | rate (CLP-0+1)  |  |  |
|                     |  | - Rackward peak cell  | $\frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1}$                         |  |  |
|                     |  | - Earward ABR min   | (OLI = 0 + 1)   |  |  |
|                     |  | - Backward ABR mi   | inimum cell rate (CLP=0+1): acc. to IXIT  |  |  |
|                     | OoS <sup>.</sup>   | - Unspecified OoS   |   |  |  |
|                     | 400.   |   | 5,400   |  |  |
| Comments:           |  |   |   |  |  |
| Pre-test-condition: | The destination user is no   | t able to provide the P   | CR with a value greater than or equal to MCR                                    |  |  |
|                     | requested by the originating user  |   |   |  |  |

## 5.2.6.2 Unsuccessful Call Setup (UCS)/Bearer Services (BSE)
# 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 /<br>se E 2 1  | Other relevant ref.:                                      |
|---------------------|---|---|---|
| TSS reference:      | B ISDN/IW/BCA/BNC/NC  | 0   |   |
| Selection criteria: |   | •   |   |
| Test purpose:       | To verify that a call for an between B-ISDN (originate  | N-ISDN service (3,1 k<br>or) and N-ISDN.  | Hz audio) can be established successfully                 |
| Configuration:      | Configuration 3   |   |   |
| Parameter values:   | For SETUP:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>N-BC:<br>QoS:<br>a) B-SCI: | <ul> <li>AAL type 1</li> <li>Equal to 64 kbit/s</li> <li>BCOBA</li> <li>Susceptible to clip</li> <li>3,1 kHz Audio</li> <li>Circuit mode</li> <li>64 kbit/s</li> <li>A-law</li> <li>Unspecified QoS of</li> </ul> | ping<br>class   |
| Node-to-Node        |   |   |   |
| cross-reference     |   |   |   |
| Comments:           | 3,1 kHz audio call from E   | 3-ISDN to N-ISDN  |   |
| Pre-test-condition: | a) En bloc sending is used  | 1.<br>  |   |
|                     | b) Overlap sending is used<br>The called party answers  | d. (This test only, if B-<br>with ALERT followed b  | SUP also supports overlap sending)<br>by CONNECT message. |

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

| 21113               | Pof. to ETS 300 443                  |                       | Other relevant ref :                          |
|---------------------|--------------------------------------|-----------------------|---|
| 2.1.1.1.5           | anney E clau                         | F 2 3                 | Other relevant ren.                           |
| TOO materia and     |                                      |                       |   |
| 155 reference:      | B_ISDN/IW/BCA/BNC/NC                 | .0                    |   |
| Selection criteria: |                                      |                       |   |
| Test purpose:       | To verify that a call for an         | N-ISDN service (telep | hony) can be established successfully between |
|                     | B-ISDN (originator) and N            | I-ISDN.               |   |
| Configuration:      | Configuration 3                      |                       |   |
| Parameter values:   | For SETUP:                           |                       |   |
|                     | AAL Parameters:                      | - AAL type 1          |   |
|                     | ATM Traffic Descriptor:              | - Equal to 64 kbit/s  |   |
|                     | B-BC:                                | - BĊOBA               |   |
|                     | _                                    | - Susceptible to clip | pina  |
|                     | N-BC:                                | - Speech              | 1 5   |
|                     |                                      | - 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<br>annex E clau                  | -1 [1] / clause 6 /<br>use E.2.4        | Other relevant ref.:                      |
|---------------------|--|---|---|
| TSS reference:      | B_ISDN/IW/BCA/BNC/NO                                 | 00                                      |   |
| Selection criteria: |  |   |   |
| Test purpose:       | To verify that a call for an                         | N-ISDN service (video                   | otelephony/first call) can be established |
|                     | successfully between B-I                             | SDN (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                                 |   |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | ping                                      |
|                     | N-BC:  | - UDI T/A                               |   |
|                     |  | <ul> <li>Circuit mode</li> </ul>        |   |
|                     |  | - 64 kbit/s                             |   |
|                     |  | - ITU-T Recommen                        | dation H.221 [27] and H.242 [28]          |
|                     | N-HLC:   | <ul> <li>Videotelephony</li> </ul>      |   |
|                     | 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 I                   | by CONNECT message.                       |

| 2.1.1.1.5           | Ref. to ETS 300 443-1<br>annex  | l [1] / clause 6 /<br>E          | Other relevant ref.: EG 201 018 [5] |
|---------------------|---|----------------------------------|-------------------------------------|
| TSS reference:      | B_ISDN/IW/BCA/BNC/NC  | 0                                |                                     |
| 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 clip            | ping                                |
|                     | N-BC:   | - UDI                            |                                     |
|                     |   | <ul> <li>Circuit mode</li> </ul> |                                     |
|                     |   | - 64 kbit/s                      |                                     |
|                     | N-HLC:  | - Videotelephony                 |                                     |
|                     | QoS:  | - Unspecified QoS of             | 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 w  | with ALERT followed b            | by CONNECT message.                 |

| 2.1.1.1.6           | Ref. to ETS 300 443-         | 1 [1] / clause 6 /               | Other relevant ref.: EG 201 018 [5]    |  |
|---------------------|------------------------------|----------------------------------|--|--|
|                     | annex                        | E                                |  |  |
| TSS reference:      | B_ISDN/IW/BCA/BNC/NC         | 0                                |  |  |
| Selection criteria: |                              |                                  |  |  |
| Test purpose:       | To verify that a call for an | N-ISDN service (telefa           | ax G4) can be established successfully |  |
|                     | between B-ISDN (originat     | or) 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 clip            | ping                                   |  |
|                     | N-BC:                        | - UDI                            |  |  |
|                     |                              | <ul> <li>Circuit mode</li> </ul> |  |  |
|                     |                              | - 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    | m B-ISDN to N-ISDN               |  |  |
| Pre-test-condition: | En bloc sending is used.     |                                  |  |  |
|                     | The called party answers     | with ALERT followed I            | by CONNECT message.                    |  |

| 2.1.1.1.7           | Ref. to ETS 300 443-<br>annex  | 1 [1] / clause 6 /<br>E   | Other relevant ref.: EG 201 018 [5]               |
|---------------------|--|---|---|
| TSS reference:      | B_ISDN/IW/BCA/BNC/NC   | 0   |   |
| 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:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>N-BC:<br>N-BC:<br>N-HLC:<br>QoS:<br>B-SCI:                      | <ul> <li>AAL type 1</li> <li>Equal to 64 kbit/s</li> <li>BCOBA</li> <li>Susceptible to clip</li> <li>UDI T/A</li> <li>Circuit mode</li> <li>64 kbit/s</li> <li>ITU-T Recomment</li> <li>Telephony</li> <li>Unspecified QoS comment</li> </ul> | ping<br>dation H.221 [27] and H.242 [28]<br>class |
| Node-to-Node        |  |   |   |
| cross-reference     |  |   |   |
| Comments:           | Telephony 7 kHz call from B-ISDN to N-ISDN   |   |   |
| Pre-test-condition: | En bloc sending is used.<br>The called party answers with ALERT followed by CONNECT message.   |   |   |

| 21110               | Dof. to ETS 200 442                            | 1 [1] / olouco 6 /    | Other relevant ref : EG 201 019 [5]             |
|---------------------|--|-----------------------|---|
| 2.1.1.1.0           | Rel. 10 E13 300 443-                           |                       | Other relevant ref., EG 201 016 [5]             |
|                     | annex  | E                     |   |
| TSS reference:      | B_ISDN/IW/BCA/BNC/NC                           | 0                     |   |
| Selection criteria: |  |                       |   |
| Test purpose:       | To verify that a call for an                   | N-ISDN service (facsi | mile group 2/3) can be established successfully |
|                     | between B-ISDN (originat                       | or) 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:  | - BĊOBA               |   |
|                     | _  | - Susceptible to clip | ping  |
|                     | N-BC <sup>.</sup>                              | - 3.1 kHz audio       | F···9   |
|                     | 11 00.   | - Circuit mode        |   |
|                     |  | 64 kbit/c A low       |   |
|                     | NULLO  | - 04 KDIUS, A-law     | 10  |
|                     | N-HLC:   | - Facsimile Group 2   | /3  |
|                     | QoS:   | - Unspecified QoS of  | 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 b | 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/UC        | S                      |   |
| Selection criteria: |                             |                        |   |
| Test purpose:       | To verify that a Basic call | will be released succe | ssfully 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:                       | - BĊOBA                |   |
|                     |                             | - Susceptible to clip  | ping  |
|                     | N-BC:                       | - UDI                  | 5   |
|                     |                             | - Circuit mode         |   |
|                     |                             | - 64 kbit/s            |   |
|                     | QoS:                        | - Unspecified QoS of   | lass  |
|                     | B-SCI:                      |                        |   |
| Node-to-Node        |                             |                        |   |
| cross-reference     |                             |                        |   |
| Comments:           | Mapping of cause value      | #1 (unallocated num    | ber) from N-ISDN to B-ISDN                  |
| Pre-test-condition: | En bloc sending is used.    |                        |   |

| ISDN/IW/BCA/BNC/UCS          |  |   |
|------------------------------|--|---|
|                              | 1  |   |
|                              | 5  |   |
|                              |  |   |
| o verify that a Basic call v | vill be released succe   | ssfully using cause # 3 when there is no route  |
| destination.                 |  |   |
| onfiguration 3               |  |   |
| or SETUP:                    |  |   |
| AL Parameters:               | - AAL type 1   |   |
| TM Traffic Descriptor:       | - Equal to 64 kbit/s   |   |
| -BC:                         | - BCOBA  |   |
|                              | - Susceptible to clip  | ping  |
| -BC <sup>.</sup>             | - UDI  | 5   |
|                              | - Circuit mode   |   |
|                              | - 64 kbit/s  |   |
| oS <sup>.</sup>              | - Unspecified OoS c  | lass  |
| -SCI:                        |  |   |
|                              |  |   |
|                              |  |   |
| apping of cause value #      | #3 (no route to desti  | nation) from N-ISDN to B-ISDN   |
| n bloc sending is used       | •  | ·   |
|                              | o verify that a Basic call v<br>destination.<br>onfiguration 3<br>or SETUP:<br>AL Parameters:<br>IM Traffic Descriptor:<br>BC:<br>BC:<br>SCI:<br>SCI:<br>apping of cause value #<br>b bloc sending is used | o verify that a Basic call will be released succe<br>destination.<br>onfiguration 3<br>or SETUP:<br>AL Parameters: - AAL type 1<br>FM Traffic Descriptor: - Equal to 64 kbit/s<br>BC: - BCOBA<br>- Susceptible to clip<br>BC: - UDI<br>- Circuit mode<br>- 64 kbit/s<br>oS: - Unspecified QoS of<br>SCI:<br>apping of cause value #3 (no route to desting<br>bloc sending is used |

| 21122               | Bof to ETS 200 442 1        |                        | Other relevant ref , ETS 200 695 [4]            |
|---------------------|-----------------------------|------------------------|---|
| 2.1.1.2.3           | Rel. 10 E13 300 443-1       | [1]/ clause 0.3.5      | Other relevant ref., ETS 500 665 [4]            |
| TSS reference:      | B_ISDN/IW/BCA/BNC/UC        | S                      |   |
| Selection criteria: |                             |                        |   |
| Test purpose:       | To verify that a Basic call | will be released succe | ssfully 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:                       | - BĊOBA                |   |
|                     |                             | - Susceptible to clip  | ping  |
|                     | N-BC:                       | - UDI                  |   |
|                     |                             | - Circuit mode         |   |
|                     |                             | - 64 kbit/s            |   |
|                     | QoS:                        | - Unspecified QoS      | class   |
|                     | B-SCI:                      | 1                      |   |
| 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/UC        | CS                               |  |
| Selection criteria: |                             |                                  |  |
| Test purpose:       | To verify that a Basic call | will be released succe           | ssfully 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 clip            | ping   |
|                     | N-BC:                       | - UDI                            |  |
|                     |                             | <ul> <li>Circuit mode</li> </ul> |  |
|                     |                             | - 64 kbit/s                      |  |
|                     | QoS:                        | - Unspecified QoS                | class  |
|                     | B-SCI:                      |                                  |  |
| Node-to-Node        |                             |                                  |  |
| cross-reference     |                             |                                  |  |
| Comments:           | Mapping of cause value      | #18 (no user respon              | ding) 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/UC        | S                                       |   |
| Selection criteria: |                             |   |   |
| Test purpose:       | To verify that a Basic call | will be released succe                  | ssfully using cause # 19 when the T9/Q.764 or |
|                     | the local network timer T 3 | 301 expired                             |   |
| Configuration:      | Configuration 3             |   |   |
| Parameter values:   | For SETUP:                  |   |   |
|                     | AAL Parameters:             | <ul> <li>AAL for voice</li> </ul>       |   |
|                     | ATM Traffic Descriptor:     | - Equal to 64 kbit/s                    |   |
|                     | B-BC:                       | - BCOBA                                 |   |
|                     |                             | <ul> <li>Susceptible to clip</li> </ul> | ping  |
|                     | N-BC:                       | - Speech                                |   |
|                     |                             | <ul> <li>Circuit mode</li> </ul>        |   |
|                     |                             | - 64 kbit/s                             |   |
|                     |                             | - A-law                                 |   |
|                     | N-HLC:                      | - Telephony                             |   |
|                     | QoS:                        | <ul> <li>Unspecified QoS of</li> </ul>  | 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/UC        | CS                       | • •  |
| Selection criteria: |                             |                          |  |
| Test purpose:       | To verify that a Basic call | will be released succe   | ssfully 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:                       | - BĊOBA                  |  |
|                     |                             | - Susceptible to clip    | ping   |
|                     | N-BC:                       | - UDI                    |  |
|                     |                             | - Circuit mode           |  |
|                     |                             | - 64 kbit/s              |  |
|                     | QoS:                        | - Unspecified QoS of     | class  |
|                     | B-SCI:                      | •                        |  |
| Node-to-Node        |                             |                          |  |
| cross-reference     |                             |                          |  |
| Comments:           | Mapping of cause value      | #21 (call rejected) from | om N-ISDN to B-ISDN                            |
| Pre-test-condition: | En bloc sending is used.    | The called party rejects | s 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/UC        | S                                |   |
| Selection criteria: |                             |                                  |   |
| Test purpose:       | To verify that a Basic call | will be released succe           | ssfully 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:                       | - BĊOBA                          |   |
|                     |                             | - Susceptible to clip            | ping                                      |
|                     | N-BC:                       | - UDI                            |   |
|                     |                             | <ul> <li>Circuit mode</li> </ul> |   |
|                     |                             | - 64 kbit/s                      |   |
|                     | QoS:                        | - Unspecified QoS of             | class                                     |
|                     | B-SCI:                      |                                  |   |
| Node-to-Node        |                             |                                  |   |
| cross-reference     |                             |                                  |   |
| Comments:           | Mapping of cause value      | #22 (number change               | ed) 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/UC        | S                                       |   |
| Selection criteria: |                             |   |   |
| Test purpose:       | To verify that a Basic call | will be released succe                  | ssfully 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                                 |   |
|                     |                             | <ul> <li>Susceptible to clip</li> </ul> | ping                                      |
|                     | N-BC:                       | - UDI                                   |   |
|                     |                             | <ul> <li>Circuit mode</li> </ul>        |   |
|                     |                             | - 64 kbit/s                             |   |
|                     | QoS:                        | <ul> <li>Unspecified QoS of</li> </ul>  | 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/UC        | S                        |  |
| Selection criteria: |                             |                          |  |
| Test purpose:       | To verify that a Basic call | will be released succe   | ssfully 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:                       | - BĊOBA                  |  |
|                     |                             | - Susceptible to clip    | ping   |
|                     | N-BC:                       | - UDI                    |  |
|                     |                             | - Circuit mode           |  |
|                     |                             | - 64 kbit/s              |  |
|                     | QoS:                        | - Unspecified QoS of     | class  |
|                     | B-SCI:                      |                          |  |
| Node-to-Node        |                             |                          |  |
| cross-reference     |                             |                          |  |
| Comments:           | Mapping of cause value      | #88 (incompatible de     | estination) from N-ISDN to B-ISDN              |
| Pre-test-condition: | En bloc sending is used.    | The called party is inco | mpatible and answers with RELEASE              |
|                     | COMPLETE                    |                          |  |

| 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/NC   | CR   |   |
| Selection criteria:                 |  |  |   |
| Test purpose:                       | To verify that the calling p cause #16 is transported                      | earty can release the cater the cate | all successfully before answer and that the |
| Configuration:                      | Configuration 3  |  |   |
| Configuration:<br>Parameter values: | For SETUP:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>N-BC: | <ul> <li>AAL for voice</li> <li>Equal to 64 kbit/s</li> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Speech</li> <li>Circuit mode</li> <li>64 kbit/s</li> <li>A-law</li> </ul>  | ping  |
|                                     | N-HLC:<br>QoS:<br>B-SCI <sup>:</sup>                                       | <ul> <li>Telephony</li> <li>Unspecified QoS of</li> </ul>  | class                                       |

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

| Node-to-Node<br>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/NC  | R                                       |  |  |
| Selection criteria: |   |   |  |  |
| Test purpose:       | To verify that the calling p  | arty can release the ca                 | all successfully after answer and that the |  |
|                     | cause #16 is transported t  | ransparently                            |  |  |
| Configuration:      | Configuration 3   |   |  |  |
| Parameter values:   | For SETUP:  |   |  |  |
|                     | AAL Parameters:   | <ul> <li>AAL for voice</li> </ul>       |  |  |
|                     | ATM Traffic Descriptor:   | - Equal to 64 kbit/s                    |  |  |
|                     | B-BC:   | - BCOBA                                 |  |  |
|                     |   | <ul> <li>Susceptible to clip</li> </ul> | ping                                       |  |
|                     | N-BC:   | - Speech                                |  |  |
|                     |   | <ul> <li>Circuit mode</li> </ul>        |  |  |
|                     |   | - 64 kbit/s                             |  |  |
|                     |   | - A-law                                 |  |  |
|                     | N-HLC:  | - Telephony                             |  |  |
|                     | QoS:  | <ul> <li>Unspecified QoS of</li> </ul>  | 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 answe                  | ers with ALERT and CONNECT. The calling    |  |
|                     | party sends a RELEASE a   | after receiving a CON                   | NECT                                       |  |

| 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/NO        | CR                                      |  |  |
| Selection criteria: |                             |   |  |  |
| Test purpose:       | To verify that the called p | arty can release the ca                 | all successfully after answer and that the |  |
|                     | cause #16 is transported    | transparently                           |  |  |
| Configuration:      | Configuration 3             |   |  |  |
| Parameter values:   | For SETUP:                  |   |  |  |
|                     | AAL Parameters:             | <ul> <li>AAL for voice</li> </ul>       |  |  |
|                     | ATM Traffic Descriptor:     | - Equal to 64 kbit/s                    |  |  |
|                     | B-BC:                       | - BCOBA                                 |  |  |
|                     |                             | <ul> <li>Susceptible to clip</li> </ul> | pping                                      |  |
|                     | N-BC:                       | - Speech                                |  |  |
|                     |                             | <ul> <li>Circuit mode</li> </ul>        |  |  |
|                     |                             | - 64 kbit/s                             |  |  |
|                     |                             | - A-law                                 |  |  |
|                     | N-HLC:                      | - Telephony                             |  |  |
|                     | QoS:                        | <ul> <li>Unspecified QoS of</li> </ul>  | class                                      |  |
|                     | B-SCI:                      |   |  |  |
| Node-to-Node        |                             |   |  |  |
| cross-reference     |                             |   |  |  |
| Comments:           | Mapping of cause value      | #16 (normal call clea                   | aring) from N-ISDN to B-ISDN               |  |
| Pre-test-condition: | En bloc sending is used.    | The called party answe                  | ers with ALERT and CONNECT followed by a   |  |
|                     | DIGGONNEOT                  |   |  |  |

## 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 /<br>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) ca (originator) and B-ISDN.     | n be established successfully between N-ISDN |
| Configuration:                  | Configuration 3   |  |
| Parameter values:               | For SETUP:<br>BC: - 3,1 kHz Audio<br>- Circuit mode<br>- 64 kbit/s<br>- A-law |  |
| Node-to-Node<br>cross-reference |   |  |
| Comments:                       | 3.1 kHz audio call from N-ISDN to B-ISDN                                      |  |
| Pre-test-condition:             | En bloc sending is used.<br>The called party answers with ALERT followed I    | by CONNECT message.                          |

| 2.1.2.1.2           | Ref. to ETS 300 443-1 [1] / clause 6 /             | Other relevant ref.:                           |  |  |
|---------------------|--|--|--|--|
|                     | annex E clause E.3.1                               |  |  |  |
| TSS reference:      | B_ISDN/IW/BCA/NBC/NCO                              | B_ISDN/IW/BCA/NBC/NCO                          |  |  |
| Selection criteria: |  |  |  |  |
| Test purpose:       | To verify that an N-ISDN call (unrestricted digita | l 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-I     | SDN to B-ISDN                                  |  |  |
| Pre-test-condition: | En bloc sending is used.                           |  |  |  |
|                     | The called party answers with ALERT followed I     | by CONNECT message.                            |  |  |

| 2.1.2.1.3           | Ref. to ETS 30                               | 0 443-1 [1] / clause 6 /                             | Other relevant ref.:                   |
|---------------------|--|--|--|
|                     | annex  | E clause E.3.2                                       |  |
| TSS reference:      | B_ISDN/IW/BCA/N                              | BC/NCO   |  |
| Selection criteria: |  |  |  |
| Test purpose:       | To verify that an N-<br>(originator) and B-I | ISDN call (telephony) can be es<br>SDN               | stablished successfully between N-ISDN |
| Configuration:      | Configuration 3                              |  |  |
| Parameter values:   | For SETUP:                                   |  |  |
|                     | BC:  | - Speech<br>- Circuit mode<br>- 64 kbit/s<br>- A-Law |  |
|                     | HLC:   | - Telephony  |  |
| Node-to-Node        |  |  |  |

| 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 /            | Other relevant ref.:                     |
|---------------------|---|--|
|                     | annex E clause E.3.4                              |  |
| TSS reference:      | B_ISDN/IW/BCA/NBC/NCO                             |  |
| Selection criteria: |   |  |
| Test purpose:       | To verify that an N-ISDN call (videotelephony/fir | st 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 Recommen                                  | dation 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 /<br>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/se between N-ISDN (originator) and B-ISDN | econd call) can be established successfully |
| 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   | I to B-ISDN                                 |
| Pre-test-condition: | En bloc sending is used.  |   |
|                     | The called party answers with ALERT followed b  | by CONNECT message.                         |

| 21216               | Ref. to FTS 300        | 143-1 [1] / clause 6 /      | Other relevant ref · EG 201 018 [5]       |
|---------------------|------------------------|-----------------------------|---|
| 2.1.2.1.0           | Kel. to E13 300        |                             |   |
|                     | an                     | nex E                       |   |
| TSS reference:      | B_ISDN/IW/BCA/NBC      | C/NCO                       |   |
| Selection criteria: |                        |                             |   |
| Test purpose:       | To verify that an N-IS | DN call (telefax G4) can be | e established successfully between N-ISDN |
|                     | (originator) and B-ISD | N.                          |   |
| Configuration:      | Configuration 3        |                             |   |
| Parameter values:   | For SETUP:             |                             |   |
|                     | BC:                    | - UDI                       |   |
|                     |                        | - Circuit mode              |   |
|                     |                        | - 64 kbit/s                 |   |
|                     | HLC:                   | - Group 4 class 1 fa        | csimile                                   |
|                     | 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 use | ed.                         |   |
|                     | The called party answ  | ers with ALERT followed I   | ov CONNECT message                        |

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

| 2.1.2.1.8           | Ref. to ETS 300 443-1 [1] / cla        | use 6 /        | Other relevant ref.: EG 201 018 [5]           |
|---------------------|--|----------------|---|
|                     | annex E                                |                |   |
| TSS reference:      | B_ISDN/IW/BCA/NBC/NCO                  |                |   |
| Selection criteria: |  |                |   |
| Test purpose:       | To verify that an N-ISDN call (facsing | nile group 2/3 | 3) can be established successfully between N- |
|                     | ISDN (originator) and B-ISDN           |                |   |
| Configuration:      | Configuration 3                        |                |   |
| Parameter values:   | For SETUP:                             |                |   |
|                     | BC: - 3,1 kH                           | Iz audio       |   |
|                     | - Circui                               | t mode         |   |
|                     | - 64 kbi                               | t/s            |   |
|                     | - A-law                                |                |   |
|                     | HLC: - Facsir                          | nile Group 2   | /3  |
| Node-to-Node        |  |                |   |
| cross-reference     |  |                |   |
| Comments:           | Facsimile Group 2/3 call from N-I      | SDN to B-IS    | DN  |
| Pre-test-condition: | En bloc sending is used.               |                |   |
|                     | The called party answers with ALEF     | RT followed b  | y CONNECT message.                            |

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

| 2.1.22.1            | 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 succes | ssfully 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 num          | ber) 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 succe | ssfully 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 desti       | nation) 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 succe | ssfully 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 succe | essfully 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 respon         | ding) from B-ISDN to N-ISDN                       |
| Pre-test-condition: | En bloc sending is used                            |   |

|                     | the local network timer 1 301 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 succe | ssfully 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 change          | d) 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 succe | essfully 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                            |  |

2.1.2.2.5

TSS reference: Selection criteria: Test purpose:

| 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)

2.1.2.2.9

TSS reference: Selection criteria:

| 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 c cause #16 is transported transparently  | all successfully before answer and that the |  |
| Configuration:                  | Configuration 3  |   |  |
| Parameter values:               | For SETUP:<br>BC: - Speech<br>- Circuit mode<br>- 64 kbit/s<br>- A-Law<br>HLC: - Telephony |   |  |
| Node-to-Node<br>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 answer<br>DISCONNECT after receiving an ALERT    | ers with ALERT. The calling party sends a   |  |

| 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 clo      | earing) from N-ISDN to B-ISDN               |
| Pre-test-condition: | En bloc sending is used. The called party answ   | vers with ALERT and CONNECT. The calling    |
|                     | party sends a DISCONNECT after receiving a       | CONNECT                                     |

| 2.1.2.3.3           | Ref. to ETS 300 44                | 3-1 [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         | d party can release the ca       | all successfully after answer and that the |
|                     | cause #16 is transported          | ed transparently                 |  |
| Configuration:      | Configuration 3                   |                                  |  |
| Parameter values:   | For SETUP:                        |                                  |  |
|                     | BC:                               | - Speech                         |  |
|                     |                                   | <ul> <li>Circuit mode</li> </ul> |  |
|                     |                                   | - 64 kbit/s                      |  |
|                     |                                   | - A-Law                          |  |
|                     | HLC:                              | - Telephony                      |  |
| Node-to-Node        |                                   |                                  |  |
| cross-reference     |                                   |                                  |  |
| Comments:           | Mapping of cause va               | ue #16 (normal call clea         | aring) from B-ISDN to N-ISDN               |
| Pre-test-condition: | En bloc sending is use<br>RELEASE | d. The called party answ         | ers with ALERT and CONNECT followed by a   |

## 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 pa                             | arty number paramete                    | r CLI (network provided) without calling party   |
|                     | sub-address is present at t                               | the destination access                  | b. 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 of                    | class  |
|                     | AAL Parameters:   | - AAL 1                                 |  |
|                     | N-BC:   | <ul> <li>acc. to IXIT</li> </ul>        |  |
|                     | Calling party number:                                     | <ul> <li>wrong calling party</li> </ul> | / 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. T                                | he requested CLIP se                    | ervice is supported at the destination exchange. |
|                     | Origination access provide                                | es a wrong calling part                 | y 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  | arty number paramete<br>the destination access   | er CLI (network provided) without calling party s. The origination access provides no calling |
| Configuration:                  | Configuration 1  |  |   |
| Parameter values:               | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>Calling party number:  | <ul> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS of</li> <li>AAL 1</li> <li>acc. to IXIT</li> <li>no calling party nu</li> </ul> | ping<br>class<br>imber  |
| Node-to-Node<br>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.<br>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/CLIF  | )                                       |   |
| Selection criteria: |  |   |   |
| Test purpose:       | To verify that the calling party number parameter CLI (network provided) including calling party |   |   |
|                     | sub-address are present a  | at the destination acce                 | ess. The origination access provides no calling |
|                     | party number but calling p   | arty 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:  | <ul> <li>no calling party nu</li> </ul> | Imber   |
|                     | 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/CLIF                        | )                                      |   |
| Selection criteria: |  |  |   |
| Test purpose:       | To verify that the CLI (use                  | r provided, verified an                | d 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:   | <ul> <li>Unspecified QoS of</li> </ul> | class   |
|                     | AAL Parameters:                              | - AAL 1                                |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |   |
|                     | Calling party number:                        | - correct number (us                   | ser 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 se                  | ervice 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 (use  | r provided, verified and         | d passed) including calling party sub-address   |
|                     | are present at the destinat  | ion 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:  | <ul> <li>acc. to IXIT</li> </ul> |   |
|                     | Calling party number:  | - correct number (us             | ser provided) acc. to IXIT                      |
|                     | Calling party sub-addr.:   | <ul> <li>acc. to IXIT</li> </ul> |   |
| 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. T   | he requested CLIP se             | ervice 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 (netw   | work provided) and the  | e additional CLI (user provided, not screened) |  |
|                     | including the calling party  | sub-address are pres  | ent at the destination access                  |  |
| Configuration:      | Configuration 1  |   |  |  |
| Parameter values:   | For SETUP:   |   |  |  |
|                     | B-BC:  | - BCOBA   |  |  |
|                     |  | - Susceptible to clipping                                       |  |  |
|                     | ATM Traffic Descriptor:  | riptor: - Equal to 64 kbit/s                                    |  |  |
|                     | QoS:   | - Unspecified QoS   | class  |  |
|                     | AAL Parameters:  | - AAL 1   |  |  |
|                     | N-BC:  | - acc. to IXIT  |  |  |
|                     | Calling party number:  | <ul> <li>correct number (user provided) acc. to IXIT</li> </ul> |  |  |
|                     | Calling party sub-addr.:   | <ul> <li>acc. to IXIT</li> </ul>                                |  |  |
| 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   | ce and the "Two-callin  | g party number information elements delivery   |  |
|                     | option" are supported at th  | e destination exchan  | ge   |  |

| 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 (use present at the destination not present at the destination   | r provided, not screen<br>access. The second c<br>ion access  | ed) including the calling party sub-address are<br>alling party number i. e. (network provided) is       |
| Configuration:      | Configuration 1   |   |  |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>Calling party number:<br>Calling party sub-addr.: | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT<br>- correct number (u<br>- acc. to IXIT | pping<br>class<br>ser provided) acc. to IXIT   |
| Node-to-Node        |   |   |  |
| cross-reference     | <u></u>   |   |  |
| Comments:           | CLIP - user provided, not screened with calling party sub-address   |   |  |
| Pre-test-condition: | En bloc sending is used. T<br>The requested CLIP service<br>party number information e  | The "No screening fun<br>ce is supported at the<br>elements delivery opti   | ction" is supported at the originating exchange.<br>destination exchange but not the "Two-calling<br>on" |

| 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/CLIF   | <b>D</b>  | ·  |
| Selection criteria:             |   |   |  |
| Test purpose:                   | To verify that the CLI (net failed) including the calling   | work provided) and the g party sub-address and  | e additional CLI (user provided, verified and re present at the destination access |
| Configuration:                  | Configuration 1   |   |  |
| Parameter values:               | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>Calling party number:<br>Calling party sub-addr.: | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS<br>- AAL 1<br>- acc. to IXIT<br>- <b>incorrect</b> number<br>- acc. to IXIT | oping<br>class<br>· (user provided) acc. to IXIT                                   |
| Node-to-Node<br>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 <b>not</b> 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 including the calling party numbers are presented in  | work provided) and the<br>sub-address are present<br>the international form   | e additional CLI (user provided, not screened)<br>ent at the destination access and that both<br>at    |
| Configuration:      | Configuration 1   |   |  |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>Calling party number:<br>Calling party sub-addr.: | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT<br>- correct number (u<br>- acc. to IXIT | ping<br>class<br>ser provided) acc. to IXIT  |
| Node-to-Node        |   |   |  |
| Cross-reference     |   | ananal internetion  |  |
| Comments:           | CLIP - user provided, not screened, international call with calling party sub-address.  |   |  |
| Pre-test-condition: | En bloc sending is used. I<br>The requested CLIP servic<br>option" are supported at th  | he "No screening fun<br>ce and the "Two-callin<br>ne destination exchang  | ction" is supported at the originating exchange.<br>g party number information elements delivery<br>ge |

| 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/CLIF   | )  |  |
| Selection criteria: |   |  |  |
| Test purpose:       | To verify that CLI (user propresent at the destination e. (network provided) is not   | ovided, not screened)<br>access in the internati<br>ot present at the destir   | including the calling party sub-address are<br>ional format. The second calling party number i.<br>nation access |
| Configuration:      | Configuration 1   |  |  |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>Calling party number:<br>Calling party sub-addr.: | <ul> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS of</li> <li>AAL 1</li> <li>acc. to IXIT</li> <li>correct number (u</li> <li>acc. to IXIT</li> </ul> | ping<br>class<br>ser provided) acc. to IXIT  |
| Node-to-Node cross- |   |  |  |
| reference           |   |  |  |
| Comments:           | CLIP - user provided, not   | screened, internation  | al call with calling party sub-address.  |
| Pre-test-condition: | En bloc sending is used.<br>The requested CLIP service<br>party number information  | The "No screening fun<br>ce is supported at the<br>elements delivery opti  | ction" is supported at the originating exchange.<br>destination exchange but not the "Two-calling<br>on"         |

# 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 pa                            | arty number i. e. (netw                           | ork provided) without any number digits is   |
|                     | present at the destination                               | access  |  |
| Configuration:      | Configuration 1  |   |  |
| Parameter values:   | For SETUP:   |   |  |
|                     | B-BC:  | - BCOBA   |  |
|                     |  | - Susceptible to clip                             | ping   |
|                     | ATM Traffic Descriptor:                                  | - Equal to 64 kbit/s                              |  |
|                     | QoS:   | - Unspecified QoS of                              | class  |
|                     | AAL Parameters:  | - AAL 1   |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>                  |  |
|                     | Calling party number:                                    | <ul> <li>wrong calling party</li> </ul>           | / number acc. to IXIT  |
| Node-to-Node        |  |   |  |
| cross-reference     |  |   |  |
| Comments:           | CLIR - network provided                                  |   |  |
| Pre-test-condition: | En bloc sending is used. T<br>Origination access provide | The requested CLIR set<br>as a wrong calling part | ervice is supported at the origination exchange.<br>y 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/CLIF        | {                                       |  |
| Selection criteria: |                              |   |  |
| Test purpose:       | To verify that the calling p | arty number i. e. (netw                 | ork provided) without any number digits is       |
|                     | present at the destination   | access                                  |  |
| Configuration:      | Configuration 1              |   |  |
| Parameter values:   | For SETUP:                   |   |  |
|                     | B-BC:                        | - BCOBA                                 |  |
|                     |                              | - Susceptible to clip                   | ping   |
|                     | ATM Traffic Descriptor:      | - Equal to 64 kbit/s                    |  |
|                     | QoS:                         | <ul> <li>Unspecified QoS of</li> </ul>  | class  |
|                     | AAL Parameters:              | - AAL 1                                 |  |
|                     | N-BC:                        | <ul> <li>acc. to IXIT</li> </ul>        |  |
|                     | Calling party number:        | <ul> <li>no calling party nu</li> </ul> | mber   |
| Node-to-Node        |                              |   |  |
| cross-reference     |                              |   |  |
| Comments:           | CLIR - network provided      |   |  |
| Pre-test-condition: | En bloc sending is used.     | The requested CLIR se                   | ervice is supported at the origination exchange. |
|                     | Origination access provide   | es no calling party nun                 | nber 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 pa | arty number i. e. (netv          | vork 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 clip            | ping   |
|                     | ATM Traffic Descriptor:       | - Equal to 64 kbit/s             |  |
|                     | QoS:                          | - Unspecified QoS                | class  |
|                     | AAL Parameters:               | - AAL 1                          |  |
|                     | N-BC:                         | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | Calling party number:         | - no calling party nu            | mber   |
|                     | Calling party sub-addr.:      | - acc. to IXIT                   |  |
| Node-to-Node        |                               |                                  |  |
| cross-reference     |                               |                                  |  |
| Comments:           | CLIR - network provided       |                                  |  |
| Pre-test-condition: | En bloc sending is used. T    | he requested CLIR se             | ervice is supported at the origination exchange. |
|                     | Origination access provide    | es no calling party nun          | nber 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 pa | arty number i. e. (user  | provided, verified and passed) without any       |
|                     | number digits is present at   | t the destination acces  | S  |
| Configuration:      | Configuration 1               |                          |  |
| Parameter values:   | For SETUP:                    |                          |  |
|                     | B-BC:                         | - BCOBA                  |  |
|                     |                               | - Susceptible to clip    | ping   |
|                     | ATM Traffic Descriptor:       | - Equal to 64 kbit/s     |  |
|                     | QoS:                          | - Unspecified QoS of     | lass   |
|                     | AAL Parameters:               | - AAL 1                  |  |
|                     | N-BC:                         | - acc. to IXIT           |  |
|                     | Calling party number:         | - correct number (us     | ser provided) acc. to IXIT                       |
| Node-to-Node        |                               |                          |  |
| cross-reference     |                               |                          |  |
| Comments:           | CLIR - user provided, verif   | ied and passed           |  |
| Pre-test-condition: | En bloc sending is used. T    | he requested CLIR se     | ervice is supported at the origination exchange. |
|                     | Origination access provide    | es a correct calling par | ty 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 pa             | arty number i. e. (user          | provided, verified and passed) without any       |
|                     | number digits and no callir               | ng party sub-address i           | . e. are present at the destination access       |
| Configuration:      | Configuration 1                           |                                  |  |
| Parameter values:   | For SETUP:                                |                                  |  |
|                     | B-BC:                                     | - BCOBA                          |  |
|                     |   | - Susceptible to clip            | ping   |
|                     | ATM Traffic Descriptor:                   | - Equal to 64 kbit/s             | -  |
|                     | QoS:                                      | - Unspecified QoS of             | class  |
|                     | AAL Parameters:                           | - AAL 1                          |  |
|                     | N-BC:                                     | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | Calling party number:                     | - correct number (u              | ser provided) acc. to IXIT                       |
|                     | Calling party sub-addr.:                  | <ul> <li>acc. to IXIT</li> </ul> |  |
| Node-to-Node        |   |                                  |  |
| cross-reference     |   |                                  |  |
| Comments:           | CLIR - user provided, verified and passed |                                  |  |
| Pre-test-condition: | En bloc sending is used. T                | he requested CLIR se             | ervice is supported at the origination exchange. |
|                     | Origination access provide                | s a correct calling par          | ty 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 part      | y number i. e. (netwo            | rk provided) and an additional calling party   |  |
|                     | number I. e. (user provideo        | d, not screened) both            | without any number digits and no calling party |  |
|                     | sub-address I. e. are prese        | ent at the destination a         | access   |  |
| Configuration:      | Configuration 1                    |                                  |  |  |
| Parameter values:   | For SETUP:                         |                                  |  |  |
|                     | B-BC:                              | - BCOBA                          |  |  |
|                     |                                    | - Susceptible to clip            | ping   |  |
|                     | ATM Traffic Descriptor:            | - Equal to 64 kbit/s             |  |  |
|                     | QoS:                               | - Unspecified QoS of             | class  |  |
|                     | AAL Parameters:                    | - AAL 1                          |  |  |
|                     | N-BC:                              | - acc. to IXIT                   |  |  |
|                     | Calling party number:              | - correct number (us             | ser provided) acc. to IXIT                     |  |
|                     | Calling party sub-addr.:           | <ul> <li>acc. to IXIT</li> </ul> |  |  |
| Node-to-Node        |                                    |                                  |  |  |
| cross-reference     |                                    |                                  |  |  |
| Comments:           | CLIR - user provided, not screened |                                  |  |  |
| Pre-test-condition: | En bloc sending is used. T         | he requested CLIR se             | ervice and the "No screening function" are     |  |
|                     | supported at the origination       | n exchange. The "Two             | o-calling party number information elements    |  |
|                     | delivery option" is supported      | ed at the destination e          | 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 part   | ty number i. e. (user p | 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 r  | not present at the destination access         |
| Configuration:      | Configuration 1   |                         |   |
| Parameter values:   | For SETUP:  |                         |   |
|                     | B-BC:   | - BCOBA                 |   |
|                     |   | - Susceptible to clip   | pping   |
|                     | 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 (u     | ser 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 originatio   | n exchange. The "Tw     | o-calling party number information elements   |
|                     | delivery option" is not supp  | ported at the destinati | on 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/COL   | Ρ                         |                                  |  |
| Selection criteria: |  |                           |                                  |  |
| Test purpose:       | To verify that the Connected number i.e. (network provided) is present at the origination  |                           |                                  |  |
|                     | access. The destination ac   | ccess provides a wror     | g 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        |  | 0                         |                                  |  |
| 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/COL  | C  |   |
| Selection criteria: |   |  |   |
| Test purpose:       | To verify that the Connected  | ed number i.e. (netwo  | rk provided) is present at the origination access |
| Configuration:      | Configuration 1   |  |   |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>For CONNECT:<br>Connected number: | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT<br>- no connected num | ping<br>class<br>ber                              |
| Node-to-Node        |   |  |   |
| cross-reference     |   | <u></u>  |   |
| Comments:           | COLP - network provided without connected sub-address   |  |   |
| Pre-test-condition: | En bloc sending is used. T  | he requested COLP s  | service is supported at the origination           |
|                     | exchange. Destination acc   | ess provides no conn   | ectea 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/COLF   | C   |   |
| Selection criteria: |   |   |   |
| Test purpose:       | To verify that the Connecte   | ed number i.e. (networ  | k provided) and the Connected sub-address |
|                     | i.e. are present at the origin  | nation access   |   |
| Configuration:      | Configuration 1   |   |   |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>For CONNECT:<br>Connected number:<br>Connected sub-address:                         | <ul> <li>BCOBA</li> <li>Susceptible to clipp</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS c</li> <li>AAL 1</li> <li>acc. to IXIT</li> <li>no connected num</li> <li>acc. to IXIT</li> </ul> | bing<br>lass<br>ber                       |
| 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/COLF  | 0   |  |
| Selection criteria:              |  |   |  |
| Test purpose:                    | To verify that the Connecte  | ed number i.e. (user p  | provided, verified and passed) and the               |
|                                  | Connected sub-address i.e  | e. are present at the o   | rigination access                                    |
| Configuration:                   | Configuration 1  |   |  |
| Parameter values:                | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>For CONNECT:<br>Connected number:<br>Connected sub-address:                                | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT<br>- correct connected<br>- acc. to IXIT | ping<br>class<br>number (user provided) acc. to IXIT |
| Node-to-Node cross-<br>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/COL  | Р  |  |
| Selection criteria:              |   |  |  |
| Test purpose:                    | To verify that the Connect  | ed number i.e. (user p   | provided, verified and passed) is present at the     |
|                                  | origination access  |  |  |
| Configuration:                   | Configuration 1   |  |  |
| Parameter values:                | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>For CONNECT:<br>Connected number: | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT | ping<br>class<br>number (user provided) acc. to IXIT |
| Node-to-Node cross-<br>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 acc<br>sub-address  | cess provides a correc   | t connected number but no connected                  |

| 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/COL  | כ                                     |                                       |  |
| Selection criteria: |   |                                       |                                       |  |
| Test purpose:       | To verify that the Connecte   | ed number i.e. (user p                | provided, not screened) including the |  |
|                     | Connected sub-address ar  | e present at the dest                 | nation access                         |  |
| Configuration:      | Configuration 1   |                                       |                                       |  |
| Parameter values:   | For SETUP:  |                                       |                                       |  |
|                     | B-BC:   | - BCOBA                               |                                       |  |
|                     |   | - Susceptible to clip                 | ping                                  |  |
|                     | 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:   | <ul> <li>correct connected</li> </ul> | number (user provided) acc. to IXIT   |  |
|                     | Connected sub-address:  | <ul> <li>acc. to IXIT</li> </ul>      |                                       |  |
| 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 |                                       |                                       |  |
|                     | sub-address. The "No scre   | ening function" is sup                | oported 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/COL   | Р                                       |   |  |
| Selection criteria: |  |   |   |  |
| Test purpose:       | To verify that the Connect   | ed number i.e. (user p                  | provided, not screened) is present at the |  |
|                     | destination access   |   |   |  |
| Configuration:      | Configuration 1  |   |   |  |
| Parameter values:   | For SETUP:   |   |   |  |
|                     | B-BC:  | - BCOBA                                 |   |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | ping                                      |  |
|                     | ATM Traffic Descriptor:  | <ul> <li>Equal to 64 kbit/s</li> </ul>  |   |  |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul>  | 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   | ng function" is support                 | ed 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/COL  | R                                     |   |  |
| Selection criteria: |   |                                       |   |  |
| Test purpose:       | To verify that the Connect  | ed number (i.e. netwo                 | rk provided) without any number digits is |  |
|                     | present at the origination a  | 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:   | <ul> <li>wrong connected i</li> </ul> | 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 acc   | cess 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/COL                                  | R                                      |   |  |
| Selection criteria: |   |  |   |  |
| Test purpose:       | To verify that the Connect                            | ed number (i.e. netwo                  | rk provided) without any number digits is |  |
|                     | present at the origination a                          | access                                 |   |  |
| Configuration:      | Configuration 1                                       |  |   |  |
| Parameter values:   | For SETUP:  |  |   |  |
|                     | B-BC:   | - BCOBA                                |   |  |
|                     |   | - Susceptible to clip                  | ping                                      |  |
|                     | ATM Traffic Descriptor:                               | - Equal to 64 kbit/s                   | -   |  |
|                     | QoS:  | <ul> <li>Unspecified QoS of</li> </ul> | class                                     |  |
|                     | AAL Parameters:                                       | - AAL 1                                |   |  |
|                     | N-BC:   | - acc. to IXIT                         |   |  |
|                     | For CONNECT:  |  |   |  |
|                     | Connected number:                                     | <ul> <li>no connected num</li> </ul>   | ber                                       |  |
| Node-to-Node cross- |   |  |   |  |
| reference           |   |  |   |  |
| Comments:           | COLR - network provided without connected sub-address |  |   |  |
| Pre-test-condition: | En bloc sending is used. T                            | The requested COLR s                   | service is supported at the destination   |  |
|                     | exchange. Destination acc                             | cess provides no conn                  | ected 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/COLI   | ۲                                      |   |  |
| Selection criteria: |   |  |   |  |
| Test purpose:       | To verify that the Connected  | ed number ( i.e. netwo                 | ork provided) is present without any number |  |
|                     | digits and the Connected s  | sub-address i.e. is not                | present at the origination access           |  |
| Configuration:      | Configuration 1   |  |   |  |
| Parameter values:   | For SETUP:  |  |   |  |
|                     | B-BC:   | - BCOBA                                |   |  |
|                     |   | - Susceptible to clip                  | ping  |  |
|                     | ATM Traffic Descriptor:   | <ul> <li>Equal to 64 kbit/s</li> </ul> |   |  |
|                     | QoS:  | <ul> <li>Unspecified QoS of</li> </ul> | class                                       |  |
|                     | AAL Parameters:   | - AAL 1                                |   |  |
|                     | N-BC:   | - acc. to IXIT                         |   |  |
|                     | For CONNECT:  |  |   |  |
|                     | Connected number:   | <ul> <li>no connected num</li> </ul>   | hber  |  |
|                     | Connected sub-address:  | <ul> <li>acc. to IXIT</li> </ul>       |   |  |
| 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 acc   | ess provides no conn                   | ected 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/COL  | २   |   |
| Selection criteria: |   |   |   |
| Test purpose:       | To verify that the Connected  | ed number (i.e. user p  | provided, verified and passed) is present without     |
|                     | any number digits and the   | Connected sub-addr  | ess i.e. is not present at the origination access     |
| Configuration:      | Configuration 1   |   |   |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>For CONNECT:<br>Connected number:<br>Connected sub-address: | <ul> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS of AAL 1</li> <li>acc. to IXIT</li> <li>correct connected</li> <li>acc. to IXIT</li> </ul> | oping<br>class<br>number (user provided) acc. to IXIT |
| Node-to-Node cross- |   |   |   |
|                     |   | fiel and managed with   | as a set of a set of decay                            |
| Comments:           | COLR - user provided, verified and passed with connected sub-address  |   |   |
| Pre-test-condition: | En bloc sending is used. T  | he requested COLR   | service is supported at the destination               |
|                     | excitative. Destination acc   | ess provides a conne  | cieu number anu a comiecieu sub-audress               |

| 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/COLI   | ۲                       |  |  |
| Selection criteria: |   |                         |  |  |
| Test purpose:       | To verify that the Connected  | ed number (i.e. user p  | provided, not screened) is present without any |  |
|                     | number digits and the Con   | nected sub-address i    | .e. is not present at the origination access   |  |
| Configuration:      | Configuration 1   |                         |  |  |
| Parameter values:   | For SETUP:  |                         |  |  |
|                     | B-BC:   | - BCOBA                 |  |  |
|                     |   | - Susceptible to clip   | ping   |  |
|                     | 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 conne     | cted sub-address                               |  |
| Pre-test-condition: | En bloc sending is used. The requested COLR service is supported at the destination |                         |  |  |
|                     | exchange. Destination acc   | ess provides a correct  | t connected number and a connected sub-        |  |
|                     | address. The "No screening  | ig function" is support | ed 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 pa   | rty sub-address i.e. i           | s 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:                          | <ul> <li>acc. to IXIT</li> </ul> |   |  |
|                     | Called party sub-address:      | <ul> <li>acc. to IXIT</li> </ul> |   |  |
| Node-to-Node        |                                |                                  |   |  |
| cross-reference     |                                |                                  |   |  |
| Comments:           | SUB - called party sub-address |                                  |   |  |
| Pre-test-condition: | En bloc sending is used. The   | he requested SUB se              | ervice 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 pa<br>party sub-address i.e and t<br>access and that the connec<br>connected sub-address i.e.   | arty number (i.e. user<br>he Called party sub-a<br>cted number i.e. (use<br>are present at the out  | provided, verified and passed), the Calling<br>address i.e. are present at the destination<br>r provided, verified and passed) and the<br>rigination access |
| Configuration:      | Configuration 1  |   |   |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>Calling party number:<br>Calling party sub-address:<br>Called party sub-address:<br>For CONNECT: | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS of<br>- AAL 1<br>- acc. to IXIT<br>- correct number (us<br>- acc. to IXIT<br>- acc. to IXIT | ping<br>class<br>ser provided) acc. to IXIT   |
|                     | Connected number:  | - correct connected   | number (user provided) acc. to IXII   |
| Node-to-Node        |  |   |   |
| cross-reference     |  |   |   |
| Comments:           | SUB - combined   |   |   |
| Pre-test-condition: | En bloc sending is used. T<br>The requested CLIP servic<br>service is supported at the<br>connected number and a c   | he requested SUB se<br>e is supported at the<br>origination exchange<br>onnected sub-addres   | ervice is supported at the destination exchange.<br>destination exchange. The requested COLP<br>. Destination access provides a correct<br>is               |

#### 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-u | user information send in                  | the SETUP message is successfully             |
|                     | transported and present a    | t the destination access                  |   |
| Configuration:      | Configuration 1              |   |   |
| Parameter values:   | For SETUP:                   |   |   |
|                     | B-BC:                        | - BCOBA                                   |   |
|                     |                              | <ul> <li>Susceptible to clippi</li> </ul> | ng  |
|                     | ATM Traffic Descriptor:      | - Equal to 64 kbit/s                      |   |
|                     | QoS:                         | - Unspecified QoS cla                     | ISS   |
|                     | AAL Parameters:              | - AAL 1                                   |   |
|                     | N-BC:                        | - acc. to IXIT                            |   |
|                     | User-user:                   | <ul> <li>acc. to IXIT</li> </ul>          |   |
| Node-to-Node        |                              |   |   |
| cross-reference     |                              |   |   |
| Comments:           | UUS - SETUP.                 |   |   |
| Pre-test-condition: | En bloc sending is used.     | The requested UUS serv                    | rice 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         | 5                                      |  |
| Selection criteria: |                              |  |  |
| Test purpose:       | To verify that the user-to-u | user information send                  | in the SETUP and the ALERT messages are    |
|                     | successfully transported a   | and present at the dest                | ination/origination access, respectively   |
| Configuration:      | Configuration 1              |  |  |
| Parameter values:   | For SETUP:                   |  |  |
|                     | B-BC:                        | - BCOBA                                |  |
|                     |                              | - Susceptible to clip                  | ping                                       |
|                     | ATM Traffic Descriptor:      | <ul> <li>Equal to 64 kbit/s</li> </ul> |  |
|                     | QoS:                         | <ul> <li>Unspecified QoS of</li> </ul> | class                                      |
|                     | AAL Parameters:              | - AAL 1                                |  |
|                     | N-BC:                        | <ul> <li>acc. to IXIT</li> </ul>       |  |
|                     | User-user:                   | <ul> <li>acc. to IXIT</li> </ul>       |  |
|                     | 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 se                   | ervice 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-u<br>are successfully transport   | user information send ed and present at the  | in the SETUP and the CONNECT messages destination/origination access, respectively |
| Configuration:      | Configuration 1  | · · · · · · · · · · · · · · · · · · ·  |  |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>User-user:<br>For CONNECT:<br>User-user: | <ul> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS of AAL 1</li> <li>acc. to IXIT</li> <li>acc. to IXIT</li> <li>acc. to IXIT</li> </ul> | oping<br>class   |
| Node-to-Node cross- |  |  |  |
|                     |  |  |  |
| Comments:           | UUS - SETUP/CUNNECT  |  |  |
| Pre-test-condition: | En bloc sending is used. T destination exchange  | The requested UUS se   | ervice is supported at the origination and   |

| 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  | 5                                       |  |
| 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 transpor                   | ted and present at the destination/origination |
|                     | access, respectively  |   |  |
| Configuration:      | Configuration 1   |   |  |
| Parameter values:   | For SETUP:  |   |  |
|                     | B-BC:   | - BCOBA                                 |  |
|                     |   | <ul> <li>Susceptible to clip</li> </ul> | ping   |
|                     | 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-u   | user information send  | in the SETUP and the RELEASE messages |
|                     | are successfully transport   | ed and present at the  | destination access                    |
| Configuration:      | Configuration 1  |  |                                       |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>User-user:<br>For RELEASE:<br>User-user: | <ul> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS of AAL 1</li> <li>acc. to IXIT</li> <li>acc. to IXIT</li> <li>acc. to IXIT</li> </ul> | oping<br>class                        |
| Node-to-Node        |  |  |                                       |
| Cross-relerence     |  |  |                                       |
| Comments:           | UUS - SETUP/RELEASE  |  |                                       |
| Pre-test-condition: | En bloc sending is used. The requested UUS service is supported at the origination and   |  |                                       |
|                     | destination exchange. Cal  | ling party released the  | e 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   | 5                                |  |
| Selection criteria: |  |                                  |  |
| Test purpose:       | To verify that the user-to-u   | user information send            | in the SETUP and the RELEASE messages        |
|                     | are successfully transport   | ed and present at the            | destination/origination access, respectively |
| Configuration:      | Configuration 1  |                                  |  |
| Parameter values:   | For SETUP:   |                                  |  |
|                     | B-BC:  | - BCOBA                          |  |
|                     |  | - Susceptible to clip            | pping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s             |  |
|                     | QoS:   | - Unspecified QoS                | class  |
|                     | AAL Parameters:  | - AAL 1                          |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | User-user:   | - acc. to IXIT                   |  |
|                     |  |                                  |  |
|                     | For RELEASE:   |                                  |  |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul> |  |
| 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. Cal  | lled 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-u   | user information send i                | in the SETUP, the ALERT, the CONNECT and |
|                     | the RELEASE messages   | are successfully trans                 | ported and present at the                |
|                     | destination/origination acc  | cess, respectively                     |  |
| Configuration:      | Configuration 1  |  |  |
| Parameter values:   | For SETUP:   |  |  |
|                     | B-BC:  | - BCOBA                                |  |
|                     |  | - Susceptible to clip                  | ping                                     |
|                     | ATM Traffic Descriptor:  | <ul> <li>Equal to 64 kbit/s</li> </ul> |  |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul> | class                                    |
|                     | AAL Parameters:  | - AAL 1                                |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |  |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul>       |  |
|                     | For ALERT:   |  |  |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul>       |  |
|                     | For CONNECT:   |  |  |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul>       |  |
|                     | For RELEASE:   |  |  |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul>       |  |
| 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-u   | ser information send                   | in the SETUP and the RELEASE COMPLETE       |
|                     | messages are successfully  | y transported and pres                 | sent at the destination/origination access, |
|                     | respectively   |  |   |
| Configuration:      | Configuration 1  |  |   |
| Parameter values:   | For SETUP:   |  |   |
|                     | B-BC:  | - BCOBA                                |   |
|                     |  | - Susceptible to clip                  | ping  |
|                     | ATM Traffic Descriptor:  | <ul> <li>Equal to 64 kbit/s</li> </ul> |   |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul> | class                                       |
|                     | AAL Parameters:  | - AAL 1                                |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |   |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul>       |   |
|                     |  |  |   |
|                     | For RELEASE COMPLET  | E:                                     |   |
|                     | User-user:   | <ul> <li>acc. to IXIT</li> </ul>       |   |
| 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             |
## B-ISDN to N-ISDN calls (BNC)/Closed User Group (CUG)

5.3.2.7

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

| 22474               | Dof. to ETC 200 770 4  |                                      | Other relevant ref . O 2660 [42]             |
|---------------------|--|--------------------------------------|--|
| 2.2.1.7.1           | Rel. to E13 300 / /0-1   | [20], Q.955 [32]                     | Other relevant rel.: Q.2000 [13]             |
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG   |                                      |  |
| Selection criteria: |  |                                      |  |
| Test purpose:       | To verify that the CUG cal   | I (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 clip                | ping   |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                 |  |
|                     | OoS <sup>.</sup>   | - Unspecified OoS (                  |  |
|                     | AAL Parameters:  |                                      | 5000   |
|                     |  |                                      |  |
|                     | N-BC.  |                                      |  |
|                     | CUG:   | - OA requested                       |  |
|                     |  | <ul> <li>CUG index code a</li> </ul> | ICC. 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. Bot  | h accesses belong to                 | the same CUG. At the destination access "IA  |
|                     | not allowed" and "not ICB'   | ' are installed. In the c            | ase 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 cal   | I (explicit request), OA               | requested, could be successfully established |  |
|                     | to an access within the sa   | me CUG                                 |  |  |
| Configuration:      | Configuration 1  |  |  |  |
| Parameter values:   | For SETUP:   |  |  |  |
|                     | B-BC:  | - BCOBA                                |  |  |
|                     |  | - Susceptible to clipping              |  |  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                   |  |  |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul> | class  |  |
|                     | AAL Parameters:  | - AAL 1                                |  |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |  |  |
|                     | CUG:   | <ul> <li>OA requested</li> </ul>       |  |  |
|                     |  | - CUG index code a                     | cc. 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. Bot  | h accesses belong to                   | the same CUG. At the destination access "IA  |  |
|                     | allowed" and "not ICB" are   | e 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   | i  |   |
| Selection criteria:             |  |  |   |
| Test purpose:                   | To verify that the CUG cal   | I (explicit request), OA                     | A requested, could be successfully established            |
|                                 | to an access that is not me  | ember of any CUG                             |   |
| Configuration:                  | Configuration 1  |  |   |
| Parameter values:               | For SETUP:   |  |   |
|                                 | B-BC:  | - BCOBA                                      |   |
|                                 |  | - Susceptible to clip                        | ping  |
|                                 | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                         |   |
|                                 | QoS:   | - Unspecified QoS                            | class   |
|                                 | AAL Parameters:  | - AAL 1                                      |   |
|                                 | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>             |   |
|                                 | CUG:   | <ul> <li>OA requested</li> </ul>             |   |
|                                 |  | - CUG index code a                           | acc. to IXIT  |
| Node-to-Node<br>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 no<br>arrangements concerning   | ot belong any CUG. In the interlock code are | the case of an international call administrative required |

| 2.2.1.7.4           | Ref. to ETS 300 770-2          | l [20], Q.955 [32]                          | Other relevant ref.: Q.2660 [13]                 |  |
|---------------------|--------------------------------|---|--|--|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG           | 6   |  |  |
| Selection criteria: |                                |   |  |  |
| Test purpose:       | To verify that the CUG ca      | ll (explicit request), OA                   | A requested, could be successfully established   |  |
|                     | to an access which belong      | gs to a network that do                     | bes not support the CUG supplementary service    |  |
| Configuration:      | Configuration 1                |   |  |  |
| Parameter values:   | For SETUP:                     |   |  |  |
|                     | B-BC:                          | - BCOBA                                     |  |  |
|                     |                                | <ul> <li>Susceptible to clipping</li> </ul> |  |  |
|                     | ATM Traffic Descriptor:        | - Equal to 64 kbit/s                        |  |  |
|                     | QoS:                           | - Unspecified QoS                           | class  |  |
|                     | AAL Parameters:                | - AAL 1                                     |  |  |
|                     | N-BC:                          | <ul> <li>acc. to IXIT</li> </ul>            |  |  |
|                     | CUG:                           | <ul> <li>OA requested</li> </ul>            |  |  |
|                     |                                | - CUG index code a                          | acc. to IXIT                                     |  |
| Node-to-Node        |                                |   |  |  |
| cross-reference     |                                |   |  |  |
| Comments:           | CUG - SETUP (explicit request) |   |  |  |
| Pre-test-condition: | En bloc sending is used.       | The requested CUG se                        | ervice is supported at the origination exchange. |  |
|                     | Only the origination netwo     | ork 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 cal   | I (explicit request), OA                | A requested, to an access in a different CUG    |
|                     | but with IA (incoming acce   | ess) allowed could be                   | successfully established                        |
| Configuration:      | Configuration 1  |   |   |
| Parameter values:   | For SETUP:   |   |   |
|                     | B-BC:  | - BCOBA                                 |   |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | ping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                    |   |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul>  | class   |
|                     | AAL Parameters:  | - AAL 1                                 |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>        |   |
|                     | CUG:   | - OA not requested                      |   |
|                     |  | - CUG index code a                      | 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  | e accesses belong to o                  | different CUGs. In the case of an international |
|                     | call administrative arrange  | ments concerning the                    | e interlock code are required                   |

| 2.2.1.7.6           | Ref. to ETS 300 770-7  | 1 [20], Q.955 [32]                               | Other relevant ref.: Q.2660 [13]            |
|---------------------|--|--|---|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG   | 3  |   |
| Selection criteria: |  |  |   |
| Test purpose:       | To verify that the CUG ca  | II (explicit request), OA                        | A requested, to an access in a same CUG but |
|                     | with IA not allowed and IC   | CB will be rejected with                         | a Release, cause # 55 (#19 at N-ISDN)       |
| Configuration:      | Configuration 1  |  |   |
| Parameter values:   | For SETUP:   |  |   |
|                     | B-BC:  | - BCOBA  |   |
|                     |  | - Susceptible to clip                            | pping                                       |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                             |   |
|                     | QoS:   | - Unspecified QoS                                | class                                       |
|                     | AAL Parameters:  | - AAL 1  |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>                 |   |
|                     | CUG:   | <ul> <li>OA requested</li> </ul>                 |   |
|                     |  | <ul> <li>CUG index code a</li> </ul>             | 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 detrination exchange. Both accesses belong to same CUG. At the destination access "IA not |  |   |
|                     | allowed" and "ICB" are ins   | stalled. In the case of a the interlock code are | an international call administrative        |

| 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 cal   | l (explicit request), OA               | requested, to an access in a different CUG    |
|                     | but with IA not allowed will   | be rejected with a Re                  | elease, cause # 87 (#20 at N-ISDN)            |
| Configuration:      | Configuration 1  |  |   |
| Parameter values:   | For SETUP:   |  |   |
|                     | B-BC:  | - BCOBA                                |   |
|                     |  | - Susceptible to clip                  | ping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                   |   |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul> | class   |
|                     | AAL Parameters:  | - AAL 1                                |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |   |
|                     | CUG:   | <ul> <li>OA requested</li> </ul>       |   |
|                     |  | - CUG index code a                     | ICC. 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 a                   | different CUGs. At the destination access "IA |
|                     | not allowed" is installed. Ir  | the case of an intern                  | ational call administrative arrangements      |
|                     | concerning the interlock co  | ode are required                       |   |

| 2.2.1.7.8           | Ref. to ETS 300 770-7  | 1 [20], Q.955 [32]                   | Other relevant ref.: Q.2660 [13]            |
|---------------------|--|--------------------------------------|---|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG   | 6                                    |   |
| Selection criteria: |  |                                      |   |
| Test purpose:       | To verify that the CUG ca  | II (explicit request), OA            | A 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 clip                | pping                                       |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                 |   |
|                     | QoS:   | - Unspecified QoS                    | class                                       |
|                     | AAL Parameters:  | - AAL 1                              |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>     |   |
|                     | CUG:   | <ul> <li>OA not requested</li> </ul> |   |
|                     |  | <ul> <li>CUG index code a</li> </ul> | 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. Bot  | th accesses belong to                | the same CUG. At the destination access "IA |
|                     | arrangements concerning  | the interlock code are               | e 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 cal   | l (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 clip                  | ping  |  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                   |   |  |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul> | class                                       |  |
|                     | AAL Parameters:  | - AAL 1                                |   |  |
|                     | N-BC:  | - acc. to IXIT                         |   |  |
|                     | CUG:   | - OA not requested                     |   |  |
|                     |  | <ul> <li>CUG index code a</li> </ul>   | ICC. 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. Bot  | h 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   | i                                       |   |
| Selection criteria: |  |   |   |
| Test purpose:       | To verify that the CUG cal   | I (explicit request), OA                | A not requested, to an access in a same CUG |
|                     | but with IA not allowed an   | d ICB will be rejected                  | with a Release, cause # 55 (#19 at N-ISDN)  |
| Configuration:      | Configuration 1  |   |   |
| Parameter values:   | For SETUP:   |   |   |
|                     | B-BC:  | - BCOBA                                 |   |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | ping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                    |   |
|                     | QoS:   | - Unspecified QoS                       | class                                       |
|                     | AAL Parameters:  | - AAL 1                                 |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>        |   |
|                     | CUG:   | - OA not requested                      |   |
|                     |  | - CUG index code a                      | 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. Bot  | h accesses belong to                    | the same CUG. At the destination access "IA |
|                     | not allowed" and "ICB" are   | e 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 cal   | I (explicit request), OA             | A not requested, to an access in a same CUG |
|                     | but with IA allowed and IC   | B will be rejected with              | a Release, cause # 55 (#19 at N-ISDN)       |
| Configuration:      | Configuration 1  |                                      |   |
| Parameter values:   | For SETUP:   |                                      |   |
|                     | B-BC:  | - BCOBA                              |   |
|                     |  | - Susceptible to clip                | ping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                 |   |
|                     | QoS:   | - Unspecified QoS                    | class                                       |
|                     | AAL Parameters:  | - AAL 1                              |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>     |   |
|                     | CUG:   | - OA not requested                   |   |
|                     |  | <ul> <li>CUG index code a</li> </ul> | 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. Bot  | h accesses belong to                 | the same CUG. At the destination access "IA |
|                     | allowed" and "ICB" are ins   | talled. In the case of a             | an international call administrative        |
|                     | arrangements concerning  | the interlock code are               | required                                    |

| 2.2.1.7.12          | Ref. to ETS 300 770-1  | l [20], Q.955 [32]                   | Other relevant ref.: Q.2660 [13]              |
|---------------------|--|--------------------------------------|---|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG   | ì                                    |   |
| Selection criteria: |  |                                      |   |
| Test purpose:       | To verify that the CUG cal   | II (explicit request), OA            | A not requested, to an access in a different  |
|                     | CUG but with IA not allow  | ed will be rejected wit              | h a Release, cause # 87 (#20 at N-ISDN)       |
| Configuration:      | Configuration 1  |                                      |   |
| Parameter values:   | For SETUP:   |                                      |   |
|                     | B-BC:  | - BCOBA                              |   |
|                     |  | - Susceptible to clip                | pping   |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                 |   |
|                     | QoS:   | - Unspecified QoS                    | class   |
|                     | AAL Parameters:  | - AAL 1                              |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>     |   |
|                     | CUG:   | <ul> <li>OA not requested</li> </ul> |   |
|                     |  | <ul> <li>CUG index code a</li> </ul> | 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  | e accesses belong to t               | the different CUGs. At the destination access |
|                     | "IA not allowed" is installe   | d. In the case of an in              | ternational call administrative arrangements  |
|                     | concerning the interlock c   | ode 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 cal   | (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 clip            | ping   |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s             |  |
|                     | QoS:   | - Unspecified QoS                | class  |
|                     | AAL Parameters:  | - AAL 1                          |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | CUG:   | - OA not requested               |  |
|                     |  | - CUG index code a               | ICC. 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 t             | he different CUGs. At the destination access |
|                     | "IA allowed" is installed. In  | the case of an intern            | ational call administrative arrangements     |
|                     | concerning the interlock co  | bde are required                 |  |

| 2.2.1.7.14          | Ref. to ETS 300 770-1  | 1 [20], Q.955 [32]                      | Other relevant ref.: Q.2660 [13]               |
|---------------------|--|---|--|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG   | 6                                       |  |
| Selection criteria: |  |   |  |
| Test purpose:       | To verify that the CUG cal   | II (explicit request), OA               | A not requested, to an access that is not      |
|                     | member of any CUG will b   | pe rejected with a Rele                 | ease, cause # 87 (#20 at N-ISDN)               |
| Configuration:      | Configuration 1  |   |  |
| Parameter values:   | For SETUP:   |   |  |
|                     | B-BC:  | - BCOBA                                 |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | pping  |
|                     | ATM Traffic Descriptor:  | <ul> <li>Equal to 64 kbit/s</li> </ul>  |  |
|                     | QoS:   | <ul> <li>Unspecified QoS</li> </ul>     | class  |
|                     | AAL Parameters:  | - AAL 1                                 |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>        |  |
|                     | CUG:   | <ul> <li>OA not requested</li> </ul>    |  |
|                     |  | <ul> <li>CUG index code a</li> </ul>    | 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. On   | ly the origination acce                 | ss belongs to a CUG. At the destination access |
|                     | "IA not allowed" is installe   | d. In the case of an in                 | ternational call administrative arrangements   |
|                     | concerning the interlock c   | ode are required                        |  |

| 2.2.1.7.15          | Ref. to ETS 300 770-7   | [20], Q.955 [32]  | Other relevant ref.: Q.2660 [13]                 |
|---------------------|---|---|--|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG  | ì   |  |
| Selection criteria: |   |   |  |
| Test purpose:       | To verify that the CUG call (explicit request), OA not requested, to an access which belongs to<br>a network that does not support the CUG supplementary service will be rejected with a<br>Release, cause # 87 |   |  |
| Configuration:      | Configuration 1   |   |  |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:<br>CUG:  | <ul> <li>BCOBA</li> <li>Susceptible to clip</li> <li>Equal to 64 kbit/s</li> <li>Unspecified QoS of</li> <li>AAL 1</li> <li>acc. to IXIT</li> <li>OA not requested</li> <li>CUG index code a</li> </ul> | ping<br>class<br>acc. to IXIT                    |
| Node-to-Node        |   |   |  |
| cross-reference     |   |   |  |
| Comments:           | CUG - SETUP (explicit request)  |   |  |
| Pre-test-condition: | En bloc sending is used.<br>Only the origination acces  | The requested CUG so<br>s belongs to a CUG  | ervice is supported at the origination exchange. |

| 2.2.1.7.16          | Ref. to ETS 300 770-1  | l [20], Q.955 [32]                     | Other relevant ref.: Q.2660 [13]       |
|---------------------|--|--|--|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG   | ì                                      |  |
| Selection criteria: |  |  |  |
| Test purpose:       | To verify that the CUG cal   | II (implicit request, pre              | ferential CUG), OA requested, could be |
|                     | successfully established to  | o an access within the                 | same CUG                               |
| Configuration:      | Configuration 1  |  |  |
| Parameter values:   | For SETUP:   |  |  |
|                     | B-BC:  | - BCOBA                                |  |
|                     | - Susceptible to clipping  |  |  |
|                     | ATM Traffic Descriptor:  | <ul> <li>Equal to 64 kbit/s</li> </ul> |  |
|                     | QoS:   | <ul> <li>Unspecified QoS</li> </ul>    | class                                  |
|                     | AAL Parameters:  | - AAL 1                                |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |  |
| 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 cal   | l (implicit request, pre         | ferential CUG), OA requested, could be  |
|                     | successfully established to  | o an access within the           | same CUG                                |
| Configuration:      | Configuration 1  |                                  |   |
| Parameter values:   | For SETUP:   |                                  |   |
|                     | B-BC:  | - BCOBA                          |   |
|                     |  | - Susceptible to clip            | ping                                    |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s             |   |
|                     | QoS:   | - Unspecified QoS                | class                                   |
|                     | AAL Parameters:  | - AAL 1                          |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul> |   |
| 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 cal   | I (implicit request, pre | ferential CUG), OA requested, could be |
|                     | successfully established to  | o an access that is not  | t member of any CUG                    |
| Configuration:      | Configuration 1  |                          |  |
| Parameter values:   | For SETUP:   |                          |  |
|                     | B-BC:  | - BCOBA                  |  |
|                     |  | - Susceptible to clip    | ping                                   |
|                     | 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 no  | ot 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   | i                        |   |
| Selection criteria: |  |                          |   |
| Test purpose:       | To verify that the CUG cal   | I (implicit request, pre | ferential CUG), OA requested, could be      |
|                     | successfully established to  | o an access which bel    | ongs to a network that does not support the |
|                     | CUG supplementary servi  | се                       |   |
| Configuration:      | Configuration 1  |                          |   |
| Parameter values:   | For SETUP:   |                          |   |
|                     | B-BC:  | - BCOBA                  |   |
|                     |  | - Susceptible to clip    | ping  |
|                     | 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 netwo   | rk 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, pref | erential CUG), OA requested, to an access in    |
|                     | a different CUG but with IA (incoming access) al    | lowed 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 CUC     | G)  |
| Pre-test-condition: | En bloc sending is used. The requested CUG se       | ervice is supported at the origination and      |
|                     | destination exchange. The accesses belong to c      | lifferent 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   | l (implicit request, pre | ferential CUG), OA requested, to an access in  |  |
|                     | a same CUG but with IA ne   | ot allowed and ICB wi    | II be rejected with a Release, cause # 55 (#19 |  |
|                     | at N-ISDN)  |                          |  |  |
| Configuration:      | Configuration 1   |                          |  |  |
| Parameter values:   | For SETUP:  |                          |  |  |
|                     | B-BC:   | - BCOBA                  |  |  |
|                     |   | - Susceptible to clip    | ping   |  |
|                     | 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 inst   | talled. In the case of a | 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   | i   |   |  |
| Selection criteria: |  |   |   |  |
| Test purpose:       | To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CLIG but with IA not allowed will be rejected with a Belease, cause #87 (#20 at N- |   |   |  |
|                     | ISDN)  |   | -,  |  |
| Configuration:      | Configuration 1  |   |   |  |
| Parameter values:   | For SETUP:   |   |   |  |
|                     | B-BC:  | - BCOBA                                     |   |  |
|                     |  | - Susceptible to clip                       | ping  |  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                        |   |  |
|                     | QoS:   | S: - Unspecified QoS class                  |   |  |
|                     | AAL Parameters:  | - AAL 1                                     |   |  |
|                     | N-BC:  | - acc. to IXIT                              |   |  |
| Node-to-Node        |  |   |   |  |
| Comments:           | CLIC - SETLIP (implicit rec  | nuest preferential CL                       | C)  |  |
| Comments.           | COG - SETOF (implicit request, preferencial COG)   |   |   |  |
| Pre-test-condition: | En bloc sending is used. The requested CUG service is supported at the origination and   |   |   |  |
|                     | destination exchange. The  | e accesses belong to o                      | different CUGs. At the destination access "IA |  |
|                     | not allowed" is installed. In<br>concerning the interlock of   | n the case of an intern<br>ode are required | ational call administrative arrangements      |  |
|                     | g no monoto e  |   |   |  |

| 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, pre                  | ferential 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                                 |   |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | ping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                    |   |
|                     | QoS:   | - Unspecified QoS                       | class                                       |
|                     | AAL Parameters:  | - AAL 1                                 |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>        |   |
| 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. Bot  | h accesses belong to                    | the same CUG. At the destination access "IA |
|                     | not allowed" and "not ICB"   | are installed. In the c                 | ase 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 cal   | l (implicit request, pre | ferential CUG), OA not requested, could be  |
|                     | successfully established to  | o an access within the   | same CUG                                    |
| Configuration:      | Configuration 1  |                          |   |
| Parameter values:   | For SETUP:   |                          |   |
|                     | B-BC:  | - BCOBA                  |   |
|                     |  | - Susceptible to clip    | pping                                       |
|                     | 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. Bot  | h 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   | e 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   | l (implicit request, pre | ferential 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 clip    | ping   |
|                     | 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 cal<br>in a same CUG but with IA<br>(#19 at N-ISDN)   | I (implicit request, pre<br>a allowed and ICB will   | ferential CUG), OA not requested, to an access be rejected with a Release, cause # 55 |
| Configuration:      | Configuration 1  |  |   |
| Parameter values:   | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:   | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT | oping<br>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 |  |   |

| 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  | l (implicit request, pre         | ferential 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 clip            | pping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s             |  |
|                     | QoS:   | - Unspecified QoS                | class  |
|                     | AAL Parameters:  | - AAL 1                          |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul> |  |
| 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  | d. In the case of an in          | ternational call administrative arrangements   |
|                     | concerning the interlock co  | ode 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 cal<br>in a different CUG but with<br>(#20 at N-ISDN)   | I (implicit request, pre<br>IA allowed will be rej   | ferential CUG), OA not requested, to an access<br>ected with a Release, cause # 87 |
| Configuration:                  | Configuration 1  |  |  |
| Parameter values:               | For SETUP:<br>B-BC:<br>ATM Traffic Descriptor:<br>QoS:<br>AAL Parameters:<br>N-BC:   | - BCOBA<br>- Susceptible to clip<br>- Equal to 64 kbit/s<br>- Unspecified QoS o<br>- AAL 1<br>- acc. to IXIT | ping<br>class  |
| Node-to-Node<br>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   | i                        |  |
| Selection criteria: |  |                          |  |
| Test purpose:       | To verify that the CUG cal   | I (implicit request, pre | ferential 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. On   | ly the origination acce  | ss belongs to a CUG. At the destination access |
|                     | "IA not allowed" is installe   | d. In the case of an in  | ternational call administrative arrangements   |
|                     | concerning the interlock c   | ode 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   | i                                       |  |
| Selection criteria: |  |   |  |
| Test purpose:       | To verify that the CUG cal   | I (implicit request, pre                | ferential CUG), OA not requested, to an access |
|                     | which belongs to a networ  | k that does not suppo                   | rt the CUG supplementary service will be       |
|                     | rejected with a Release, c   | ause # 87                               |  |
| Configuration:      | Configuration 1  |   |  |
| Parameter values:   | For SETUP:   |   |  |
|                     | B-BC:  | - BCOBA                                 |  |
|                     |  | <ul> <li>Susceptible to clip</li> </ul> | ping   |
|                     | 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 acces   | s 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   | i                                      |   |
| Selection criteria: |  |  |   |
| Test purpose:       | To verify that a non-CUG   | call towards a CUG ac                  | ccess with IA allowed could be successfully |
|                     | established  |  |   |
| Configuration:      | Configuration 1  |  |   |
| Parameter values:   | For SETUP:   |  |   |
|                     | B-BC:  | - BCOBA                                |   |
|                     |  | - Susceptible to clip                  | ping  |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s                   |   |
|                     | QoS:   | <ul> <li>Unspecified QoS of</li> </ul> | class                                       |
|                     | AAL Parameters:  | - AAL 1                                |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>       |   |
| 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 acces   | ss is a member of a Cl                 | UG 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            | i                                      |   |
| Selection criteria: |                                 |  |   |
| Test purpose:       | To verify that a non-CUG        | call towards a CUG ac                  | ccess 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 clip                  | ping  |
|                     | ATM Traffic Descriptor:         | <ul> <li>Equal to 64 kbit/s</li> </ul> |   |
|                     | QoS:                            | <ul> <li>Unspecified QoS of</li> </ul> | class   |
|                     | AAL Parameters:                 | - AAL 1                                |   |
|                     | N-BC:                           | <ul> <li>acc. to IXIT</li> </ul>       |   |
| Node-to-Node        |                                 |  |   |
| cross-reference     |                                 |  |   |
| Comments:           | non-CUG towards CUG destination |  |   |
| Pre-test-condition: | En bloc sending is used. T      | The requested CUG se                   | ervice is supported at the destination exchange.  |
|                     | Only the destination acces      | ss is a member of a Cl                 | JG and IA not allowed is installed                |

| 2.2.1.7.33          | Ref. to ETS 300 770-7   | [20], Q.955 [32]                        | Other relevant ref.: Q.2660 [13]               |
|---------------------|---|---|--|
| TSS reference:      | B_ISDN/IW/SS/BNC/CUG  | ì                                       |  |
| Selection criteria: |   |   |  |
| Test purpose:       | To verify that the CUG ca   | II (explicit request), OA               | A 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-ISD  | N)                                      |  |
| Configuration:      | Configuration 1   |   |  |
| Parameter values:   | For SETUP:  |   |  |
|                     | B-BC:   | - BCOBA                                 |  |
|                     |   | <ul> <li>Susceptible to clip</li> </ul> | ping   |
|                     | ATM Traffic Descriptor:   | - Equal to 64 kbit/s                    |  |
|                     | QoS:  | <ul> <li>Unspecified QoS of</li> </ul>  | class  |
|                     | AAL Parameters:   | - AAL 1                                 |  |
|                     | N-BC:   | <ul> <li>acc. to IXIT</li> </ul>        |  |
|                     | CUG:  | <ul> <li>OA requested</li> </ul>        |  |
|                     |   | - CUG index code a                      | 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   | n the case of an intern                 | ational call administrative arrangements       |
|                     | concerning the interlock c  | ode 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           | A 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 clip            | ping   |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s             |  |
|                     | QoS:   | - Unspecified QoS                | class  |
|                     | AAL Parameters:  | - AAL 1                          |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | CUG: - OA not requested  |                                  |  |
|                     |  | - CUG index code a               | 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 t             | he different CUGs. At the destination access   |
|                     | "IA not allowed" is installed  | d. In the case of an int         | ternational call administrative arrangements   |
|                     | concerning the interlock co  | ode 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  | i                                       |  |  |
| Selection criteria: |   |   |  |  |
| Test purpose:       | To verify that the CUG cal  | I (explicit request), OA                | A 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-ISD  | N)                                      |  |  |
| Configuration:      | Configuration 1   |   |  |  |
| Parameter values:   | For SETUP:  |   |  |  |
|                     | B-BC:   | - BCOBA                                 |  |  |
|                     |   | <ul> <li>Susceptible to clip</li> </ul> | pping  |  |
|                     | ATM Traffic Descriptor:   | - Equal to 64 kbit/s                    |  |  |
|                     | QoS:  | <ul> <li>Unspecified QoS</li> </ul>     | class  |  |
|                     | AAL Parameters:   | - AAL 1                                 |  |  |
|                     | N-BC:   | - acc. to IXIT                          |  |  |
|                     | CUG:  | G: - OA not requested                   |  |  |
|                     |   | <ul> <li>CUG index code a</li> </ul>    | 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   | e accesses belong to t                  | he different CUGs. At the destination access   |  |
|                     | "IA allowed" is installed. Ir   | the case of an intern                   | ational call administrative arrangements       |  |
|                     | concerning the interlock c  | ode 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           | A requested, to an access in a same CUG but    |
|                     | with an inappropriate N-IS   | DN service and with I.           | A allowed could be successfully established    |
| Configuration:      | Configuration 1  |                                  |  |
| Parameter values:   | For SETUP:   |                                  |  |
|                     | B-BC:  | - BCOBA                          |  |
|                     |  | - Susceptible to clip            | ping   |
|                     | ATM Traffic Descriptor:  | - Equal to 64 kbit/s             |  |
|                     | QoS:   | - Unspecified QoS of             | class  |
|                     | AAL Parameters:  | - AAL 1                          |  |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | CUG:   | <ul> <li>OA requested</li> </ul> |  |
|                     |  | - CUG index code a               | acc. to IXIT                                   |
| Node-to-Node cross- |  |                                  |  |
| reference           |  |                                  |  |
| Comments:           | CUG - SETUP (explicit rec  | luest)                           |  |
| 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     | ational call administrative arrangements       |
|                     | concerning the interlock co  | ode 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   | A 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 of   | class                                       |
|                     | AAL Parameters:  | - AAL 1  |   |
|                     | N-BC:  | <ul> <li>acc. to IXIT</li> </ul>   |   |
|                     | CUG:   | <ul> <li>OA requested</li> </ul>   |   |
|                     |  | - CUG index code a   | 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   | ational call administrative arrangements    |
|                     | concerning the interlock co  | 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 paramete  | er CLI (network provided) without calling party |  |
|                     | sub-address is present at the destination access  | s. 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   | y 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 part  | ty 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   | er CLI (network provided) without calling party |  |
|                     | sub-address is present at the destination access  | s. 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 nu   | Imber   |  |
| 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 nun  | nber  |  |

| 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 nu   | mber paramete    | r 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 nu | mber   |
|                     | 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 req  | uested CLIP se   | ervice 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  | d 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 (us   | ser 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 (netw   | work provided) and the | e additional CLI (user provided, not screened) |
|                     | including the calling party  | sub-address are prese  | ent 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 th  | e destination exchang  | ge   |

| 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<br>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.<br>The requested CLIP service is supported at the destination exchange but not the "Two-calling<br>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   | he additional CLI (user provided, verified and |  |
|                     | failed) including the calling party sub-address a   | 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 <b>not</b> 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<br>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.<br>The requested CLIP service and the "Two-calling party number information elements delivery<br>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<br>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.<br>The requested CLIP service is supported at the destination exchange but not the "Two-calling<br>party number information elements delivery option"          |                                  |  |

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

| 2.2.2.1             | 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. netwo   | ork 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.<br>Origination access provides a wrong calling party number and no calling party sub-address i.e. |  |  |

| 00000               |  | Other relevant ref - 0 0000 [40]   |
|---------------------|--|--|
| 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. netwo  | rk 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 nur   | nber   |
| Node-to-Node        |  |  |
| cross-reference     |  |  |
| Comments:           | CLIR - network provided  |  |
| Pre-test-condition: | En bloc sending is used. The requested CLIR se<br>Origination access provides no calling party num | rvice is supported at the origination exchange.<br>ber and no calling party sub-address i.e. |

| 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 pa | arty number (i.e. netw                  | ork 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:                 | <ul> <li>acc. to IXIT</li> </ul>        |  |
|                     | Calling party number:         | <ul> <li>no calling party nu</li> </ul> | mber   |
|                     | Calling party sub-addr .:     | - acc. to IXIT                          |  |
| Node-to-Node        |                               |   |  |
| cross-reference     |                               |   |  |
| Comments:           | CLIR - network provided       |   |  |
| Pre-test-condition: | En bloc sending is used. T    | he requested CLIR se                    | ervice is supported at the origination exchange. |
|                     | Origination access provide    | s no calling party nun                  | nber but a calling party sub-address i.e.        |

| 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 acces   | SS   |  |
| Configuration:      | Configuration 1   |  |  |
| Parameter values:   | For SETUP:  |  |  |
|                     | BC, HLC, LLC: - acc. to IXIT  |  |  |
|                     | Calling party number: - correct number (u   | ser 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 pa  | rty number but no calling party sub-address i.e. |  |

| 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<br>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.<br>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 IXITCalling party number:- correct number (uCalling party sub-addr.:- acc. to IXIT  | ser provided) acc. to IXIT       |  |
| Node-to-Node<br>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<br>supported at the origination exchange. The "Two-calling party number information elements<br>delivery option" is supported at the destination exchange    |                                  |  |

| 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 (u         Calling party sub-addr.:       - acc. to IXIT   | ser provided) acc. to IXIT       |  |
| Node-to-Node<br>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<br>supported at the origination exchange. The "Two-calling party number information elements<br>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 \$   | 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 conn  | ected 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 pr  | ovided) is present at the origination access |  |
| Configuration:                  | Configuration 1   |  |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT<br>For CONNECT:<br>Connected number: - no connected number   |  |  |
| Node-to-Node<br>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  | d number (i.e. netwo | rk provided) and the Connected sub-address |
|                     | i.e. are present at the origin  | ation access         |  |
| Configuration:      | Configuration 1   |                      |  |
| Parameter values:   | For SETUP:  |                      |  |
|                     | BC, HLC, LLC:   | - acc. to IXIT       |  |
|                     |   |                      |  |
|                     | For CONNECT:  |                      |  |
|                     | Connected number:   | - no connected num   | iber                                       |
|                     | Connected sub-address:  | - acc. to IXIT       |  |
| Node-to-Node        |   |                      |  |
| cross-reference     |   |                      |  |
| Comments:           | COLP - network provided w   | ith connected sub-ad | ddress                                     |
| Pre-test-condition: | En bloc sending is used. The requested COLP service is supported at the origination |                      |  |
|                     | exchange. Destination acce  | ss provides no conn  | ected 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/COLI  | C                                     |   |
| Selection criteria: |  |                                       |   |
| Test purpose:       | To verify that the Connected   | ed number (i.e. user p                | provided, verified and passed) and the  |
|                     | Connected sub-address i.e  | e. are present at the c               | prigination access                      |
| Configuration:      | Configuration 1  |                                       |   |
| Parameter values:   | For SETUP:   |                                       |   |
|                     | BC, HLC, LLC:  | <ul> <li>acc. to IXIT</li> </ul>      |   |
|                     |  |                                       |   |
|                     | For CONNECT:   |                                       |   |
|                     | Connected number:  | <ul> <li>correct connected</li> </ul> | number (user provided) acc. to IXIT     |
|                     | Connected sub-address:   | - acc. to IXIT                        |   |
| Node-to-Node        |  |                                       |   |
| cross-reference     |  |                                       |   |
| Comments:           | COLP - user provided, ver  | ified and passed with                 | connected sub-address                   |
| Pre-test-condition: | En bloc sending is used. T   | he 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 p<br>origination access   | rovided, verified and passed) is present at the                                |
| Configuration:                  | Configuration 1  |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT<br>For CONNECT:<br>Connected number: - correct connected            | number (user provided) acc. to IXIT  |
| Node-to-Node<br>cross-reference |  |  |
| Comments:                       | COLP - user provided, verified and passed  |  |
| Pre-test-condition:             | En bloc sending is used. The requested COLP s<br>exchange. Destination access provides a correc<br>sub-address | service is supported at the origination<br>t connected number but no connected |

| 2.2.2.3.6           | Ref. to ETS 300 097-7   | 1 [8] / clause 5                 | Other relevant ref.: Q.2660 [13]      |
|---------------------|---|----------------------------------|---------------------------------------|
| TSS reference:      | B_ISDN/IW/SS/NBC/COLF   | )                                |                                       |
| Selection criteria: |   |                                  |                                       |
| Test purpose:       | To verify that the Connecte   | ed number (i.e. user             | provided, not screened) including the |
|                     | Connected sub-address ar  | e present at the dest            | ination access                        |
| Configuration:      | Configuration 1   |                                  |                                       |
| Parameter values:   | For SETUP:  |                                  |                                       |
|                     | BC, HLC, LLC:   | <ul> <li>acc. to IXIT</li> </ul> |                                       |
|                     |   |                                  |                                       |
|                     | For CONNECT:  |                                  |                                       |
|                     | Connected number:   | - correct connected              | I number (user provided) acc. to IXIT |
|                     | Connected sub-address:  | <ul> <li>acc. to IXIT</li> </ul> |                                       |
| 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 scre   | ening function" is su            | pported 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 sur  | ported 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  | d number (i.e. netwo | rk provided) without any number digits is |
|                     | present at the origination ac   | cess                 |   |
| 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 acce  | ess provides a wrong | connected number                          |

| 2.2.2.4.2                       | Ref. to ETS 300 098-1 [9] / c   | 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 num<br>present at the origination access   | ber (i.e. networ | k provided) without any number digits is               |
| Configuration:                  | Configuration 1   |                  |  |
| Parameter values:               | For SETUP:         BC, HLC, LLC:       - acc.         For CONNECT:         Connected number:       - no content | to IXIT          | ber  |
| Node-to-Node<br>cross-reference |   |                  |  |
| Comments:                       | COLR - network provided without   | connected sub    | -address   |
| Pre-test-condition:             | En bloc sending is used. The request exchange. Destination access pro   | uested COLR s    | ervice is supported at the destination<br>ected 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<br>digits and the Connected su                                | d number (i.e. netwo<br>ub-address i.e. is no                                    | ork provided) is present without any number the present at the origination access    |
| Configuration:                  | Configuration 1  |  |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC:<br>For CONNECT:<br>Connected number:<br>Connected sub-address: | <ul> <li>acc. to IXIT</li> <li>no connected nun</li> <li>acc. to IXIT</li> </ul> | nber   |
| Node-to-Node<br>cross-reference |  |  |  |
| Comments:                       | COLR - network provided  |  |  |
| Pre-test-condition:             | En bloc sending is used. The exchange. Destination acce                                    | e requested COLR<br>ess provides no conr   | service is supported at the destination<br>nected 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/COLE   | २                                     |   |
| Selection criteria: |   |                                       |   |
| Test purpose:       | To verify that the Connecte   | ed number (i.e. user                  | provided, verified and passed) is present without |
|                     | any number digits and the   | Connected sub-addr                    | ess i.e. is not present at the origination access |
| Configuration:      | Configuration 1   |                                       |   |
| Parameter values:   | For SETUP:  |                                       |   |
|                     | BC, HLC, LLC:   | <ul> <li>acc. to IXIT</li> </ul>      |   |
|                     |   |                                       |   |
|                     | For CONNECT:  |                                       |   |
|                     | Connected number:   | <ul> <li>correct connected</li> </ul> | I 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 acc   | ess provides a conne                  | ected 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/COLI   | R                                     |  |
| Selection criteria: |   |                                       |  |
| Test purpose:       | To verify that the Connected  | ed number (i.e. user j                | provided, not screened) is present without any |
|                     | number digits and the Con   | nected 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:   | <ul> <li>correct connected</li> </ul> | I 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 acc   | ess provides a corre                  | ct connected number and a connected            |
|                     | sub-address. The "No scre   | ening function" is su                 | pported at the destination exchange            |

| 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 ser      | vice is supported at the destination exchange |

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

| 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:       - acc. to IXIT         BC, HLC, LLC:       - acc. to IXIT         Calling party number:       - correct number (not include the second | user provided) acc. to IXIT<br>d number (user provided) acc. to IXIT  |  |
| Node-to-Node<br>cross-reference |  |   |  |
| Comments:                       | SUB - combined   |   |  |
| Pre-test-condition:             | En bloc sending is used. The requested SUB s<br>The requested CLIP service is supported at the<br>service is supported at the origination exchang<br>connected number and a connected sub-addre  | ervice is supported at the destination exchange.<br>e destination exchange. The requested COLP<br>e. Destination access provides a correct<br>ess |  |

### 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 FTS 300 668-1 [19]                         | Other relevant ref.: Q.2660 [13]               |
|---------------------|--|--|
| TSS reference:      |  |  |
| TOO Telefence.      |  |  |
| Selection criteria: |  |  |
| Test purpose:       | To verify that the user-to-user information send i | n the SETUP message is successfully            |
|                     | transported and present at the destination acces   | S  |
| 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 se      | rvice 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               | nation send in the SETUP and the ALERT messages are   |
|                     | successfully transported and present                      | t 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 request destination exchange | sted UUS service is supported at the origination and  |
|                     | dootination oxonaligo                                     |   |

| 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 informatio | n send in the SETUP and the CONNECT messages          |
|                     | are successfully transported and presen    | t at the destination/origination access, respectively |
| Configuration:      | Configuration 1                            |   |
| Parameter values:   | For SETUP:                                 |   |
|                     | BC, HLC, LLC: - acc. to IXI                | Г   |
|                     | User-user: - acc. to IXI                   | Г   |
|                     | For CONNECT:                               |   |
|                     | User-user: - acc. to IXI                   | Г   |
| 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<br>CONNECT messages are successfully transport             | in the SETUP and in the ALERT and ted 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   |  |  |
|                     | 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 |  |  |
|                     | U U   |  |  |

| 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 are successfully transported and present at the                     | in the SETUP and the RELEASE messages<br>destination access |
| Configuration:                  | Configuration 1  |   |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT<br>User-user: - acc. to IXIT<br>For RELEASE:<br>User-user: - acc. to IXIT |   |
| Node-to-Node<br>cross-reference |  |   |
| Comments:                       | UUS - SETUP/RELEASE  |   |
| Pre-test-condition:             | En bloc sending is used. The requested UUS se<br>destination exchange. Calling party released the                    | ervice is supported at the origination and<br>e 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 se    | ervice is supported at the origination and   |
|                     | destination exchange. Called party released the  | e 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<br>messages are successfully transported and pre-<br>respectively | in the SETUP and the RELEASE COMPLETE sent at the destination/origination access, |
| Configuration:                   | Configuration 1  |   |
| Parameter values:                | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT<br>User-user: - acc. to IXIT<br>For RELEASE COMPLETE:                   |   |
| Node-to-Node cross-<br>reference |  |   |
| Comments:                        | UUS - SETUP/RELEASE COMPLETE   |   |
| Pre-test-condition:              | En bloc sending is used. The requested UUS se<br>destination exchange. No ALERT or CONNECT                         | ervice is supported at the origination and<br>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 san   | ne CUG                           |  |
| Configuration:      | Configuration 1   |                                  |  |
| Parameter values:   | For SETUP:  |                                  |  |
|                     | BC, HLC, LLC:   | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | 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 t   | he 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), O  | A 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   | e 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 (exp   | licit 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: - ac   | c. to IXIT         |  |
|                     | Facility: - Cl   | JG Call Invoke     |  |
|                     | - O/   | A requested        |  |
|                     | - CI   | JG index code a    | cc. 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 belo  | ong any CUG. In    | the case of an international call administrative |
|                     | arrangements concerning the in   | terlock code are   | required   |

| 2.2.2.7.4           | Ref. to ETS 300 7       | 70-1 [20], Q.955 [32]                | Other relevant ref.: Q.2660 [13]                 |
|---------------------|-------------------------|--------------------------------------|--|
| TSS reference:      | B_ISDN/IW/SS/NBC/0      | CUG                                  |  |
| Selection criteria: |                         |                                      |  |
| Test purpose:       | To verify that the CUG  | 6 call (explicit request), OA        | A requested, could be successfully established   |
|                     | to an access which be   | longs to a network that do           | bes not support the CUG supplementary service    |
| Configuration:      | Configuration 1         |                                      |  |
| Parameter values:   | For SETUP:              |                                      |  |
|                     | BC, HLC, LLC:           | - acc. to IXIT                       |  |
|                     | Facility:               | <ul> <li>CUG Call Invoke</li> </ul>  |  |
|                     |                         | <ul> <li>OA requested</li> </ul>     |  |
|                     |                         | <ul> <li>CUG index code a</li> </ul> | acc. to IXIT                                     |
| Node-to-Node        |                         |                                      |  |
| cross-reference     |                         |                                      |  |
| Comments:           | CUG - SETUP (explic     | it request)                          |  |
| Pre-test-condition: | En bloc sending is use  | ed. The requested CUG se             | ervice is supported at the origination exchange. |
|                     | Only the origination ne | etwork 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 but with IA (incoming access) allowed could be s   | requested, to an access in a different CUG successfully established |  |
| Configuration:      | Configuration 1   | ·   |  |
| Parameter values:   | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT<br>Facility: - CUG Call Invoke<br>- OA not requested<br>- CUG index code a   | ICC. 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 ı   | requested, to an access in a different CUG |
|                     | but with IA not allowed will be reject   | ted with a Rele  | ease, cause #29 (#87 at B-ISDN)            |
| Configuration:      | Configuration 1  |                  |  |
| Parameter values:   | For SETUP:   |                  |  |
|                     | BC, HLC, LLC: - acc. t   | o 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   | e of an internat | ional call administrative arrangements     |
|                     | concerning the interlock code are r  | equired          | -  |

| 2.2.2.7.8           | Ref. to ETS 300 770-1 [20], Q.955 [3  | 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 reque   | est), OA not requested, could be successfully   |  |
|                     | established to an access within the same  | e CUG   |  |
| Configuration:      | Configuration 1   |   |  |
| Parameter values:   | For SETUP:  |   |  |
|                     | BC, HLC, LLC: - acc. to IXIT  | Т   |  |
|                     | Facility: - CUG Call Ir   | Invoke  |  |
|                     | - OA not requ   | quested   |  |
|                     | - CUG index   | x 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 co  | 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 (exp  | olicit request), OA | A not requested, could be successfully |
|                     | established to an access within   | n the same CUG      |  |
| Configuration:      | Configuration 1   |                     |  |
| Parameter values:   | For SETUP:  |                     |  |
|                     | BC, HLC, LLC: - a   | ICC. to IXIT        |  |
|                     | Facility: - C   | 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 i   | nterlock code are   | e 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  | A 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 a  | 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), C  | DA not requested, to an access in a same CUG   |
| Configuration:                                       | Configuration 1  |  |
| Parameter values:<br>Node-to-Node<br>cross-reference | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT<br>Facility: - CUG Call Invoke<br>- OA not requeste<br>- CUG index code   | e<br>d<br>e acc. to IXIT   |
| Comments:  | CUG - SETUP (explicit request)   |  |
| Pre-test-condition:                                  | En bloc sending is used. The requested CUG destination exchange. Both accesses belong tallowed" and "ICB" are installed. In the case of arrangements concerning the interlock code a | service is supported at the origination and<br>to the same CUG. At the destination access "IA<br>f an international call administrative<br>re 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), O   | A not requested, to an access in a different |  |
|                     | CUG but with IA not allowed will be rejected wi   | th 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 s  | 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  | 0], 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 (ex  | kplicit request), O | A not requested, to an access in a different |
|                     | CUG but with IA allowed will b   | 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 reques   | st)                 |  |
| Pre-test-condition: | En bloc sending is used. The   | requested CUG s     | ervice 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  | e case of an intern | ational 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 cal  | I (explicit request), O/         | A not requested, to an access that is not  |
|                     | member of any CUG will b  | e rejected with a Rele           | ease, cause #29 (#87 at B-ISDN)            |
| Configuration:      | Configuration 1   |                                  |  |
| Parameter values:   | For SETUP:  |                                  |  |
|                     | BC, HLC, LLC:   | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | Facility:   | - CUG Call Invoke                |  |
|                     |   | - OA not requested               |  |
|                     |   | - CUG index code a               | acc. to IXIT                               |
| Node-to-Node        |   |                                  |  |
| cross-reference     |   |                                  |  |
| Comments:           | CUG - SETUP (explicit rec   | quest)                           |  |
| Pre-test-condition: | En bloc sending is used. T  | he requested CUG s               | ervice 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 co   | ode are required                 | -  |

| 2.2.2.7.15                      | Ref. to ETS 300 7  | 70-1 [20], Q.955 [32]   | Other relevant ref.: Q.2660 [13]                 |
|---------------------------------|--|---|--|
| TSS reference:                  | B_ISDN/IW/SS/NBC/0   | 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 R-ISDN) |   |  |
| Configuration:                  | Configuration 1  |   |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC:<br>Facility:   | <ul> <li>acc. to IXIT</li> <li>CUG Call Invoke</li> <li>OA not requested</li> <li>CUG index code a</li> </ul> | acc. to IXIT                                     |
| Node-to-Node<br>cross-reference |  |   |  |
| Comments:                       | CUG - SETUP (explicit  | t request)  |  |
| Pre-test-condition:             | En bloc sending is use<br>Only the origination ac  | ed. The requested CUG so<br>ccess belongs to a CUG  | ervice is supported at the origination exchange. |

| 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, pre | ferential 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 CU     | G)   |
| Pre-test-condition: | En bloc sending is used. The requested CUG se      | ervice 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 c | ase of an international call administrative    |
|                     | arrangements concerning the interlock code are     | e 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, pre | ferential CUG), OA requested, could be         |
|                     | successfully established to an access within the   | e 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 CU     | G)   |
| Pre-test-condition: | En bloc sending is used. The requested CUG set     | ervice 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  | e of an international call administrative      |
|                     | arrangements concerning the interlock code are     | e 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, pre | ferential CUG), OA requested, could be           |
|                     | successfully established to an access that is no   | t 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 CU     | G)   |
| Pre-test-condition: | En bloc sending is used. The requested CUG set     | ervice 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, pre<br>successfully established to an access which be<br>CUG supplementary service | ferential CUG), OA requested, could be ongs to a network that does not support the |
| Configuration:                  | Configuration 1   |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT  |  |
| Node-to-Node<br>cross-reference |   |  |
| Comments:                       | CUG - SETUP (implicit request, preferential CU  | G)   |
| Pre-test-condition:             | En bloc sending is used. The requested CUG se<br>Only the origination network does support CUG                                    | ervice is supported at the origination exchange.                                   |

| 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, pre | ferential CUG), OA requested, to an access in   |
|                     | a different CUG but with IA (incoming access) a    | llowed 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 CU     | G)  |
| Pre-test-condition: | En bloc sending is used. The requested CUG set     | ervice 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    | e 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 IXII   |                                  |  |
| 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, pre | ferential 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 CU     | G)  |
| Pre-test-condition: | En bloc sending is used. The requested CUG se      | ervice 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 c | ase of an international call administrative |
|                     | arrangements concerning the interlock code are     | e 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, pre | ferential 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 CU     | G)  |
| Pre-test-condition: | En bloc sending is used. The requested CUG se      | ervice 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     | e 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, pre | ferential 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 CU     | G)   |
| Pre-test-condition: | En bloc sending is used. The requested CUG set     | ervice 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  | e of an international call administrative      |
|                     | arrangements concerning the interlock code are     | e 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, pre  | ferential 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 CU  | G)   |
| 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:<br>BC, HLC, LLC: - acc. to IXIT   |   |
| Node-to-Node        |  |   |
| cross-reference     |  |   |
| Comments:           | CUG - SETUP (implicit request, preferential CU   | G)  |
| Pre-test-condition: | En bloc sending is used. The requested CUG so<br>destination exchange. The accesses belong to t<br>"IA not allowed" is installed. In the case of an in<br>concerning the interlock code are required   | ervice is supported at the origination and the different CUGs. At the destination access ternational call administrative arrangements |

| 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:<br>BC, HLC, LLC: - acc. to IXIT   |   |
| Node-to-Node<br>cross-reference |  |   |
| Comments:                       | CUG - SETUP (implicit request, preferential CU   | G)  |
| Pre-test-condition:             | En bloc sending is used. The requested CUG so<br>destination exchange. The accesses belong to t<br>"IA allowed" is installed. In the case of an intern<br>concerning the interlock code are required | ervice is supported at the origination and the different CUGs. At the destination access ational call administrative arrangements |

| 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, pre  | ferential 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 CU      | G)   |
| Pre-test-condition: | En bloc sending is used. The requested CUG s        | ervice is supported at the origination and     |
|                     | destination exchange. Only the origination acce     | ss belongs to a CUG. At the destination access |
|                     | "IA not allowed" is installed. In the case of an in | ternational 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, pre<br>which belongs to a network that does not suppor<br>rejected with a Release, cause #87 | ferential CUG), OA not requested, to an access<br>rt the CUG supplementary service will be |
| Configuration:      | Configuration 1   |  |
| Parameter values:   | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT  |  |
| Node-to-Node        |   |  |
| cross-reference     |   |  |
| Comments:           | CUG - SETUP (implicit request, preferential CU  | G)   |
| Pre-test-condition: | En bloc sending is used. The requested CUG so<br>Only the origination access belongs to a CUG   | ervice is supported at the origination exchange.   |

| 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 ac<br>established                                   | ccess with IA allowed could be successfully  |
| Configuration:                  | Configuration 1   |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT  |  |
| Node-to-Node<br>cross-reference |   |  |
| Comments:                       | non-CUG towards CUG destination   |  |
| Pre-test-condition:             | En bloc sending is used. The requested CUG se<br>Only the destination access is a member of a C | ervice is supported at the destination exchange.<br>JG 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 ac Release, cause #87 (#87 at B-ISDN)                | ccess with IA not allowed will be rejected with a                                      |
| Configuration:                  | Configuration 1  |  |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXIT   |  |
| Node-to-Node<br>cross-reference |  |  |
| Comments:                       | non-CUG towards CUG destination  |  |
| Pre-test-condition:             | En bloc sending is used. The requested CUG see<br>Only the destination access is a member of a C | ervice is supported at the destination exchange.<br>JG 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:<br>BC, HLC, LLC:<br>Facility:   | <ul> <li>acc. to IXIT</li> <li>CUG Call Invoke</li> <li>OA requested</li> <li>CUG index code a</li> </ul> | acc. to IXIT                     |
| Node-to-Node<br>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   | A not requested, to an access in a same CUG   |
|                     | but with an inappropriate N-ISDN service and w   | ith 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 a   | acc. to IXIT  |
| Node-to-Node        |  |   |
| cross-reference     |  |   |
| Comments:           | CUG - SETUP (explicit request)   |   |
| Pre-test-condition: | En bloc sending is used. The requested CUG se<br>destination exchange. The accesses belong to t<br>"IA not allowed" is installed. In the case of an in<br>concerning the interlock code are required. The<br>this interlock code | ervice is supported at the origination and<br>the different CUGs. At the destination access<br>ternational call administrative arrangements<br>requested N-ISDN service is not registered for |

| 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<br>but with an inappropriate N   | (explicit request), OA<br>-ISDN service and w   | A not requested, to an access in a same CUG ith IA allowed will be rejected with a Release, |
|                                 | cause #29 (#29 at B-ISDN)  |   |   |
| Configuration:                  | Configuration 1  |   |   |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC:<br>Facility:   | <ul> <li>acc. to IXIT</li> <li>CUG Call Invoke</li> <li>OA not requested</li> <li>CUG index code a</li> </ul> | acc. to IXIT  |
| Node-to-Node<br>cross-reference |  |   |   |
| Comments:                       | CUG - SETUP (explicit req  | uest)   |   |
| 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 [   | 5 [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 requ<br>with an inappropriate N-ISDN service ar   | quest), OA requested, to an access in a same CUG bu<br>and with IA allowed could be successfully established  | ut       |
| Configuration:                  | Configuration 1   |   |          |
| Parameter values:               | For SETUP:<br>BC, HLC, LLC: - acc. to IXI<br>Facility: - CUG Call<br>- OA reques<br>- CUG index   | XIT<br>II Invoke<br>ested<br>lex code acc. to IXIT  |          |
| Node-to-Node<br>cross-reference |   |   |          |
| Comments:                       | CUG - SETUP (explicit request)  |   |          |
| Pre-test-condition:             | En bloc sending is used. The requested<br>destination exchange. The accesses be<br>"IA allowed" is installed. In the case of a<br>concerning the interlock code are requir<br>this interlock code | ed CUG service is supported at the origination and<br>belong to the different CUGs. At the destination access<br>an international call administrative arrangements<br>irred. The requested N-ISDN service is not registered | s<br>for |

| 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  | A requested, to an access in a same CUG but |
|                     | successfully established   |   |   |
| Configuration:      | Configuration 1  |   |   |
| Parameter values:   | For SETUP:<br>BC, HLC, LLC:<br>Facility:   | - acc. to IXIT<br>- CUG Call Invoke<br>- OA requested<br>- CUG index code a | acc. to IXIT                                |
| NODE-TO-NODE        |  |   |   |
| Comments:           | CUG - SETUP (explicit rec  | uest)   |   |
| 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 par                            | ty number parai  | meter CLI (network provided) without calling party   |  |
|                     | sub-address is present at th                              | e destination ad | cess   |  |
| Configuration:      | Configuration 1   |                  |  |  |
| Parameter values:   | For SETUP:  |                  |  |  |
|                     | AAL Parameters:   | - AAL type 1     |  |  |
|                     | ATM Traffic Descriptor:                                   | - PCR: acc. to I | XIT  |  |
|                     |   | - Forward peak   | cell rate (CLP=0+1)                                  |  |
|                     |   | - Backward pea   | ak cell rate (CLP=0+1)                               |  |
|                     | B-BC:   | - BCOBA          |  |  |
|                     |   | - Susceptible to | oclipping  |  |
|                     | Calling party number:                                     | - wrong calling  | party number acc. to IXIT                            |  |
|                     | QoS:  | - Unspecified C  | oS class   |  |
| Node-to-Node        |   |                  |  |  |
| cross-reference     |   |                  |  |  |
| Comments:           | CLIP - network provided without calling party sub-address |                  |  |  |
| Pre-test-condition: | En bloc sending is used. Th                               | e requested CL   | IP 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 p  | arty number param   | neter CLI (network provided) without calling party |
|                     | sub-address is present at   | the destination acc | Cess   |
| Configuration:      | Configuration 1   |                     |  |
| Parameter values:   | For SETUP:  |                     |  |
|                     | AAL Parameters:   | - AAL type 1        |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to I)   | KIT  |
|                     |   | - Forward peak      | cell rate (CLP=0+1)                                |
|                     |   | - Backward peal     | k cell rate (CLP=0+1)                              |
|                     | B-BC:   | - BCOBA             |  |
|                     |   | - Susceptible to    | clipping   |
|                     | Calling party number:   | - no calling party  | / number   |
|                     | QoS:  | - Unspecified Q     | oS 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 provide  | es 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<br>5       |
|---------------------|---|---------------------------------------|--|
| TSS reference:      | B_ISDN/SS/CLIP  |                                       |  |
| Selection criteria: |   |                                       |  |
| Test purpose:       | To verify that the calling pa<br>sub-address are present at | rty number param<br>the destination a | neter CLI (network provided) including calling party ccess |
| Configuration:      | Configuration 1   |                                       |  |
| Parameter values:   | For SETUP:  |                                       |  |
|                     | AAL Parameters:   | <ul> <li>AAL type 1</li> </ul>        |  |
|                     | ATM Traffic Descriptor:                                     | - PCR: acc. to I)                     | KIT  |
|                     |   | <ul> <li>Forward peak</li> </ul>      | cell rate (CLP=0+1)  |
|                     |   | <ul> <li>Backward peal</li> </ul>     | < cell rate (CLP=0+1)                                      |
|                     | B-BC:   | - BCOBA                               |  |
|                     |   | <ul> <li>Susceptible to</li> </ul>    | clipping   |
|                     | Calling party number:                                       | <ul> <li>no calling party</li> </ul>  | / number   |
|                     | Calling party sub-address:                                  | <ul> <li>acc. to IXIT</li> </ul>      |  |
|                     | QoS:  | - Unspecified Qo                      | oS class   |
| Node-to-Node        |   |                                       |  |
| cross-reference     |   |                                       |  |
| Comments:           | CLIP - network provided with calling party sub-address      |                                       |  |
| Pre-test-condition: | En bloc sending is used. Th                                 | ne requested CLI                      | P 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 (use                 | er provided, verified              | and passed) is present at the destination access   |  |
| Configuration:      | Configuration 1                             |                                    |  |  |
| Parameter values:   | For SETUP:                                  |                                    |  |  |
|                     | AAL Parameters:                             | <ul> <li>AAL type 1</li> </ul>     |  |  |
|                     | ATM Traffic Descriptor: - PCR: acc. to IXIT |                                    |  |  |
|                     | - Forward peak cell rate (CLP=0+1)          |                                    |  |  |
|                     | - Backward peak cell rate (CLP=0+1)         |                                    |  |  |
|                     | B-BC: - BCOBA                               |                                    |  |  |
|                     |   | <ul> <li>Susceptible to</li> </ul> | clipping   |  |
|                     | Calling party number:                       | <ul> <li>correct numbe</li> </ul>  | r (user provided) acc. to IXIT                     |  |
|                     | QoS:  | - Unspecified Q                    | oS class   |  |
| Node-to-Node        |   |                                    |  |  |
| cross-reference     |   |                                    |  |  |
| Comments:           | CLIP - user provided, verified and passed   |                                    |  |  |
| Pre-test-condition: | En bloc sending is used.                    | The requested CLI                  | P service is supported at the destination exchange |  |

| 3.1.5               | Ref. to ETS 300 092-1 [6       | 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, verif                | ed and passed) including calling party sub-address   |  |
|                     | are present at the destination | on access                      |  |  |
| Configuration:      | Configuration 1                |                                |  |  |
| Parameter values:   | For SETUP:                     |                                |  |  |
|                     | AAL Parameters:                | <ul> <li>AAL type 1</li> </ul> |  |  |
|                     | ATM Traffic Descriptor:        | - PCR: acc. to                 | ) IXIT   |  |
|                     |                                | - Forward pea                  | ak cell rate (CLP=0+1)                               |  |
|                     |                                | - Backward p                   | eak cell rate (CLP=0+1)                              |  |
|                     | B-BC:                          | - BCOBA                        |  |  |
|                     |                                | - Susceptible                  | to clipping  |  |
|                     | Calling party number:          | - correct num                  | ber (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, verifi   | ed and passed                  | with calling party sub-address                       |  |
| Pre-test-condition: | En bloc sending is used. The   | ne requested C                 | LIP service is supported at the destination exchange |  |

| 3.1.6               | Ref. to ETS 300 092-1 [6  | 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 (netw                                      | ork provided) a   | and the additional CLI (user provided, not screened)   |  |  |
|                     | including the calling party s                                     | ub-address ar   | e present at the destination access                    |  |  |
| Configuration:      | Configuration 1   |   |  |  |  |
| Parameter values:   | For SETUP:  |   |  |  |  |
|                     | AAL Parameters:   | <ul> <li>AAL type 1</li> </ul>                                  |  |  |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to  | DIXIT  |  |  |
|                     |   | - Forward pea   | ak cell rate (CLP=0+1)                                 |  |  |
|                     |   | <ul> <li>Backward p</li> </ul>                                  | eak cell rate (CLP=0+1)                                |  |  |
|                     | B-BC:   | - BCOBA   |  |  |  |
|                     |   | - Susceptible to clipping                                       |  |  |  |
|                     | Calling party number:   | <ul> <li>correct number (user provided) acc. to IXIT</li> </ul> |  |  |  |
|                     | Calling party sub-address:  | <ul> <li>acc. to IXIT</li> </ul>                                |  |  |  |
|                     | 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                                      | he "No screeni  | ng function" is supported at the originating exchange. |  |  |
|                     | The requested CLIP servic   | e and the "Two  | calling party number information elements delivery     |  |  |
|                     | option" are supported at the                                      | e destination e   | xchange  |  |  |

| 3.1.7               | Ref. to ETS 300 092-1 [6   | 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 a   | CCESS. The sec                                | cond calling party number (i.e. network provided) is  |  |  |
|                     | not present at the destination   | Jn access                                     |   |  |  |
| Configuration:      | Configuration 1  |   |   |  |  |
| Parameter values:   | For SETUP:   |   |   |  |  |
|                     | AAL Parameters:  | - AAL type 1                                  |   |  |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to                                | IXIT  |  |  |
|                     |  | - Forward pea                                 | ak cell rate (CLP=0+1)                                |  |  |
|                     |  | - Backward p                                  | eak 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 e   | lements delive                                | ry option"  |  |  |

| 3.1.8               | Ref. to ETS 300 092-1 [6   | 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 (netw   | ork provided) a                  | and the additional CLI (user provided, verified and     |
|                     | failed) including the calling  | party sub-addr                   | ess 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 pea                    | ak cell rate (CLP=0+1)                                  |
|                     |  | - Backward p                     | eak cell rate (CLP=0+1)                                 |
|                     | B-BC:  | - BCOBA                          |   |
|                     |  | <ul> <li>Susceptible</li> </ul>  | to clipping   |
|                     | Calling party number:  | - incorrect nu                   | umber (user provided) acc. to IXIT                      |
|                     | Calling party sub-address:   | <ul> <li>acc. to IXIT</li> </ul> |   |
|                     | 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   | ne "No screenii                  | ng function" is <b>not</b> supported at the originating |
|                     | exchange. The requested (  | CLIP service ar                  | nd the "Two-calling party number information            |
|                     | elements delivery option" a  | re supported a                   | t 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 (netwo   | ork provided) a                               | and the additional CLI (user provided, not screened)   |  |  |
|                     | including the calling party s   | ub-address are                                | e present at the destination access and that both      |  |  |
|                     | numbers are presented in the  | ne internationa                               | l format   |  |  |
| Configuration:      | Configuration 1   |   |  |  |  |
| Parameter values:   | For SETUP:  |   |  |  |  |
|                     | AAL Parameters:   | - AAL type 1                                  |  |  |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to                                | IXIT   |  |  |
|                     | -   | - Forward pea                                 | ak cell rate (CLP=0+1)                                 |  |  |
|                     |   | - Backward pe                                 | eak 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. Th   | ne "No screenir                               | ng function" is supported at the originating exchange. |  |  |
|                     | The requested CLIP service  | e and the "Two                                | -calling party number information elements delivery    |  |  |
|                     | option" are supported at the  | e destination ex                              | change   |  |  |

| 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 p | arty 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 pea                    | k cell rate (CLP=0+1)                                 |  |
|                     |                              | <ul> <li>Backward per</li> </ul> | eak cell rate (CLP=0+1)                               |  |
|                     | B-BC:                        | - BCOBA                          |   |  |
|                     |                              | - Susceptible                    | to clipping   |  |
|                     | Calling party number:        | - wrong calling                  | g 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 C                  | LIR service is supported at the origination exchange. |  |
|                     | Origination access provide   | es a wrong callir                | g 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 p<br>present at the destination          | arty number (i.e access              | . network provided) without any number digits is   |
| Configuration:      | Configuration 1   |                                      |  |
| Parameter values:   | For SETUP:  |                                      |  |
|                     | AAL Parameters:   | - AAL type 1                         |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to                       | ) IXIT   |
|                     |   | - Forward pea                        | ak cell rate (CLP=0+1)   |
|                     |   | - Backward p                         | eak cell rate (CLP=0+1)  |
|                     | B-BC:   | - BCOBA                              |  |
|                     |   | - Susceptible                        | to clipping  |
|                     | Calling party number:   | - no calling pa                      | arty number  |
|                     | QoS:  | - Unspecified                        | QoS class  |
| Node-to-Node        |   |                                      |  |
| cross-reference     |   |                                      |  |
| Comments:           | CLIR - network provided   |                                      |  |
| Pre-test-condition: | En bloc sending is used. <sup>-</sup><br>Origination access provide | The requested C<br>es no calling par | LIR service is supported at the origination exchange.<br>ty number and no calling party sub-address i.e. |
|                     | Crigination access provide  | co no canny par                      | ty number and no bailing 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 pa       | rty 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   | DIXIT   |  |
|                     |                                     | - Forward pea    | ak cell rate (CLP=0+1)                                |  |
|                     | - Backward peak cell rate (CLP=0+1) |                  |   |  |
|                     | B-BC:                               | - BCOBA          |   |  |
|                     |                                     | - Susceptible    | to clipping   |  |
|                     | Calling party number:               | - no calling pa  | arty 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        | ne requested C   | LIR service is supported at the origination exchange. |  |
|                     | Origination access provides         | s no calling par | ty 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 part           | y number (i.e.                                | user provided, verified and passed) without any      |  |  |
|                     | number digits is present at th            | ne destination a                              | access   |  |  |
| Configuration:      | Configuration 1                           |   |  |  |  |
| Parameter values:   | For SETUP:                                |   |  |  |  |
|                     | AAL Parameters:                           | <ul> <li>AAL type 1</li> </ul>                |  |  |  |
|                     | ATM Traffic Descriptor: -                 | PCR: acc. to                                  | XIT  |  |  |
|                     | -   | <ul> <li>Forward peak</li> </ul>              | 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 C                               | loŚ class  |  |  |
| Node-to-Node        |   |   |  |  |  |
| cross-reference     |   |   |  |  |  |
| Comments:           | CLIR - user provided, verified and passed |   |  |  |  |
| Pre-test-condition: | En bloc sending is used. The              | e requested CL                                | IR service is supported at the origination exchange. |  |  |
|                     | Origination access provides               | a correct callin                              | g party number but no calling party sub-address i.e. |  |  |

| 3.2.5               | Ref. to ETS 300 093-1 [7   | 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 part                                    | rty number (i.e.                 | user provided, verified and passed) without any      |  |
|                     | number digits and no calling                                       | g party sub-addr                 | ess 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                   | XIT  |  |
|                     |  | - Forward peak                   | cell rate (CLP=0+1)                                  |  |
|                     |  | - Backward pea                   | ak 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:   | <ul> <li>acc. to IXIT</li> </ul> |  |  |
|                     | QoS:   | - Unspecified C                  | loS class  |  |
| Node-to-Node        |  |                                  |  |  |
| cross-reference     |  |                                  |  |  |
| Comments:           | CLIR - user provided, verified                                     | ed and passed                    |  |  |
| Pre-test-condition: | En bloc sending is used. Th  | ne requested CL                  | IR service is supported at the origination exchange. |  |
|                     | Origination access provides  | s a correct callin               | g 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<br>number (i.e. user provided,<br>sub-address i.e. are presen                                     | number (i.e. r<br>not screened)<br>t at the destina   | etwork provided) and an additional calling party<br>both without any number digits and no calling party<br>tion access      |
| Configuration:      | Configuration 1  |   |   |
| Parameter values:   | For SETUP:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>Calling party number:<br>Calling party sub-address:<br>QoS: | <ul> <li>AAL type 1</li> <li>PCR: acc. to</li> <li>Forward pea</li> <li>Backward pe</li> <li>BCOBA</li> <li>Susceptible</li> <li>correct numl</li> <li>acc. to IXIT</li> <li>Unspecified</li> </ul> | a IXIT<br>ak cell rate (CLP=0+1)<br>eak cell rate (CLP=0+1)<br>to clipping<br>per (user provided) acc. to IXIT<br>QoS class |
| Node-to-Node        |  |   |   |
| cross-reference     |  |   |   |
| Comments:           | CLIR - user provided, not so   | creened   |   |
| Pre-test-condition: | En bloc sending is used. Th<br>supported at the origination<br>delivery option" is supported                                     | e requested C<br>exchange. Th<br>d at the destina   | LIR service and the "No screening function" are<br>e "Two-calling party number information elements<br>ation 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  |  |  |  |
|                     | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>   |  |  |  |
|                     | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>  |  |  |  |
|                     | 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 connecte | d number (i.e. r               | network provided) is present at the origination access |  |
| Configuration:      | Configuration 1             |                                |  |  |
| Parameter values:   | For SETUP:                  |                                |  |  |
|                     | AAL Parameters:             | <ul> <li>AAL type 1</li> </ul> |  |  |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to                 | IXIT   |  |
|                     |                             | - Forward pea                  | k cell rate (CLP=0+1)                                  |  |
|                     |                             | - Backward pe                  | eak cell rate (CLP=0+1)                                |  |
|                     | B-BC: - BCOBA               |                                |  |  |
|                     | - Susceptible to clipping   |                                |  |  |
|                     | QoS:                        | - Unspecified                  | QoS class  |  |
|                     |                             |                                |  |  |
|                     | For Connect:                |                                |  |  |
|                     | Connected number:           | - wrong conne                  | ected number acc. to IXIT                              |  |
| Node-to-Node        |                             |                                |  |  |
| cross-reference     |                             |                                |  |  |
| Comments:           | COLP - network provided     | without connect                | ed sub-address   |  |
| Pre-test-condition: | En bloc sending is used. T  | he requested C                 | OLP service is supported at the origination            |  |
|                     | exchange. Destination acc   | ess 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 connect  | ed number (i.e. i  | network provided) is present at the origination access                                  |
| Configuration:      | Configuration 1   |  |   |
| Parameter values:   | For SETUP:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>QoS: | - AAL type 1<br>- PCR: acc. to<br>- Forward pea<br>- Backward p<br>- BCOBA<br>- Susceptible<br>- Unspecified | o IXIT<br>ak cell rate (CLP=0+1)<br>eak cell rate (CLP=0+1)<br>to clipping<br>QoS class |
| Node-to-Node        | For Connect:<br>Connected number:   | - no connecte  | d number  |
| Comments:           | COLP - network provided   | without connect  | ed sub-address  |
| Pre-test-condition: | En bloc sending is used.<br>exchange. Destination ac                      | The requested C  | OLP service is supported at the origination   |

| 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 connecte                        | ed number (i.e. i              | network provided) and the connected sub-address i.e. |  |  |
|                     | are present at the originati                       | on access                      |  |  |  |
| Configuration:      | Configuration 1                                    |                                |  |  |  |
| Parameter values:   | For SETUP:   |                                |  |  |  |
|                     | AAL Parameters:                                    | <ul> <li>AAL type 1</li> </ul> |  |  |  |
|                     | ATM Traffic Descriptor:                            | - PCR: acc. to                 |  |  |  |
|                     |  | - Forward pea                  | ak cell rate (CLP=0+1)                               |  |  |
|                     |  | - Backward p                   | eak cell rate (CLP=0+1)                              |  |  |
|                     | B-BC:  | - BCOBA                        |  |  |  |
|                     |  | - Susceptible to clipping      |  |  |  |
|                     | QoS:   | - Unspecified                  | QoS class  |  |  |
|                     | For Connect:                                       |                                |  |  |  |
|                     | Connected number:                                  | no connocto                    | d number   |  |  |
|                     | Connected number.                                  |                                |  |  |  |
| Neda ta Nada        | Connected sub-address.                             |                                |  |  |  |
| Node-to-Node        |  |                                |  |  |  |
| cross-reference     |  |                                |  |  |  |
| Comments:           | COLP - network provided with connected sub-address |                                |  |  |  |
| Pre-test-condition: | En bloc sending is used. T                         | he requested C                 | OLP service is supported at the origination          |  |  |
|                     | exchange. Destination acc                          | ess provides no                | connected number but a connected sub-address         |  |  |

| 3.3.4               | Ref. to ETS 300 097-1 [     | / clause 5 Other relevant ref.: ETS 30                | 0 443-1 [1] / clause 5 |  |  |
|---------------------|-----------------------------|---|------------------------|--|--|
| TSS reference:      | B_ISDN/SS/COLP              |   |                        |  |  |
| Selection criteria: |                             |   |                        |  |  |
| Test purpose:       | To verify that the connecte | number (i.e. user provided, verified and pase         | sed) 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                                   |                        |  |  |
|                     |                             | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>  |                        |  |  |
|                     |                             | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul> |                        |  |  |
|                     | 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, ver   | ed and passed with connected sub-address              |                        |  |  |
| Pre-test-condition: | En bloc sending is used. T  | e requested COLP service is supported at th           | e origination          |  |  |
|                     | exchange. Destination acc   | ss 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 Operator  |  |  |  |
|                     | For Connect:  |  |  |  |
|                     | Connected number: - correct connected number (user provided) acc. to IXI                        |  |  |  |
| 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 connecte                                   | d number (i.e. u          | ser provided, not screened) including the connected |  |  |
|                     | sub-address are present a                                     | t the destination         | access  |  |  |
| Configuration:      | Configuration 1   |                           |   |  |  |
| Parameter values:   | For SETUP:  |                           |   |  |  |
|                     | AAL Parameters:   | - AAL type 1              |   |  |  |
|                     | ATM Traffic Descriptor:                                       | - PCR: acc. to            | IXIT  |  |  |
|                     |   | - Forward pea             | k cell rate (CLP=0+1)                               |  |  |
|                     |   | - Backward pe             | eak cell rate (CLP=0+1)                             |  |  |
|                     | B-BC:   | - BCOBA                   |   |  |  |
|                     |   | - Susceptible to clipping |   |  |  |
|                     | QoS:  | - Unspecified (           | QoS class   |  |  |
|                     | For Connect:  |                           |   |  |  |
|                     | Connected number:   | - correct conne           | ected 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. T                                    | he requested Co           | OLP service is supported at the origination         |  |  |
|                     | exchange. Destination acc                                     | ess provides a c          | correct connected number and a connected            |  |  |
|                     | sub-address. The "No scre                                     | ening 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<br>5 |  |
|---------------------|------------------------------------|---|--|--|
| TSS reference:      | B_ISDN/SS/COLP                     |   | ·  |  |
| Selection criteria: |                                    |   |  |  |
| Test purpose:       | To verify that the connected       | ed number (i.e. us  | er provided, not screened) is present at the         |  |
|                     | destination access                 |   |  |  |
| Configuration:      | Configuration 1                    |   |  |  |
| Parameter values:   | For SETUP:                         |   |  |  |
|                     | AAL Parameters:                    | <ul> <li>AAL type 1</li> </ul>  |  |  |
|                     | ATM Traffic Descriptor:            | - PCR: acc. to I  | XIT  |  |
|                     |                                    | <ul> <li>Forward peak</li> </ul>  | cell rate (CLP=0+1)                                  |  |
|                     |                                    | - Backward pea  | k cell rate (CLP=0+1)                                |  |
|                     | B-BC:                              | - BCOBA   |  |  |
|                     |                                    | - Susceptible to  | clipping   |  |
|                     | QoS:                               | - Unspecified Q   | oS class   |  |
|                     |                                    |   |  |  |
|                     | For Connect:                       |   |  |  |
|                     | Connected number:                  | - correct connect   | cted 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.           | En bloc sending is used. The requested COLP service is supported at the origination |  |  |
|                     | exchange. Destination acc          | cess provides a co  | rrect connected number but no connected              |  |
|                     | sub-address. The "No scr           | eening 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                          | To verify that the connected number (i.e. network provided) without any number digits is |   |  |
|                     | present at the origination                            | present at the origination access  |   |  |
| Configuration:      | Configuration 1                                       |  |   |  |
| Parameter values:   | For SETUP:  |  |   |  |
|                     | AAL Parameters:                                       | <ul> <li>AAL type 1</li> </ul>   |   |  |
|                     | ATM Traffic Descriptor:                               | - PCR: acc. to   | ) IXIT  |  |
|                     |   | <ul> <li>Forward pea</li> </ul>  | ak cell rate (CLP=0+1)                            |  |
|                     |   | <ul> <li>Backward per</li> </ul>   | eak cell rate (CLP=0+1)                           |  |
|                     | B-BC:   | - BCOBA  |   |  |
|                     |   | <ul> <li>Susceptible</li> </ul>  | to clipping                                       |  |
|                     | QoS:  | <ul> <li>Unspecified</li> </ul>  | QoS class   |  |
|                     | For Connect:  |  |   |  |
|                     | Connected number:                                     | - wrong conne  | ected 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 C  | OLR service is supported at the destination       |  |
|                     | exchange. Destination ac                              | cess 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 connecte                           | ed number (i.e. r               | network provided) without any number digits is    |
|                     | present at the origination a                          | access                          |   |
| Configuration:      | Configuration 1                                       |                                 |   |
| Parameter values:   | For SETUP:  |                                 |   |
|                     | AAL Parameters:                                       | <ul> <li>AAL type 1</li> </ul>  |   |
|                     | ATM Traffic Descriptor:                               | - PCR: acc. to                  | IXIT  |
|                     |   | - Forward pea                   | ak cell rate (CLP=0+1)                            |
|                     |   | - Backward pe                   | eak cell rate (CLP=0+1)                           |
|                     | B-BC:   | - BCOBA                         |   |
|                     |   | <ul> <li>Susceptible</li> </ul> | to clipping                                       |
|                     | QoS:  | <ul> <li>Unspecified</li> </ul> | QoS class   |
|                     |   |                                 |   |
|                     | For Connect:  |                                 |   |
|                     | Connected number:                                     | - no connecte                   | d number  |
| Node-to-Node        |   |                                 |   |
| cross-reference     |   |                                 |   |
| Comments:           | COLR - network provided without connected sub-address |                                 |   |
| Pre-test-condition: | En bloc sending is used. T                            | The requested C                 | OLR service is supported at the destination       |
|                     | exchange. Destination acc                             | cess 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 connecte  | ed number (i.e. i               | 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:  | <ul> <li>AAL type 1</li> </ul>  |   |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to                  | DIXIT   |  |
|                     |  | <ul> <li>Forward pea</li> </ul> | ak cell rate (CLP=0+1)                            |  |
|                     |  | <ul> <li>Backward p</li> </ul>  | eak cell rate (CLP=0+1)                           |  |
|                     | B-BC:  | - BCOBA                         |   |  |
|                     |  | <ul> <li>Susceptible</li> </ul> | to clipping                                       |  |
|                     | QoS:   | - Unspecified QoS class         |   |  |
|                     | For Connect:   |                                 |   |  |
|                     | Connected number:  | <ul> <li>no connecte</li> </ul> | d number  |  |
|                     | Connected sub-address:   | - acc. to IXIT                  |   |  |
| Node-to-Node        |  |                                 |   |  |
| cross-reference     |  |                                 |   |  |
| Comments:           | COLR - network provided  |                                 |   |  |
| Pre-test-condition: | En bloc sending is used. T   | he requested C                  | OLR service is supported at the destination       |  |
|                     | exchange. Destination acc  | ess 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   | d number (i.e. ι  | user provided, verified and passed) is present without |  |
|                     | any number digits and the  | 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:  | <ul> <li>AAL type 1</li> </ul>  |  |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to  | IXIT   |  |
|                     |  | <ul> <li>Forward pea</li> </ul>   | ak cell rate (CLP=0+1)                                 |  |
|                     |  | <ul> <li>Backward per</li> </ul>  | eak cell rate (CLP=0+1)                                |  |
|                     | B-BC:  | - BCOBA   |  |  |
|                     |  | - Susceptible to clipping   |  |  |
|                     | QoS:   | - Unspecified QoS class   |  |  |
|                     | For Connect:   |   |  |  |
|                     | Connected number:  | <ul> <li>correct conn</li> </ul>  | ected number (user provided) acc. to IXIT              |  |
|                     | Connected sub-address:   | <ul> <li>acc. to IXIT</li> </ul>  |  |  |
| 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   | he requested C  | OLR service is supported at the destination            |  |
|                     | exchange. Destination acco   | ess 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 conn  | ected sub-add   | ress i.e. is not present at the origination access |  |  |
| Configuration:      | Configuration 1   |   |  |  |  |
| Parameter values:   | For SETUP:  |   |  |  |  |
|                     | AAL Parameters:   | <ul> <li>AAL type 1</li> </ul>  |  |  |  |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to  | DIXIT  |  |  |
|                     |   | - Forward pea   | ak cell rate (CLP=0+1)                             |  |  |
|                     |   | <ul> <li>Backward p</li> </ul>  | eak cell rate (CLP=0+1)                            |  |  |
|                     | B-BC:   | - BCOBA   |  |  |  |
|                     |   | - Susceptible to clipping   |  |  |  |
|                     | QoS:  | - Unspecified QoS class   |  |  |  |
|                     | For Connect:  |   |  |  |  |
|                     | Connected number:   | <ul> <li>correct conr</li> </ul>  | ected 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  | En bloc sending is used. The requested COLR service is supported at the destination |  |  |  |
|                     | exchange. Destination acce  | ess provides a  | correct connected number and a connected           |  |  |
|                     | sub-address. The "No scre   | ening function"   | is supported at the destination exchange           |  |  |

# 5.4.5 Sub-addressing (SUB)

| 3.5.1               | Ref. to ETS 300 667-1 [18     | 3] / 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 par | ty sub-address                 | i.e. is present at the destination access           |  |
| Configuration:      | Configuration 1               |                                |   |  |
| Parameter values:   | For SETUP:                    |                                |   |  |
|                     | AAL Parameters:               | <ul> <li>AAL type 1</li> </ul> |   |  |
|                     | ATM Traffic Descriptor:       | - PCR: acc. to                 | IXIT  |  |
|                     |                               | - Forward pea                  | k cell rate (CLP=0+1)                               |  |
|                     |                               | - Backward pe                  | eak 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-add    | SUB - called party sub-address |   |  |
| Pre-test-condition: | En bloc sending is used. Th   | ne requested S                 | UB 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 par<br>sub-address i.e and the call<br>that the connected number (<br>sub-address i.e. are present  | ty number (i.e<br>ed party sub-a<br>(i.e. user provi<br>t at the origina  | . user provided, verified and passed), the calling party<br>iddress i.e. are present at the destination access and<br>ded, verified and passed) and the connected<br>tion access |
| Configuration:      | Configuration 1  |   |  |
| Parameter values:   | For SETUP:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>QoS:<br>Calling party number:<br>Calling party sub-address:<br>Called party sub-address:<br>For Connect:<br>Connected number:   | <ul> <li>AAL type 1</li> <li>PCR: acc. to</li> <li>Forward pea</li> <li>Backward pe</li> <li>BCOBA,</li> <li>Susceptible</li> <li>Unspecified</li> <li>correct num</li> <li>acc. to IXIT</li> <li>acc. to IXIT</li> <li>correct conr</li> </ul> | ) IXIT<br>ak cell rate (CLP=0+1)<br>eak cell rate (CLP=0+1)<br>to clipping<br>QoS class<br>ber (user provided) acc. to IXIT  |
| Nada ta Nada        | Connected sub-address:   | - acc. to IXII  |  |
| NODE-TO-NODE        |  |   |  |
| Comments:           | SLIB - combined  |   |  |
| Pre-test-condition  | En bloc sending is used. Th  | e requested S   | LIB service is supported at the destination exchange   |
|                     | En bloc sending is used. The requested SUB service is supported at the destination exchange.<br>The requested CLIP service is supported at the destination exchange. The requested COLP<br>service is supported at the origination exchange. Destination access provides a correct<br>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                   | 8-1 [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-u          | user information                | n send in the SETUP message is successfully          |
|                     | transported and present a             |                                 | II access  |
| Configuration:      | Configuration 1                       |                                 |  |
| Parameter values:   | For SETUP:                            |                                 |  |
|                     | AAL Parameters:                       | - AAL type 1                    |  |
|                     | ATM Traffic Descriptor:               | - PCR: acc. 1                   | to IXIT  |
|                     | · · · · · · · · · · · · · · · · · · · | - Forward pe                    | ak cell rate (CI P=0+1)                              |
|                     |                                       | - Backward                      | (C P = 0 + 1)  |
|                     | P PC.                                 |                                 |  |
|                     | D-DC.                                 |                                 |  |
|                     |                                       | - Susceptible                   | to clipping  |
|                     | QoS:                                  | <ul> <li>Unspecified</li> </ul> | d 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                   | JUS service is supported at the origination exchange |

| 3.6.2               | Ref. to ETS 300 668  | 3-1 [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-u<br>successfully transported a | user information nd present at t                     | n send in the SETUP and the ALERT messages are<br>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 pe   | eak cell rate (CLP=0+1)  |  |
|                     |  | - Backward   | peak cell rate (CLP=0+1)   |  |
|                     | B-BC:  | - BCOBA  |  |  |
|                     |  | - Susceptible to clipping<br>- Unspecified QoS class |  |  |
|                     | QoS:   |  |  |  |
|                     | User-user: acc. to IXIT                                    |  |  |  |
|                     |  |  |  |  |
|                     | For ALERT:   |  |  |  |
|                     | User-user:   | - acc. to IXI  | Г  |  |
| Node-to-Node        |  |  |  |  |
| cross-reference     |  |  |  |  |
| Comments:           | UUS - SETUP/ALERT  |  |  |  |
| Pre-test-condition: | En bloc sending is used. T                                 | he requested   | UUS service is supported at the origination and  |  |
|                     | destination exchange                                       |  |  |  |

| 3.6.3               | Ref. to ETS 300 66           | 68-1 [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-u | ser information s | end in the SETUP and the CONNECT messages         |
|                     | are successfully transporte  | ed 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 I  | XIT   |
|                     |                              | - Forward peak    | cell rate (CLP=0+1)                               |
|                     |                              | - Backward pea    | ak cell rate (CLP=0+1)                            |
|                     | B-BC:                        | - BCOBA           |   |
|                     |                              | - Susceptible to  | o clipping  |
|                     | QoS:                         | - Unspecified C   | loS 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. T   | he requested UU   | S service is supported at the origination and     |
|                     | destination exchange         |                   |   |

| 3.6.4               | Ref. to ETS 300 66           | 68-1 [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-u | user information                 | send in the SETUP and in the ALERT and               |
|                     | CONNECT messages are         | e successfully tra               | insported and present at the destination/origination |
|                     | access, respectively         |                                  |  |
| Configuration:      | Configuration 1              |                                  |  |
| Parameter values:   | For SETUP:                   |                                  |  |
|                     | AAL Parameters:              | <ul> <li>AAL type 1</li> </ul>   |  |
|                     | ATM Traffic Descriptor:      | - PCR: acc. to                   | ) IXIT   |
|                     |                              | <ul> <li>Forward pea</li> </ul>  | ak cell rate (CLP=0+1)                               |
|                     |                              | <ul> <li>Backward p</li> </ul>   | eak cell rate (CLP=0+1)                              |
|                     | B-BC:                        | - BCOBA                          |  |
|                     |                              | <ul> <li>Susceptible</li> </ul>  | to clipping  |
|                     | QoS:                         | <ul> <li>Unspecified</li> </ul>  | QoS class  |
|                     | User-user:                   | <ul> <li>acc. to IXIT</li> </ul> |  |
|                     | For ALERT:                   |                                  |  |
|                     | User-user:                   | - acc. to IXIT                   |  |
|                     | For CONNECT:                 |                                  |  |
|                     | User-user:                   | - acc. to IXIT                   |  |
| Node-to-Node        |                              |                                  |  |
| cross-reference     |                              |                                  |  |
| Comments:           | UUS - SETUP/ALERT/CC         | NNECT                            |  |
| Pre-test-condition: | En bloc sending is used.     | The requested U                  | US service is supported at the origination and       |
|                     | destination exchange         |                                  |  |

| 3.6.5               | Ref. to ETS 300 66   | 68-1 [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-u<br>are successfully transport | user information<br>ed and present | send in the SETUP and the RELEASE messages<br>at the destination access |
| Configuration:      | Configuration 1  |                                    |   |
| Parameter values:   | For SETUP:   |                                    |   |
|                     | AAL Parameters:  | - AAL type 1                       |   |
|                     | ATM Traffic Descriptor:                                    | - PCR: acc. to                     | ) IXIT  |
|                     | -  | - Forward pea                      | ak cell rate (CLP=0+1)  |
|                     |  | - Backward p                       | eak 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 U                    | US service is supported at the origination and                          |
|                     | destination exchange. Cal                                  | lling party releas                 | ed the call   |

| 3.6.6               | Ref. to ETS 300 6            | 68-1 [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-u | ser information s                  | end in the SETUP and the RELEASE messages         |
|                     | are successfully transported | ed 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  |
|                     |                              | <ul> <li>Forward peak</li> </ul>   | cell rate (CLP=0+1)                               |
|                     |                              | <ul> <li>Backward pea</li> </ul>   | ak cell rate (CLP=0+1)                            |
|                     | B-BC:                        | - BCOBA                            |   |
|                     |                              | <ul> <li>Susceptible to</li> </ul> | o clipping  |
|                     | QoS:                         | - Unspecified C                    | loS class   |
|                     | User-user:                   | <ul> <li>acc. to IXIT</li> </ul>   |   |
|                     |                              |                                    |   |
|                     | For RELEASE:                 |                                    |   |
|                     | User-user:                   | <ul> <li>acc. to IXIT</li> </ul>   |   |
| Node-to-Node        |                              |                                    |   |
| cross-reference     |                              |                                    |   |
| Comments:           | UUS - SETUP/RELEASE          |                                    |   |
| Pre-test-condition: | En bloc sending is used. T   | he requested UL                    | IS service is supported at the origination and    |
|                     | destination exchange. Cal    | led party released                 | d the call  |

| 3.6.7               | Ref. to ETS 300 6           | 68-1 [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 s                 | end in the SETUP, the ALERT, the CONNECT and      |
|                     | the RELEASE messages        | are successfully t                 | ransported and present at the                     |
|                     | destination/origination acc | cess, respectively                 |   |
| Configuration:      | Configuration 1             |                                    |   |
| Parameter values:   | For SETUP:                  |                                    |   |
|                     | AAL Parameters:             | <ul> <li>AAL type 1</li> </ul>     |   |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to                     | IXIT  |
|                     |                             | - Forward peak                     | c cell rate (CLP=0+1)                             |
|                     |                             | <ul> <li>Backward per</li> </ul>   | ak cell rate (CLP=0+1)                            |
|                     | B-BC:                       | - BCOBA                            |   |
|                     |                             | <ul> <li>Susceptible to</li> </ul> | o clipping  |
|                     | QoS:                        | <ul> <li>Unspecified C</li> </ul>  | QoS class   |
|                     | User-user:                  | <ul> <li>acc. to IXIT</li> </ul>   |   |
|                     | For ALERT:                  |                                    |   |
|                     | User-user:                  | <ul> <li>acc. to IXIT</li> </ul>   |   |
|                     | For CONNECT:                |                                    |   |
|                     | User-user:                  | <ul> <li>acc. to IXIT</li> </ul>   |   |
|                     | For RELEASE:                |                                    |   |
|                     | User-user:                  | <ul> <li>acc. to IXIT</li> </ul>   |   |
| Node-to-Node        |                             |                                    |   |
| cross-reference     |                             |                                    |   |
| Comments:           | UUS - SETUP/ALERT/CC        | NNECT/RELEAS                       | SE  |
| Pre-test-condition: | En bloc sending is used.    | The requested UL                   | IS service is supported at the origination and    |
|                     | destination exchange        |                                    |   |

| 3.6.8               | Ref. to ETS 300 6            | 68-1 [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-u | user information s             | end in the SETUP and the RELEASE COMPLETE         |
|                     | messages are successfully    | y transported and              | present at the destination/origination access,    |
| O                   |                              |                                |   |
| Configuration:      | Configuration 1              |                                |   |
| Parameter values:   | For SETUP:                   |                                |   |
|                     | AAL Parameters:              | <ul> <li>AAL type 1</li> </ul> |   |
|                     | ATM Traffic Descriptor:      | - PCR: acc. to                 | IXIT  |
|                     |                              | - Forward peak                 | cell rate (CLP=0+1)                               |
|                     |                              | - Backward ne                  | ak cell rate (CLP=0+1)                            |
|                     | B-BC                         |                                |   |
|                     | 0.00.                        | Susceptible to                 | clipping  |
|                     | 0.05                         |                                |   |
|                     | Q05.                         | - Unspecified C                | 205 class   |
|                     | User-user:                   | - acc. to IXII                 |   |
|                     | For RELEASE COMPLET          | E:                             |   |
|                     | User-user:                   | - acc. to IXIT                 |   |
| Node-to-Node        |                              |                                |   |
| cross-reference     |                              |                                |   |
| Comments:           | UUS - SETUP/RELEASE          | COMPLETE                       |   |
| Pre-test-condition: | En bloc sending is used. T   | he requested UL                | IS service is supported at the origination and    |
|                     | destination exchange. No     | ALERT or CONN                  | ECT 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)  |  |
|                     | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>   |  |
|                     | 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 [2   | 0], 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 sar  | me CUG  |
| Configuration:      | Configuration 1  |   |
| Parameter values:   | For SETUP:   |   |
|                     | AAL Parameters:  | - AAL type 1  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to IXIT   |
|                     |  | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>                |
|                     |  | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>               |
|                     | 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. Bot  | h 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 [2    | 20], Q.955 [32]     | Other relevant ref.: ETS 300 443-1 [1] / clause 5   |
|---------------------|-----------------------------|---------------------|---|
| TSS reference:      | B_ISDN/SS/CUG               |                     | <b>b d</b>  |
| Selection criteria: |                             |                     |   |
| Test purpose:       | To verify that the CUG cal  | I (explicit request | , OA requested, could be successfully established   |
|                     | to an access that is not me | ember of any CU     | G   |
| Configuration:      | Configuration 1             |                     |   |
| Parameter values:   | For SETUP:                  |                     |   |
|                     | AAL Parameters:             | - AAL type 1        |   |
|                     | ATM Traffic Descriptor:     | - PCR: acc. to      | XIT   |
|                     |                             | - Forward peak      | cell rate (CLP=0+1)                                 |
|                     |                             | - Backward pea      | ak cell rate (CLP=0+1)                              |
|                     | B-BC:                       | - BCOBA             |   |
|                     |                             | - Susceptible to    | o clipping  |
|                     | QoS:                        | - Unspecified C     | loS class   |
|                     | CUG:                        | - OA requested      |   |
|                     |                             | - CUG index co      | de acc. to IXIT                                     |
| Node-to-Node cross- |                             |                     |   |
| reference           |                             |                     |   |
| Comments:           | CUG - SETUP (explicit rec   | quest)              |   |
| Pre-test-condition: | En bloc sending is used. T  | he requested CL     | G service is supported at the origination exchange. |
|                     | The called access does no   | ot belong any CU    | G   |

| 3.7.4               | Ref. to ETS 300 770-1 [20], Q.95   | 5 [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 ne   | work that does not support the CUG supplementary service  |
| Configuration:      | Configuration 1  |   |
| Parameter values:   | For SETUP:   |   |
|                     | AAL Parameters: - AAL  | /pe 1   |
|                     | ATM Traffic Descriptor: - PCR:   | acc. to IXIT  |
|                     | - Forw   | rd peak cell rate (CLP=0+1)                               |
|                     | - Back   | /ard peak cell rate (CLP=0+1)                             |
|                     | B-BC: - BCO  | A   |
|                     | - Susc   | ptible to clipping  |
|                     | QoS: - Unsp  | cified QoS class  |
|                     | CUG: - OA re   | quested   |
|                     | - CUG  | ndex 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  | upport CUG  |

| 3.7.5                           | Ref. to ETS 300 770-1 [2  | 0], 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 cal<br>but with IA (incoming acce  | I (explicit request), OA requested, to an access in a different CUG<br>ss) allowed could be successfully established   |
| Configuration:                  | Configuration 1   |  |
| Parameter values:               | For SETUP:<br>AAL Parameters:<br>ATM Traffic Descriptor:<br>B-BC:<br>QoS:<br>CUG:   | <ul> <li>AAL type 1</li> <li>PCR: acc. to IXIT</li> <li>Forward peak cell rate (CLP=0+1)</li> <li>Backward peak cell rate (CLP=0+1)</li> <li>BCOBA</li> <li>Susceptible to clipping</li> <li>Unspecified QoS class</li> <li>OA not requested</li> <li>CUG index code acc. to IXIT</li> </ul> |
| Node-to-Node<br>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 ICE  | 3 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  |
|                     |  | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>             |
|                     |  | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>            |
|                     | 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 inst  | alled. In the case of an international call administrative       |
|                     | arrangements concerning t  | he 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 (ex   | xplicit 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 I   | XIT   |  |
|                     | -                                 | Forward peak   | cell rate (CLP=0+1)                               |  |
|                     | -                                 | Backward pea   | k cell rate (CLP=0+1)                             |  |
|                     | B-BC: -                           | BCOBA  |   |  |
|                     | -                                 | Susceptible to   | clipping  |  |
|                     | QoS: -                            | Unspecified Q  | oS class  |  |
|                     | CUG: -                            | OA requested   |   |  |
|                     | -                                 | CUG index co   | de acc. to IXIT                                   |  |
| Node-to-Node        |                                   |  |   |  |
| cross-reference     |                                   |  |   |  |
| Comments:           | CUG - SETUP (explicit reques      | st)  |   |  |
| Pre-test-condition: | En bloc sending is used. The      | requested CU   | G service is supported at the origination and     |  |
|                     | destination exchange. The ac      | destination exchange. The accesses belong to different CUGs. At the destination access "IA |   |  |
|                     | not allowed" is installed. In the | e case of an in  | ternational 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 ca   | II (explicit request)              | , OA not requested, could be successfully         |
|                     | established to an access  | within the same C                  | UG  |
| Configuration:      | Configuration 1   |                                    |   |
| Parameter values:   | For SETUP:  |                                    |   |
|                     | AAL Parameters:   | - AAL type 1                       |   |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to I                   | XIT   |
|                     |   | <ul> <li>Forward peak</li> </ul>   | cell rate (CLP=0+1)                               |
|                     |   | <ul> <li>Backward pea</li> </ul>   | k cell rate (CLP=0+1)                             |
|                     | B-BC:   | - BCOBA                            |   |
|                     |   | <ul> <li>Susceptible to</li> </ul> | clipping  |
|                     | QoS:  | <ul> <li>Unspecified Q</li> </ul>  | oS class  |
|                     | CUG:  | - OA not reques                    | sted  |
|                     |   | <ul> <li>CUG index co</li> </ul>   | de acc. to IXIT                                   |
| Node-to-Node        |   |                                    |   |
| cross-reference     |   |                                    |   |
| Comments:           | CUG - SETUP (explicit re  | quest)                             |   |
| Pre-test-condition: | En bloc sending is used.  | The requested CU                   | G 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 t              | he case of an international call administrative   |
|                     | arrangements concerning   | the interlock code                 | are required                                      |

| 3.7.9               | Ref. to ETS 300 770-1 [2  | 0], 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 reques  | st), OA not requested, could be successfully      |
|                     | established to an access v  | vithin the same   | CUG   |
| Configuration:      | Configuration 1   |                   |   |
| Parameter values:   | For SETUP:  |                   |   |
|                     | AAL Parameters:   | - AAL type 1      |   |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to    | ) IXIT  |
|                     |   | - Forward pea     | ak cell rate (CLP=0+1)                            |
|                     |   | - Backward pe     | eak cell rate (CLP=0+1)                           |
|                     | B-BC:   | - BCOBA           |   |
|                     |   | - Susceptible     | to clipping                                       |
|                     | QoS:  | - Unspecified     | QoS class   |
|                     | CUG:  | - OA not requ     | ested   |
|                     |   | - CUG index of    | code acc. to IXIT                                 |
| Node-to-Node        |   |                   |   |
| cross-reference     |   |                   |   |
| Comments:           | CUG - SETUP (explicit rec   | luest)            |   |
| Pre-test-condition: | En bloc sending is used. T  | he requested C    | UG 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 | e case of an international call administrative    |
|                     | arrangements concerning   | the interlock co  | de are required                                   |

| 3.7.10              | Ref. to ETS 300 770-1 [2  | 0], 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 cal  | I (explicit request), OA not requested, to an access in a same CUG |  |  |
|                     | but with IA not allowed and   | d 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  |  |  |
|                     |   | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>               |  |  |
|                     |   | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>              |  |  |
|                     | 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), (  | DA not requested, to an access in a same CUG      |
|                     | but with IA allowed and IC  | B will be rejected w   | ith a Release, cause # 55                         |
| Configuration:      | Configuration 1   |                        |   |
| Parameter values:   | For SETUP:  |                        |   |
|                     | AAL Parameters:   | - AAL type 1           |   |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to IX      | Т   |
|                     |   | - Forward peak c       | ell rate (CLP=0+1)                                |
|                     |   | - Backward peak        | cell rate (CLP=0+1)                               |
|                     | B-BC:   | - BCOBA                |   |
|                     |   | - Susceptible to c     | lipping   |
|                     | QoS:  | - Unspecified Qo       | S class   |
|                     | CUG:  | - OA not requeste      | ed  |
|                     |   | - CUG index code       | e acc. to IXIT                                    |
| Node-to-Node        |   |                        |   |
| cross-reference     |   |                        |   |
| Comments:           | CUG - SETUP (explicit rec   | uest)                  |   |
| 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 ins  | talled. In the case of | f an international call administrative            |
|                     | arrangements concerning   | the interlock code a   | re required                                       |

| 3.7.12              | Ref. to ETS 300 770-1 [2  | 0], 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 cal  | I (explicit request), OA not requested, to an access in a different |  |  |
|                     | CUG but with IA not allowed   | ed 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   |  |  |
|                     |   | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>                |  |  |
|                     |   | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>               |  |  |
|                     | 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 co   | ode 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 reques | st), OA not requested, to an access in a different |
|                     | CUG but with IA allowed wil  | I be rejected w | <i>i</i> ith a Release, cause # 87                 |
| Configuration:      | Configuration 1  |                 |  |
| Parameter values:   | For SETUP:   |                 |  |
|                     | AAL Parameters:  | - AAL type 1    |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to  | IXIT   |
|                     |  | - Forward pea   | ak cell rate (CLP=0+1)                             |
|                     |  | - Backward pe   | eak cell rate (CLP=0+1)                            |
|                     | B-BC:  | - BCOBA         |  |
|                     | - Susceptible to clipping  |                 |  |
|                     | QoS:   | - Unspecified   | QoS class  |
|                     | CUG:   | - OA not requ   | ested  |
|                     |  | - CUG index of  | code acc. to IXIT                                  |
| Node-to-Node        |  |                 |  |
| cross-reference     |  |                 |  |
| Comments:           | CUG - SETUP (explicit requ   | iest)           |  |
| Pre-test-condition: | En bloc sending is used. Th  | e requested C   | UG 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 t  | he case of an   | international call administrative arrangements     |
|                     | concerning the interlock coc   | le are requirec | -  |

| 3.7.14              | Ref. to ETS 300 770-1 [2  | 0], 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   | I (explicit request), OA not requested, to an access that is not                                |  |  |
|                     | member of any CUG will b  | e 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   |  |  |
|                     |   | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>  |  |  |
|                     |   | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>   |  |  |
|                     | 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   | "IA not allowed" is installed. In the case of an international call administrative arrangements |  |  |
|                     | concerning the interlock co   | ode are required  |  |  |

| 3.7.15              | Ref. to ETS 300 770-1 [20], Q.9   | 55 [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 (expli-<br>a network that does not support t<br>Release, cause # 87   | it request), OA not requested, to an access which belongs to<br>ne CUG supplementary service will be rejected with a  |
| Configuration:      | Configuration 1   |   |
| Parameter values:   | For SETUP:<br>AAL Parameters: - AA<br>ATM Traffic Descriptor: - PC<br>- For<br>- Bar<br>B-BC: - BC<br>- Sus<br>QoS: - Un<br>CUG: - OA<br>- CU | type 1<br>R: acc. to IXIT<br>vard peak cell rate (CLP=0+1)<br>kward peak cell rate (CLP=0+1)<br>DBA<br>ceptible to clipping<br>pecified QoS class<br>not requested<br>G index code acc. to IXIT |
| Node-to-Node        |   |   |
| cross-reference     |   |   |
| Comments:           | CUG - SETUP (explicit request)  |   |
| Pre-test-condition: | En bloc sending is used. The req<br>Only the origination access belor   | lested CUG service is supported at the origination exchange.<br>gs to a CUG   |

| 3.7.16              | Ref. to ETS 300 770-1 [2   | 0], 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 cal   | I (implicit reque               | st, preferential CUG), OA requested, could be      |
|                     | successfully established to  | o an access with                | nin the same CUG                                   |
| Configuration:      | Configuration 1  |                                 |  |
| Parameter values:   | For SETUP:   |                                 |  |
|                     | AAL Parameters:  | <ul> <li>AAL type 1</li> </ul>  |  |
|                     | ATM Traffic Descriptor:  | - PCR: acc. to                  | DIXIT  |
|                     |  | <ul> <li>Forward pea</li> </ul> | ak cell rate (CLP=0+1)                             |
|                     |  | <ul> <li>Backward p</li> </ul>  | eak cell rate (CLP=0+1)                            |
|                     | B-BC:  | - BCOBA                         |  |
|                     |  | <ul> <li>Susceptible</li> </ul> | to clipping  |
|                     | QoS:   | <ul> <li>Unspecified</li> </ul> | QoS class  |
| Node-to-Node cross- |  |                                 |  |
| reference           |  |                                 |  |
| Comments:           | CUG - SETUP (implicit rec  | quest, preferent                | al 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               | n the case of an international call administrative |
|                     | arrangements concerning  | the interlock co                | de are required                                    |

| 3.7.17                           | Ref. to FTS 300 770-1 [20], 0.955 [32] Other relevant ref.: FTS 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)         - BCOBA         - Susceptible to clipping         QoS:       - Unspecified QoS class                                    |  |  |
| Node-to-Node cross-<br>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)         - BCOBA         - Susceptible to clipping         QoS:       - Unspecified QoS class |  |  |
| Node-to-Node<br>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.<br>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)         - BCOBA         - Susceptible to clipping         QoS:       - Unspecified QoS class |  |  |
| Node-to-Node<br>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 [2  | 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:   | <ul> <li>AAL type 1</li> </ul>     |   |
|                     | ATM Traffic Descriptor:   | - PCR: acc. to I                   | XIT   |
|                     |   | <ul> <li>Forward peak</li> </ul>   | cell rate (CLP=0+1)                               |
|                     |   | <ul> <li>Backward pea</li> </ul>   | ak cell rate (CLP=0+1)                            |
|                     | B-BC:   | - BCOBA                            |   |
|                     |   | <ul> <li>Susceptible to</li> </ul> | clipping  |
|                     | QoS:  | - Unspecified C                    | oS 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  |                                    |   |

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|---|--|--|--|
| Ref. to ETS 300 770-1 [2  | UJ, Q.955 [32]   | Other relevant ref.: EIS 300 443-1 [1] / clause 5  |  |
| B_ISDN/SS/CUG   |  |  |  |
|   |  |  |  |
| To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be<br>successfully established to an access within the same CUG |  |  |  |
| Configuration 1   |  |  |  |
| For SETUP:  |  |  |  |
| AAL Parameters:   | - AAL type 1   |  |  |
| ATM Traffic Descriptor:   | - PCR: acc. to   | IXIT   |  |
|   | - Forward pea  | k cell rate (CLP=0+1)  |  |
|   | - Backward pe  | eak cell rate (CLP=0+1)  |  |
| B-BC:   | - BCOBA  |  |  |
|   | - Susceptible  | to clipping  |  |
| QoS:  | - Unspecified QoS class  |  |  |
|   |  |  |  |
|   |  |  |  |
| CUG - SETUP (implicit request, preferential CUG)  |  |  |  |
| 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   |  |  |  |
|   | Ref. to ETS 300 770-1 [2         B_ISDN/SS/CUG         To verify that the CUG call         successfully established to         Configuration 1         For SETUP:         AAL Parameters:         ATM Traffic Descriptor:         B-BC:         QoS:         CUG - SETUP (implicit reconstruction)         In bloc sending is used. To         destination exchange. Both         not allowed" and "not ICB" | Ref. to ETS 300 770-1 [20], Q.955 [32]         B_ISDN/SS/CUG         To verify that the CUG call (implicit request successfully established to an access with Configuration 1         For SETUP:         AAL Parameters:       - AAL type 1         ATM Traffic Descriptor:       - PCR: acc. to - Forward peaters - Backward peaters - BCOBA - Susceptible - Unspecified         B-BC:       - BCOBA - Susceptible - Unspecified         CUG - SETUP (implicit request, preferentiation exchange. Both accesses below not allowed" and "not ICB" are installed. In arrangements concerning the interlock comparison of the interlock comp |  |

| 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.: ET   | S 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  | Configuration 1                     |  |  |
| Parameter values:   | For SETUP:   |                                     |  |  |
|                     | AAL Parameters: - AAL type 1   |                                     |  |  |
|                     | ATM Traffic Descriptor: - PCR: acc. to IXIT  |                                     |  |  |
|                     | <ul> <li>Forward peak cell rate (CLP=0+1)</li> </ul>   |                                     |  |  |
|                     | <ul> <li>Backward peak cell rate (CLP=0+1)</li> </ul>  | - Backward peak cell rate (CLP=0+1) |  |  |
|                     | B-BC: - BCOBA  |                                     |  |  |
|                     | <ul> <li>Susceptible to clipping</li> </ul>  |                                     |  |  |
|                     | 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 [2   | 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 |                                    |   | SS |
|                     | 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 I                   | IXIT  |    |
|                     |  | <ul> <li>Forward peak</li> </ul>   | < cell rate (CLP=0+1)                           |    |
|                     |  | <ul> <li>Backward pea</li> </ul>   | ak cell rate (CLP=0+1)                          |    |
|                     | B-BC:  | - BCOBA                            |   |    |
|                     |  | <ul> <li>Susceptible to</li> </ul> | o clipping                                      |    |
|                     | QoS:   | - Unspecified C                    | 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 pea           | k cell rate (CLP=0+1)                             |  |
|                     |   | - Backward pe           | eak 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  |  |  |  |  |
|                     | <ul> <li>Susceptible to clipping</li> </ul>  |  |  |  |  |
|                     | 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<br>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)         - 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 |            |                               |                                       |  |  |
|------------------|------------|-------------------------------|---------------------------------------|--|--|
| V1.1.1           | March 2001 | Membership Approval Procedure | MV 20010518: 2001-03-20 to 2001-05-18 |  |  |
| V1.1.1           | May 2001   | Publication                   |                                       |  |  |
|                  |            |                               |                                       |  |  |
|                  |            |                               |                                       |  |  |
|                  |            |                               |                                       |  |  |

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