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Network integration testing between ISDN, PLMN and PSTN; 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) using information provided by EURESCOM P613.

The present document is part 1 of a multi-part EG covering the Network integration testing between ISDN, PLMN and PSTN, as identified below:

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

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

# Introduction

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing Narrow-band Services for testing the European ISDN and PLMN, covering Network Integration Testing (NIT) between ISDN-PLMN, PSTN-PLMN, PLMN-ISDN, PLMN-PSTN and PLMN-PLMN networks. The objective is to verify the level of international end-to-end support of ISDN and PLMN services. Both bearer services (and associated teleservices) and supplementary services are checked for interworking capability and compatibility, in the European ISDN and PLMN.

The European ISDN and PLMN are made up by connecting the different national networks and End-to-end NIT covers all the testing activities necessary to assess the correct behaviour of the interconnected network from the point of view of access interfaces, network side.

### 1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of ISDN, PLMN and non-ISDN (PSTN) over the national or international ISUP between networks. Network Integration Testing will assure that the appropriate requested features passes between an ISDN subscriber and the PLMN subscriber across the national or international ISUP (ISUP V2) interface.

# 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, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.
- EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".
- [2] EG 201 018 (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".
- [3] ETS 300 267-1: "Integrated Services Digital Network (ISDN); Telephony 7 kHz and videotelephony teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [4] ETS 300 080: "Integrated Services Digital Network (ISDN); ISDN lower layer protocols for telematic terminals".
- [5] ETS 300 103: "Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN Synchronous and asynchronous terminal adaptation functions".
- [6] ETS 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification
  Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1)
  protocol; Part 1: Protocol specification".
- [7] ETS 300 093-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [8] ETS 300 097-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [9] ETS 300 098-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Restriction (COLR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [10] ETS 300 138-1: "Integrated Services Digital Network (ISDN); Closed User Group (CUG) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[11]	ETS 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[12]	ETS 300 055-1: "Integrated Services Digital Network (ISDN); Terminal Portability (TP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[13]	ETS 300 286-1: "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[14]	ETS 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[15]	ETS 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[16]	ETS 300 130-1: "Integrated Services Digital Network (ISDN); Malicious Call Identification (MCID) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[17]	ETS 300 188-1: "Integrated Services Digital Network (ISDN); Three-Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[18]	ETS 300 141-1: "Integrated Services Digital Network (ISDN); Call Hold (HOLD) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[19]	ETS 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[20]	ETS 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[21]	ETS 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[22]	TBR 008: "Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice; Attachment requirements for handset terminals".
[23]	ITU-T Recommendation I.112 (1988): "Vocabulary and terms for ISDNs".
[24]	ITU-T Recommendation I.210 (1988): "Principles of the telecommunication services supported by an ISDN and the means to describe them".
[25]	ITU-T Recommendation E.164 (1988): "Numbering plan for the ISDN era".
[26]	ISO/IEC 9646-1: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 1: General Concepts".
[07]	

- [27] ETS 300 502: "European digital cellular telecommunications system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.03)".
- [28] ETS 300 511: "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)
- [29] ETS 300 515: "Digital cellular telecommunications system (Phase 2); Call Forwarding (CF) supplementary services; Stage 1 (GSM 02.82)".

supplementary services; Stage 1 (GSM 02.85)".

ETS 300 518: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG)

[30]

- [31] ETS 300 543: "Digital cellular telecommunications system (Phase 2); Call Forwarding (CF) supplementary services; Stage 2 (GSM 03.82)". [32] ETS 300 544: "European digital cellular telecommunications system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2 (GSM 03.83)". ETS 300 546: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG) [33] supplementary services; Stage 2 (GSM 03.85)". ETS 300 548: "European digital cellular telecommunications system (Phase 2); Call Barring (CB) [34] supplementary services; Stage 2 (GSM 03.88)". [35] ETS 300 557: "Digital cellular telecommunications system (Phase 2); Mobile radio interface; Layer 3 specification (GSM 04.08 version 4.23.1)". [36] ETS 300 565: "European digital cellular telecommunications system (Phase 2); Line identification supplementary services: Stage 3 (GSM 04.81)". [37] ETS 300 566: "Digital cellular telecommunications system (Phase 2); Call Forwarding (CF) supplementary services; Stage 3 (GSM 04.82)". [38] ETS 300 567: "Digital cellular telecommunications system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (GSM 04.83)". [39] ETS 300 569: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG) supplementary services; Stage 3 (GSM 04.85)". [40] ETS 300 582: "Digital cellular telecommunications system (Phase 2); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (GSM 07.01)". [41] ETS 300 599: "Digital cellular telecommunications system (Phase 2); Mobile Application Part (MAP) specification (GSM 09.02 version 4.17.1)". [42] ETS 300 604: "Digital cellular telecommunications system (Phase 2); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (GSM 09.07 version 4.13.1)". [43] ITU-T Recommendation Q.764 (1993): "Specifications of Signalling System No.7; Signalling procedures". [44] ETS 300 587-2: "European digital cellular telecommunications system (Phase 2); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles (GSM 08.02)". ETS 300 524: "European digital cellular telecommunications system (Phase 2); Signalling [45] requirements relating to routeing of calls to mobile subscribers (GSM 03.04)". [46] ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".
- [47] ITU-T Recommendation V.110 (1996): "Support by an ISDN of data terminal equipments with V-Series type interfaces".
- [48] ITU-T Recommendation G.711 (1988): "Pulse code modulation (PCM) of voice frequencies".
- [49] ITU-T Recommendation X.30 (1993): "Support of X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an Integrated Services Digital Network (ISDN)".
- [50] ITU-T Recommendation F.721 (1992): "Videotelephony teleservice for ISDN".

[51]	ITU-T Recommendation F.182 (1996): "Guidelines for the support of the communication of documents using Group 3 facsimile between user terminals via public networks".
[52]	ISO/IEC 8208 (1995): "Information technology - Data communications - X.25 Packet Layer Protocol for Data Terminal Equipment".
[53]	ISO/IEC 7776 (1995): "Information technology - Telecommunications and information exchange between systems - High-level data link control procedures - Description of the X.25 LAPB-compatible DTE data link procedures".
[54]	ITU-T Recommendation V.120 (1996): "Support by an ISDN of data terminal equipment with V-Series type interfaces with provision for statistical multiplexing".
[55]	ETS 300 578: "Digital cellular telecommunications system (Phase 2); Radio subsystem link control (GSM 05.08 version 4.22.0)".
[56]	ITU-T Recommendation G.101 (1996): "The transmission plan".
[57]	ETS 300 542: "Digital cellular telecommunications system (Phase 2); Line identification supplementary services; Stage 2 (GSM 03.81 version 4.8.1)".
[58]	ITU-T Recommendation H.221 (1999): "Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices".
[59]	ITU-T Recommendation H.242 (1999): "System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s".

# 3 Definitions

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

### 3.1 Definitions related to conformance testing

abstract test case: refer to ISO/IEC 9646-1 [26]

abstract test suite: refer to ISO/IEC 9646-1 [26]

implementation under test: refer to ISO/IEC 9646-1 [26]

lower tester: refer to ISO/IEC 9646-1 [26]

Implementation Conformance Statement (ICS) proforma: refer to ISO/IEC 9646-1 [26]

Implementation eXtra Information for Testing (IXIT) proforma: refer to ISO/IEC 9646-1 [26]

point of control and observation: refer to ISO/IEC 9646-1 [26]

protocol implementation conformance statement: refer to ISO/IEC 9646-1 [26]

protocol implementation extra information for testing: refer to ISO/IEC 9646-1 [26]

system under test: refer to ISO/IEC 9646-1 [26]

test purpose: refer to ISO/IEC 9646-1 [26]

### 3.2 Definitions related to EN 300 403-1

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

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

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

Integrated Services Digital Network (ISDN): see ITU-T Recommendation I.112 [23], subclause 2.2 definition 308

service: telecommunications service: see ITU-T Recommendation I.112 [23], subclause 2.2 definition 201

supplementary service: see ITU-T Recommendation I.210 [24], subclause 2.4

ISDN number: number conforming to the numbering and structure specified in ITU-T Recommendation E.164 [25]

### 3.3 Configuration of the mobile network

#### 3.3.1 The entities of the mobile system

To provide the mobile service as it is defined, it is necessary to introduce some specific functions. These functional entities can be implemented in different equipment's or integrated. In any case, exchanges of data occur between these entities.

#### 3.3.1.1 The Home Location Register (HLR)

This functional entity is a data base in charge of the management of mobile subscribers. A PLMN may contain one or several HLRs; it depends on the number of mobile subscribers, on the capacity of the equipment and on the organization of the network. All subscription data are stored there. The main information stored there concerns the location of each mobile station in order to be able to route calls to the mobile subscribers managed by each HLR. All management interventions occur on this data base. The HLRs have no direct control of MSCs.

#### 3.3.1.2 The Visitor Location Register (VLR)

An MS roaming in an MSC area is controlled by the Visitor Location Register in charge of this area. When an MS appears in a location area it starts a location updating procedure. The MSC in charge of that area notices this registration and transfers to the Visitor Location Register the identity of the location area where the MS is situated. A VLR may be in charge of one or several MSC areas.

The VLR also contains the information needed to handle the calls set up or received by the MSs registered in its data base (in some cases the VLR may have to obtain additional information from the HLR).

#### 3.3.1.3 The Mobile-services Switching Centre (MSC)

The Mobile-services Switching Centre is an exchange which performs all the switching functions for mobile stations located in a geographical area designated as the MSC area. The main difference between an MSC and an exchange in a fixed network is that the MSC has to take into account the impact of the allocation of radio resources and the mobile nature of the subscribers and has to perform, for example, the following procedures:

- procedures required for the location registration;
- procedures required for hand-over.

#### 3.3.1.4 The Base Station System (BSS)

The BSS is the sub-system of Base Station equipment (transceivers, controllers, etc.) which is viewed by the MSC through a single interface (A-interface) with the functionality described in ETS 300 587-2 [44] (GSM 08.02).

#### 3.3.1.5 The Gateway MSC (GMSC)

In the case of incoming calls to the PLMN, if the fixed network is unable to interrogate the HLR, the call is routed to an MSC. This MSC will interrogate the appropriate HLR and then route the call to the MSC where the mobile station is located. The MSC which then performs the routing function to the actual location of the mobile is called the Gateway MSC. The choice of which MSCs can act as Gateway MSCs is a network operator matter (e.g. all MSCs or some designated MSCs).

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#### 3.3.1.6 The SMS Gateway MSC

The SMS GMSC is the interface between the Mobile Network and the network which provides access to the Short Message Service Centre, for short messages to be delivered to mobile stations. The choice of which MSCs can act as SMS Gateway MSCs is a network operator matter (e.g. all MSCs or some designated MSCs).

#### 3.3.1.7 The SMS Interworking MSC

The SMS IWMSC is the interface between the Mobile Network and the network which provides access to the Short Message Service Centre, for short messages submitted by mobile stations. The choice of which MSCs can act as SMS Interworking MSCs is a network operator matter (e.g. all MSCs or some designated MSCs).

#### 3.3.1.8 The Equipment Identity Register (EIR)

This functional unit is a data base in charge of the management of the equipment identities of the mobile stations; see also GSM 02.16.

### 3.3.2 Configuration of a Public Land Mobile Network (PLMN)

The basic configuration of a Public Land Mobile Network is presented in figure 2.2/1. In this figure the most general solution is described in order to define all the possible interfaces which can be found in any PLMN. The specific implementation in each network may be different: some particular functions may be implemented in the same equipment and then some interfaces may become internal interfaces. In any case the configuration of a PLMN has no impact on the relationship with the other PLMNs. In this configuration, all the functions are considered implemented in different equipment's. Therefore, all the interfaces are external and need the support of the Mobile Application Part of the Signalling System No. 7 to exchange the data necessary to support the mobile service. From this configuration, all the possible PLMN organizations can be deduced.

### 3.3.3 Interconnection between PLMNs

Since the configuration of a PLMN does not have any impact on other PLMNs, the signalling interfaces specified can be implemented both between the entities within a PLMN and between different PLMNs.

#### 3.3.4 The interfaces within the mobile service

#### 3.3.4.1 Interface between the HLR and the VLR (D-interface)

This interface is used to exchange the data related to the location of the mobile station and to the management of the subscriber. The main service provided to the mobile subscriber is the capability to set up or to receive calls within the whole service area. To support that purpose the location registers have to exchange data. The VLR informs the HLR on the registration of a mobile station managed by the latter and provides it with the relevant location information. The HLR sends to the VLR all the data needed to support the service to the mobile station. The HLR then calls the previous VLR to inform it that it can cancel the location registration of this station because of the roaming of the mobile.

Exchanges of data may also occur when the mobile subscriber requires a particular service, when he wants to change some data attached to his subscription or when some parameters of the subscription are modified by administrative means.

#### 3.3.4.2 Interface between the VLR and its associated MSC(s) (B-interface)

The VLR is the location and management data base for the mobile stations roaming in the area controlled by the associated MSC(s). Whenever the MSC needs data related to a given mobile station currently located in its area, it interrogates the VLR. When a mobile station initiates a location updating procedure with an MSC, the MSC informs its VLR which stores the relevant information in its tables. This procedure occurs whenever a mobile roams to another location area. Also, for instance when a subscriber activates a specific supplementary service or modifies some data attached to a service, the MSC transfers (via the VLR) the request to the HLR, which stores these modifications and updates the VLR if required.

However, this interface is not fully operational specified. It is strongly recommended not to implement the B-interface as an external interface.

#### 3.3.4.3 Interface between VLRs (G-interface)

When an MS initiates a location updating using TMSI, the VLR can fetch the IMSI and authentication set from the previous VLR.

#### 3.3.4.4 Interface between the HLR and the MSC (C-interface)

When the fixed network is not able to perform the interrogation procedure needed to set up a call to a mobile subscriber, the Gateway MSC has to interrogate the HLR of the called subscriber to obtain the roaming number of the called MS (see ETS 300 524 [45] (GSM 03.04)).

To forward a short message to a mobile subscriber, the SMS Gateway MSC has to interrogate the HLR to obtain the MSC number where the MS is located.

#### 3.3.4.5 Interface between MSCs (E-interface)

When a mobile station moves from one MSC area to another during a call, a handover procedure has to be performed in order to continue the communication. For that purpose the MSCs involved have to exchange data to initiate and then to realize the operation.

This interface is also used to forward short messages.

#### 3.3.4.6 Interface between the MSC and Base Station Systems (A-interface)

The description of this interface is contained in the GSM 08-series of Mobile stations.

The BSS-MSC interface carries information concerning:

- BSS management;
- call handling;
- location management.

#### 3.3.5.1 Mobile Termination (MT)

Mobile Termination (MT) performs the following functions:

- radio transmission termination;
- radio transmission channel management;
- terminal capabilities, including presentation of a man-machine interface to a user;
- speech encoding/decoding;
- error protection for all information sent across the radio path. This includes FEC (forward error correction) and, for signalling and user data (except for transparent data services), ARQ (automatic request fore transmission);

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- flow control of signalling and mapping of user signalling to/from PLMN access signalling;
- flow control of user data (except for transparent data services) and mapping of flow control for asynchronous transparent data services;
- rate adaptation of user data between the radio channel rate and user rates;
- multiple terminal support;
- mobility management.

There are three types of MT:

- MT0 includes functions belonging to the functional group MT, with support of no terminal interfaces;
- MT1 includes functions belonging to the functional group MT, and with an interface that complies with the GSM recommended subset of the ISDN user-network interface specifications;
- MT2 includes functions belonging to the functional group MT, and with an interface that complies with the GSM recommended subset of the ITU-T X or V series interface recommendations.

The MT plus any TE/(TE + TA) constitutes the Mobile Station, MS.

#### 3.3.5.2 Physical Realization

In a GSM PLMN, the reference point Um is a GSM interface point, i.e. it is always implemented as a physical interface The reference points S and R may be optionally implemented as physical interfaces.

# 3.4 Definitions related to test purpose descriptions

**BC=speech:** Bearer capability information element with its information transfer capability field set to "speech" and its user information layer one protocol field set to "ITU-T Recommendation G.711 [48] A-law"

**BC=3,1 kHz audio:** Bearer capability information element with its information transfer capability field set to "3,1 kHz Audio" and its user information layer one protocol field set to "ITU-T Recommendation G.711 [48] A-law"

**BC=UDI:** Bearer capability information element with its information transfer capability set to "unrestricted digital information" [1]

**BC=UDI/TA:** Bearer capability information element with its information transfer capability set to "unrestricted digital information with tones/announcements" and its user information layer one protocol field set to "ITU-T Recommendations H.221 [58] and H.242 [59]"

**BC= V110/X30:** Bearer capability information element with its information transfer capability set to "unrestricted digital information" and its user information layer 1 field set to "ITU-T standardized rate adaption V.110/X.30", including sync/async and user rate values [1]

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

**HLC=videotelephony\_ic:** High Layer compatibility information element with its high layer characteristics identification field set to "videotelephony (Rec. F.721 [50])" and its extended audiovisual characteristics field set to "capability set of initial channel of ITU-T Recommendation H.221 [58]"

**HLC = Facsimile G2/G3:** High Layer compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (ITU-T Recommendation F.182 [51])"

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

**HLC=telex:** High Layer compatibility information element with its high layer characteristics identification field set to "telex" [1]

**LLC=telematic\_term:** Low Layer compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 [53] / DTE-DTE operation" and user information layer 3 field indicating "ISO/IEC 8208 [52]"

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

**LLC = V110/X30:** Low Layer compatibility information element with its user information layer 1 field indicating "ITU-T standardized rate adaption V.110/X.30" and including sync/async and user rate values [5]

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

SI=NP: Screening Indicator coded as "Network provided" [1]

PI=PR: Presentation Indicator coded as "Presentation restricted" [1]

**TON=international:** Type of number coded as "international" [1]

TON=unknown: Type of number coded as "unknown" [1]

NPI=unknown: Numbering plan identification coded as "unknown" [1]

**CUG default request:** calling user do not include in the outgoing SETUP message a explicit request for the CUG supplementary service [10]

UI length=32: length of the User information field of the User-user information element is 35 octets

CF active: call forwarding (U, B or NR) supplementary service is already activated with the address of user C [15]

**GSM - Bearer service categories:** all bearer service categories provide information transfer between R/S reference points and allow the use of sub-rate information streams which are rate adapted

GSM-BC=UDI: Unrestricted Digital Information (UDI); Provides the transfer of unrestricted digital information

**GSM-BC= 3,1 kHz (External to the PLMN):** used to select a "3,1 kHz audio" interworking function at the MSC. This service category is used when interworking with the ISDN or PSTN "3,1 kHz audio" service and includes the capability to select a modem at the interworking function. "External to the PLMN" indicates that the "3,1 kHz audio" service is only used outside of the PLMN, in the ISDN/PSTN. The connection within the PLMN, user access point to the interworking function, is an unrestricted digital connection

Alternate Speech/Data: provides the capability to swap between speech and data during a call

If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used for the duration of the call

The access interface at the mobile station for the data portion is assumed to be a standard data interface. Some means shall be provided to select the speech/data capability

**Speech followed by Data:** provides a speech connection first and then at some time while the call is in progress, the user can switch to a data connection. The user cannot switch back to speech after the data portion. If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used from the start of the call. The network may then change to a half rate channel for the data portion

**GSM teleservices:** teleservices supported by a GSM PLMN are described by a number of attributes which are intended to be largely independent. They are grouped into three categories:

- high layer attributes;
- low layer attributes (describing the Bearer capabilities which support the Teleservice);
- information transfer attributes;
- access attributes;
- General attributes.

**GSM-BC= Speech (TS 11):** this service provides the transmission of speech information and audible signalling tones of the PSTN/ISDN. In the GSM PLMN and the fixed network processing technique appropriate for speech such as analogue transmission, echo cancellation and low bit rate voice encoding may be used

Alternate speech and facsimile group 3 (TS 61): this Teleservice allows the connection of ITU-T group 3 fax apparatus (send and/or receive) to the mobile stations of a GSM PLMN. Facsimile connections may be established to/from group 3 apparatus in the PSTN, ISDN or GSM PLMN

Automatic Facs. group 3 (TS 62): this teleservice allows connection of ITU-T group 3 fax apparatus to and from the mobile stations of a GSM PLMN. Facsimile connections may be established to and from group 3 apparatus in the PSTN, ISDN or GSM PLMN

# 4 Abbreviations

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

3PTY	Three-party conference
ATS	Abstract Test Suite
BC	Bearer capability information element
BSS	Base Station Sub-system
BSSMAP	BSS Management Part
CD	Call deflection
CFB	Call forwarding busy
CFNR	Call forwarding no response
CFNRc	Call forwarding on mobile subscriber not reachable
CFNRy	Call forwarding on no reply
CFU	Call forwarding unconditional
CI	CUG Index
CLIP	Calling line identification presentation
CLIR	Calling line identification restriction
COLP	Connected line identification presentation
COLR	Connected line identification restriction
CONF	Conference (add-on)
CUG	Closed user group
CUG	Closed User Group
CW	Call waiting
ECT	Explicit call transfer
ESR	Eroded Seconds Ratio
FPH	Freephone service
FTAM	File Transfer Access & Management
GMSC	Gateway MSC
GSM	Global System for Mobile Communication
HLC	High layer compatibility information element

HLR	Home Location Register
HPLMN	Home PLMN
IA	Incoming Access
ICB	Incoming Calls Barred within a CUG
IMSI	International Mobile Subscriber Identity
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
LLC	Low layer compatibility information element
MAP	Mobile Application Part
MCID	Malicious call identification
MS	Mobile Station
MSC	Mobile Switching Center
MSISDN	Mobile Station ISDN number
MT	Mobile Terminated
MTC	Mobile Terminated Call
MTP	Message Transfer Part
NIT	Network Integration Testing
OCB	Outgoing Calls Barred within a CUG
ONP	Open Network Provision
OSI	Open Systems Interconnection
PC	Preferential CUG
PI	Presentation indicator
PIXIT	Protocol Implementation eXtra Information for Testing
PSTN	Public Switched Telephone Network
SI	Screening indicator
SIM	Subscriber Identity Module
SS	Supplementary Service
SUB	Subaddressing
TC	Test Case
TMSI	Temporary Mobile Subscriber Identity
TON	Type of number
TP	Terminal portability
TP	Test Plant
TSS	Test Suite Structure
TSS&TP	Test Suite Structure and Test Purposes
UDI	Unrestricted digital information
UDI-TA	Unrestricted digital information with tones/announcements
UUS	User-to-user signalling
UUS1	UUS service 1
UUS2	UUS service 2
UUS3	UUS service 3
VLR	Visitor Location Register
VPLMN	Visited PLMN

# 5 Test Suite Structure (TSS)

# 5.1 ISDN-PLMN

ISDN-PLMN	Basic_Call (1)	Successful (1)	Speech	1101xx
			3,1 kHz audio	1102xx
			UDI	1103xx
		Unsuccessful (2)	Speech	1201xx
			3,1 kHz audio	1202xx
			UDI	1203xx
			UDI-TA	1204xx
	Supplementary			
	Services (2)	Speech (1)	CLIP	2101xx
			CLIR	2102xx
			COLP	2103xx
			COLR	2104xx
			CUG	2105xx
			SUB	2106xx
			CFU	2107xx
			CFB	2108xx
			CFNRy	2109xx
			CFNRc	2110xx
			HOLD	2111xx
			CW	2112xx
			UUS implicit	2113xx
			Interactions	
			CFU_CLI_COL	2114xx
			CFB_CLI_COL	2115xx
			CFNRy_CLI_COL	2116xx
			CFNRc_CLI_COL	2117xx
			CUG_CFU	2118xx
			CFB_CW	2119xx
		Speech (2)	non-symmetrical tests	
			TP	2201xx
			UUS 1, 2 and 3	2202xx
			CONF	2203xx
			3PTY	2204xx
			ECT	2205xx
			Call Barring services	2206xx
			CCBS	2207xx
			CCNR	2208xx
			AoC	2209xx
			MPTY	2210xx
		UDI (3)	CLIP	2301xx
			CLIR	2302xx
			COLP	2303xx
				2304xx
				2305xx
				2306XX
				230/XX
				2300XX
				230378
			UUS implicit	231122
			Interactions	2011/
				2312xx
			CFB_CIL_COL	2313xx
			CENRY CLI COI	2314xx
			CFNRc CLI COL	2315xx
			CUG CFU	2316xx
		UDI (4)	non-symmetrical tests	
		(-)	UUS 1, 2 and 3	2401xx
			Call Barring services	2402xx
	B-channel (3)	(1)	Speech	3101xx
			3,1 kHz audio	3102xx
			UDI	3103xx

# 5.2 PSTN-PLMN

PSTN-PLMN	Basic_Call (4)	Successful (1)		4101xx
		Unsuccessful (2)		4201xx
	Supplementary			
	Services (5)	(1)	CLIP	5101xx
			CLIR	5102xx
			CUG	5103xx
			CFU	5104xx
			CFB	5105xx
			CFNRy	5106xx
			CFNRc	5107xx
		(2)	non-symmetrical tests	
			Call Barring services	5201xx
			MPTY	5202xx
	B-channel (6)	(1)		6101xx

# 5.3 PLMN-ISDN

	Basia Call (7)	Successful (1)	Speech	7101//
	Dasic_Call (1)	Successful (1)		7101XX
				7102XX
				7103XX
			Facsimile G3	7104xx
			Alternate speech and facsimile group 3	7105xx
			Alternate Speech/Data	7106xx
			Speech followed by data	7107xx
			Emergency Calls	7108xx
		Unsuccessful (2)	Speech	7201xx
			3,1 kHz audio ex PLMN	7202xx
			UDI	7203xx
			Facsimile G3	7204xx
			Alternate speech and	7205xx
			facsimile group 3	72000
	• • •		Emergency Calls	7206XX
	Supplementary			
	Services (8)	Speech (1)	CLIP	8101xx
			CLIR	8102xx
			COLP	8103xx
			COLR	8104xx
			CUG	8105xx
			SUB	8106xx
			CFU	8107xx
			CFB	8108xx
			CENR	8109xx
			НОГО	8110xx
			CW	8111xx
			UUS 1 implicit	8112xx
		Speech (2)	non-symmetrical tests	0112/0
				8201vv
				8207xx
				020288
				0203XX
			ECI	8204XX
				8205xx
			Call Barring services	8206xx
			CONF	8207xx
			3PTY	8208xx
		UDI (3)	CLIP	8301xx
			CLIR	8302xx
			COLP	8303xx
			COLR	8304xx
			CUG	8305xx
			SUB	8306xx
			CFU	8307xx
			CFB	8308xx
			CFNR	8309xx
			LILIS 1 implicit	8310vv
			non symmetrical tasta	031077
		UDI (4)		0404584
			Call Barring services	8401XX
			CD	8402xx
	B-channel (9)	(1)	Speech	9101xx
L		.,,	3,1 kHz audio ex PLMN	9102xx
			UDI	9103xx

# 5.4 PLMN-PSTN

PLMN-PSTN	Basic_Call (10)	Successful (1)	Speech	10101xx
			3,1 kHz audio ex PLMN	10102xx
			Facsimile G3	10103xx
			Alternate speech and facsimile group 3	10104xx
			Emergency Calls	10105xx
		Unsuccessful (2)	Speech	10201xx
			3,1 kHz audio	10202xx
			Facsimile G3	10203xx
			Alternate speech and facsimile group 3	10204xx
			UDI	10205xx
			Emergency Calls	10206xx
	Supplementary			
	Services (11)	Speech (1)	CLIP	11101xx
			CLIR	11102xx
			COLR	11103xx
			CUG	11104xx
			CFU	11105xx
			CFB	11106xx
			CFNR	11107xx
		Speech (2)	non-symmetrical tests	
			MCID	11201xx
			MPTY	11202xx
			Call barring services	11203xx
	B-channel (12)	(1)	Speech	12101xx
			3,1 kHz audio ex PLMN	12102xx
			Facsimile G3	12103xx
			Alternate speech and facsimile group 3	12104xx
			Speech followed by data	12105xx
			Emergency Calls	12106xx

# 5.5 PLMN-PLMN

J1 kHz audio ex PLMN      13103xx        UD      13103xx        Facsimile G3      13105xx        Atternate speech and      13105xx        Atternate speech and      13105xx        Speech followed by data      13106xx        Speech followed by data      13105xx        Short message service      13108xx        Unsuccessful (2)      Speech (1)      13201xx        3,1 kHz audio ex PLMN      13202xx        3,1 kHz audio ex PLMN      13202xx        UDI      13202xx        3,1 kHz audio ex PLMN      13202xx        UDI      13203xx        Facsimile G3      13204xx        Atternate speech and      13202xx        UDI      (2)      CLIP        VDI      13203xx        Services (14)      Speech (1)      CLIP        COLP      14102xx      COLP        CUG      14104xx      CUG        CUR      14107xx      CUR        CUB      14107x      CUR        CFR      14108x      CFNRc        CHI      14107x      CUI	PLMN-PLMN	Basic_Call (13)	Successful (1)	Speech	13101xx
UDI      13103xx        Facsimile G3      13104xx        Atternate speech and      13105xx        facsimile group 3      13107xx        Atternate Speech/Data      13106xx        Speech followed by data      13107xx        Short message service      13108xx        Unsuccessful (2)      Speech        Speech and      13201xx        3,1 kHz audio ex PLMN      13202xx        UDI      13203xx        Facsimile G3      13204xx        Atternate speech and      13205xx        Facsimile group 3      4107xx        COLP      14101xx        COLP      14103x        COLP      14106xx        COLP      14103x        COLP      14103x        CFB      14108x        CFB      14108x        CFB      14108x        CFB      14108x        CFNRc      141110x        MPTY      14118x        MITTRactions      CUG CPU        CUG CPU      14205x        COLP      14203x        COLP      <				3,1 kHz audio ex PLMN	13102xx
Supplementary      Speech (1)      3105xx facsimile group 3        Unsuccessful (2)      Speech (1)      3105xx (3105xx)        Supplementary      Speech (1)      3201xx        Structure      31105xx      3105xx        Services (14)      Speech (1)      3201xx        Supplementary      Services (14)      3205xx        Supplementary      CLIP      14101xx        CUR      14102xx      COLP        COLP      14102xx      COLP        CUR      14104xx      CUR        CUG      14106xx      CFB        CFB      14108x      CFNRc        CFNRc      14110xx        CW      14111xx        UUS (2)      CLIP      14100xx        CHR      14108x      CFNRc        CFB_CW      141110x      CW        UDI (2)      CLIP      14201xx        CUG CFU      14110x      CUG        CUG CFU      141115x      11115x        Interactions      14116x      CFR        CUG CFU      14205xx      COLR <td< th=""><th></th><th></th><th></th><th>UDI</th><th>13103xx</th></td<>				UDI	13103xx
Alternate speech and fasimile group 3      13105xx        Atternate Speech/Data      13107xx        Speech followed by data      13107xx        Short message service      13108xx        Unsuccessful (2)      Speech        Speech and      13201xx        3,1 kHz audio ex PLMN      13202xx        UDI      13203xx        Facsimile G3      13204xx        Atternate speech and      13205xx        facsimile G3      13204xx        CUR      14105xx        CUR      14106xx        CUR      14106xx        CUR      14106xx        CFB      14100xx        CFR      14110xx        HOLD      141111xx        UBI (2)      CLIP      14102xx        CUS_CFU      14110xx        CUG_CFU      14110xx				Facsimile G3	13104xx
Alternate Speech/Data      13105xx        Speech followed by data      13107xx        Short message service      13108xx        Unsuccessful (2)      Speech      13201xx        3,1 kHz audio ex PLMN      13202xx        UDI      13203xx        Herasimile G3      13204xx        Alternate speech and facsimile group 3      13203xx        Services (14)      Speech (1)      CLIP        CIIR      14101xx        COLR      14106xx        CUG      14106xx        CUG      14106xx        CFNR      14106xx        CFNR      14108xx        CFNR      14108xx        CFNR      14108xx        CFNR      14110xx        WDTY      14114xx        WUS 1 implicit      14111xx        WUS 1 implicit      14111xx        CGLP      14203xx        CGLP      14203xx        CGLP      14203xx        CGLP      14203xx        CGLP      14203xx        CGLP      14203xx        CGLP      14203xx </th <th></th> <th></th> <th></th> <th>Alternate speech and facsimile group 3</th> <th>13105xx</th>				Alternate speech and facsimile group 3	13105xx
Speech followed by data      13107xx        Short message service      13108xx        Unsuccessful (2)      Speech        Supplementary      311 kHz audio ex PLMN        Services (14)      Speech (1)        CLIP      14101xx        COLP      14103xx        COLP      14103xx        COLR      14106xx        CUR      14106xx        CUR      14106xx        CUR      14108xx        COLR      14108xx        CFB      14108xx        CFB      14108xx        CFNRy      14108xx        CFNRy      14108xx        CFNRy      14108xx        CFNRy      14111xx        CW      14111xx        CW      14111xx        CB      14108xx        CFNRy      14111xx        Call Barring services      14115xx        Interactions      CUR        CUG CFU      14111xx        Call Barring services      14115xx        Interactions      CUR        CUB (2)      CUR      14205xx<				Alternate Speech/Data	13106xx
Short message service      13108xx        Unsuccessful (2)      Speech      13201xx        3,1 kHz audio ex PLMN      13203xx        Facsimile G3      13204xx        Alternate speech and facsimile group 3      13204xx        Services (14)      Speech (1)      CLIP        COLR      14101xx      COLR        COLR      14103xx      COLR        COLR      14104xx      COLR        CFB      14108xx      CFB        CFNRy      14108xx      CFNRy        CFNR      14108xx      CFNRy        CFNR      14108xx      CFNRy        CFNR      14110xx      CM        UUS 1 implicit      14113xx        MPTY      14113xx        UUS 2)      CLIP      14202xx        Call Barring services      14115xx        UDI (2)      CLIR      14202xx        COLP      14207xx      CILR        CGG 74005x      SUB      14202xx        COLP      14202xx      COLP        COLP      14203xx      COLP      14206xx				Speech followed by data	13107xx
Unsuccessful (2)      Speech      13201xx        3.1 kHz audio ex PLMN      13202xx      UDI      13202xx        UDI      13202xx      Alternate speech and      13205xx        Supplementary      Services (14)      Speech (1)      CLIP      14101xx        COLP      14101xx      CUR      14102xx      COLP      14101xx        COLP      14104xx      CUG      14106xx      CGFB      14106xx        CFB      14106xx      CFB      14106xx      CFFU      14107xx        CFB      14106xx      CFFNR      14110xx      CFRNR      14110xx        CFFNR      14110xx      CFFNR      14110xx      CFFNR      14110xx        CFFNR      14110xx      CFFNR      14111xx      Call Barring services      14111xx        Call Barring services      14111xx      Call Barring services      14111xx      Call Barring services      14111xx        COLP      14201xx      CUR      14201xx      CUR      14202xx        COLP      14201xx      CUR      14201xx      CUR      14205xx        CO				Short message service	13108xx
3.1 kHz audio ex PLMN      13202xx UDI        3203xx      Facsimile G3        Facsimile G3      13204xx        Alternate speech and facsimile group 3      13205xx        Services (14)      Speech (1)      CLIP        VIII      COLP      14101xx        COLR      14102xx      COLR        COLR      14105xx      COLG        CUG      14105xx      CGR        CFB      14100xx      CFB        CFNRy      14108xx      CFNRy        CFNRy      14109xx      CFNRy        CFNRy      14110xx        HOLD      141111xx        WPTY      141111xx        CW      141112xx        UUS 1 implicit      141113xx        MPTY      141111xx        Call Barring services      14115xx        interactions      CUG      CFU        CUG CFU      141115xx        COLP      14201xx      Call Barring services        COLP      14203xx      COLP        COLP      14205xx      COLP        CUG (CFU      14205xx			Unsuccessful (2)	Speech	13201xx
UDI      13203xx        Facsimile G3      13204xx        Alternate speech and facsimile group 3      13205xx        Services (14)      Speech (1)      CLIP      14101xx        COLP      14102xx      COLR      14102xx        COLR      14105xx      SUB      14106xx        CUG      14105xx      SUB      14106xx        CFP      14105xx      SUB      14106xx        CFP      14106xx      CFP      14105xx        CFP      14106xx      CFP      14108xx        CFNR      14110xx      HOLD      14111xx        CW      14112xx      UUS 1 implicit      14111xx        CW      14111xx      Call Barring services      14111xx        Call Barring services      14111xx      Call CFU      14114xx        Call Barring services      14115xx      Interactions      CUG        UDI (2)      CLIP      14201xx      CUG CFU      14115xx        CGFB      14205xx      CUG      14205xx      CUG        CUG (2)      CLIP      142005xx      CFF				3,1 kHz audio ex PLMN	13202xx
Supplementary Services (14)      Speech (1)      CLIP      14101xx        CLIP      14101xx      CLIP      14101xx        COLP      14102xx      COLP      14102xx        COLP      14105xx      COLP      14105xx        COLP      14105xx      COLP      14105xx        COLR      14105xx      COLP      14105xx        SUB      14106xx      CFB      14105xx        CFB      14108xx      CFFNR      14105xx        CFB      14108xx      CFFNR      14110xx        HOLD      141111xx      CW      14111xx        UUS 1 implicit      14111xx      UUS 1 implicit      14114xx        Call Barring services      14111xx      CUG_CFU      14114xx        Call Barring services      141117xx      CUG_CFU      14114xx        UDI (2)      CLIP      14201xx      CCUG      14201xx        CUG_CFU      14205xx      COLP      14205xx      COLR      14205xx        UDI (2)      CLIP      14205xx      COLR      14205xx      CFF      14205xx      CFF<				UDI	13203xx
Supplementary Services (14)      Speech (1)      CLIP      14101xx        CLIR      14102xx      CLIR      14102xx        COLR      14103xx      COLR      14103xx        CUG      14105xx      SUB      14105xx        CUG      14105xx      CUG      14105xx        CUG      14105xx      CUG      14105xx        CUG      14105xx      CFU      14107xx        CFB      14108xx      CFU      14117xx        CFNRc      14110xx      HOLD      14111xx        CW      14112xx      UUS 1 implicit      14115xx        Interactions      11111xx      CW      14114xx        Call Barring services      14115xx      Interactions        UDI (2)      CLIP      14201xx      CLIR        UDI (2)      CLIP      14201xx      CUG        UDI (2)      CLIP      14201xx      CUF        UDI (2)      CLIP      14205xx      CUF        CUF      14205xx      CUF      14205xx        CUF      14205xx      CUF      14205xx </th <th></th> <th></th> <th></th> <th>Facsimile G3</th> <th>13204xx</th>				Facsimile G3	13204xx
Supplementary Services (14)      Speech (1)      CLIP      14101xx        CUR      14102xx      COLP      14103xx        COLR      14105xx      CUG      14105xx        SUB      14106xx      CUG      14105xx        SUB      14106xx      CUG      14105xx        SUB      14106xx      CUG      14107x        CFU      14107x      CFB      14108xx        CFU      14107x      CFB      14108x        CFNRy      14109xx      CFNRy      14109xx        CFNRy      14109xx      CFNRy      14119xx        WUS 1 implicit      14111xx      CW      14111xx        CW      14111xx      CW      14111xx        CUG CFU      14111xx      CW      14111xx        UDI (2)      CLIP      14201xx      CIB Barring services      141115xx        UDI (2)      CLIP      14201xx      COLP      14201xx        COLP      14201xx      COLP      14202xx      COLP      14205xx        COLP      14200xx      COLP      14200xx				Alternate speech and facsimile group 3	13205xx
Specifi (1)      CLIP      14101xx        COLP      14101xx        COLP      14103xx        COLR      14105xx        CUG      14105xx        CUG      14105xx        CUG      14105xx        CUG      14105xx        SUB      14106xx        CFU      14107xx        CFB      14108xx        CFNRy      14109xx        CFNRy      14109xx        CFNRy      14109xx        CFNR      14110xx        HOLD      141111xx        CFNR      14110xx        HOLD      141111xx        CGR      141111xx        CGC      141111xx        CGC      141111xx        CGE      14111111111        CUG      CFU      141111111111        CUG      CFU      14110xx        CGE      CW      141111111        CUG      CFU      14201xx        CUG      CFU      14201xx        CUG      14204xx      CUG        CFB <t< th=""><th></th><th>Supplementary</th><th>Speech (1)</th><th></th><th>1/101</th></t<>		Supplementary	Speech (1)		1/101
UDI (2)      CLIP      14102Xx        COLR      14104xx      CUG      14105xx        CUG      14105xx      SUB      14106xx        CFU      14107xx      CFB      14109xx        CFB      14109xx      CFNRy      14109xx        CFNRy      14109xx      CFNRy      14109xx        CFNRc      14110xx      CNU      14111xx        CW      14111xx      CW      14111xx        CW      14111xx      CUS 1 implicit      14111xx        CUS 1 implicit      14111xx      CUS 1 implicit      14111xx        CUS CFU      141117xx      CUG 2      CUF 1 4201xx        CUS CFU      14116xx      CGLR      14202xx        COLP      14201xx      CLIR      14202xx        COLP      14203xx      COLR      14205xx        COLR      14205xx      COLR      14205xx        CUG CFU      14205xx      CFU      14205xx        CUG CFU      14205xx      CFU      14205xx        CUG CFU      14205xx      CFI      14205xx		Services (14)	Speech (1)		14102xx
UCLP 14103XX CUCR 14104xx CUG 14105xx SUB 14106xx CFU 14107xx CFU 14108xx CFU 14108xx CFNRy 14109xx CFNRy 14109xx CFNRc 14111xx UUS 1 implicit 14113xx MPTY 14114xx Cull Barring services 14115xx Interactions CUG_CFU 14116xx CFB_CW 14117xx CUG_CFU 14116xx CCB_CW 14117xx CUG_1CH 14201xx CUG_1CH 14202xx COLP 14203xx COLP 14203xx COLP 14203xx COLR 14206xx CFB 14206xx CFB 14206xx CFB 14206xx CFB 14207xx CFB 14207xx CFB 14207xx CFB 14207xx CFB 14207xx CFB 14207xx CFB 14207xx CFNRy 14209xx CFNRy 14207xx CFB 14207xx C					1410233
UDI (2) CUR 14105xx SUB 14105xx CFU 14105xx CFB 14108xx CFNRy 14109xx CFNRy 14109xx CFNRy 14110xx HOLD 14111xx UUS 1 implicit 14111xx UUS 1 implicit 141115xx Interactions 1 CUG_CFU 14116xx CFB_CW 14117xx CLIP 14201xx CLIR 14202xx COLP 14203xx COLP 14203xx COLR 14204xx COLR 14204xx COLR 14205xx SUB 14206xx CFB 14205xx SUB 14206xx CFU 14207xx CFB 14205xx UUS 1 implicit 14211xx CFB 14208xx CFNRc 14210xx UUS 1 implicit 14211xx CFB 14208xx CFNR 14209xx CFNR 14200xx UUS 1 implicit 14211xx Call Barring services 14212xx Interactions 1 CUG_CFU 14213xx UUS 1 implicit 1500xx UD 15101xx					14103XX
UDI (2) UDI (2) CLUG 14106xx CFU 14107xx CFRy 14109xx CFNRc 14110xx HOLD 14111xx CW 14112xx UUS 1 implicit 14113xx MPTY 14114xx Call Barring services 14115xx Interactions CUG_CFU 14116xx CFB_CW 14117xx CLIR 14202xx COLP 14203xx COLP 14203xx COLP 14203xx COLP 14203xx COLP 14205xx SUB 14206xx CFU 14205xx SUB 14206xx CFU 14207xx CFB 14208xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRc 14211xx CFB 14208xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNRy 14209xx CFNR 14211xx CGI Barring services 14212xx Interactions CUG_CFU 14213xx UUS 1 implicit 14211xx Call Barring services 14212xx Interactions CUG_CFU 14213xx CUG_CFU 14					14104XX
SUB    14100xx      CFU    14107xx      CFB    14108xx      CFNRy    14108xx      CFNRc    14110xx      HOLD    14111xx      CW    14112xx      UUS 1 implicit    14112xx      UUS 1 implicit    141112xx      UUS 1 implicit    14112xx      UUS 1 implicit    14112xx      UUS 1 implicit    141112xx      UUS 1 implicit    141112xx      UUS 2    CLIP    14110xx      Call Barring services    141117xx      COLP    14201xx      CUG    14117xx      COLP    14201xx      COLP    14201xx      COLP    14202xx      COLP    14205xx      SUB    14206xx      CFNRy    14208xx      CFNRy    14208xx      CFNRy    14200xx      CFNRy    14200xx      CFNRy    14200xx      CFNRy    14208xx      CFNRy    14208xx      CFNRy    14200xx      UUS 1 implicit    14210xx <th></th> <th></th> <th></th> <th></th> <th>14105XX</th>					14105XX
UDI (2)      CFU      14107xx        CFNRy      14108xx        CFNRy      14109xx        CFNRc      14110xx        HOLD      141111xx        CW      141112xx        UUS 1 implicit      141112xx        UUS 1 implicit      141112xx        UUS 1 implicit      141112xx        UUS 1 implicit      14114xx        Call Barring services      14116xx        CFB_CW      141117xx        UDI (2)      CLIP      14201xx        CLR      14202xx        COLR      14202xx        COLR      14204xx        CUG      14205xx        SUB      14206xx        CFN      14206xx        CFU      14207xx        CFB      14208xx        CFNRy      14208xx        CFNRy      14209xx        CFNRy      14209xx        CFNRy      14209xx        CFNRy      14209xx        CFNRy      14209xx        CHI Barring services      14211xx        Call Barring services      14211				SUB	14106XX
CFB    14108xx      CFNRy    14108xx      CFNRc    14110xx      HOLD    14111xx      CW    14112xx      UUS 1 implicit    14111xx      CW    14112xx      UUS 1 implicit    14111xx      CW    14112xx      UUS 1 implicit    14111xx      CQW    14112xx      UUS 1 implicit    14115xx      Interactions    CUG_CFU      CUG_CFU    14116xx      CFB_CW    14117xx      UDI (2)    CLIP      UDI (2)    CLIP      UDI (2)    CLIP      UB    14201xx      COLR    14202xx      COLR    14203xx      CUG    14205xx      CFB    14206xx      CFU    14207xx      CFB    14208xx      CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx      B-channel (15)    (1)    Speech    1510				CFU	14107xx
CFNRy    14109xx      CFNRc    14111xx      CW    14111xx      CW    14111xx      CW    14112xx      UUS 1 implicit    14113xx      MPTY    14114xx      Call Barring services    14115xx      Interactions    CUG_CFU      CUG_CFU    14116xx      CFB_CW    14117xx      UDI (2)    CLIP      UB (2)    CLIR      UB (2)    CLIR      UB (2)    CLIR      UB (2)    CLIP      UB (2)    CUG (2)      CUG (2)    14205xx      CFNR    14206xx      CFNR    14205xx				CFB	14108xx
CFNRc    14110xx      HOLD    14111xx      CW    14112xx      UUS 1 implicit    14113xx      MPTY    14113xx      MPTY    14116xx      Call Barring services    14116xx      CUG_CFU    14116xx      COLP    14201xx      CLIR    14201xx      COLP    14203xx      COLP    14203xx      COLR    14204xx      CUG    14205xx      SUB    14206xx      CFNR    14208xx      CFNR    14208xx      CFNRc    1420xx      UUS 1 implicit    14211xx      Call Barring services				CFNRy	14109xx
HOLD 14111xx CW 141112xx UUS 1 implicit 14113xx MPTY 14114xx Call Barring services 14115xx Interactions CUG_CFU 14116xx CFB_CW 14117xx UDI (2) CLIP 14201xx CLIR 14202xx COLP 14203xx COLP 14203xx COLP 14205xx SUB 14206xx CFU 14205xx SUB 14206xx CFU 14207xx CFB 14206xx CFNRy 14209xx CFNRy 14209xx US 1 implicit 14211xx Call Barring services 14212xx Interactions CUG_CFU 14213xx US 1 implicit 14211xx Call Barring services 14212xx US 1 implicit 14211xx CALL Barring services 14212xx CFNR + CALL BARRAN CUG_CFU 14213xx				CFNRc	14110xx
CW      14112xx        UUS 1 implicit      14113xx        MPTY      14114xx        Call Barring services      14115xx        Interactions				HOLD	14111xx
UUS 1 implicit      14113xx        MPTY      14114xx        Call Barring services      14115xx        Interactions				CW	14112xx
MPTY    14114xx      Call Barring services    14115xx      Interactions				UUS 1 implicit	14113xx
Call Barring services    14115xx      Interactions    CUG_CFU      CUG_CFU    14116xx      CFB_CW    14117xx      UDI (2)    CLIP      CLIR    14201xx      COLP    14201xx      COLP    14201xx      COLP    14202xx      COLR    14204xx      CUG    14205xx      SUB    14206xx      CFU    14206xx      CFU    14208xx      CFNRy    14209xx      CFNRy    14209xx      CFNRy    14209xx      CFNRy    14209xx      CFNRy    14209xx      CFNRy    14209xx      CFNRy    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx      B-channel (15)    (1)    Speech      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				MPTY	14114xx
UDI (2)      CLIP      14116xx        UDI (2)      CLIP      14201xx        CLIR      14202xx        COLP      14203xx        COLR      14204xx        CUG_CFU      14205xx        CUG      14205xx        CUG      14205xx        CUG      14205xx        CUG      14205xx        CUG      14206xx        CFU      14207xx        CFB      14208xx        CFNRy      14209xx        CFNRy      14209xx        CFNRc      14210xx        UUS 1 implicit      14211xx        Call Barring services      14212xx        Interactions      CUG_CFU      14213xx        Bechannel (15)      (1)      Speech      15101xx        3,1 kHz audio ex PLMN      15102xx      UDI      15103xx				Call Barring services	14115xx
UDI (2)      CLIP      14116xx        UDI (2)      CLIP      14201xx        CLIR      14202xx        COLP      14203xx        COLR      14205xx        SUB      14205xx        SUB      14206xx        CFU      14205xx        SUB      14206xx        CFU      14209xx        CFB      14208xx        CFNRy      14209xx        CFNRy      14209xx        CFNRc      14211xx        Call Barring services      14212xx        Interactions      CUG_CFU        CUG_CFU      14213xx        B-channel (15)      (1)      Speech        Speech      15101xx        3,1 kHz audio ex PLMN      15102xx        UDI      15103xx				Interactions	
UDI (2)      CLIP      14201xx        CLIR      14202xx        COLP      14203xx        COLR      14204xx        CUG      14205xx        SUB      14206xx        CFB_CW      14203xx        COLP      14203xx        COLR      14205xx        SUB      14206xx        CFU      14207xx        CFB      14208xx        CFNRy      14209xx        CFNRc      14210xx        UUS 1 implicit      14211xx        Call Barring services      14212xx        Interactions      CUG_CFU        CUG_CFU      14213xx        UUS 1 implicit      14213xx        UUS 1 implicit      14213xx        UUS 1 implicit      14213xx        UUS 2.0      14213xx				CUG_CFU	14116xx
UDI (2)      CLIP      14201xx        CLIR      14202xx        COLP      14203xx        COLR      14204xx        CUG      14205xx        SUB      14206xx        CFU      14207xx        CFB      14208xx        CFNRy      14209xx        CFNRc      14210xx        UUS 1 implicit      14211xx        Call Barring services      14212xx        Interactions      CUG_CFU        CUG_CFU      14213xx        UUS 1 implicit      14213xx        UUS 1 implicit      14212xx        Interactions      CUG_CFU        UUD      15101xx        3,1 KHz audio ex PLMN      15102xx        UDI      15103xx				CFB_CW	14117xx
UDI (2)      CLIP      14201xx        CLIR      14202xx      COLP      14203xx        COLR      14204xx      CUG      14205xx        SUB      14206xx      CFU      14207xx        CFU      14207xx      CFB      14208xx        CFNRy      14209xx      CFNRy      14209xx        CFNRy      14209xx      CFNRy      14209xx        CFNRc      14209xx      CFNRy      14209xx        CFNRc      14210xx      UUS 1 implicit      14211xx        Call Barring services      14212xx      Interactions      CUG_CFU      14213xx        B-channel (15)      (1)      Speech      15101xx      3,1 kHz audio ex PLMN      15102xx        UDI      15103xx      15103xx      15103xx      15103xx					
CLIR    14202xx      COLP    14203xx      COLR    14204xx      CUG    14205xx      SUB    14206xx      CFU    14207xx      CFB    14208xx      CFNRy    14209xx      CFNRc    14200xx      UUS 1 implicit    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx      UUS 1 implicit    14213xx      UUS 1 implicit    14213xx			UDI (2)	CLIP	14201xx
COLP    14203xx      COLR    14204xx      CUG    14205xx      SUB    14206xx      CFU    14207xx      CFB    14209xx      CFNRy    14209xx      CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx				CLIR	14202xx
COLR    14204xx      CUG    14205xx      SUB    14206xx      CFU    14207xx      CFB    14208xx      CFNRy    14209xx      CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx				COLP	14203xx
CUG    14205xx      SUB    14206xx      CFU    14207xx      CFB    14208xx      CFNRy    14209xx      CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				COLR	14204xx
SUB    14206xx      CFU    14207xx      CFB    14208xx      CFNRy    14209xx      CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CFU    14213xx      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				CUG	14205xx
CFU    14207xx      CFB    14208xx      CFNRy    14209xx      CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CUG_CFU    14213xx      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				SUB	14206xx
CFB      14208xx        CFNRy      14209xx        CFNRc      14210xx        UUS 1 implicit      14211xx        Call Barring services      14212xx        Interactions      CUG_CFU        CUG_CFU      14213xx        3,1 kHz audio ex PLMN        15101xx        UUI      15103xx				CFU	14207xx
CFNRy      14209xx        CFNRc      14210xx        UUS 1 implicit      14211xx        Call Barring services      14212xx        Interactions      CUG_CFU        CUG_CFU      14213xx        Bechannel (15)      (1)        Speech      15101xx        3,1 kHz audio ex PLMN      15102xx        UDI      15103xx				CFB	14208xx
CFNRc    14210xx      UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      CFU    14213xx      B-channel (15)    (1)      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				CFNRy	14209xx
UUS 1 implicit    14211xx      Call Barring services    14212xx      Interactions    CUG_CFU      E-channel (15)    (1)      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				CFNRc	14210xx
Call Barring services    14212xx      Interactions    CUG_CFU      B-channel (15)    (1)      Speech    15101xx      3,1 kHz audio ex PLMN    15102xx      UDI    15103xx				UUS 1 implicit	14211xx
B-channel (15) (1) Speech 15101xx 3,1 kHz audio ex PLMN 15102xx UDI 15103xx				Call Barring services	14212xx
B-channel (15)      (1)      Speech      14213xx        3,1 kHz audio ex PLMN      15101xx        UDI      15103xx				Interactions	
B-channel (15)      (1)      Speech      15101xx        3,1 kHz audio ex PLMN      15102xx      UDI      15103xx				CUG_CFU	14213xx
3,1 kHz audio ex PLMN 15102xx UDI 15103xx		B-channel (15)	(1)	Speech	15101xx
UDI 15103xx	l		1.7	3.1 kHz audio ex PLMN	15102xx
				UDI	15103xx

NOTE: Numbers in brackets represent group/subgroup numbers and are used in Test Purpose identifiers.

#### ETSI

# 6 Test Purposes

### 6.1 Introduction

For each test requirement a Test Purpose is defined.

#### 6.1.1 Test purpose naming convention

The Test Purposes are identified by a six or seven figure numbering scheme were the first figure (or both the first and the second figures) identifies the Test Group, followed by a three figure number for

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subgroup and a two figures serial number, starting at 01, within each group/subgroup. Groups are organized according to the TSS. See table 1 below.

#### Table 1: Test Purpose Identifier naming convention scheme

#### Identifier: TC **<Test group** > **<Sub group** > **<nn**>

<Test group>: 1 or 2 digit field representing group reference according to TSS

- 1 = ISDN-PLMN/Basic\_call
- 2 = ISDN-PLMN/Supplementary\_services
- 3 = ISDN-PLMN/B-channel
- 4 = PSTN-PLMN/Basic\_call
- 5 = PSTN-PLMN/Supplementary\_services
- 6 = PSTN-PLMN/B-channel
- 7 = PLMN-ISDN/Basic\_call
- 8 = PLMN-ISDN/Supplementary\_services
- 9 = PLMN-ISDN/B-channel
- $10 = PLMN-PSTN/Basic_call$
- 11 = PLMN-PSTN/Supplementary\_services
- 12 = PLMN-PSTN/B-channel
- 13 = PLMN-PLMN/Basic\_call
- 14 = PLMN-PLMN/Supplementary\_services

15 = PLMN-PLMN/B-channel

<Subgroup>: 3 digit field representing sub group reference according to TSS

 $\langle nn \rangle =$  sequential number (01-99)

#### 6.1.2 Source of test purpose definition

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

The Test Purposes for PLMN are based on ETS 300 557 [35] (GSM 04.08), ETS 300 599 [41] (GSM 09.02), ETS 300 604 [42] (GSM 09.07) and the applicable standards for supplementary services.

# 6.1.3 Test purpose structure

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

Identifier	ISDN or PSTN ref. to:	PLMN ref. to:
TSS reference:	Test Suite Structure reference	
ISDN or PSTN	The criteria necessary in order to select the ISDN test	
selection criteria:		
PLMN selection criteria:	The criteria necessary in order to select the PLMN test	
Test purpose:	Description of the test purpose	
ISDN or PSTN	Values of parameters used for the ISDN or PSTN test execution.	
Parameter values:		
PLMN Parameter	Values of parameters used for the PLMN test execution.	
values:		
Comments:	Any relevant comments and referen	nce

#### Table 3: Format of a single Test Purpose for PLMN-PLMN tests

Identifier	PLMN ref. to:	
TSS reference:	Test Suite Structure reference	
PLMN selection criteria	The criteria necessary in order to select the PLMN orign. Test	
orign.:		
PLMN selection criteria	The criteria necessary in order to select the PLMN dest. Test	
term.:		
Test purpose:	Description of the test purpose	
PLMN parameter	Values of parameters used for the PLMN orign. test execution.	
values orign.:		
PLMN parameter	Values of parameters used for the PLMN term. test execution.	
values term .:		
Comments:	Any relevant comments and reference	

# 6.2.1 Test purposes for ISDN-PLMN, Basic call

### 6.2.1.1 Successful

Successful	
Speech	

110101	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 5.1.5.1	ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/Speech/TC110101
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment usin	g en-bloc sending is performed correctly.
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values:		
Comments:		

110102	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2	
	subclause 5.1.5.2	ETS 300 604 [42], subclause 10.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/Speech/TC110102	
ISDN selection criteria:	Speech		
PLMN selection criteria:	TS 11		
Test purpose:	Ensure that call establishment using overlap sending is performed correctly.		
ISDN parameter values:	BC=speech, no HLC		
PLMN parameter	GSM-BC=speech, no HLC		
values			
Comments:			

110103	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 5.3.3	ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/Speech/TC110103
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter	GSM-BC=speech, no HLC	
values		
Comments:		

110104	ISDN ref. To:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 5.3.3	ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/Speech/TC110104
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter	GSM-BC=speech, no HLC	
values		
Comments:		

110105	ISDN ref. to:	PI MN ref. to:
110105	FN 300 403-1 [1].	FTS 300 557 [35], subclause 5.2.2
	subclause 4.5.17	ETS 300 604 [42], subclause 10.2.2
	TBR 8 [22]. subclause 5.1.3.	ETS 300 582 [40], subclause B.2.8
	EG 201 018 [2], subclause 6.3.1	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/Speech/TC110105
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user.	
ISDN parameter values:	BC=speech, HLC = telephony	
PLMN parameter	GSM-BC=speech, HLC = telephony	
values		
Comments:		

#### Successful 3,1 kHz audio

110201	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 5.1.5.1	ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110201
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi-numbering Scheme, T	S 11
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

110202	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.	ETS 300 557 [35], subclause 5.2.2
	5.1	ETS 300 604 [42], subclause 9.2.2, 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/	'3,1 kHz audio/TC110202
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment with	out exhaustive compatibility information for deducing a
	GSM Basic Service using en-bloc s	ending (single-numbering scheme) and the call
	clearing procedure is performed co	rrectly when the calling user clears after answer.
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter		
values		
Comments:	The call set-up to the mobile will no	t contain a GSM-BC element

110203	ISDN ref. To:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 5.1.5.2	ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110203
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a	
	GSM Basic Service using overlap s	ending and the call clearing procedure is performed
	correctly when the called user clea	rs after answer.
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

110204	ISDN ref. to: EN 300 403-1 [1], subclause 5.1.5.2	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 9.2.2,	
		subclause 10.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110204	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.		
ISDN Parameter	BC=3,1 kHz audio, no HLC		
values:			
PLMN Parameter			
values:			
Comments:	The call set-up to the mobile will no	t contain a GSM-BC element	

110205	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2.4,
	subclause 5.1.6	subclause 10.5.4.21
		ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	'3,1 kHz audio/TC110205
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to	
	the called MS.	
ISDN parameter values:	BC=3,1 kHz audio, progress value #3 "origination address is non ISDN".	
PLMN parameter	GSM-BC=speech, progress value #3 "origination address is non ISDN".	
values:		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC	
	stored in the VLR and the progress value #3 "origination address is non ISDN".	
	The progress indicator information element is transported in the Access Transport	
	parameter of the initial address message (IAM). The access transport parameter will be	
	transported transparently. It is the responsibility of the end points to ensure compatibility.	

110206	ISDN ref. to: EN 300 403-1 [1], subclause 5.1.6	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2.4, subclause 10.5.4.21
TSS reference:	ISDN-PLMN/Basic_call/Successful	2 1 kHz audio/TC110206
	ISDN-FLIVIN/Dasic_Call/Succession	75,1 KHZ duulo/10110200
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to	
	the called MS (single-numbering so	cheme).
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, progress value #3	
	"origination address is non ISDN".	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, LLC = 3,1 kHz audio,	
values:	voice band data via modem, progress value #3 "origination address is non ISDN".	
Comments:		

110207	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.17	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.10
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110207
ISDN selection criteria:	Telefax G3 terminals;	
PLMN selection criteria	TS 61	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC	
	value "facsimile group 2/3" are mapped in two GSM BC-IE preceded by a repeat	
	indicator, one representing speech	, the other representing facsimile group 3.
ISDN Parameter	BC=3,1 kHz audio, HLC = Facsimil	e G2/G3
values:		
PLMN Parameter	first GSM-BC=speech	
values	second GSM-BC= facsimile G3, HL	C = Facsimile G2/G3
Comments:		

110208	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.17	ETS 300 604 [42], subclause 10.2.2, case 3 in HLR,
		case 5 in VMSC)
		ETS 300 582 [40], subclause B.2.11
TSS reference:	ISDN-PLMN/Basic_call/Successful	l/3,1 kHz audio/TC110208
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter	GSM-BC= facsimile G3, HLC = Fac	csimile G2/G3
values:		
Comments:		

110209	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.17	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.10
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110209
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	Single numbering Scheme, TS 62	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3 (single-numbering scheme).	
ISDN Parameter values:	BC=3,1 kHz audio, HLC = Facsimil	e G2/G3
PLMN Parameter values	GSM-BC= facsimile G3, HLC = Fac	csimile G2/G3
Comments:		

110210	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.3
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110210
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio, voice band	
	data via modem, synchronous, use	r rate 1,2 kbit/s is correctly mapped to the called user.
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s,	
	no LLC.	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations.	
	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the	
	ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate	
	adaption V.110/X.30 or V.120 [54].	

110211	ISDN ref. to: EN 300 403-1 [1],	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2
	SUBCIAUSE 4.5.5	ETS 300 604 [42], subclause 10.2.2
TCC references	ISDN DI MN/Pagia coll/Supposeful	2 1 kHz audio/TC110211
155 reference:	ISDN-FLIVIN/DASIC_Call/Successiul	(3,1 KHZ duul0/10110211
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 32	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate adaption V.110/X.30 or V.120 [54].	

110212	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110212
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate adaption V.110/X.30 or V.120 [54].	

110213	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.5	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110213
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 34	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz audio, voice band	
	data via modem, synchronous moc	le, user rate 9,6 kbit/s is correctly mapped to the
ISDN parameter	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s,	
values:	no LLC	· · · · · · · · · · · · · · · · · · ·
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 9,6 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations.	
	According ETS 300 102-1 [46] sub	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the
	ISDN-BC may be present if octet 5	indicates either of the ITU-T standardized rate
	adaption V.110/X.30 or V.120 [54].	

110214	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110214
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 31	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio information is	
	mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous	
values:	mode, user rate 1,2 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 1,2 kbit/s, LLC = 3,1 kHz audio	o, voice band data via modem, synchronous mode,
	user rate 1,2 kbit/s	
Comments:		

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110215	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110215
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 32	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information	
	is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous	
values:	mode, user rate 2,4 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode,	
	user rate 2,4 kbit/s	
Comments:		

110216	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110216
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 33	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
ISDN parameter	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous	
values:	mode, user rate 4,8 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode,	
	user rate 4,8 kbit/s	
Comments:		

110217	ISDN ref. to:	PI MN ref. to:
110217	EN 300 403-1 [1]	ETS 300 557 [35] subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110217
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 34	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly	
	mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem,	
	synchronous mode, user rate 9,6 k	bit/s is correctly delivered to the called user.
ISDN parameter	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous	
values:	mode, user rate 9,6 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode,	
	user rate 9,6 kbit/s	
Comments:		

110218	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2	
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.2.3	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110218	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio, synchronous mode, BS 31		
criteria:			
Test purpose:	Support of voice band data via modem: Ensure that the BC = 3,1 kHz audio, voice band		
	data via modem, synchronous mode, user rate 1,2 kbit/s and		
	LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2		
	kbit/s is correctly mapped to the ca	lled user.	
ISDN parameter	BC=LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2		
values:	kbit/s		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user		
values:	rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user		
	rate 1,2 kbit/s		
Comments:	The test is not applicable for ETS 3	00 102-1 [46] implementations.	
	According ETS 300 102-1 [46] sub	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the	
	ISDN-BC may be present if octet 5	indicates either of the ITU-T standardized rate	
	adaption V.110/X.30 or V.120 [54].		

110219	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110219
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the BC = $3,1$ kHz audio, voice band data via modem, synchronous mode, user rate $2,4$ kbit/s is correctly mapped and the LLC = $3,1$ kHz audio, voice band data via modem, synchronous mode, user rate $2,4$ kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate adaption V.110/X.30 or V.120 [54].	

110220	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110220
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 33	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band	
	data via modem, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the	
	LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8	
	kbit/s is correctly delivered to the c	alled user.
ISDN parameter	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate	
values:	4,8 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode,	
	user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 3	00 102-1 [46] implementations.
	According ETS 300 102-1 [46] sub	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the
	ISDN-BC may be present if octet 5	indicates either of the ITU-T standardized rate
	adaption V.110/X.30 or V.120 [54].	

110221	ISDN ref. to:	PI MN ref. to:
	EN 300 403-1 [1]	FTS 300 557 [35] subclause 5.2.2
		ETS 300 604 [42] subclause 10.2.2
	30000030 4.0.10	ETS 200 582 [40] subclause B 2 2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/1C110221
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, synchronous mode, BS 34	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = $3,1 \text{ kHz}$ audio voice band data via modem, synchronous mode, user rate $9,6 \text{ kbit/s}$ is correctly mapped and the LLC = $3,1 \text{ kHz}$ audio, voice band data via modem, synchronous mode, user rate $9,6 \text{ kbit/s}$ is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110222	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.5	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110222
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 21	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band	
	data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly mapped to the	
	called user.	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s,	
values:	no LLC	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,	
values:	user rate 0,3 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations.	
	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the	
	ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate	
	adaption V.110/X.30 or V.120 [54].	

110223	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.5	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110223
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 22	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 3 According ETS 300 102-1 [46] sub ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54].	00 102-1 [46] implementations. clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate

110224	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110224
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 24	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate adaption V.110/X.30 or V.120 [54].	

110225	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	(3,1 kHz audio/1C110225
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 25	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate adaption V.110/X.30 or V.120 [54].	

110226	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.5	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110226
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 26	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped to the called user	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITU-T standardized rate adaption V.110/X.30 or V.120 [54].	

110227	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2
	subclause 4.5.18	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110227
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 21	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz audio information is	
	correctly mapped to the called user and the	
	LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3	
	kbit/s is correctly delivered to the c	alled user.
ISDN parameter	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous	
values:	mode, user rate 0,3 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 0,3 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode,	
	user rate 0,3 kbit/s	
Comments:		

110228	ISDN ref. to:	PI MN ref. to:
110220	EN 300 403-1 [1]	ETS 300 557 [35] subclause 5.2.2
		ETC 000 007 [00], Subblause 0.2.2
	Subciause 4.5.16	E15 300 604 [42], Subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110228
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, BS 22 asynchronous mode	
criteria:		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information	
	is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via	
	modem, asynchronous mode, user	rate 1,2 kbit/s is correctly delivered to the called user.
ISDN parameter	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous	
values:	mode, user rate 1,2 kbit/s	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,	
values:	user rate 1,2 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous	
	mode, user rate 1,2 kbit/s	
Comments:		

110229	ISDN ref. to:	PI MN ref to:	
110225	EN 200 402-1 [1]	ETS 200 557 [25] subclause 5.2.2	
	EN 300 403-1 [1],	ETO 000 004 [40]	
	SUDCIAUSE 4.5.18	ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110229		
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio, asynchronous mode, BS 24		
criteria:			
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information		
	is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via		
	modem, asynchronous mode, user	rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous		
values:	mode, user rate 2,4 kbit/s		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,		
values:	user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous		
	mode, user rate 2,4 kbit/s		
Comments:			

110230	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110230		
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	Audio, asynchronous mode, BS 25		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.		
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s		
Comments:			

110231	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110231	
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice band data via modem	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:		
110232	ISDN ref. to:	PLMN ref. to:
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	EN 300 403-1 [1], subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110232
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s audio is correctly mapped and the LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:	The test is not applicable for ETS 3	300 102-1 [46] implementations.
	According ETS 300 102-1 [46] sub ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54].	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate

110233	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110233
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s audio is correctly mapped and the LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 3	300 102-1 [46] implementations.
	According ETS 300 102-1 [46] sub ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54].	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate

110234	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successfu	l/3,1 kHz audio/TC110234
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 3	300 102-1 [46] implementations.
	According ETS 300 102-1 [46] sub ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54]	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate

110235	ISDN rof to:	DI MNI rof. to:
110233	EN 200 402 4 [1]	
	subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110235
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of voice band data via modem. Ensure that the BC = $3,1 \text{ kHz}$ audio, voice band data via modem, asynchronous mode, user rate $4,8 \text{ kbit/s}$ is correctly mapped and the LLC = $3,1 \text{ kHz}$ audio, voice band data via modem, asynchronous mode, user rate $4,8 \text{ kbit/s}$ is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations.	
	According ETS 300 102-1 [46] sub- ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54].	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate

110236	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/3,1 kHz audio/TC110236
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the BC = $3,1$ kHz audio voice band data via modem, asynchronous mode, user rate $9,6$ kbit/s is correctly mapped and the LLC = $3,1$ kHz audio, voice band data via modem, asynchronous mode, user rate $9,6$ kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:	The test is not applicable for ETS 3	300 102-1 [46] implementations.
	According ETS 300 102-1 [46] sub ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54].	clause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate

110237	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 5.1.5.1	ETS 300 557 [35], subclause 5.2.2	
		ETS 300 604 [42], subclause 10.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Su	ccessful/3,1 kHz audio/TC110237	
ISDN selection criteria:	Bearer service 3,1 kHz auc	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Multi-numbering Scheme		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer.		
ISDN parameter values:	BC=3,1 kHz audio, no HLC		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem ACCESS_RATE (PIXIT)		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR		

## Successful UDI

110301	ISDN ref. to:	PLMN ref. to:
	subclause 5.1.5.1	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Su	ccessful/UDI/TC110301
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi-numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC = UDI, no HLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.3	0,
Comments:	The call set-up to the mobi stored in the VLR	le will contain a GSM BC mapped from the BC/LLC/HLC

110302	ISDN ref. to:	PLMN ref. to:
	subclause 5.1.5.1	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successfu	//UDI/TC110302
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC = UDI, no HLC	
PLMN parameter values:		
Comments:	The call set-up to the mobile will n	ot contain a GSM-BC element

110303	ISDN ref. to:	PLMN ref. to:	
	subclause 5.1.5.2	ETS 300 557 [35], subclause 5.2.2	
		ETS 300 604 [42], subclause 10.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Su	ccessful/UDI/TC110303	
ISDN selection criteria:	Bearer service UDI	Bearer service UDI	
PLMN selection criteria:	UDI, Multi-numbering Scheme		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending and the call clearing procedure is performed correctly when the called user clears after answer.		
ISDN parameter values:	BC = UDI, no HLC		
PLMN parameter values:	GSM-BC = UDI, V.110/X.30,		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR		

110304	ISDN ref. to:	PLMN ref. to:
	subclause 5.1.5.2	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successfu	//UDI/TC110304
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC = UDI, no HLC	
PLMN parameter values:		
Comments:	The call set-up to the mobile will n	ot contain a GSM-BC element

110305	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.3
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110305
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC= UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synch	ronous mode, user rate 1,2 kbit/s, no LLC
Comments:		

110306	ISDN ref. to:	PLMN ref. to:
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110306	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110 synchronous mode, user rate 2,4 k user.	0/X.30.Ensure that the BC = UDI, V.110/X.30, bit/s information is correctly mapped to the called
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:		

110007		
110307	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		E I S 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110307
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, synchronous mode, BS 33	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the	
	BC = UDI, V.110/X.30, synchronou	s mode, user rate 4,8 kbit/s information is correctly
	mapped to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, synchronous mode, user rate 4.8 kbit/s, no LLC	
values:		
PI MN parameter	GSM_BC - UDL V 110/X 30, synchronous mode, user rate 4.8 khit/s, no.11.0	
	GGW-DC = GDI, V.110/X.00, Synch	ionous mode, user rate 4,0 kbit/s, no EEO
values:		
Comments:		

110308	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], Subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110308
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:		

110309	ISDN ref. to:	PI MN ref. to:
	EN 300 403-1 [1] subclause 4 5 5	
	, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110309
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC= UDI,	
values:	LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchronous	s mode, user rate 1,2 kbit/s
Comments:		

110310	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
	ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110310
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

440044			
110311	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2	
	ETS 300 103 [5], Annex I.		
	EG 201 018 [2] subclause 7 1 1	ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110311	
	_		
ISDN selection	Bearer service UDI	Bearer service UDI	
criteria:			
DI MNI coloction	LIDL avaphronous mode, PS 22		
PLIMIN Selection	ODI, Synchronous mode, BS 33		
criteria:			
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped		
	and the LLC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s information is		
	correctly delivered to the called use	er.	
ISDN parameter	BC = UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s		
values:			
PI MN parameter	CSM BC - LIDL V 110/X 20, synchronous mode, user rate 4.8 khit/s		
	$G_{O}$ = $G_{O}$ , v. $T_{O}$ , synchronous mode, user falle 4,6 kDil/s,		
values:	LL C-LIDL V 110/X 30, synchronous mode, upprinted 4.8 kbit/s		
		5 mode, user rate 4,0 kbi/s	
Comments:			
Commenta.			

110010		
110312	ISDN ref. to:	PLWN ref. to:
	EN 300 403-1 [1],	
	subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
ISS reference:	ISDN-PLMN/Basic_call/Successful	/0DI/TC110312
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI. synchronous mode. BS 34	
criteria:	· , · , · , · · · · · · · · · · · · · ·	
Test nurnose:	Support of terminal adapters $V 110/X 30$ Ensure that the BC = UDI information is	
	correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user	
	Kbirs is correctly derivered to the c	alled user.
ISDN parameter	BC = UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9.6 kbit/s	
values:		
	LLC=UDI, V.110/X.30, synchrono	ous mode, user rate 9.6 kbit/s
	,,,,,,	
Comments:		

110313	ISDN ref. to:	PI MN ref. to:
	EN 300 403-1 [1], subclause 4.5.5	
	, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETE 200 (04 [42], and shares 10.2.2
		E15 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110313
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchrono	bus mode, user rate 1,2 kbit/s
Comments:		

110314	ISDN ref. to:	PI MN ref. to:
	EN 300 403-1 [1]	
	subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110314
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchro	onous mode, user rate 2,4 kbit/s
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

110315	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110315	
ISDN selection criteria:	Bearer service UDI		
PLMN selection criteria:	UDI, synchronous mode, BS 33	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.		
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchro	onous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synch LLC=UDI, V.110/X.30, synchrono	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
Comments:			

110316	ISDN ref. to:	PI MN ref. to:
110010	EN 200 402 1 [1]	
	subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110316
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s and LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is transported transparently through the network and correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchro	onous mode, user rate 9,6 kbit/s
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110317	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.3
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110317
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110 asynchronous mode, user rate 0,3	0/X.30. Ensure that the BC= UDI, V.110/X.30, kbit/s is correctly mapped to the called user.
ISDN parameter values:	BC = UDI, V.110/X.30, asynchrono	ous mode, user rate 0,3 kbit/s, no LLC
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, async	chronous mode, user rate 0,3 kbit/s, no LLC
Comments:		

110318	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.1.2	
TSS reference:	ISDN-PLMN/Basic_call/Succes	ISDN-PLMN/Basic_call/Successful/UDI/TC110318	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI, asynchronous mode, BS 22		
criteria:			
Test purpose:	Support of terminal adapters V.110/X.30.Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s information is correctly mapped to the called user.		
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, no LLC		
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, no LLC		
Comments:			

110319	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1].		
	subclause 4 5 5	ETS 300 557 [35], subclause 5.2.2	
	500010030 4.0.0		
		ETS 300 604 [42], subclause 10.2.2	
		ETS 200 592 [40] cubalance B 1 2	
		E15 500 582 [40], subclause B.1.2	
TSS reference:	ISDN-PLMN/Basic_call/Successfu	I/UDI/TC110319	
ISDN selection	Bearer service LIDI	Bearer service LIDI	
critoria:			
	LIDL asynchronous mode, BS 24		
PLIVIN Selection	UDI, asynchronous mode, BS 24		
criteria:			
Test purpose:	Support of terminal adapters V.110/X.30.Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s information is correctly mapped to the called user.		
ISDN parameter	BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, no LLC		
values:			
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, no LLC		
values:			
Comments:			

110320	ISDN ref. to:	PI MN ref. to:
110320		
	EN 300 403-1 [1], subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110320
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the	
	BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:		

110321	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5	ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110321
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:		

110322	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
	ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110322
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s,	
	LLC=UDI, V.110/X.30, asynchron	ous mode, user rate 0,3 kbit/s
Comments:		

110323	ISDN ref. to:	PI MN ref. to:
110323		
	EN 300 403-1 [1],	ETS 200 557 [25] substance 5.2.2
	subclause 4.5.18	E15 500 557 [55], subclause 5.2.2
	ETS 300 103 [5], Annex I,	ETS 200 (04 [42] and shares 10 2 2
	EG 201 018 [2], subclause 7.1.1	E15 500 604 [42], subclause 10.2.2
		ETS 200 592 [40] subslauss D 2 2
		E15 500 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110323
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, asynchronous mode, BS 22	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped	
	and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s information is	
	correctly delivered to the called user.	
ISDN parameter	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s,	
values:		
	LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110324	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
	ETS 300 103 [5], Annex I,	
	EG 201 018 [2], subclause 7.1.1	ETS 300 604 [42], subclause 10.2.2
		ETG 200 592 [40] 1 1 D.2.2
		E15 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110324
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, asynchronous mode, BS 24	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped	
	and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s information is	
	correctly delivered to the called use	er.
		aurahranaya mada yaar rata 2.4 khit/a
ISDN parameter	BC = 0DI, LLC=0DI, V.110/X.30, a	isynchronous mode, user rate 2,4 kbit/s
Values:	COM DO UDL V/440/V/20 covershrenovs mode visce rate 2.4 likit/-	
	GSIM-BC = UDI, V.TTU/X.30, asynchronous mode, user rate 2,4 kbit/s,	
values:	LLC-LIDI V 110/X 30 asynchronous mode user rate 2.4 kbit/s	
		ous mode, user rate 2,+ kon/s
Comments:		

110325	ISDN ref. to:	PI MN ref. to:	
110323			
	EN 300 403-1 [1],	ETS 200 557 [25] subclause 5.2.2	
	subclause 4.5.18	E15 500 557 [55], subclause 5.2.2	
	ETS 300 103 [5], Annex I,	ETS 200 $604 [42]$ subalance 10.2.2	
	EG 201 018 [2], subclause 7.1.1	E15 500 004 [42], subclause 10.2.2	
		ETS 200 592 [40] subalance P 2 2	
		E15 500 562 [40], subclause B.2.2	
TSS reference:	ISDN-PLMN/Basic call/Successful	/UDI/TC110325	
	_		
ISDN selection	Bearer service UDI, V.110/X.30 rat	Bearer service UDI, V.110/X.30 rate adaption	
criteria:			
PLMN selection	UDI, asynchronous mode, BS 25		
criteria:			
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped		
	and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s information is		
	correctly delivered to the called use	er.	
ISDN parameter	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s		
values:			
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s,		
values:			
	LLC=UDI, V.110/X.30, asynchron	ous mode, user rate 4,8 kbit/s	
Comments:			

110326	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
	subclause $45.18$	ETS 300 557 [35], subclause 5.2.2
	Subciause 4.5.10	
		ETS $300.604 [42]$ subclause $10.2.2$
		E15 500 004 [42], subclause 10.2.2
		ETC 200 592 [40] and alarray D 2 2
		E15 500 582 [40], subclause B.2.2
TSS references	ISDN PLMNI/Rasia call/Successful	
155 reference.	ISDN-F LIVIN/ Basic_call/Succession	001/10110320
ISDN selection	Bearer service LIDI	
critoria:		
PLWN selection	UDI, asynchronous mode, BS 20	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI information is	
	correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
	-	
ISDN parameter	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9.6 kbit/s	
values		
Values:	LLC=UDL V.110/X.30, asynchron	ous mode, user rate 9.6 kbit/s
Comments:		

110327	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], subclause B.2.2	
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110327	
ISDN selection criteria:	Bearer service UDI		
PLMN selection criteria:	UDI, asynchronous mode, BS 21	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110 asynchronous mode, user rate 0,3 V.110/X.30, asynchronous mode, u user.	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynch	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, async LLC=UDI, V.110/X.30, asynchror	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
Comments:			

110328	ISDN rof to:	PI MN rof to:
110320	ISDN 161. 10.	
	subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110328
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110329	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110329
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
	LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

110330	ISDN rof to:	PI MN rof to:
110550	ISDN 161. 10.	
	subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110330
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

	ICDN ref. to:	DI MNI ref. to.
110331	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful	/UDI/TC110331
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that BC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s and LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is transported transparently through the network and correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchi	ronous mode, user rate 9,6 kbit/s
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, asynch LLC=UDI, V.110/X.30, asynchron	ronous mode, user rate 9,6 kbit/s, ous mode, user rate 9,6 kbit/s
Comments:		

### 6.2.1.2 Unsuccessful



100101			
120101	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 5.1.4, subclause 5.3,	ETS 300 557 [35], Annex H.1.1	
	Annex M		
		ETS 300 599 [41], subclause 18.2	
TSS reference:	ISDN-PLMN/Basic_call/Unsucces	sful/Speech/TC120101	
ISDN selection	Speech		
PLMN selection criteria:	TS 11		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".		
ISDN parameter values:	BC=speech	BC=speech	
PLMN parameter values:			
Comments:	Some PLMNs provide announcer	nent instead of sending cause value #1.	
	In the case when the calling user is calling to an unallocated number the tones or announcement can only by generated in the destination exchange (or intermediate exchange) during call establishment (see Q.764 [43] subclause 2.2).		
	The originating exchange sends a progress indicator #8 thus indicat release procedure apply after the	DISCONNECT message to the calling user with ing that in-band information is available. Normal in-band information has been connected.	

120102	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1
		ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	sful/Speech/TC120102
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value # 3 "no route to destination".	
ISDN parameter	BC=speech	
values:		
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment.	
	The originating exchange sends a I progress indicator #8 thus indicatin release procedure apply after the in	DISCONNECT message to the calling user with 1g that in-band information is available. Normal 1-band information has been connected.

120103	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.2.subclause 5.1.	ETS 300 557 [35], Annex H.1.6
	Annex M	
TSS reference:	ISDN-PLMN/Basic_call/Unsucces	sful/Speech/TC120103
100 reference.		
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when the called user	is busy (UDUB) the network initiate call clearing to the
	calling user with a DISCONNECT	message indicating cause value #17 "user busy".
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	After receiving the SETUP message, the MS replies immediately with a	
	-	
	RELEASE COMPLETE (#17 "user busy")	
	The originating exchange sends a	DISCONNECT message to the calling
	upper with programs indicator #0 there indication that in hand inform-stires in	
	user with progress indicator #8 thus indicating that in-band information is	
	available. Normal release proce	dure apply after the in-band information has
	heen connected	
	been connected.	

120104	ISDN ref. to: EN 300 403-1 [1]	PLMN ref. to:
	subclause 5.2.subclause 5.1, Annex M	ETS 300 557 [35], Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/Speech/TC120104
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user i calling user with a DISCONNECT r	s busy (NDUB) the network initiate call clearing to the nessage indicating cause value #17 "user busy".
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	The originating exchange sends a progress indicator #8 thus indicatir procedure apply after the in-band i	DISCONNECT message to the calling user with g that in-band information is available. Normal release nformation has been connected.

120105	ISDN ref. to:	PLMN ref. to:
	ETS 300 102- 1	
	subclause 5.2.5.4. Annex M	ETS 300 557 [35]. Annex H.1.7
		ETS 300 599 $[41]$ subclause 18.2 subclause 18.3.2
		E15 500 577 [41], subclause 10.2, subclause 10.5.2
TSS reference:	ISDN-PLMN/Basic_call/Unsucc	essful/Speech/TC120105
ISDN selection	Speech	
criteria:		
PI MN selection		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR	
	(MAP Error #18) that the subsc	riber cannot be reached. The network initiates call
	clearing to the calling user with	cause value #20 "Subscriber absent".
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	NOTE: Some PLMNs provide a	nnouncements instead of sending cause value # 20.
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120106	<b>ISDN ref. to:</b> EN 300 403-1 [1],	PLMN ref. to:
	subclause 5.2.5.4, Annex M	ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120106	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends progress indicator #8 thus indica procedure apply after the in-band	a DISCONNECT message to the calling user with ting that in-band information is available. Normal release d information has been connected.

120107	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.1.9,	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
	subclause 5.3.2, Annex M	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/Speech/TC120107
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value # 21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value # 21 "call rejected".	
ISDN parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band in	DISCONNECT message to the calling user with g that in-band information is available. Normal release nformation has been connected.

120108	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1
		ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/Speech/TC120108
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released initiates call clearing to the calling u message with a cause such as one number", # 3 "No route to destination format (incomplete number").	d when the called number is incomplete. The network user with a DISCONNECT or RELEASE COMPLETE of the following: # 1 "Unassigned (unallocated) on", # 22 "Number changed" or # 28 "Invalid number
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	In some networks tones or announ (or intermediate exchange) during	cement can be generated in the destination exchange call establishment.
	The originating exchange sends a I progress indicator #8 thus indicatin release procedure apply after the in	DISCONNECT message to the calling user with ag that in-band information is available. Normal a-band information has been connected.

120109	ISDN ref. to: EN 300 403-1 [1],	PLMN ref. to:
	subclause 5.2.2, Annex M	E15 300 557 [35], Annex B.3.2, Annex H 5.3
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120109	
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band i	DISCONNECT message to the calling user with og that in-band information is available. Normal release nformation has been connected.

120110	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1] Annex M		
		ETS 300 557 [35] Annex H 1 5	
TSS reference:	ISDN-PLMN/Basic_call/Unsucc	cessful/Speech/TC120110	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11	TS 11	
criteria:			
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"		
	before answer from called user	, the network transport the cause value to the called user.	
ISDN parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:			

100111		
120111	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		ETS 200 557 [25] Approx H 1.6
	subclause 5.2.subclause 5.1,	E15 500 557 [55], Alliex n.1.0
	Annex M	
		ETS 300 511 [28], subclause 4.4.2.3
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/Speech/TC120111
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

# Unsuccessful 3,1 kHz audio

120201	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.4	
	, subclause 5.3, Annex M	ETS 300 557 [35], Annex H.1.1
		ETS 200.500 [41]  substance 18.2
		E15 500 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120201
ISON Selection	Bearer service 3,1 KHz audio	
criteria:		
PLWIN Selection		
lest purpose:	Ensure that, when calling to unalloc	cated number, the network initiate call clearing to the
	calling user with a RELEASE COW	PLETE of DISCONNECT message indicating cause
	value #1 unassigned number .	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	Some PLMNs provide announceme	ent instead of sending cause value #1.
	In the case when the calling user is	calling to an unallocated number the tones or
	announcement can only by generate	ed in the destination exchange (or intermediate
	exchange) during call establishmen	t (see Q.764 [43] subclause 2.2).
	The originating exchange sends a L	DISCONNECT message to the calling user with
	progress indicator #8 thus indicatin	g that in-band information is available. Normal
	release procedure apply after the in	-band information has been connected.

120202	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
	subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1
		ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuc	cessful/3,1 kHz audio/TC120202
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be rele initiates call clearing to the cal value # 3 "no route to destinat	eased when there is no route to destination. The network lling user with a DISCONNECT message indicating cause ion".
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter		
values:		
Comments:	In some networks tones or an (or intermediate exchange) du	nouncement can be generated in the destination exchange rring call establishment.

The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.

100000		
120203	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.2.subclause 5.1.	ETS 300 557 [35], Annex H 1.6
	Annex M	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120203
ISDN selection	Bearer service 3.1 kHz audio	
criteria:	,	
PLMN selection	Audio, Multi numbering Scheme, T	S 11
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	After receiving the SETUP messag COMPLETE (#17 "user busy").	e, the MS replies immediately with a RELEASE
	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band in	DISCONNECT message to the calling user with g that in-band information is available. Normal release nformation has been connected.

120204	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 5.2.subclause 5.1,	ETS 300 557 [35], Annex H 1.6	
	Annex M		
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	sful/3,1 kHz audio/TC120204	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter values:	BC=3,1 kHz audio		
PLMN parameter values:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.		
	After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy").		
	The originating exchange sends a	DISCONNECT message to the calling	
	user with progress indicator #8	thus indicating that in-band information is	
	available. Normal release proce	edure apply after the in-band information has	
	been connected.		

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120205	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2,	
	subclause 5.1, Annex M	E1S 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120205
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter		
values:		
Comments:	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band in	DISCONNECT message to the calling user with g that in-band information is available. Normal release nformation has been connected.

120206	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 5.2.5.4, Annex M	ETS 300 646 ETS 300 599 [41], 18.2, 18.3.2 ETS 300 557 [35], Annex H.1.7	
TSS reference:	ISDN-PLMN/Basic_call/Unsucces	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120206	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	Audio		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #20 "Subscriber absent".		
ISDN parameter values:	BC=3,1 kHz audio		
PLMN parameter values:			
Comments:	NOTE:Some PLMNs provide anno	ouncements instead of sending cause value # 20.	

120207	<b>ISDN ref. to:</b> EN 300 403-1 [1], subclause 5.2.5.4, Annex M	PLMN ref. to: ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120207
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band i	DISCONNECT message to the calling user with ig that in-band information is available. Normal release nformation has been connected

	EN 300 403-1 [1], subclause 5.2.5.4, Annex M	ETS 300 557 [35], Annex H.1.8	
TSS reference:	ISDN-PLMN/Basic_call/Unsucc	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120208	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted) (single- numbering scheme), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".		
ISDN parameter values:	BC=3,1 kHz audio		
PLMN parameter values:			
Comments:	The call set-up to the mobile wi The originating exchange sends progress indicator #8 thus indic release procedure apply after th	Il not contain a GSM-BC element. a DISCONNECT message to the calling user with ating that in-band information is available. Normal e in-band information has been connected.	

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ISDN ref. to:

120208

120209	<b>ISDN ref. to:</b> EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120209	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value # 21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value # 21 "call rejected".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band in	DISCONNECT message to the calling user with g that in-band information is available. Normal release nformation has been connected.

120210	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120210
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that when the called user (single-numbering scheme) rejects the call and responds with a RELEASE COMPLETE message indicating cause value # 21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value # 21 "call rejected".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The call set-up to the mobile will no	t contain a GSM-BC element.
	The originating exchange sends a I progress indicator #8 thus indicatin release procedure apply after the in	DISCONNECT message to the calling user with g that in-band information is available. Normal -band information has been connected.

120211	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1	
		ETS 300 599 [41], subclause 18.2	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120211	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	Audio		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following:		
	# 1 "Unassigned (unallocated) number", # 3 "No route to destination",		
	# 22 "Number changed" or # 28 –	"Invalid number format (incomplete number").	
ISDN parameter values:	BC=3,1 kHz audio		
PLMN parameter values:			
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment.		
	The originating exchange sends a I progress indicator #8 thus indicatir release procedure apply after the ir	DISCONNECT message to the calling user with ag that in-band information is available. Normal a-band information has been connected.	

120212	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.2.2, Annex M	300 557, Annex B.3.2, Annex H 5.3
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120212
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem	
PLMN parameter	GSM-BC=3,1 kHz audio, voice band data via modem	
values:		
Comments:	The originating exchange sends a progress indicator #8 thus indicatin procedure apply after the in-band in	DISCONNECT message to the calling user with g that in-band information is available. Normal release nformation has been connected.

120213	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], Annex M	
		ETS 300 557 [35], Annex H.1.5
TSS reference:	ISDN-PLMN/Basic call/Unsucce	essful/3,1 kHz audio/TC120213
	_	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	Ensure that when the calling use before answer from called user,	er clears with cause value #16 "normal call clearing" the network transport the cause value to the called user.
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:		

120214	ISDN ref. to:	PI MN ref. to:
120214		
	EN 300 403-1 [1], Annex M	
		ETS 300 557 [35], Annex H.1.5
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120214
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
ISDN parameter	BC=3.1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	In case of "single numbering" the c element.	all set-up to the mobile will not contain a GSM-BC

120215	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35],Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120215
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the calle	ed user sends a DISCONNECT (#17 "user busy").

120216	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35], Annex H 1.6	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	l sful/3,1 kHz audio/TC120216	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter values:	BC=3,1 kHz audio		
PLMN parameter values:			
Comments:	In case of "single numbering" the open element.	call set-up to the mobile will not contain a GSM-BC	
	While in the alerting state, the call	ed user sends a DISCONNECT (#17 "user busy").	

120217	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/3,1 kHz audio/TC120217
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice	e band data via modem with modem type V.26
PLMN selection criteria:	Audio, Multi-numbering Scheme	
Test purpose:	Unsuccessful voice band data via r	nodem transmission.
	Ensure that the network initiate cal "service or option not available, un	l clearing to the calling user with cause value # 63 specified" or # 57 "bearer capability not authorized".
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, modem type V.26, no LLC.	
PLMN parameter values:		
Comments:	The test is not applicable for ETS 3	00 102-1 [46] implementations.
	According ETS 300 102-1 [46] sub ISDN-BC may be present if octet 5 adaption V.110/X.30 or V.120 [54	oclause 4.5.5 NOTE 4 the octets 5a, 5b, 5c, 5d in the indicates either of the ITU-T standardized rate ].
	EDITORS NOTE 1: The PLMN So or the compatibility check fails. Th not defined	tandard covers the cases where the subscription check e cause value with which the call shall be rejected is

120218	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.	
	Anney M	ETS 300 557 [35] Annex H 1 6
	Annex M	10 500 557 [55], Ameri 1.0
TSS reference:	ISDN-PLMN/Basic call/Unsuccess	ful/3.1 kHz audio/TC120218
		,
ISDN selection criteria	Bearer service 3,1 kHz audio, voice band data via modem with modem type V.26	
PI MN selection	Audio Multi-numbering Scheme	
criteria:		
Test nurnose:	Unsuccessful voice hand data via modem transmission	
rest purpose.	Ensure that the network initiate call clearing to the calling user with cause value # 63	
	"service or option not available, un	specified" or # 57 "bearer capability not authorized".
ISDN parameter	BC=3.1 kHz audio. LLC=3.1 kHz au	udio, voice band data via modem, modem type V.26
values:	,,,,	,,,,,,
PLMN parameter		
values:		
Comments:	EDITORS NOTE 1: The PLMN Sta	ndard covers the cases where the subscription check
	or the compatibility check fails. The not defined	e cause value with which the call shall be rejected is

## Unsuccessful UDI

120301	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120301
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:		

120302	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120302
ISDN selection criteria:	Bearer service UDI	
PLMN selection crit <u>eria</u>		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value # 3 "no route to destination".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:		

120303	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120303
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

120304	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120304
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:		

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120305	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.1	
		ETS 300 599 $[41]$ subclause 18.2 subclause 18.3.2
	Annex M	E15 500 577 [41], subclause 10.2, subclause 10.5.2
		ETS 200 557 [25] subalance H 1 7
		E15 500 557 [55], subclause H.1.7
TSS reference:	ISDN-PLMN/Basic call/Linsuccess	ful/UDI/TC120305
135 reference.		
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR	
	(MAP Error #18) that the subscriber cannot be reached. The network initiates call	
	clearing to the calling user with cause value #20 "Subscriber absent".	
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:	NOTE: At the PLMN side cause value # 18 is "absent subscriber".	
	At the ISDN side cause value #	18 is "no user responding".
120306	ISDN ref. to:	PLMN ref. to:
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	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120306
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

120307	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1, Annex M	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120307
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value # 21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value # 21 "call rejected".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

120308	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.4, Annex M	ETS 300 557 [35], Annex H.1.1
		ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	sful/UDI/TC120308
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following:	
	# 1 "Unassigned (unallocated) num	nber", # 3 "No route to destination",
	# 22 "Number changed" or # 28 "I	nvalid number format (incomplete number").
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:		

		I
120309	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2.2	ETS 300 557 [35], AnnexB.3.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120309
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

120310	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] Appey M	
	LN 300 403-1 [1], Annex M	ETS 200 557 [25] Annoy H 1 5
		E15 500 557 [55], Annex 11.1.5
TSS reference:	ISDN-PI MN/Basic_call/LInsuccess	ful/LIDI/TC120310
Too reference.		
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi numbering Scheme	
criteria:		
Test purpose:	Ensure that when the calling user c	lears with cause value #16 "normal call clearing"
	before answer from called user, the	e network transport the cause value to the called user.
ISDN parameter	BC=UDI	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

120211	ICDN ref. to:	DI MNI ref. to.
120311	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 4.5.1 7	ETS 300 557 [35], subclause 5.2.2.3.1, B.4; Annex H.5.3
		ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120311	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the called user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC=facsimile group 4.	
ISDN parameter values:	BC = UDI, HLC=facsimile group 4, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = facsimile group 4	
Comments:	Support of teleservices is an end-to transparently by the GSM PLMN an addressed entity. The LLC/HLC rel	p-end aspect. The LLC/HLC-IE is transferred nd an ISDN between the call originating entity and the ated part of the compatibility is up to the terminal.
	EDITORS NOTE 2: In some network checking performed in the GMSC. calling user with cause value # 63 "bearer capability not authorized".	orks the HLC is the related part of the compatibility In this case the network initiates call clearing to the 'service or option not available, unspecified" or # 57

120312	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.1 7, subclause 4.5.19 ETS 300 080 [4], subclause 4.5.2.1, EG 201 018 [2], subclause 6.3.2	ETS 300 557 [35] Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120312
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, HLC=facsimile group 4 and LLC=telematic_term.	
ISDN parameter values:	BC = UDI, HLC=facsimile group 4, LLC=telematic_term	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN Sta or the compatibility check fails. The not defined.	ndard covers the cases where the subscription check e cause value with which the call shall be rejected is

100010		
120313	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.1	ETS 300 557 [35] Annex H
	7	ETS 300 604 [42], subclause 10.2.2
	EG 201 018 [2], subclause 7.1.3	,
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120313
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC = teletex basic and mixed mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic and mixed mode, LLC=telematic_term	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN Sta or the compatibility check fails. The not defined.	ndard covers the cases where the subscription check e cause value with which the call shall be rejected is

120314	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35] Annex H
	subclause 4.5.17	ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsucce	ssful/UDI/TC120314
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC = teletex basic and processable mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic and processable mode, LLC=telematic_term	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN S or the compatibility check fails. T not defined.	tandard covers the cases where the subscription check he cause value with which the call shall be rejected is

120315	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.17 EG 201 018 [2], subclause 7.1.3	ETS 300 557 [35], Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120315
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the $BC = UDI$ , $LLC =$ telematic_term and the HLC = teletex basic mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic mode, LLC = telematic_term	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN Sta or the compatibility check fails. The not defined.	ndard covers the cases where the subscription check cause value with which the call shall be rejected is

120216	ICDN rof to:	DI MNI rof. to:
120310	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 4.5.1	ETS 300 557 [35], Annex H
		ETS 300 604 [42], subclause 10.2.2
	ETS 300 080 [4], subclause 4.5.2.1	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120316
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with	
	cause value # 63 "service or option not authorized" when the calling us telematic_term and the HLC = inte	a not available, unspecified" or $\#$ 57 "bearer capability ser sends the SETUP containing the BC = UDI, LLC = rnational videotex interworking.
ISDN parameter values:	BC = UDI, HLC = international videotex interworking, LLC = telematic_term	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN Sta or the compatibility check fails. The not defined.	ndard covers the cases where the subscription check e cause value with which the call shall be rejected is

100017		
120317	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 5.2.2.3.1, Annex B.4;
	subclause 4.5.17	Н.5.3
		ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120317
ISDN selection	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC = telex.	
ISDN parameter values:	BC = UDI, HLC = telex, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = telex	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and th addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.	
	EDITORS NOTE 2: In some network checking performed in the GMSC. calling user with cause value # 63 "bearer capability not authorized".	orks the HLC is the related part of the compatibility In this case the network initiates call clearing to the "service or option not available, unspecified" or # 57

120318	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.17	ETS 300 557 [35], subclause 5.2.2.3.1, B.4; Annex H.5.3	
	ETS 300 080 [4], subclause 4.5.2.1	ETS 300 582 [40], Annex B2	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120318	
ISDN selection criteria:	Bearer service UDI	Bearer service UDI	
PLMN selection criteria:	UDI		
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC = message handling system.		
ISDN parameter values:	BC = UDI, HLC = message handling system, no LLC		
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = message handling system,		
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and th addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.		
	EDITORS NOTE 2: In some network checking performed in the GMSC. calling user with cause value # 63 "bearer capability not authorized".	orks the HLC is the related part of the compatibility In this case the network initiates call clearing to the "service or option not available, unspecified" or # 57	

120319	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.17	ETS 300 557 [35], subclause 5.2.2.3.1, Annex B.4, H.5.3
	ETS 300 080 [4], subclause 4.5.2.1	ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsucces	ssful/UDI/TC120319
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC = OSI application.	
ISDN parameter values:	BC = UDI, HLC = OSI application, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = OSI application	
Comments:	Support of teleservices is an end- transparently by the GSM PLMN addressed entity. The LLC/HLC r	-to-end aspect. The LLC/HLC-IE is transferred and an ISDN between the call originating entity and the elated part of the compatibility is up to the terminal.
	EDITORS NOTE 2: In some network checking performed in the GMSC calling user with cause value # 63 "bearer capability not authorized"	rorks the HLC is the related part of the compatibility c. In this case the network initiates call clearing to the 3 "service or option not available, unspecified" or # 57

120320	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.17	ETS 300 557 [35], subclause 5.2.2.3.1, Annex B.4, H.5.3
	ETS 300 267-1 [3], subclause 7	ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120320
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC=videotelephony_ic.	
ISDN parameter values:	BC = UDI, HLC=videotelephony_ic	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC=videotelephony_ic	
Comments:	Support of teleservices is an end-to transparently by the GSM PLMN ar addressed entity. The LLC/HLC rel	p-end aspect. The LLC/HLC-IE is transferred nd an ISDN between the call originating entity and the lated part of the compatibility is up to the terminal.
	EDITORS NOTE 2: In some network checking performed in the GMSC. calling user with cause value # 63 "bearer capability not authorized".	orks the HLC is the related part of the compatibility In this case the network initiates call clearing to the "service or option not available, unspecified" or # 57

120321	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5	ETS 300 557 [35], Annex H
		ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120321
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s, no LLC	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN Sta or the compatibility check fails. The not defined.	ndard covers the cases where the subscription check cause value with which the call shall be rejected is

120322	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.19 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120322
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI and the LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC = UDI, LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s	
PLMN parameter values:		
Comments:	EDITORS NOTE 1: The PLMN Sta or the compatibility check fails. The not defined.	ndard covers the cases where the subscription check cause value with which the call shall be rejected is

110323	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5	ETS 300 557 [35], Annex H
		ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC110323
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value # 63 "service or option not available, unspecified" or # 57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s, no LLC	
PLMN parameter values:		
Comments:		

120224	ICDN rof to:	DI MNI ref. to.
120324	ISDN ref. to:	PLIVIN ref. to:
	EN 200 402 1 [1] . 1.1 4.5 1	ETS 200 557 [25] Annu H
	EN 300 403-1 [1], subclause 4.5.1	E15 300 557 [35], Annex H
	9	ETS 200 (04 [42] Table (D 00 07 Canada astas 1
	ETTO 200 102 [5] A I	E15 500 004 [42], Table 0B-09.07 General holes 1
	E18 300 103 [5], Annex I	
	EIK 018, 7.1.1	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120324
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
	<b>–</b>	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not a	wailable unspecified" or # 57 "bearer capability pot
	value # 05" service of option not a	and the SETUD containing the $PC = UDI$ and the
	authorized when the carring user's	ends the SET OF containing the $BC = ODI$ and the
	LLC = V.110/X.30, asynchronous fr	lode, user rate 19,2 kbit/s.
ISDN parameter	BC = UDI. LLC=V.110/X.30. asvnc	hronous mode, user rate 19.2 kbit/s
values:	- ,	, ,
PLMN parameter		
values:		
-		
Comments:	EDITORS NOTE 1: The PLMN Sta	ndard covers the cases where the subscription check
	for the compatibility check fails. The	e cause value with which the call shall be rejected is
	not denned.	

100005		
120325	ISDN ref. to:	PLMN ref. to:
	EN 200 402 1 [1]	ETS 200 557 [25] Annoy II
	EN 500 405-1 [1],	E15 300 557 [55], Annex F
	subclause 4.5.5,	ETS 300 604 $[12]$ Table 6B-09 07 General notes 1
	subalance 4.5.10	E13 500 004 [42], 1 abic 0D-09.07 Ocheral notes 1
	Subclause 4.3.19	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	sful/UDI/TC120325
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not available, unspecified" or # 57 "bearer capability not	
	authorized" when the calling user	sends the SETUP containing the BC=UDI,
	V.110/X.30, synchronous mode, user rate 56 kbit/s.	
ISDN parameter	BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s, no LLC	
values:		
PLMN parameter		
values:		
Comments:	FDITORS NOTE 1: The PLMN Sta	andard covers the cases where the subscription check
o o milionice.	or the compatibility check fails. The	e cause value with which the call shall be rejected is
	not defined.	-

120326	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 4.5.17,	ETS 300 557 [35], Annex H
	subclause 4.5.19	
	EG 201 018 [2], subclause 7.1.3	ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120326
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not available, unspecified" or # 57 "bearer capability not	
	authorized" when the calling user sends the SETUP containing the BC = UDI,	
	LLC=telematic_term and the HLC=	= syntax-based videotex.
ISDN parameter	BC = UDI, HLC= syntax-based vide	eotex, LLC=telematic_term
values:		
PLMN parameter		
values:		
Comments:	EDITORS NOTE 1: The PLMN Sta	ndard covers the cases where the subscription check
	or the compatibility check fails. The	e cause value with which the call shall be rejected is
	not defined.	

120227	ISDN rof to:	DI MNI rof. to:
120327	ISDN rei. to:	PLWIN ref. to:
	EN 200 402 1 [1] subalausa 4 5 1	ETS 200 557 [25] Appay H
	EN 500 405-1 [1], subclause 4.5.1 $7$	E15 500 557 [55], Annex F
	7,	ETS 300 604 [42] 102 2 Table 6B-09 07
	subclause 4 5 19	
	subclause 4.5.17,	
	EG 201 018 [2], subclause 6.3.7	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120327
	<u> </u>	
ISDN selection	Bearer service UDI	
criteria:		
PI MN selection		
criterja:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not av	vailable, unspecified" or # 57 "bearer capability not
	authorized" when the calling user sends the SETUP containing the BC = UDI,	
	LLC=telematic_term and the HLC=	=FTAM.
ISDN parameter	BC = UDI HI C=FTAM LI C=telem	atic term
values:		
values.		
PLMN parameter		
values:		
_		
Comments:	EDITORS NOTE 1: The PLMN Sta	ndard covers the cases where the subscription check
	or the compatibility check fails. The	cause value with which the call shall be rejected is
	not defined.	

120328	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.1	ETS 300 557 [35], Annex H
	7,	
		ETS 300 604 [42], 102.2, Table 6B-09.07
	subclause 4.5.19	
	EC 201.019 [2]  subslaugs 6.2.9	
	EG 201 018 [2], subclause 0.5.8	
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120328
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value # 63 "service or option not available, unspecified" # 57 "bearer capability not	
	authorized" when the calling user s	sends the SETUP containing the
	RC – UDL LLC-talamatic tarm a	nd the HI C- Eurofile
	BC = 0DI, ELC=telematic_term at	nd the file- Eurome.
ISDN parameter	BC = UDI, HLC= Eurofile, LLC=telematic_term	
values:		
PLMN parameter		
values:		
		a dense and the second set the sub-second term at a start
Comments:	EDITORS NOTE 1: The PLMIN Sta	Indard covers the cases where the subscription check
	not defined.	

120329	<b>ISDN ref. to:</b> EN 300 403-1 [1], subclause 5.1,	PLMN ref. to:
	Annex M	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI/TC120329
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:	While in the alerting state, the calle	ed user sends a DISCONNECT (#17 "user busy").

## Unsuccessful

UDI-TA

120401	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.1.5.1	ETS 300 557 [35] Annex H,
		ETG 200 (04 [42] - 1-1 10 2 2
		E1S 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccess	ful/UDI-TA/TC120401
ISDN selection criteria:	Bearer service UDI/TA	
PLMN selection		
criteria:		
Test purpose:	Ensure that the network initiate call	clearing to the calling user with cause
	value # 63 "service or option not av	vailable or # 65 "bearer service not implemented".
ISDN parameter	BC=UDI/TA, no HLC	
values:		
PLMN parameter		
values:		
Comments:		

## 6.2.2 Test purposes for ISDN-PLMN Supplementary services

6.2.2.1 Bearer capability "speech"

## Supplementary\_services

Speech

210101	ICDN ref. to:	DI MNI ref. to:
210101		PLWIN ref. to:
	ETS 300 092-1 [6], subclause 9.3,	ETS 200 557 [25] whatever 10 5 4 0
	EN 300 403-1 [1],	E15 300 557 [35], subclause 10.5.4.9
	subclause 4.5.10,	
	subclause 4.5.11	ETS 300 565 [36]
T00		
155 reference:	ISDN-PLMN/Supplementary_servic	es/Speech/CLIP/TC210101
ISDN selection	CLIP	
criteria:		
PLMN selection	The called user is provided with CL	IP
criteria:	·	
Test purpose:	Ensure that when Calling party nun	nber is provided by the calling user. Type of number
	"subscriber number", with Calling p	arty subaddress, the Calling party number and Calling
	party subaddress information elements are correctly delivered to the called (served) us	
		· 、 ,
ISDN parameter	BC=speech,	
values:		
	Calling party number: PI=PA SI=UPVP, TON=subscriber number	
	Calling party subaddress	
	CSM BC apagab	
	GOM-BC=speecn,	
values:	Calling party number: PI-PA_SI-LIDVP_TON- national / international number	
	Canning party number. FI-FA, SI-OF VF, TOIN- national / international number	
	NPI- ISDN/Talenhony numbering plan (ITU T Rec. F 164 [25])	
	141 1– ISD14/ Telephony numbering	plan (110-1 Kee. E.104 [25] )
	Calling party subaddress	
	Curring party subadaress	
Comments:		

210102	ISDN ref. to:	PI MN ref to:
210102	ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	ETS 300 557 [35], 10.5.4.9 ETS 300 542 [57], subclause 1
		ETS 300 565 [36], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CLIP/TC210102
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "national number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=speech, Calling party number: PI=PA, SI=UPVP, TON= national number Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PA SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210103	ISDN ref. to:	PLMN ref. to:
	ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	ETS 300 557 [35], subclause 10.5.4.9 ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CLIP/TC210103
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "international number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=speech, Calling party number: PI=PA, SI=UPVP, TON=international number Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PA, SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210104	ISDN ref. to:	PLMN ref. to:
	ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	ETS 300 557 [35], subclause 10.5.4.9, 10.5.4.10 ETS 300 542 [57], subclause 1,
		ETS 300 565 [36], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CLIP/TC210104
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "unknown", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=speech, Calling party number: PI=PA SI=UPVP, TON=unknown Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210105	ISDN rof to:	DI MNI rof. to:
210105		
	ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1],	ETS 300 557 [35], subclause 10.5.4.9, 10.5.4.10
	subclause 4.5.10	ETS 300 565 [36], subclause 1
		ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CLIP/TC210105
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when no Calling party number information element is provided by the calling user, (and no Calling party subaddress), the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter values:	BC=speech	
PLMN parameter	er GSM-BC=speech, Calling party number: PI=PA, SI=NP, TON= national / international,	
values:		
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

210201	ISDN ref. to:	PLMN ref. to:	
	ETS 300 093-1 [7],		
	subclause 9.4.1:	ETS 300 557 [35], subclause 10.5.4.9,	
	ETS 300 092-1 [6] /A2 Fig2	subclause 10.5.4.10	
		ETS 300 565 [36], subclause 1	
		ETS 300 542 [57], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CLIR/TC210201	
ISDN selection criteria:	CLIR		
PLMN selection	The called user is provided with CLIP		
criteria:			
Test purpose:	The calling user is provided with CLIR permanent mode subscription.		
	Ensure that when the Calling party party subaddress, the Calling party user without any digit information.	number is provided by the calling user, with Calling number information element is delivered to the called The Calling party subaddress shall not be present	
ISDN parameter	BC=speech,	BC=speech,	
values:	Calling party number: PI=PA, TON=unknown, NPI=unknown		
	Calling party subaddress		
PLMN parameter	GSM-BC=speech,		
values:	Calling party number: PI=PR, TON	N=unknown, NPI=unknown, SI=NP	
Comments:			

210202	ISDN ref. to:	PLMN ref. to:	
	ETS 300 093-1 [7], subclause 9.4.1 ETS 300 092-1 [6] /A2 Fig2	ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10	
		ETS 300 565 [36], subclause 1,	
		E1S 300 542 [57], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_se	ervices/Speech/CLIR/TC210202	
ISDN selection criteria:	CLIR	CLIR	
PLMN selection criteria:	The called user is provided with	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user (and no Calling party subaddress), the Calling party number information element is network provided and delivered to the called user without any digit information.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech, Calling party	number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:			

210301	ISDN ref. to:	PLMN ref. to:
	ETS 300 097-1 [8],	ETS 200 557 [25] and sloves 10 5 4 14
	subclause 9.5.1	E1S 300 557 [35], subclause 10.5.4.14
		ETS 300 565 [36], subclause 3
		ETS 300 542 [57], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_serv	ces/Speech/COLP/TC210301
ISDN selection criteria:	The calling user is provided with C	COLP
PLMN selection criteria:	COLP	
Test purpose:	Ensure that when the Connected subaddress is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter	BC=speech;	
Connected number: SI=NP, PI=PA, TON= national/international number,		A, TON= national/international number,
	NPI=ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
	Connected subaddress	
PLMN parameter	BC=speech;	
values:	Connected subaddress	
Comments:		

210302	ISDN ref. to	PLMN ref. to:
	ETS 300 097-1 [8],	
	subclause 9.5.1	ETS 300 565 [36], subclause 3,
		ETS 300 542 [57], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/COLP/TC210302
ISDN selection criteria:	Calling user is provided with COLP	
PLMN selection criteria:	COLP	
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter	BC=speech;	
values:		
	Connected number: SI=NP, PI=PA, TON= National / international,	
	NPI= ISDN/Telephony numbering	plan (ITU-T Rec. E.164 [25] )
PLMN parameter values:	GSM-BC=speech	
Comments:		

210401	ISDN ref. to:	PLMN ref. to:
	FTS 300 098-1 [9]	
	subclause 9.3.1. subclause 9.4.1	ETS 300 565 [36], subclause 4,
	ETS 300 097-1 [8] /A2 Fig 4	
	• • • • • • • • [•],, _ • • · · · · · · · · · · · · · · · · ·	ETS 300 542 [57], subclause 4
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/COLR/TC210401
ISDN selection criteria:	The calling user is provided with C	OLP
PLMN selection criteria:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription	
	Ensure that when no Connected sub number information element is network without any digit information.	baddress is provided by the called user, the Connected work provided and delivered to the calling user
ISDN parameter	BC=speech,	
values:	Connected number: PI=PR, TON=unknown, NPI=unknown SI=NP	
PLMN parameter values:	GSNM-BC=speech;	
Comments:		

240504	ICDN ref. to:	DI MNI ref. to:
210501	ISDN ref. to:	PLIVIN ref. to:
	ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CUG/TC210501
ISDN selection criteria:	CUG supplementary options: <b>not C</b>	DA; not ocb; not Pref. CUG
PLMN selection	Calling user and called user belong	g to the <b>same</b> CUG;
ontena.	CUG supplementary options: IA; r	not ICB
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
ISDN parameter	BC=speech; Facility IE with cUGCa	all invoke component:
values:		OARequested set to TRUE
		CUG Index included
PLMN parameter values:	GSM-BC=speech; Facility (Invoke	=NotifySS (CUG-Index))
Comments:		

210502	ISDN ref. to:	PI MN ref. to:	
210302	TC 200 420 4 [10]		
	ETS 300 138-1 [10],	ETS 300 546 [33]	
	subclause 9.2.2,	E13 500 540 [55]	
	subclause 9.2.4	ETS 200 560 [20]	
		E13 500 509 [59]	
TSS reference:	ISDN-PLMN/Supplementar	y_services/Speech/CUG/TC210502	
ISDN selection	The calling user belongs to	a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to	the same CUG with the following CUG supplementary	
criteria:	options: IA; not ICB	5 H ,	
Test purpose:	Ensure that when the ca	alling user belongs to a CUG with outgoing access allowed,	
	not outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with a Facility IE containing a		
	cUGCall invoke component with OARequested set to TRUE, CUG Index included,		
	the called user receives a SETUP message. A Facility IE may be passed to the MS		
	which contains an CUG inc	lex associated with the invoked CUG.	
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component:		
values:			
		UARequested set to IRUE	
		CUG Index included	
PLMN parameter	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))		
values:			
Comments:			

210503	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4	ETS 200 560 [20]	
		E13 300 309 [39]	
TSS reference:	ISDN-PLMN/Supplementar	y_services/Speech/CUG/TC210503	
ISDN selection	The calling user belongs to	a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to	the same CUG with the following CUG supplementary	
criteria:	options: IA; ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included,		
	the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter	BC=speech; Facility IE with	cUGCall invoke component:	
values:		OARequested set to TRUE	
		CUG Index included	
PLMN parameter values:			
Comments:			

210504	ISDN rof to:	DI MNI rof. to:	
210304	ETS 300 138-1 [10] subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4	ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementary_serv	ices/Speech/CUG/TC210504	
ISDN selection criteria:	The calling user belongs to a CUC not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user belongs <b>to the sa</b> options: <b>IA; not ICB</b>	The called user belongs to the same CUG with the following CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index not included, the called user receives a SETUP message.		
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index <b>not</b> included		
PLMN parameter values:	GSM-BC=speech		
Comments:			

210505	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10] subclause 9.2.2	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CUG/TC210505
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user is <b>not a CUG subscriber</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "userNotMemberOfCUG"	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component:	
		OARequested set to TRUE CUG Index included
PLMN parameter values:		
Comments:		

210506	ISDN ref. to:	PI MN ref. to:
210000		
	E 15 300 136-1 [10],	ETS 300 546 [33]
	Subclause 9.2.5	L10 500 5 10 [55]
		ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/CUG/TC210506
ISDN selection criteria:	Calling user is <b>not member</b> of CUG	
PLMN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: <b>not IA;</b> <b>not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall invoke component the network initiate call clearing to the calling user with cause value # "87 user not a member of CUG".	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:		

210507	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10], subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementa	ry_services/Speech/CUG/TC210507	
ISDN selection criteria:	The calling user belongs to OA; not ocb; not Pref. Cl	The calling user belongs to a CUG with the following CUG supplementary options: <b>not OA; not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user is not men	The called user is not member of CUG.	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with a IE containing a cUGCall invoke component with OARequested set to TRUE, CUC included,		
	call establishment is no user with cause value # 29 "userNotMemberOfCUG"	call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "userNotMemberOfCUG".	
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component:		
values:	OARequested set to TRUE CUG Index included		
PLMN parameter values:			
Comments:			

210508	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementar	y_services/Speech/CUG/TC210508	
ISDN selection criteria:	The calling user belongs to not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user belongs to options: <b>not IA; ICB</b>	The called user belongs to <b>the same</b> CUG with the following CUG supplementary options: <b>not IA; ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter	BC=speech; Facility IE with	BC=speech; Facility IE with cUGCall invoke component:	
values:		OARequested set to TRUE CUG Index included	
PLMN parameter values:			
Comments:			

210509	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementar	ry_services/Speech/CUG/TC21059	
ISDN selection criteria:	The calling user belongs to not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user belongs to options: <b>not IA; ICB</b>	The called user belongs to <b>the same</b> CUG with the following CUG supplementary options: <b>not IA; ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter	BC=speech; Facility IE with	BC=speech; Facility IE with cUGCall invoke component:	
values:		OARequested set to FALSE CUG Index included	
PLMN parameter values:			
Comments:			

210510	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10],	
	subclause 9.2.2,	ETS 300 546 [33]
	subclause 9.2.4	ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementar	y_services/Speech/CUG/TC210510
ISDN selection	The calling user belongs to	a CUG with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to	the same CUG with the following CUG supplementary
criteria:	options: IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".	
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component:	
values.		OARequested set to FALSE
		CUG Index included
PLMN parameter values:		
Comments:		

210511	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10],	
	subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CUG/TC210511
ISDN selection criteria:	CUG supplementary options: not C	DA; not OCB; not Pref. CUG
PLMN selection	Calling user and called user belong	g to the <b>same</b> CUG;
criteria:	CUG supplementary options: not I	A; not ICB
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component:	
values:		$\Omega \Delta \mathbf{R}$ equested set to $\mathbf{F} \Delta \mathbf{I} \mathbf{S} \mathbf{F}$
		CUG Index included
PLMN parameter values:	GSM-BC=speech; Facility (Invoke	=NotifySS (CUG-Index))
Comments:		

210601	ISDN ref. to:	PLMN ref. to:
	ETS 300 061-1 [11] subclause 9.2	
	EN 300 403-1 [1], subclause 4.5.9	ETS 300 577 subclause 10.5.4.8
TSS reference:	ISDN-PLMN/Supplementary_servic	es/Speech/SUB/TC210601
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provide	d with SUB
Test purpose:	Ensure that when the Called party party subaddress is correctly delive	subaddress is provided by the calling user, the Called ered to the called (served) user.
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:		

210602	ISDN ref. to:	PLMN ref. to:
	ETS 300 061-1 [11] subclause 9.2	
	EN 300 403-1 [1], subclause 4.5.9	ETS 300 577 subclause 10.5.4.8
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/SUB/TC210602
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provide	d with SUB
Test purpose:	Ensure that when the Called party = minimum, the Called party subac without any digit information	subaddress is provided by the calling user with length ldress is correctly delivered to the called (served) user
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:		

040704				
210701	ISDN ref. to:	PLMN ref. to:		
	ETS 300 207-1 [15],			
	subclause 9.2.2. subclause 9.2.5	ETS 300 566 [37], subclause 1		
	,			
		ETS 300 543 [31], subclause 1		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU/TC210701			
ISDN selection	Call to a forwarding subscriber (CFU)			
criteria:				
PLMN selection	The user B is in network N2 provided with CFU ("calling user is notified of call diversion "= <b>Yes</b> ). (Note 2)			
criteria:				
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.			
	User A is notified of call diversion.			
	User C receives a SETUP message with the information that the incoming call is a			
	forwarded call.			
ISDN parameter	A: ! BC=speech;			
values:				
	C: ? BC=speech;			
PLMN parameter	CFU active			
values:				
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding			
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10			
	ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to			
	ETS 300 356-15).			
	The served mobile subscriber has not the ability to decide if the indication that the			
	incoming call is a forwarded call is	s released to the diverted-to user.		
	0			

040700			
210702	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2, subclause 9.2.5	E1S 300 566 [37], subclause 1	
		ETS 300 543 [31], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU/TC210702		
ISDN selection criteria:	Call to a forwarding subscriber (CFU)		
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = No). (Note 2)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is not notified of call di	version	
	User C receives a SETUP message with the information that the incoming call is a		
	forwarded call.		
ISDN parameter	A: ! BC=speech;		
values:	C: ? BC=speech;		
PLMN parameter	CFU active		
values:			
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1. ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according t ETS 300 356-15).		
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.		

		7		
210801	ISDN ref. to:	PLMN ref. to:		
	ETS 300 207-1 [15],			
	subclause 9.2.2,	ETS 300 566 [37], subclause 2		
	subclause 9.2.4.3,			
	subclause 9.2.5	ETS 300 543 [31], subclause 2		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210801			
ISDN selection	Call to a forwarding subscriber (CFB)			
criteria:				
PLMN selection	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of			
criteria:	call diversion" = $Yes$ ). (Note 2)			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.			
	-	,		
	User A is notified of call divers	sion.		
	User C receives a SETUP mess	sage with the information that the incoming call is a		
	forwarded call.			
ISDN parameter	A. I BC=sneech			
values:				
	C: ? BC=speech:			
	er v 2 e specen,			
PLMN parameter	CFB-UDUB active			
values:				
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding		
comments.	Supplementary services are not in line with the pr FTS 300 646-1 item 6.1.1.10			
	ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to			
	ETS 300 356-15)			
	The served mobile subscriber has not the ability to decide if the indication that the			
	incoming call is a forwarded call is released to the diverted to user			
	meening can is a forwarded can is released to the driverted-to user.			

210802	ISDN ref. to:	PI MN ref. to:		
210002	ETS 200 207 1 [15]			
	[E13 300 207 - 1 [13],	FTS 300 566 [37] subclause 2		
		E15 500 500 [57], subclause 2		
	Subclause 9.2.4.3,	FTS 300 543 [31] subclause 2		
	Subclause 9.2.5	115 500 545 [51], subchause 2		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210802			
ISDN selection criteria:	Call to a forwarding subscriber (CFB)			
PLMN selection	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of			
criteria:	call diversion" <b>= No</b> ). (Note 2)			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.			
	User A is not notified of call di	vanion		
	User A is not notified of call u	version		
	User C receives a SETUP message with the information that the incoming call is a			
	forwarded call.			
ISDN parameter	A: ! BC=speech;			
values:				
	<b>C:</b> ? BC=speech;			
PLMN parameter	CFB-UDUB active			
values:				
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding		
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).			
	The served mobile subscriber has not the ability to decide if the indication that the			
	incoming call is a forwarded call is released to the diverted to user			
	incoming can is a forwarded can is released to the diverted-to user.			

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210803	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210803		
ISDN selection	Call to a forwarding subscriber (CFB)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CEB-NDUB ("calling user is notified of		
criteria:	call diversion" – <b>Yes:</b> "notification to forwarding subscriber" – <b>Yes</b> ) (Note 2)		
	call diversion = res, notification to forwarding subscriber = res). (Note 2)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
		· · · ·	
	User <b>A</b> is notified of call divers	sion.	
	User <b>B</b> is notified of call divers	sion.	
	User C receives a SETUP mes	sage with the information that the incoming call is a	
	forwarded call	suge with the information that the meeting can is a	
	for warded can.		
ISDN parameter	A. IBC-speech		
values			
values.	C. ? BC-speech		
	C. : BC-speech,		
PL MN parameter			
values.			
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding		
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10		
	ETS 300 646-1, Item 6.1.1.10 (INS)	c acts like a diverting exchange according to	
	E 15 300 356-15).		
	TT1		
	The served model subscriber has not the ability to decide if the indication that the		
	incoming call is a forwarded call is released to the diverted-to user.		
210904		DI MAL and Co.	
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210804	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFB/TC210804	
ISDN selection	Call to a forwarding subscriber (CF	·B)	
criteria:	<b>5</b>	,	
PI MN selection	The user B is in network N2 and is	provided with CEB-NDUB ("calling user is notified of	
critoria:	call diversion" - No: "notification to	forwarding subscriber" - No) (Note 2)	
cillelia.			
Test nurnose:	Ensure that when user A calls busy	vuser B, the call is forwarded to user C	
lest purpose.			
	User A is not notified of call di	Transian	
	User A is not notified of call u	version.	
	User <b>B</b> is not notified of call diversion.		
	User C receives a SETUP message with the information that the incoming call is a		
	forwarded call.		
ISDN parameter	A: ! BC=speech;		
values:			
	$\mathbf{C} \cdot \mathbf{P} \mathbf{B} \mathbf{C} = \mathbf{speech}$		
	c De-specen,		
PI MN parameter	CEB-NDLIB active		
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding	
	Supplementary_services are not in	line with the pr ETS 300 646-1, item 6.1.1.10 (MSC	
	acts like a diverting exchange according to ETS 300 356-15)		
	The served mobile subscriber has r	not the ability to decide if the indication that the	
	incoming call is a forwarded call is	s released to the diverted-to user.	

210001	ICDN rof to:	DI MAI and the
210901	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	
	2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFNRy/TC210901
ISDN selection	Call to a forwarding subscriber (CF	·NRv)
criteria:		,,,
PI MN selection	The user B is in network N2 and is	provided with CENRy ("calling user is notified of call
critoria:	diversion" - Yes "notification to fo	rwarding subscriber" - Yes) (Note 2)
cinteria.		
Test nurnose;	Ensure that when user A calls use	r B if unanswered, the call is forwarded to user C.
	User <b>A</b> is notified of call divers	sion
		10II.
	User <b>R</b> is notified of call divers	ion
	User <b>C</b> receives a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter	A: ! BC=speech;	
values:		
	<b>C:</b> ? BC=speech;	
PLMN parameter	CFNRy active	
values:		
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding
	Supplementary_services are not in	line with the pr ETS 300 646-1, item 6.1.1.10 (MSC
	acts like a diverting exchange according to FTS 300 356-15).	
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted to user	
		released to the diverted to user.
PLMN parameter values:	CFNRy active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding	
Commenta.	Supplementary services are not in	line with the pr FTS 300 646-1 item 6 1 1 10 (MSC
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).	
		,
	The served mobile subscriber has not the ability to decide if the indication that the	
	incoming call is a forwarded call is	s released to the diverted-to user.
	-	

240002		
210902	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary	/_services/Speech/CFNRy/TC210902
ISDN selection	Call to a forwarding subscrit	per (CFNRy)
criteria:	-	
PLMN selection	The user B is in network N2	and is provided with CFNRv ("calling user is notified of call
criteria:	diversion" = No "notification	to forwarding subscriber" = $No$ ). (Note 2)
Test purpose:	Ensure that when user A ca	lls user B, if unanswered, the call is forwarded to user C.
	User <b>A</b> is not notified of	call diversion
	Usel A is not notified of	call diversion.
	User <b>R</b> is not notified of	call diversion
	User C receives a SETUP message with the information that the incoming call is a	
	forwarded call.	
ISDN parameter		
ISDN parameter		
values:	C. 2 DC-spassh	
	C: : BC=speech,	
PI MN parameter	CENRy active	
	CITARY active	
		0
Comments:	EDITORS NOTE 2: Stage 1	, 2 and 3 descriptions of the call forwarding
	Supplementary_services are	
	acts like a diverting exchange according to ETS 300 356-15)	
	<b>T</b>	the sector of the sector in the test of the sector sector sector sector
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

211001	ISDN ref. to:	PI MN ref. to:
211001	<b>ETO</b> 000 007 4 [15] substance 0	FLWIN TEL. CO.
	E IS 300 207-1 [15], subclause 9.	ETS 200.566 [27] =
	2.2,	E15 500 500 [37], subclause 5
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFNRc/TC211001
ISDN selection	Call to a forwarding subscriber (CF	NRc)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user	B. <b>if detached</b> , the call is forwarded to user C.
		_,
	User <b>A</b> is notified of call diversion. User <b>C</b> receives a SETUP message with the information that the incoming call is a forwarded call	
	ioiwaided call.	
ISDN parameter	A: ! BC=speech:	
values:		
	C: ? BC=speech:	
	,	
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding	
	Supplementary services are not in	line with the pr ETS 300 646-1, item 6.1.1.10 (MSC
	acts like a diverting exchange acco	ordina to ETS 300 356-15). The served mobile
subscriber has not the ability to decide if the indication that the incoming		cide if the indication that the incoming call is a
	forwarded call is released to the di	verted-to user.

211002	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4.	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/CFNRc/TC211002
ISDN selection	Call to a forwarding subscriber (Cf	FNRc)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = No). (Note 2)	
Test purpose:	Ensure that when user A calls use	r B, if detached the call is forwarded to
	_	
	user C.	
	User <b>A</b> is not notified of call diversion. User <b>C</b> receives a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter	A: ! BC=speech;	
values:		
	C: ? BC=speech;	
	-	
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding	
	Supplementary_services are not in	n line with the pr ETS 300 646-1, item 6.1.1.10 (MSC
	acts like a diverting exchange according to ETS 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

211101	ISDN ref. to:	PLMN ref. to:	
	ETS 300 1/1-1 [18] subclause 7		
	ETC 300 141-1 [10], Subclause 7	ETS 300 567 [38] subclause 2	
	E15 300 196-1, Subclause 7.1	L15 500 507 [50], subclause 2	
		ETS 200.544 [22] = cub clause 2	
		E15 500 544 [52], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/HOLD/TC211101	
ISDN selection	Call Hold	Call Hold	
criteria:			
PLMN selection	Call Hold		
criteria:			
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call		
	hold and the call can be retrieved		
ISDN parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:			

211102	ISDN ref. to:	PLMN ref. to:	
	ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	ETS 300 567 [38] subclause 2	
		ETS 300 544 [32] subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/HOLD/TC211102	
ISDN selection criteria:	Call Hold	Call Hold	
PLMN selection criteria:	Call Hold		
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

211103	ISDN ref. to:	PLMN ref. to:
	ETS 300 141-1 [18], subclause 7	
	ETS 300 196-1 subclause 7.1	ETS 300 567 [38] subclause 2
		ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/HOLD/TC211103
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call	
	hold and that the call can be released from the called non -served user during the held	
	state.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

211104	ISDN ref. to:	PLMN ref. to:
	ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	ETS 300 567 [38] subclause 2
		ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servic	es/Speech/HOLD/TC211104
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211105	ISDN ref. to:	PLMN ref. to:
ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	ETS 300 567 [38] subclause 2	
		ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/HOLD/TC211105
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211106	ISDN ref. to:	PLMN ref. to:
	ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	ETS 300 567 [38] subclause 2 ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/HOLD/TC211106
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non –served user during the held state.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

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211201	ISDN ref. to:	PLMN ref. to:
	ETS 300 058-1 [19], subclause 7	
	EN 200.402.1[1] subslaues $4E2$	ETS 300 567 [38] subclause 1
	EN 300 403-1 [1], subclause 4.5.2	
	.1	ETS 200 $544$ [22] substance 1
		E15 500 544 [52] subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CW/TC211201
ISDN selection	CW	
criteria:		
PLMN selection	The called user is provided with CW	
criteria:		
Test purpose:	Ensure that the called user (MS) responds with CALL-CONFIRMED and ALERTING	
	(where the call is a waiting call), the calling user receives ALERTING message containing a Notification indicator information element coded as "call is a waiting call".	
	5	5
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

211202	ISDN ref. to:	PLMN ref. to:
	ETS 300 058-1 [19], subclause 7 EN 300 403-1 [1], subclause 4.5.2 .1	ETS 300 567 [38] subclause 1 ETS 300 544 [32] subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CW/TC211202
ISDN selection criteria:	CW	
PLMN selection criteria:	The called user is provided with CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211301	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.1,	ETS 300 557 [35], subclause 10.5.4.25,
	subclause 9.1.2.1	
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/UUS1/TC211301
ISDN selection criteria:	The calling (served) user is provide	ed with UUS1 implicit request
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
ISDN parameter values:	BC=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

211302	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.1	ETS 300 557 [35], subclause 10.5.4.25
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_servic	es/Speech/UUS1/TC211302
ISDN selection criteria:	The calling (served) user is provide	d with UUS1 implicit request
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that after implicit activation information element included in the calling user.	of UUS1, the network can transport a User-user ALERTING message sent from the called user to the
ISDN parameter	BC=speech, UI length=32	
values:		
PLMN parameter	GSM-BC=speech, UI length=32	
values		
Comments:		

211303	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13], subclause	
	9.1.2.1	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211303	
ISDN selection criteria:	The calling (served) user is provide	ed with UUS1 implicit request
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that after implicit activation information element included in the calling user	of UUS1, the network can transport a User-user CONNECT message sent from the called user to the
ISDN Parameter	BC=speech, UI length=32	
values:		
PLMN parameter	GSM-BC=speech, UI length=32	
values:		
Comments:		

211304	PLMN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.2.2.1a	ETS 300 557 [35], subclause 10.5.4.25,	
	EN 300 403-1 [1],		
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/UUS1/TC211304	
ISDN selection criteria:	The calling (served) user is provide	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria:	UUS1i		
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.		
ISDN parameter values:	BC=speech, UI length=32		
PLMN parameter values	GSM-BC=speech, UI length=32		
Comments:			

-			
211305	PLMN ref. to ETS 300 286-1 [13] subclause 9.1.2.2.1b EN 300 403-1 [1]	PLMN ref. to: ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	ISDN-PLMN/Supplementary	_services/Speech/UUS1/TC211305	
ISDN selection criteria:	The calling (served) user is	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria	UUS1i		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user		
ISDN parameter values:	BC=speech, UI length=32		
PLMN parameter values	GSM-BC=speech, UI length	=32	
Comments:			

211306	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211306	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria:	UUS1i	
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that UUI can be discarded b	by the network without disrupting normal call handling
ISDN Parameter values:	BC=speech, UI length=32	
PLMN parameter	GSM-BC=speech	
Comments:		

211401	ISDN ref. to: ETS 300 207-1 [15]	PLMN ref. to:
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		FTS 300 543 [31] subclause 1
700 (		
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFU_CLI_COL/TC211401
ISDN selection criteria:	The user A and the user C are in n provided with CLIP.	etwork N1. User A is provided with COLP, user C is
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion "= <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers allowed accordance with the COLF User <b>C</b> can receive the <i>Redirec</i>	sion and the presentation of the diverted-to number is R supplementary service of the diverted-to user. <i>ting number</i> IE giving the reason for call diversion
	with the presentation indicator set	to "presentation allowed".
ISDN parameter	A: ! BC=speech;	
values:	C:? BC=speech;	
PLMN parameter values:	CFU active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message. User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".	
EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the Supplementary_services are not in line with the pr ETS 3 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting ETS 300 356-15).		1 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 C acts like a diverting exchange according to
	The served mobile subscriber has r incoming call is a forwarded call is	not the ability to decide if the indication that the released to the diverted-to user.
	The setting of the <u>redirecting magnetize</u> signalling of GSM operators has to	umber to the forwarded-to subscriber in the ISUP be considered as an implementation option.

211402	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	ETS 300 566 [37], subclause 1
	subclause 9.2.2, subclause 9.2.5	
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CFU_CLI_COL/TC211402
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> ).(Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call diversion and the presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	User C can receive the <i>Redirec</i> with the presentation indicator set	<i>ting number</i> IE giving the reason for call diversion to "presentation allowed".
ISDN parameter	A: ! BC=speech;	
values:	C: ? BC=speech;	
PLMN parameter values:	CFU active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.	
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.	
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed"	
	EDITORS NOTE 2: Stage 1, 2 and Supplementary_services are not in ETS 300 646-1, item 6.1.1.10 (MS ETS 300 356-15).	d 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 C acts like a diverting exchange according to
	The served mobile subscriber has a incoming call is a forwarded call is	not the ability to decide if the indication that the s released to the diverted-to user.
	The setting of the <u>redirectin</u> signalling of GSM operators has to	ng number to the forwarded-to subscriber in the ISUP be considered as an implementation option.

211403	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1	
		ETS 300 543 [31], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CFU_CLI_COL/TC211403	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.		
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" <b>= No</b> ) and <b>CLIR</b> . (Note 2)		
Test purpose:	Ensure that when user A calls user	<sup>r</sup> B, the call is forwarded to user C.	
	User A is not notified of call di	version and not informed of the diverted-to number.	
	User C can receive the <i>Redirec</i>	ting number IE giving the reason for call diversion	
	with the presentation indicator set	to "presentation allowed".	
ISDN parameter	A: ! BC=speech; C: ? BC=speech;		
values:			
PLMN parameter	CFU active		
values:	The <b>Dediraction number IF</b> shall not be included in the ALEDTING CONNECT		
Comments:	The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.		
User C can receive a SETUP message containing one <i>Redirecting num</i> the reason for call diversion with the presentation indicator set to "presentarestricted".		nessage containing one <i>Redirecting number</i> IE giving ne presentation indicator set to "presentation	
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).		
	The served mobile subscriber has r incoming call is a forwarded call is	not the ability to decide if the indication that the released to the diverted-to user.	
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUF signalling of GSM operators has to be considered as an implementation option.		

211501	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15]		
	subclause 9.2.2.	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3.		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/ CFB_CLI_COL/TC211501	
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with COLP, user C is	
criteria:	provided with CLIP.		
PLMN selection	The user B is in network N2 and is	provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion" = <b>Yes</b> ). (Note 2)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user.		
	User C can receive the <i>Redirec</i>	ting number IE giving the reason for call diversion	
	with the presentation indicator set	to "presentation allowed".	
ISDN parameter	A: ! BC=speech;		
values:	C: ? BC=speech;		
DI MNI parameter			
values:	CFD-ODOB active		
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.		
The presentation of the diverted-to number is allowed accordance supplementary service of the diverted-to user. The <b>Redirection numb</b> presentation indicator can be contained in the ALERTING, CONNEC INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, or PROGRESS (state N04) message.		d-to number is allowed accordance with the COLR ted-to user. The <b>Redirection number IE</b> with the ined in the ALERTING, CONNECT, NOTIFY, state N03), CONNECT, NOTIFY, INFORMATION ge.	
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed"		
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15)		
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.		
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

211502	ISDN ref. to:	PI MN ref. to:
211002	ETS 300 207-1 [15].	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CFB_CLI_COL/TC211502
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> ).(Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers <b>not</b> allowed accordance with the C	tion and the presentation of the diverted-to number is OLR supplementary service of the diverted-to user.
	User C can receive the <i>Redirec</i> with the presentation indicator set	<i>ting number</i> IE giving the reason for call diversion to "presentation allowed".
ISDN parameter	A: ! BC=speech;	
values:	C: ? BC=speech;	
PLMN parameter values:	CFB-UDUB active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.	
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed"	
	EDITORS NOTE 2: Stage 1, 2 and Supplementary_services are not in ETS 300 646-1, item 6.1.1.10 (MS ETS 300 356-15).	1 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 C acts like a diverting exchange according to
	The served mobile subscriber has r incoming call is a forwarded call is	not the ability to decide if the indication that the released to the diverted-to user.
	The setting of the <u>redirecting mains</u> signalling of GSM operators has to	umber to the forwarded-to subscriber in the ISUP be considered as an implementation option.

044500		
211503	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 2
	subclause 9.2.4.3.	
	subclause 9.2.5	ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFB_CLI_COL/TC211503
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with COLP, user C is
criteria:	provided with CLIP.	•
PLMN selection	The user B is in network N2 and is	provided with CFB-UDUB ("calling user is notified of
criteria:	call diversion" = $No$ ) and CLIR (No	nte 2)
on to har		5.5 2)
Test nurnose:	Ensure that when user A calls busy	vuser B the call is forwarded to user C
rest purpose.		
	User A is not notified of call di	version and not informed of the diverted to number
	User A is not notified of can a	version and not informed of the diverted to number.
	User C can receive the <b>Radira</b>	ting number IF giving the reason for call diversion
	User C can receive the <b>Kean ech</b>	
	with the presentation indicator set t	to presentation allowed.
1000		
ISDN parameter	A: ! BC=speech;	
values:		
	C: ? BC=speech;	
PLMN parameter	CFB-UDUB active	
values:		
Comments:	The <b>Redirection number IE</b> shall r	not be included in the ALERTING, CONNECT.
	NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state	
	N04) message.	
	ite i) meeeuge.	
	User C can receive a SETUP m	pessage containing one <b>Redirecting number</b> IF giving
	the messon for cell diversion with the	a presentation indicator set to "presentation
	the reason for call diversion with th	he presentation indicator set to presentation
	restricted".	
	EDITORS NOTE 2: Stage 1, 2 and	1 3 descriptions of the call forwarding
	Supplementary services are not in	line with the pr ETS 300 646-1, item 6.1.1.10 (MSC
	acts like a diverting exchange acco	ording to ETS 300 356-15)
	uets fille a diverting chemange acco	raing to E15 500 550 15).
	The served mobile subscriber has r	not the ability to decide if the indication that the
	The served mobile subscriber has not the ability to decide if the indication that the	
	incoming can is a forwarded call is	released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP	
	signalling of GSM operators has to	be considered as an implementation option.

211504	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	ETE 200 5 ( [27]
	subclause 9.2.2,	E15 500 500 [37], subciause 2
	subclause 9.2.5	ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFB_CLI_COL/TC211504
ISDN selection criteria:	The user A and the user C are in n provided with CLIP.	etwork N1. User A is provided with COLP, user C is
PLMN selection criteria:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" = <b>Yes;</b> "notification to forwarding subscriber" <b>= Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user.	
	User <b>B</b> is notified of call divers	ion.
	User <b>C</b> can receive the <i>Redirec</i> with the presentation indicator set t	<i>cting number</i> IE giving the reason for call diversion to "presentation allowed".
ISDN parameter	A: ! BC=speech;	
values:	C: ? BC=speech;	
PLMN parameter values:	CFB-NDUB active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message. User <b>C can receive</b> a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User <b>B</b> is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification ]) message of call diversion.	
EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the cal Supplementary_services are not in line with the pr ETS 300 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting ex ETS 300 356-15).		1 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 C acts like a diverting exchange according to
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

211505	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFB_CLI_COL/TC211505
ISDN selection	The user A and the user C are in n	etwork N1 User A is provided with CUR and COLP
criteria:	user C is provided with COLR and	CLIP.
PLMN selection criteria:	The user B is in network N2 provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> , "notification to forwarding subscriber" = <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers allowed accordance with the COLF	sion the presentation of the diverted-to number is <b>not</b> R supplementary service of the diverted-to user.
	User C can receive the <i>Redirec</i> , with the presentation indicator set	<i>ting number</i> IE giving the reason for call diversion to "presentation allowed".
	User <b>B</b> is notified of call divers	ion.
ISDN parameter	A: ! BC=speech;	
values.	C: ? BC=speech;	
PLMN parameter values:	CFB-NDUB active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.	
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	<ul> <li>The Redirection number IE with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.</li> <li>User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User B is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification ]) message of call diversion.</li> <li>EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).</li> <li>The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.</li> </ul>	

211506	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15].	
	subclause 9.2.2,	ETS 300 566 [37], subclause 2
	subclause 9.2.4.3,	
	subclause 9.2.5	ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFB_CLI_COL/TC211506
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" <b>= No</b> ;"notification to forwarding subscriber" <b>= No</b> ) and <b>CLIR</b> . (Note 2)	
Test purpose:	Ensure that when user A calls busy	vuser B, the call is forwarded to user C.
	User A is not notified of call di	version and not informed of the diverted-to number.
	User <b>C</b> can receive the <i>Redired</i>	cting number IE with the presentation indicator set to
	User <b>B</b> is not notified of call di	version.
ISDN parameter	A: ! BC=speech;	
values:		
	<b>C:</b> ? BC=speech;	
PLMN parameter values:	CFB-NDUB active	
Comments:	The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.	
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE givin the reason for call diversion with the presentation indicator set to "presentation restricted".	
	EDITORS NOTE 2: Stage 1, 2 and Supplementary_services are not in acts like a diverting exchange acco	1 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 (MSC rding to ETS 300 356-15)
	The served mobile subscriber has r incoming call is a forwarded call is	not the ability to decide if the indication that the released to the diverted-to user.
	The setting of the <u>redirecting main signalling</u> of GSM operators has to	umber to the forwarded-to subscriber in the ISUP be considered as an implementation option.

211601	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 9.2.2	ETS 200 566 [27] subalance 2
	, subclause 9.2.4.4.	E13 500 500 [57], subclause 5
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CFNRy_CLI_COL/TC211601
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with COLP, user C is
criteria:	provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = <b>Yes</b> , "notification to forwarding subscriber" = <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers allowed accordance with the COLF	ion. The presentation of the diverted-to number is R supplementary service of the diverted-to user.
	User <b>C</b> can receive the <i>Redirec</i> with the presentation indicator set t	cting number IE giving the reason for call diversion to "presentation allowed".
	User <b>B</b> is notified of call divers	ion.
ISDN parameter values:	A: ! BC=speech;	
	C: : BC=speech,	
PLMN parameter values:	CFNRy active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message. User <b>C can receive</b> a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User <b>B</b> is notified with a NOTIFY (Invoke = NotifySS [CFNRy, SS-Notification ]) message of call diversion.	
	EDITORS NOTE 2: Stage 1, 2 and Supplementary_services are not in acts like a diverting exchange acco The served mobile subscriber has r incoming call is a forwarded call is The setting of the <u>redirecting m</u> signalling of GSM operators has to	A 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 (MSC rding to ETS 300 356-15). not the ability to decide if the indication that the released to the diverted-to user. <u>umber</u> to the forwarded-to subscriber in the ISUP be considered as an implementation option.

211602	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	L ces/Speech/CFNRy_CLI_COL/TC211602
ISDN selection criteria:	The user A and the user C are in n user C is provided with COLR and	etwork N1. User A is provided with CLIR and COLP, CLIP.
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion" = <b>Yes</b> , "notification to forwarding subscriber" = <b>Yes</b> ).(Note 2)	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.
	User <b>A</b> is notified of call diversion. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	User C <b>can receive</b> the <i>Redirec</i> with the presentation indicator set	<i>ting number</i> IE giving the reason for call diversion to "presentation allowed".
	User <b>B</b> is notified of call divers	ion.
ISDN parameter	A: ! BC=speech;	
values:	C: ? BC=speech;	
PLMN parameter values:	CFNRy active	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.	
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.	
	User C <b>can receive</b> a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".	
	User <b>B</b> is notified with a FACILITY (Invoke = NotifySS [CFNRy, SS-Notification ]) message of call diversion.	
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).	
	The served mobile subscriber has r incoming call is a forwarded call is	not the ability to decide if the indication that the released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

011600		
211003	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4.	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFNRy_CLI_COL/TC211603
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with COLP. user C is
criteria:	provided with CLIP.	······································
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call
criteria:	diversion" = <b>No</b> "notification to forwarding subscriber" = <b>No</b> ) and <b>CLIR</b> . (Note 2)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call di	version and not informed of the diverted-to number.
	User C can receive the <i>Redired</i>	cting number IE giving the reason for call diversion
,	with the presentation indicator set t	o "presentation allowed"
	with the presentation indicator set (	o presentation anowed .
	User <b>B</b> is not notified of call div	version.
ISDN parameter	A: ! BC=speech;	
values:		
	C: ? BC=speech;	
PLMN parameter	CFNRy active	
values:	,	
Comments:	User A is not notified of call diversi	on and not informed of the diverted to number. The
comments.	Redirection number IE shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".	
1		
1		
	User <b>B</b> is not notified of call diversion.	
	EDITODS NOTE 2. Store 1 2 and	2 descriptions of the call forwarding
	EDITORS NOTE 2. Stage 1, 2 and	1 is descriptions of the can follow arding
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MS acts like a diverting exchange according to ETS 300 356-15)	
,	The served mobile subscriber has n	not the ability to decide if the indication that the
:	incoming call is a forwarded call is released to the diverted-to user.	
1	signalling of GSM operators has to	be considered as an implementation option.

211701	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	ETS 200 566 [27] autolause 2
	2.2, subclause 9.2.4.4	E15 300 500 [57], subclause 5
	subclause 9.2.4.4, subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/SpeechCFNRc_CLI_COL/TC211701
ISDN selection criteria:	The user A and the user C are in n provided with CLIP.	etwork N1. User A is provided with COLP, user C is
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user	B, if detached, the call is forwarded to user C.
	User <b>A</b> is notified of call divers allowed accordance with the COLF	ion. The presentation of the diverted-to number is R supplementary service of the diverted-to user.
	User <b>C</b> can receive the <i>Redirec</i> with the presentation indicator set t	<i>ting number</i> IE giving the reason for call diversion to "presentation allowed".
ISDN parameter	A: ! BC=speech;	
values:	C: ? BC=speech;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message.	
	User <b>C can receive</b> a SETUP n the reason for call diversion with th	nessage containing one <i>Redirecting number</i> IE giving ne presentation indicator set to "presentation allowed".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	
	signalling of GSM operators has to	be considered as an implementation option.

211702	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servio	ces/Speech/CFNRc_CLI_COL/TC211702
ISDN selection criteria:	The user A and the user C are in n provided with COLR and CLIP.	etwork N1. User A is provided with COLP, user C is
PLMN selection criteria:	The user B is in network N2 provid diversion" = <b>Yes</b> ).(Note 2)	ed with CFNRc ("calling user is notified of call
Test purpose:	Ensure that when user A calls user	r B, if detached, the call is forwarded to
	user C.	
	User <b>A</b> is notified of call divers allowed accordance with the COLI	sion. The presentation of the diverted-to number is <b>not</b> R supplementary service of the diverted-to user.
	User C <b>can receive</b> the <i>Redirec</i> with the presentation indicator set	<i>cting number</i> IE giving the reason for call diversion to "presentation allowed".
ISDN parameter	A: ! BC=speech;	
values:	C: ? BC=speech;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	<ul> <li>User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.</li> <li>The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.</li> <li>The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.</li> <li>User C can receive a SETUP message containing one <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed"</li> </ul>	
EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according ETS 300 356-15).		1 3 descriptions of the call forwarding line with the pr ETS 300 646-1, item 6.1.1.10 C acts like a diverting exchange according to
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

211703	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 3	
	subclause 9.2.4.4,		
	subclause 9.2.5	ETS 300 543 [31], subclause 3	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CFNRc_CLI_COL/TC211703	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.		
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" <b>= No</b> ) and <b>CLIR</b> .(Note 2)		
Test purpose:	Ensure that when user A calls user	B, if detached the call is forwarded to	
	user C.		
	User A is not notified of call di	version and not informed of the diverted-to number.	
	User C can receive the <i>Redire</i>	cting number IE giving the reason for call diversion	
	with the presentation indicator set	to "presentation restricted".	
ISDN parameter	A: ! BC=speech;		
values:	C: ? BC=speech;		
PLMN parameter values:	CFNRc active, the user is detached		
Comments:	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.		
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".		
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

011001		
211801	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
		ETC 200 519 [20]
		E15 500 518 [50]
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CUG_CFU/TC211801
	0110	
ISDN selection	CUG	
criteria:		
PI MN selection		
I LIMIN Selection	000, 010	
criteria:		
Test purpose:	ISDN user A, ISDN user C and PLMN user B belong to the same CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is successful.	
ISDN parameter	BC=speech	
	D O - op o o o i	
values:		
PLMN parameter	GSM-BC=speech	
values:	·	
Comments:	On PLMN side CUG SS according to the Stage 1 description	

211802	ISDN ref. to:	PI MN ref. to:
211002		
	ETS 300 138-1 [10]	ETE 200 519 [20]
		E1S 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CUG_CFU/TC211802
ISDN selection	CUG	
criteria:		
PLMN selection	CUG. CFU	
criteria:		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. ISDN user C does not belong to the CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according	to the Stage 1 description.

211803	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
		ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/CUG_CFU/TC211803
ISDN selection	CUG	
criteria:		
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally B has the CUG parameter OA = "allowed" and an active call forwarding to ISDN user C. C is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according	to the Stage 1 description.

044004		
211804	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
		FTS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CUG_CFU/TC211804
ISDN selection	CUG	
criteria:		
PLMN selection	CUG. CFU	
critoria:	,	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C, which is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	On PLMN side CUG SS according	to the Stage 1 description.

211805	ISDN ref. to: ETS 300 138-1 [10]	PLMN ref. to: ETS 300 518 [30]	
TSS reference:	ISDN-PLMN/Supplementary_s	ervices/Speech/CUG_CFU/TC211805	
ISDN selection criteria:	CUG	CUG	
PLMN selection criteria:	CUG, CFU		
Test purpose:	ISDN user A, PLMN user B and ISDN user C belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C. Ensure that a call establishment is successful but the OA indicator is not provided to C.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:	On PLMN side CUG SS accord	ling to the Stage 1 description.	

211901	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		ETS 300 515 [29]
		[]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211901	
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes.	
	ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure	
	that user B will be informed about the waiting call (CW) and that the Waiting call is	
	released at the terminating exchange	ge after timer expired.
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

211002	ISDN rof to:	DI MNI rof. to:	
211902			
	EN 300 403-1 [1]		
		ETS 300 515 [29]	
TSS reference:	ISDN-PLMN/Supplementary_servi	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211902	
ISDN selection			
criteria:			
PLMN selection	CW. CFB	CW CEB	
criteria:	- , -		
Test nurnose:	PLMN user B is provided with CW and an active CEB to ISDN user C. Additionally user B		
lest pulpose.	has all diversion patientian and the CFB to ISDN user C. Additionally user B		
	ISDN year A has an active company	tion to year D. ISDN year D is calling year D. Ensure	
	ISDN user A has an active connect	Iton to user <b>B</b> . ISDN user <b>D</b> is calling user <b>B</b> . Ensure	
	that user B will be informed about the waiting call (CW) and that the Waiting call is		
	released at the terminating exchange after timer expired.		
	0		
ISDN parameter	BC=speech		
values:			
PI MN parameter	GSM-BC=speech		
values:			
Comments:			

211002	ICDN rof to:	DI MN rof to:
211903	ISDN ref. to:	PLIVIN Fer. to:
	EN 300 403-1 [1]	
		ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CFB_CW/TC211903
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	<ul> <li>PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes.</li> <li>ISDN user A has an active connection to user B. PLMN user B is involved in an active call with ISDN user D and in the same time he has a Waiting incoming call from ISDN user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the call will be forwarded to C. PLMN user B and the ISDN calling user A shall receive a call diversion notification.</li> </ul>	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211904	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1]	ETS 300 515 [29]	
TSS reference:	ISDN-PLMN/Supplementary_servi	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211904	
ISDN selection criteria:			
PLMN selection criteria:	CW, CFB		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No.ISDN user A has an active connection to user B. PLMN user B is involved in an active call with ISDN user D and in the same time he has a Waiting incoming call from ISDN user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the call will be forwarded to C. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

211905	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1]	ETS 300 515 [29]	
TSS reference:	ISDN-PLMN/Supplementary_service	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211905	
ISDN selection criteria:			
PLMN selection criteria:	CW, CFB		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes.ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. ISDN calling user A shall receive a call diversion notification while PLMN user B shall not receive a call diversion notification.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

211906	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_ser	vices/Speech/CFB_CW/TC211906
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	<ul> <li>PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No.</li> <li>ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.</li> </ul>	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

## NON-SYMMETRICAL TESTS

220101	ISDN ref. to: ETS 300 055-1 [12]	PLMN ref. to:
	subclause 9.2.1	ETS 300 646-1 subclause 6.1.1.3
	EN 300 403-1 [1], subclause 5.6	ETS 300 557 [35], subclause 10.5.4.20
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/TP/TC220101	
ISDN selection criteria:	ТР	
PLMN selection criteria:		
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the calling user (no call identity is used)	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The calling user has a basic acces	S

220102	ISDN ref. to:	PLMN ref. to:
	ETS 300 055-1 [12],	
	subclause 9.2.2	ETS 300 646-1 subclause 6.1.1.3
	EN 300 403-1 [1], subclause	
	5.6.5	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/TP/TC220102
ISDN selection criteria:	ТР	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call re- establishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The calling user has a basic acces	s

000004		
220201	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/UUS1/TC220201
ISDN selection criteria:	UUS1e	
PLMN selection	UUS is explicit rejected	
criteria:		
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not- essential).Verify that the UUS service 1 explicit can be correctly implicitly rejected in the PLMN.	
ISDN Parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

220202	ISDN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC220202		
ISDN selection criteria:	UUS1e		
PLMN selection criteria:	UUS is explicit rejected		
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not- essential).Verify that the UUS 1 is explicitly discarded without disrupting the call establishment.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

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220203	ISDN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC220203		
ISDN selection criteria:	UUS1e		
PLMN selection criteria:			
Test purpose:	The calling (served) user is provided with UUS1 explicit request as required (essential).		
	Ensure that after explicit request o rejects the UUS1 request and initia #69 "requested facility not implem	f UUS1 indicating "required", the destination network ttes call clearing to the calling user with cause value ented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC=speech		
PLMN parameter values:			
Comments:			

220204	ISDN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS2/TC220204		
ISDN selection criteria:	UUS2		
PLMN selection criteria:	UUS is implicit rejected		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as preferred		
	(not-essential). To verify that the UUS2 implicit network rejection can be correctly handled.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

220205	ISDN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS2/TC220205		
ISDN selection criteria:	UUS2		
PLMN selection criteria:	UUS is explicit rejected		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as preferred		
	(not-essential). Verify that the UUS 2 is explicitly discarded without disrupting the call establishment.		
ISDN Parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
Comments:			
Comments.			
220206	ISDN ref. to:	PLMN ref. to:	
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	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_servic	ISDN-PLMN/Supplementary_services/Speech/UUS2/TC220206	
ISDN selection	UUS2		
criteria:			
PLMN selection	UUS is explicit rejected		
criteria:			
Test purpose:	The calling (served) user is provided with UUS2 explicit request as required		
	(essential).		
	Ensure that after explicit request of rejects the UUS2 request and initia #69 "requested facility not implem	f UUS2 indicating "required", the destination network tes call clearing to the calling user with cause value ented" or cause value #29 "facility rejected".	
ISDN Parameter	BC=speech		
values:			
PLMN parameter			
values:			
Comments:			

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220207	ISUN ref. to:	PLWN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/UUS3/TC220207
ISDN selection criteria:	UUS3	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred (not- essential), request during call establishment.	
	Verify that the UUS3 implicit netw	ork rejection can be correctly handled.
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220208	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/UUS3/TC220208
ISDN selection	UUS3	
criteria:		
PLMN selection	UUS is explicit rejected	
criteria:		
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred(not- essential), request during call establishment.	
	Verify that the UUS3 is explicitly	discarded without disrupting the call establishment.
ISDN Parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

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220209	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_servin	ces/Speech/UUS3/TC220209
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The calling (served) user is provided with UUS3 explicit request as required	
	(assential) request during call asta	hlichmont
	(essential), request during call esta	onsiment.
	Ensure that after explicit request or rejects the UUS3 request and initial	f UUS3 indicating "required", the destination network
	#69 "requested facility not implem	ented" or cause value #29 "facility rejected".
ISDN Parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:		

220301	ISDN ref. to:	PLMN ref. to:	
	ETS 300 185-1 [14],		
	subclause 9.2.2, ANNEX A, Figure	ETS 300 646-1, subclause 6.1.1.8	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/CONF/TC220301	
ISDN selection	CONF		
PI MN selection			
criteria:			
Test purpose:	Ensure that user A can establish co	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter values:	BC=speech		
PLMN parameter	GSM-BC=speech		
values:			
Comments:	The user A is in network N1 and is sends a SETUP message including component to the network. The net CONNECT message which shall in Facility IE [in the (Active, Idle) state After the reception off the CON procedure, the call is an Active-He	provided with CONF. User B is in network N2. User A g a Facility IE which shall contain a BeginCONF invoke work shall respond with a CALL PROCEEDING and a iclude a BeginCONF return result component in a e]. INECT message, user A is initiating the call hold ld connection.	
	User A sends a SETUP messag a FACILITY message to the netwo (CRy) including an <b>AddCONF</b> inv The network shall send a DISC Facility IE with an <b>AddCONF</b> retu	e to user B. After the call establishment, user A sends ork indicating the call reference of the call to be added voke component. ONNECT message (with CRy) to user A with a urn result component.	
	User A sends RELEASE for CI COMPLETE.	Ry. The network response with RELEASE	
	User B shall receive a NOTIFY that the user B has been added to the the the user B has been added to the	' message with a Notification indicator IE indicating ne conference ("Conference established").	
	<b>EDITORS NOTE 4</b> : The standard E the Recommendation Q.734.1. The to the remote users.	ETS 300 646-1, subclause 6.1.1.8 is not in line with PLMN does not support the sending of notifications	

220302	ISDN ref. to:	PLMN ref. to:
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Figure	ETS 300 646-1, subclause 6.1.1.8
	A.2	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CONF/TC220302
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a	conference from the Active call state.
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2.	
	User A calls user B (with CRx)	After the call establishment
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).	
	The network shall respond to us IE witch shall contain a BeginCON	ser A with a FACILITY message including a Facility F return result component in a Facility IE.
	User B shall receive a NOTIFY that the user B has been added to the	message with a Notification indicator IE indicating the conference ("Conference established").
	<b>EDITORS NOTE 4</b> : The standard the Recommendation Q.734.1. The to the remote users.	ETS 300 646-1, subclause 6.1.1.8 is not in line with PLMN does not support the sending of notifications

220303	ISDN ref. to: PLMN ref. to:	
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Figure ETS 300 646-1, subclause 6.1.1.8	
TSS reference:	A.3 ISDN-PLMN/Supplementary_services/Speech/CONE/TC220303	
ISDN selection	CONF	
criteria:		
PLMN selection		
Test nurnose	Ensure that user A can add an existing call to the conference	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.	
	User A calls user B (with CRx). After the call establishment	
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE	
	which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").	
	After initiating of call hold, the call (CRx) is in an Active-Held connection.	
	User A sends a SETUP message to user C. After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an <b>AddCONF</b> return result component.	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").	
	<b>EDITORS NOTE 4</b> : The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220304	ISDN ref. to:	PLMN ref. to:
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Figure	ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220304	
ISDN selection	CONF	
Criteria:		
criteria:		
Test purpose:	Ensure that user A can add an incor	ning call to the conference.
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The user A is in network N1 and is provid	ded with CONF. User B and C are in network N2.
	User A calls user B (with CRx). After	er the call establishment
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").	
	User C is calling user A. User A receives a SETUP (with CRy) message. User A answers with a ALERTING message and initiates the call hold procedure, the call A-B is in the Active, Call Held state.	
	After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component.	
	The network shall send a DISCC Facility IE with an <b>AddCONF</b> retur	ONNECT message (with CRy) to user A with a n result component.
	User A sends RELEASE for CR	y. The network response with RELEASE
	User C shall receive a NOTIFY that the user C has been added to the	message with a Notification indicator IE indicating e conference ("Conference established").
	User B shall receive a NOTIFY that a new remote user has been add	message with a Notification indicator IE indicating ed to the conference ("Other party added").
	<b>EDITORS NOTE 4</b> : The standard 1 the Recommendation Q.734.1. The 1 to the remote users.	ETS 300 646-1, subclause 6.1.1.8 is not in line with PLMN does not support the sending of notifications

220305	ISDN ref. to: PLMN ref. to:	
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Figure ETS 300 646-1, subclause 6.1.1.8	
TSS reference:	A.7-A.8	
135 reference.	ISDN-1 LIMN/Supplementary_services/Speech/CONI / 10220303	
ISDN selection	CONF	
criteria:		
PLMN selection		
Test nurnose	Ensure that user A can establish a conference call with user B and user C and isolate	
	and reattach user B.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:	The upper A is in notwork N1 and is provided with CONE. Lloar B and C are in notwork N2	
Comments:		
	User A calls user B (with CRx). After the call establishment	
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").	
	After initiating of call hold, the call (CRx) is in an Active-Held connection.	
	User A sends a SETUP message to user C. After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component.	
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").	
	User A sends a FACILITY message with a Facility IE including a IsolateCONF invoke component to request the isolation of the remote user B. The network shall send a FACILITY message with a Facility IE including a IsolateCONF return result component.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been reattached to the conference ("other party reattached").	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is reattached to the conference("reattached"). User A sends a FACILITY message with a Facility IE including a ReattachCONF invoke component to request the reattachment of the remote user B. The network shall send a FACILITY message with a Facility IE including a ReattachCONF return result component.	
	<b>EDITORS NOTE 4</b> : The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220306	ISDN ref. to:	PLMN ref. to:	
	ETS 300 185-1 [14],		
	subclause 9.2.2, ANNEX A, Figure	ETS 300 646-1, subclause 6.1.1.8	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220306		
ISDN selection criteria:	CONF		
PLMN selection			
Test purpose:	Ensure that user A can establish a one party can be splited.	conference call with user B and user C and verify that	
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:	The user A is in network N1 and is prov	ided with CONF. User B and C are in network N2.	
	User A calls user B (with CRx)	. After the call establishment	
	[in the (Active, Idle) state] user A s which shall contain a <b>BeginCONF</b> call to be added (CRx).	sends a FACILITY message including a Facility IE invoke component indicating the call reference of the	
	The network shall respond to us IE witch shall contain a BeginCON	ser A with a FACILITY message including a Facility IF return result component in a Facility IE.	
User B shall receive a NOTIFY message with a Notification indicator IE that the user B has been added to the conference ("Conference established"). initiating of call hold, the call (CRx) is in an Active-Held connection.		<ul><li>message with a Notification indicator IE indicating</li><li>me conference ("Conference established"). After</li><li>(c) is in an Active-Held connection.</li></ul>	
	User A sends a SETUP message (CRy) to user C. After the call establishment [ in the (Active, Idle) state] User A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component.		
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component.		
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.		
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").		
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").		
	User A sends a SETUP message including a Facility IE which shall contain SplitCONF invoke component to request the splitting of the remote user B.		
	The network shall send a CALL PROCEEDING, ALERTING without Channelid IE and a CONNECT message with a SplitCONF return component.		
	User C shall receive a NOTIFY that the user B has been split from	message with a Notification indicator IE indicating the conference ("other party split").	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is disconnected from the conference ("conference disconnected").		
	<b>EDITORS NOTE 4</b> : The standard the Recommendation Q.734.1. The to the remote users.	ETS 300 646-1, subclause 6.1.1.8 is not in line with PLMN does not support the sending of notifications	

220307	ISDN ref. to:	PLMN ref. to:
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Figure	ETS 300 646-1, subclause 6.1.1.8
	A.10-A.12	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CONF/TC220307
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The user A is n network N1 and	is provided with CONF. User B and C are in network
	N2.	
	Ensure that user A can establish	a conformance call with year D and year C. Varify that
	Ensure that user A can establish	a conference can with user b and user C. Verify that
	user B can be disconnected from us	ser A (with a DropCONF invoke component in a
	FACILITY message) from the cont	Ference and that user A can terminate the conference
	using the basic call clear procedure	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:	-	

Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.
	User A calls user B (with CRx). After the call establishment
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection.
	User A sends a SETUP message (CRy) to user C. After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component.
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component.
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").
	User A sends a FACILITY message with a Facility IE including a DropCONF invoke component to request to disconnect the remote user B.
	The network shall send a FACILITY message with a Facility IE including a DropCONF return result component.
	User B shall be disconnected from the call with the normal call clearing procedures.
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been disconnected from the conference ("other party disconnected").User A is terminating the conference sending a DISCONNECT message, the network response with RELEASE and the user with RELEASE COMPLETE.
	User C shall be disconnected from the network with the normal call clearing procedures.
	<b>EDITORS NOTE 4</b> : The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.

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220308	ISDN ref. to:	PLMN ref. to:
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Fi	gure ETS 300 646-1, subclause 6.1.1.8
	A.11-A.12	
TSS reference:	ISDN-PLMN/Supplementary_s	ervices/Speech/CONF/TC220308
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establi user B can disconnect the con using the basic call clear proce	sh a conference call with user B and user C. The remote ference and that user A can terminate the conference edure.
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:	-	

Comments:	The user A is in network N1 and is provided with CONF. User B is in network N2.
	User A calls user B (with CRx). After the call establishment
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection.
	User A sends a SETUP message (CRy) to user C. After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component.
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component.
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").
	User B send a DISCONNECT message, the network shall send to user A a FACILITY message with a Facility IE including a PartyDISC invoke component with a parameter indicating the PartyId associated with the disconnected remote user.
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B disconnected from the conference ("other remote user disconnected").User A is terminating the conference sending a DISCONNECT message, the network response with RELEASE and the user with RELEASE COMPLETE.
	User C shall be disconnected from the network with the normal call clearing procedures.
	<b>EDITORS NOTE 4</b> : The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.

220401	ISDN ref. to:	PI MN ref. to:	
220101	ETS 300 188-1 [17]		
	E 10 000 100-1 [17],	ETS 300 646-1 subclause 6 1 1 14	
	Subclause 5.2		
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/3PTY/TC220401	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.		
ISDN parameter values:	BC=speech		
PLMN parameter values:			
Comments:	The user A is in network N1 and is prov N2.	vided with 3PTY. The user B and user C are in the network	
	User A calls user B (with CRx) Active-Held connection.	). After initiating of call hold, the call A-B has an	
	User A is calling user C (with the C	CRy). The call (A-C) has an Active-Idle connection.	
When user A sends a FACILITY message for CRx containing a facility IE Begin3PTY invoke component the network shall respond with a FACILITY of containing a facility IE with a Begin3PTY return result component for CRx. T C shall receive a NOTIFY message containing a Notification Indicator IE with notification description of "Conference established". The three-way bridge is		Y message for CRx containing a facility IE with a e network shall respond with a FACILITY message in3PTY return result component for CRx. User B and e containing a Notification Indicator IE with a rence established". The three-way bridge is established.	
	On receipt of a DISCONNECT message from the user $\mathbf{A}$ relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user $\mathbf{B}$ the notification "Remote hold".		
	When user <b>A</b> sends a RETRIEVE message for CRx the network shall send a NOTIFY message to user B containing a Notification indicator IE with a notification description of "Conference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection.		
	The call clearing procedure is perf	ormed from user A with a DISCONNECT message.	
	<b>EDITORS NOTE 5</b> : The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.		

220402	ISDN ref. to:	PLMN ref. to:	
	ETS 300 188-1 [17],		
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220402		
ISDN selection criteria:	3PTY		
PLMN selection criteria:	_		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B). The call clearing procedure is performed from user A.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:	The user A is in network N1 and is provided with 3PTY.The user B and user C are in the network N2. User A calls user B (with CRx). After initiating of call hold, the call A-B has an Activ		
	Held connection.		
	User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.		
	On receipt of a DISCONNECT message from the user <b>A</b> relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user <b>C</b> a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". The call A-C has an Active-Idle connection.		
	The call clearing procedure is performed from user A with a DISCONNECT message.		
	<b>EDITORS NOTE 5</b> :The standar the Recommendation Q.734.2. T to the remote users.	rd ETS 300 646-1 subclause 6.1.1.15 is not in line with he PLMN does not support the sending of notifications	

220403	ISDN ref. to:	PLMN ref. to:	
	ETS 300 188-1 [17],		
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14	
TSS reference:	ISDN-PLMN/Supplementary_se	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220403	
ISDN selection criteria:	3PTY		
PLMN selection criteria:			
Test purpose:	Ensure that user A can establish and release of both remote user	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user B is released first.	
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:	The user A is in network N1 and is p N2.	rovided with 3PTY. The user B and user C are in the network	
	User A calls user B (with CRx). Held connection.	After initiating of call hold, the call A-B has an Active-	
	User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.		
	When user A sends a FACILITY message for CRx containing a facility Begin3PTY invoke component the network shall respond with a FACILITY containing a facility IE with a Begin3PTY return result component for CRx. C shall receive a NOTIFY message containing a Notification Indicator IE w notification description of "Conference established". The three-way bridge i		
	On receipt of a DISCONNECT message from the user <b>A</b> relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message.		
	After the release of the three-way bridge the network is sending to the remote user <b>C</b> a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected".		
	On receipt of a DISCONNECT message from the user <b>A</b> relating to the Active-Idl connection (CRy) the network shall clear the call to user C with a DISCONNECT message.		
	<b>EDITORS NOTE 5</b> : The stand the Recommendation Q.734.2. T to the remote users.	ard ETS 300 646-1 subclause 6.1.1.15 is not in line with The PLMN does not support the sending of notifications	

220404	ISDN ref. to:	PLMN ref. to:
	ETS 300 188-1 [17],	
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_s	ervices/Speech/3PTY/TC220404
ISDN selection	3PTY	
criteria:		
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user C is released first.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	<b>EDITORS NOTE 5</b> : The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220405	ISDN ref. to:	PLMN ref. to:	
	ETS 300 188-1 [17].		
		ETS 300 646-1, subclause 6.1.1.14	
	Subclause 9.2		
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/3PTY/TC220405	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and		
	user B sends disconnect during the	Three-Party communication.	
ISDN parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
values:	-		
Comments:	EDITORS NOTE 5: The standard E the Recommendation Q.734.2. The	ETS 300 646-1, subclause 6.1.1.15 is not in line with PLMN does not support the sending of notifications	

220406	ISDN ref. to:	PI MN ref. to:
	ETS 200 188 1 [17]	
	E 13 300 100-1 [17],	ETS 300 646 1 subclause 6.1.1.14
	Subciause 9.2	E15 500 040-1, subclause 0.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/3PTY/TC220406
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
<b>Test purpose:</b> Ensure that user A can establish a three-way conversation call with		hree-way conversation call with user B and user C and
	user C sends disconnect during the	Three-Party communication.
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:	*	
Comments:	EDITORS NOTE 5: The standard E the Recommendation Q.734.2. The	ETS 300 646-1 subclause 6.1.1.15 is not in line with PLMN does not support the sending of notifications

220407	ISDN ref. to:	PLMN ref. to:
	ETS 300 188-1 [17],	ETS 300 646-1 subclause 6 1 1 14
	Subclause 9.2	
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220407	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	<b>EDITORS NOTE 5</b> : The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220408	ISDN ref. to:	PLMN ref. to:
	ETS 300 188-1 [17],	
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/3PTY/TC220408
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	

Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.
	User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.
	When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B an C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.
	The served user shall send an End3PTY invoke component to the network in a
	FACILITY message with that CRx. On receiving such an invoke component in a FACILITY message, the network shall:
	i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection;
	ii) release the three-way bridge;
	iii) return to the served user an End3PTY return result component, within a FACILITY message using the CRx of the Active-Held connection;
	iv) send a NOTIFY message to the remote user with which private communication is required containing a Notification indicator information element with a notification description of "Remote hold"; and,
	v) send a NOTIFY message to the other remote user containing a Notification indicator information element with a notification description of "Conference disconnected".
	When the served user receives a correctly encoded End3PTY return result component, within a FACILITY
	message, the user shall accept the provided information and shall:
	i) use the CR relating to the Active-Idle connection, perform the Hold function
	ii) use the CR relating to the Active-Held connection, perform the Retrieve function
	The network shall complete the Hold and Retrieve functions. On successful completion of the Hold function (i.e. the HOLD ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user that is not to be
	included in the private communication, containing a Notification indicator information element with a notification description of "Remote hold". On successful completion of the Retrieve function (i.e. RETRIEVE ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user for whom
	private communication is desired, containing a Notification indicator information element with a notification description of "Conference disconnected".
	(A Notification indicator information element with a notification description of "Remote retrieval" is not sent to the remote user under these circumstances.)
	As a result of the procedures of this item of this subclause, the call state of the connections, at both the network and the served user, is unchanged. The auxiliary state of the connection of the private communication changes from Call
	Held to Idle. The auxiliary state of the other connection changes from Idle to Call Held.
	<b>EDITORS NOTE 5</b> : The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.

000400			
220409	ISDN ref. to:	PLMN ref. to:	
	ETS 300 188-1 [17],		
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14	
	505010030 5.2	······································	
TSS reference:	ISDN-PLMN/Supplementary	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220409	
ISDN selection criteria:	ЗРТҮ	3PTY	
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and		
	create a private communication with user C. The call clearing procedure is performed		
	from user A.		
ISDN parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
values:	L.		

Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.
	User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.
	When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.
	If the remote user, for which a private communication is required, is identified at the served user by the CRy relating to the Active-Idle connection, the served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRy.
	On receiving such an invoke component in a FACILITY message, the network shall:
	i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection;
	ii) release the three-way bridge;
	iii) return to the served user an End3PTY return result component, within a FACILITY message, using the CRy of the Active-Idle connection;
	iv) send a NOTIFY message to both remote users containing a Notification indicator information element with a notification description of "Conference disconnected"; and,
	v) send to the remote user for which private communication is not required, either in the same NOTIFY message as (iv), or in a subsequent NOTIFY message, a Notification indicator information element with a notification description of "Remote hold". If any intervening protocol between the network of the served user and the network of the remote user does not support transmission of two notification descriptions in the same message, then this should be mapped at that point to a message containing a single notification description of "Conference disconnected", and a subsequent message containing a notification description of "Remote hold".
	When the served user receives a correctly encoded End3PTY return result component, within a FACILITY message, the user shall accept the provided information and take no further action. As a result of the procedures of this item of this subclause, the call state and the auxiliary state of the connections, at both the network and the served user, are unchanged.
	The call clearing procedure is performed from user A with a DISCONNECT message
	<b>EDITORS NOTE 5</b> : The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.

220501	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/ECT/TC220501
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is pro- C are in network N2. Ensure that when user A invokes E <b>Call Held auxiliary state</b> and the between user B and user C is estab call clearing procedure of the B-C	vided with ECT using implicit linkage. User B and user ACT in which the call <b>A-B</b> is in the <b>Active call state -</b> call <b>A-C</b> is in the <b>Active call state</b> a connection lished and the calls A-B and A-C are released. The connection is performed from user B.
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220502	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/ECT/TC220502
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is pro C are in network N2. Ensure that when user A invokes E the call <b>A-C</b> is in the <b>Active call s</b> user B and user C is established an A-B and A-C are released. The call clearing procedure of the	vided with ECT using implicit linkage. User B and user ECT in which the call <b>A-B</b> is in the <b>Active call sate</b> and <b>tate - Call Held auxiliary state,</b> a connection between id the calls B-C connection is performed from user C.
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220503	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/ECT/TC220503
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is pro C are in network N2. Ensure that when user A invokes E Call Held auxiliary state and the between user B and user C is estab network C receives a CONNECT of basic call procedure for the user C The call clearing procedure of the	vided with ECT using implicit linkage. User B and user ECT in which the call <b>A-B</b> is in the <b>Active call state -</b> call <b>A-C</b> is in the <b>Call Delivered State</b> a connection dished and the calls A-B and A-C are released. When message from user C, network C shall proceed with the B-C connection is performed from user B.
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220504	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/ECT/TC220504
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is pro- C are in network N2. Ensure that when user A invokes E and the call A-C is in the Call Del between user B and user C is estab A-B and A-C are released. When r network C shall proceed with the b procedure of the B-C connection is	vided with ECT using implicit linkage. User B and user CCT in which the call <b>A-B</b> is in the <b>Active call state</b> <b>ivered State - Call Held auxiliary state</b> , a connection lished and the calls network C receives a CONNECT message from user C, pasic call procedure for the user C. The call clearing as performed from user C.
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220601	ISDN ref. to:	PI MN ref. to:
	EN 300 403-1 [1]	
		FTS 300 548 [34]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/Call barring service/TC220601
ISDN selection criteria:		
PLMN selection	The Network B supports barring of all incoming calls (BAIC).	
criteria:		
Test purpose:	Ensure that when the called user a establishment is not possible and t	ctivates barring of all incoming calls, call he network initiate call clearing to the calling user.
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	EDITORS NOTE 3: The cause value	e with witch the call shall be rejected is not defined.

220602	ISDN ref. to: EN 300 403-1 [1]	PLMN ref. to: ETS 300 548 [34]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/Call barring service/TC220602
ISDN selection criteria:		
PLMN selection criteria:	The Network B supports barring of when roaming outside the home P the home PLMN country.	all incoming calls (BAIC) and barring of incoming calls LMN country (BIC-Roam). The MS is roaming outside
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated.	
	Call establishment is not possible a	and the network initiate call clearing to the calling user.
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause value	e with witch the call shall be rejected is not defined.

000704		
220701	ISDN ref. to:	PLMN ref. to:
	ETS 300 359-1, subclause 9.1.2	
		FTS 300 646 1 subclause 6.1.1.14
		L15 500 040-1, subclause 0.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CCBS/TC220701
ISDN selection	The user A is in network N1 and ha	as subscribed to the CCBS supplementary service
criteria:		
PLMN selection	The user B is in the network N2 and	d doesn't support CCBS.
criteria:		
Test purpose:	User A calls busy user B. The netw	ork clears the incoming call with user busy (cause
	value # 17). User A's CCBS reques	st is identified by the callLinkageID parameter. The
	network cannot accept user A's rec	uest identified by the callLinkageID parameter
	because CCBS is not available to t	he destination. The network A shall send a CCBS
	Request return error component in	dicating "longTermDenial" to user A
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:		

220801	ISDN ref. to:	PLMN ref. to:
	EN 300 065-1	
		EN 300 065
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/CCNR/TC220801
ISDN selection criteria:	The user A is in network N1 and ha	as subscribed to the CCNR supplementary service
PLMN selection criteria:	The user B is in the network N2 an	d doesn't support CCNR.
Test purpose:	User A calls user B which doesn't answer the call. User A's CCNR request is identified by the callLinkageID parameter. The network cannot accept user A's request identified by the callLinkageID parameter because CCNR is not available to the destination. The network A shall send a CCNR Request return	
	error component indicating "longT	ermDenial" to user A.
ISDN parameter	BC-speech	
values:		
PLMN parameter		
values:		
Comments:		

220001	ISDN rof to:	DI MNI rof to:
220901	ISDN TEL. LO.	PLWIN Tel. 10.
	EN 300 403-1 [1]	
		ETS 300 519
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/AoC/TC220901
ISDN selection		
criteria:		
PLMN selection	AoC	
criteria:		
Test purpose:	PLMN user B is provided with AoC supports phase 2 supplementary s establishment will be successful.	-Charging and is using a mobile station which ervices. ISDN user A calls user B. Ensure that the call
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

220002	ICDN rof to:	DI MNI rof. to:
220902	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1]	
		ETS 300 519
TSS reference:	ISDN-PLMN/Supplementary_service	ces/Speech/AoC/TC220901
ISDN selection		
criteria:		
PLMN selection	AoC	
criteria:		
Test purpose:	PLMN user B is provided with AoC not support phase 2 supplementar network will initiate call clearing to option not available, unspecified"	-Charging and is using a mobile station which does y services. ISDN user A calls user B. Ensure that the the calling user with cause value #63 "service or
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:		

221001	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/Speech/MPTY/TC221001
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network	N2.
Test purpose:	User A is calling user B. Ensure th user C. User B is terminating the e	at the user B can establish a MPTY call to user A and entire multi party call.
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

221002	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_servic	es/Speech/MPTY/TC221002
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user B and C. The user A is clearing the remote party C. The call clearing procedure to user A is performed from user B.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

221003	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_serv	ices/Speech/MPTY/TC221003
ISDN selection	User A is in network N1	
PI MN selection	User B and user C are in network	N2
criteria:		112.
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

221004	ISDN rof to:	DI MNI rof to:
221004	ISDN TEL. LO.	FLWIN TEL. LO.
	EN 300 403-1 [1]	
		ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/Speech/MPTY/TC221004
ISDN selection	User A is in network N1	
criteria:		
PLMN selection	User B and user C are in network N	V2.
criteria:		
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
ISDN parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:	-	
Comments:		

## 6.2.2.2 Bearer capability "UDI"

## Supplementary services

UDI

230101	ISDN ref. to: ETS 300 092-1 [6], subclause 9.3, EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	PLMN ref. to: ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36], subclause 1,
		ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	xes/UDI/CLIP/TC230101
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party nun "subscriber number", with Calling p party subaddress information elem	nber is provided by the calling user, Type of number party subaddress, the Calling party number and Calling ents are correctly delivered to the called (served) user.
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON=subscriber number	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25] )	
Comments:		

230102	ISDN ref. to:	PLMN ref. to:
	ETS 300 092-19.3 EN 300 403-1 [1]	FTS 300 557 [35] subclause 10 5 4 9
	1000403-1[1],	E15 500 557 [55], subclidise 10.5.4.9
	subclause 4.5.11	ETS 300 565 [36], subclause 1
		ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/UDI/CLIP/TC230102
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "national number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption,	
values:	Calling party number: PI=PA SI=UPVP, TON= national number	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption,	
values:	Calling party number: PI=PA, SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25] )	
Comments:		

230103	ISDN ref. to:	PLMN ref. to:
	ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1],	ETS 300 557 [35], subclause 10.5.4.9
	subclause 4.5.10, subclause 4.5.11	ETS 300 565 [36], subclause 1
		ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CLIP/TC230103
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "international number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption,	
	Calling party number: PI= PA, SI=UPVP, TON=international number	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption,	
Calling party number PI=PA, SI=UPVP, TON= national / internation		JPVP, TON= national / international number,
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230104	ISDN ref. to:	PLMN ref. to:
	ETS 300 092-1 [6], 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CLIP/TC230104
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "unknown", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON=unknown	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230105	ISDN ref. to: ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1], subclause 4.5.10	PLMN ref. to: ETS 300 557 [35], subclause 10.5.4.9, subclause 10,5.4.10 ETS 300 565 [36], subclause 1
		ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CLIP/TC230105
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CL	IP
Test purpose:	Ensure that when no Calling party number information element is provided by the calling user, (and no Calling party subaddress), the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: SI=NP, TON= national / international number, PI=PA, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230201	ISDN ref. to:	PLMN ref. to:	
	ETS 300 093-1 [7]	ETS 300 557 [35] subclause 10 5 4 9	
	ETS 300 092-1 [6] /A2 Eig2	subclause 10.5.4.10	
		ETS 300 565 [36], subclause 1	
		ETS 300 542 [57], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_se	ervices/UDI/CLIR/TC230201	
ISDN selection criteria:	CLIR		
PLMN selection criteria:	The called user is provided with CLIP		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.		
	Ensure that when the Calling party number is provided by the calling user, with Calling party subaddress, the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present		
ISDN parameter	BC= UDI with V.110/X.30 rate adaption,		
values:	Calling party number: PI=PR, TON=unknown, NPI=unknown		
PLMN parameter	GSM-BC= UDI with V.110/X.30	GSM-BC= UDI with V.110/X.30 rate adaption,	
values:	Calling party number: PI=PR, S	SI=NP, TON=unknown, NPI=unknown	
Comments:			

230202	ISDN ref. to:	PI MN ref. to:	
230202		FLIMIN Tel. (O.	
	ETS 300 093-1[/]	ETS 300 557 [35] subclause 10 5 4 9	
		1550057[55], subclause $10.5.4.9$ ,	
	ETS 300 092-1 [6] /A2 Fig2	subclause 10.5.4.10	
		ETS 300 565 [36] subclause 1	
		115 500 505 [50], subchuse 1	
		ETS 300 542 [57], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_se	ervices/UDI/CLIR/TC230202	
ISDN selection criteria:	CLIR		
PLMN selection	The called user is provided with CLIP		
criteria:			
Test purpose:	The calling user is provided with CLIR permanent mode subscription.		
	Ensure that when no Calling pa party subaddress), the Calling p delivered to the called user with	rty number is provided by the calling user (and no Calling party number information element is network provided and hout any digit information.	
ISDN peromotor	BC-UDI with V 110/X 30 rate a	dantion	
values:		BC=0DI with V.110/X.30 rate adaption,	
PLMN parameter	GSM-BC=UDI with V.110/X.30	GSM-BC=UDI with V.110/X.30 rate adaption,	
values:	Calling party number: PI=PR, S	SI=NP, TON=unknown, NPI=unknown	
Comments:			

230301	ISDN ref. to:	PLMN ref. to:	
	ETS 300 097-1 [8],	ETS 200 557 [25] subalausa 0 2 5 2	
	subclause 9.5.1	E15 500 557 [55] subclause 9.5.5.2,	
		subclause 10.5.4.14	
		ETS 300 565 [36], subclause 3,	
		ETS 300 542 [57], subclause 3	
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/COLP/TC230301	
ISDN selection criteria:	The calling user is provided with C	The calling user is provided with COLP	
PLMN selection criteria:	COLP		
Test purpose:	Ensure that when the Connected s Connected number and Connected delivered to the calling (served) us	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adapt	ption,	
values:			
	Connected number: PI=PA, SI=NI	?, TON= national /international number, NPI= NPI=	
	ISDN/Telephony numbering plan	(ITU-T Rec. E.164 [25] )	
	Connected subaddress		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	GSM-BC=UDI with V.110/X.30 rate adaption,	
values:			
	Connected subaddress		
Comments:			

000000			
230302	ISDN ref. to	PLMN ref. to:	
	ETS 300 097-1 [8],		
	subclause 9.5.1	ETS 300 557 [35], subclause 9.3.5.2,	
		subclause 10.5.4.14	
		ETS 300 565 [36] subclause 3	
		E15 500 505 [50], subchuse 5	
		FTS 300 542 [57] subclause 3	
		E15 500 542 [57], subclause 5	
TSS reference:	ISDN-PLMN/Supplementary se	ervices/UDI/COLP/TC230302	
ISDN selection	Calling user is provided with CC	)LP	
criteria:			
PLMN selection	COLP	COLP	
criteria:			
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the		
	Connected number information element is network provided and correctly delivered to		
	the calling (served) user.		
ISDN parameter	BC=UDI with V.110/X.30 rate adaption,		
values:			
	Connected number: SI=NP, PI=	=PA,TON= national / international number,	
	NPI= ISDN/Telephony number	ring plan (ITU-T Rec. E.164 [25])	
	1 1		
PLMN parameter	GSM-BC=UDI with V.110/X.30	GSM-BC=UDI with V.110/X.30 rate adaption	
values:			
Comments:			

230401	ISDN ref. to:	PLMN ref. to:
	ETS 300 098-1 [9],	ETS 200 557 [25] autolouse 0.2 5.2
	subclause 9.3.1, subclause 9.4.1	E15 500 557 [55], subclause 9.5.5.2,
	ETS 300 097-1 [8] /A2 Fig 4	subclause 10.5.4.14
		ETS 300 565 [36], subclause 4,
		ETS 300 542 [57], subclause 4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/COLR/TC230401	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription	
	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption,	
values:	Connected number PI=PR, SI=NP, TON=unknown, NPI=unknown	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

2205.04			
230501	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementary_servi	L ces/UDI/CUG/TC210501	
ISDN selection criteria:	CUG supplementary options: not OA; not ocb; not Pref. CUG		
PLMN selection	Calling user and called user belong to the <b>same</b> CUG;		
criteria:			
	CUG supplementary options: <b>IA</b> ;	not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
ISDN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values:	Facility IE with cUGCall invoke component:		
		OARequested set to TRUE	
		CUG Index included	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:			

230502	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4		
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementar	y_services/UDI/CUG/TC230502	
ISDN selection	The calling user belongs to	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria:	not ocb; not Pref. CUG	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to	The called user belongs to the <b>same</b> CUG with the following CUG supplementary	
criteria:	options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message. A Facility IE may be passed to the MS which contains an CUG index associated with the invoked CUG.		
ISDN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values:	Facility IE with cUGCall invoke component:		
		OARequested set to TRUE	
		CUG Index included	
PLMN parameter values:	GSM-BC=UDI with V.110/X	(.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:			

230503	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4		
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementa	ry_services/UDI/CUG/TC230503	
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;		
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the <b>same</b> CUG with the following CUG supplementary		
criteria:	options: IA; ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter	r BC=UDI with V.110/X.30 rate adaption;		
values:	Facility IE with cUGCall invoke component:		
		OARequested set to TRUE	
		CUG Index included	
PLMN parameter			
Comments:			

230504	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4	ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementary_s	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230504	
ISDN selection	The calling user belongs to a C	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the	The called user belongs to the same CUG with the following CUG supplementary	
criteria:	options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index not included,		
	the called user receives a SETUP message.		
ISDN parameter	BC=UDI with V.110/X.30 rate adaption;		
values:	Facility IE with cUGCall invoke component:		
		OARequested set to TRUE CUG Index <b>not</b> included	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30	rate adaption;	
Comments:			

230505	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10]		
	subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementa	ry_services/UDI/CUG/TC230505	
ISDN selection criteria:	The calling user belongs to not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user is <b>not a C</b>	The called user is <b>not a CUG subscriber</b> .	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".		
ISDN parameter values: Facility IE with cUGCall invoke component:		ate adaption; all invoke component:	
		OARequested set to TRUE CUG Index included	
PLMN parameter values:			
Comments:			

230506	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10], subclause 9.2.3	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CUG/TC230506
ISDN selection criteria:	Calling user is <b>not member</b> of CUG	
PLMN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: <b>not IA;</b> <b>not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall invoke component the network initiate call clearing to the calling user with cause value # "87 user not a member of CUG".	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:		
Comments:		

220507	ICDN rof to:	DI MNI rof. to:	
230307		PLWIN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2	E18 300 546 [33]	
		ETS 200 540 [20]	
		E13 300 309 [39]	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CUG/TC230507	
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>not</b>		
criteria:	OA; not ocb; not Pref. CUG		
PLMN selection criteria:	The called user is not member of CUG.		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".		
ISDN parameter BC=UDI with V.110/X.30 rate adaption;		tion;	
	Facility IE with cUGCall invoke component:		
		OARequested set to TRUE	
		CUG Index included	
PLMN parameter values:			
Comments:			
230508	ISDN ref. to:	PLMN ref. to:	
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	ETS 300 138-1 [10],		
	subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementa	ry_services/UDI/CUG/TC230508	
ISDN selection criteria:	The calling user belongs to not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user belongs to options: <b>not IA; ICB</b>	The called user belongs to <b>the same</b> CUG with the following CUG supplementary options: <b>not IA; ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter	BC=UDI with V.110/X.30 ra	ate adaption;	
values:	Facility IE with cUGC	all invoke component:	
		OARequested set to TRUE CUG Index included	
PLMN parameter values:			
Comments:			

230509	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10]		
	subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementa	ry_services/UDI/CUG/TC230509	
ISDN selection	The calling user belongs to	a CUG with the following CUG supplementary options: OA;	
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to	the same CUG with the following CUG supplementary	
criteria:	options: not IA; ICB		
Test purpose:	Ensure that when the <b>calli</b> outgoing calls barred within belongs to the same CUG within the CUG, after the re- cUGCall invoke component call establishment is no user with cause value # 29 CallsBarredWithinCUG".	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption;		
values.	Facility IE with cUGCa	all invoke component:	
		OARequested set to FALSE	
		CUG Index included	
PLMN parameter			
values:			
Comments:			

230510	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4	ETS 300 569 [39]	
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/CUG/TC230510	
ISDN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
cinteria.			
PLMN selection criteria:	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>IA; ICB</b>		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter BC=UDI with V.110/X.30 rate adaption;		ption;	
values.	Facility IE with cUGCall invoke component:		
		OARequested set to FALSE CUG Index included	
PLMN parameter values:			
Comments:			

230511	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10],	
	subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CUG/TC230511
ISDN selection criteria:	CUG supplementary options: not C	)A; not OCB; not Pref. CUG
PLMN selection	Calling user and called user belong	g to the <b>same</b> CUG;
criteria:	CUG supplementary options: not I	A; not ICB
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included,	
	the called user receives a SETU index associated with the invoked (	JP message with a Facility IE which contains a CUG CUG.
ISDN parameter	BC=UDI with V.110/X.30 rate adaption;	
values:	Facility IE with cUGCall in	voke component:
		OARequested set to FALSE
		CUG Index included
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;
values:	Facility (Invoke =NotifySS (CU	JG-Index))
Comments:		

000004		
230601	ISDN ref. to:	PLMN ref. to:
	ETS 300 061-1 [11] subclause 9.2	
	EN 300 403-1 [1], subclause 4.5.9	ETS 300 557 [35], subclause 9.3.23.1.5
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/SUB/TC230601
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provide	d with SUB
Test purpose:	Ensure that when the Called party party subaddress is correctly delive	subaddress is provided by the calling user, the Called ered to the called (served) user
ISDN parameter values:	BC=UDI with V.110/X.30 rate adap	tion
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

230602	ISDN ref. to:	PLMN ref. to:
	ETS 300 061-1 [11],	
	subclause 9.2	ETS 300 557 [35], subclause 9.3.23.1.5
	EN 300 403-1 [1], subclause 4.5.9	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/SUB/TC230602
ISDN selection	SUB	
criteria:		
PLMN selection	The called (served) user is provided with SUB	
criteria:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter	BC=UDI with V.110/X.30 rate adap	tion
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

000704			
230701	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1	
		ETS 300 543 [31], subclause 1	
TSS reference:	ISDN-PLMN/Supplementary_servio	ces/UDI/CFU/TC230701	
ISDN selection criteria:	Call to a forwarding subscriber (CF	U)	
PLMN selection	The user B is in network N2 provid	ed with CFU ("calling user is notified of call diversion"	
criteria:	= <b>Yes</b> ). (Note 2)		
	-		
Test purpose:	Ensure that when user A calls user	r B, the call is forwarded to user C.	
	User A is notified of call divers	sion.	
	User <b>C</b> receives a SETUP message with the information that the incoming call is a		
	forwarded call.		
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption:	
values:			
C: ? BC=UDI with V.110/X.30 rate adaption:		te adaption:	
		······································	
PLMN parameter	CFU active		
values:			
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding	
	Supplementary_services are not in	line with the pr ETS 300 646-1, item 6.1.1.10	
	ETS 300 646-1, item 6.1.1.10 (MS	C acts like a diverting exchange according to	
	ETS 300 356-15).		
	The served mobile subscriber has 1	not the ability to decide if the indication that the	
	incoming call is a forwarded call is	s released to the diverted-to user.	

220702	ICDN rof to:	DI MNI ref. to.	
230702	ISDN ref. to:	PLWIN ret. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1	
		FTS 300 543 [31] subclause 1	
		15 500 545 [51], subchause 1	
TSS reference:	ISDN-PLMN/Supplementary_servin	ces/UDI/CFU/TC230702	
ISDN selection criteria:	Call to a forwarding subscriber (CF	U)	
PLMN selection	The user B is in network N2 provid	ed with CFU ("calling user is notified of call diversion"	
criteria:	<b>= No</b> ). (Note 2)		
Test purpose:	Ensure that when user A calls use	r B, the call is forwarded to user C.	
	User A is not notified of call di	version and not informed of the diverted-to number.	
	User C receives a SETUP message with the information that the incoming cal		
	forwarded call.		
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate	adaption;	
values:		4	
	C: $PBC=UDI$ with $V.110/X.30$ ra	te adaption;	
PLMN parameter	CFU active		
values:			
Comments:	s: EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding		
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10		
	ETS 300 646-1, item 6.1.1.10 (MS ETS 300 356-15).	C acts like a diverting exchange according to	
	The served mobile subscriber has a	not the ability to decide if the indication that the	
	incoming call is a forwarded call is	s released to the diverted to user	
		recused to the diverted-to user.	

230801	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementa	ry_services/UDI/CFB/TC230801	
ISDN selection criteria:	Call to a forwarding subsc	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> ;). (Note 2)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified of call diversion.		
	forwarded call.	or message with the mornation and the messing can is a	
ISDN parameter	A: I BC=UDI with V.110/X.30 rate adaption;		
values.	<b>C:</b> ? BC=UDI with V.110,	/X.30 rate adaption;	
PLMN parameter	CFB-UDUB active		
values:			

Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15)
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.

230802	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFB/TC230802	
ISDN selection	Call to a forwarding subscriber (Cl	FB)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion" = $No$ ) (Note 2)		
Test purpose:	Ensure that when user A calls busy	/ user B, the call is forwarded to user C.	
	User A is not notified of call diversion and not informed of the diverted-to number. User <b>C receives</b> a SETUP message with the information that the incoming call is a forwarded call.		
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;	
values:			
	C: ? BC=UDI with V.110/X.30 rate adaption;		
		······································	
PLMN parameter	CFB-UDUB active		
values:			
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding	
Supplementary services are not in line with the pr FTS 300 646		line with the pr ETS 300 646-1, item 6.1.1.10 (MSC	
	acts like a diverting exchange according to ETS 300 356-15).		
	The served mobile subscriber has r	not the ability to decide if the indication that the	
	incoming call is a forwarded call is	released to the diverted-to user.	

230803	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15]		
	subclause 9.2.2.	ETS 300 566 [37], subclause 2	
	subclause 9 2 4 3		
		ETS 300 543 [31], subclause 2	
	Subclause 5.2.5		
TSS reference:	ISDN-PLMN/Supplementary service	ces/UDI/CFB/TC230803	
ISDN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of	
criteria:	call diversion" = Yes: "notification t	to forwarding subscriber" <b>= Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls busy	v user B, the call is forwarded to user C.	
		,	
	User <b>A</b> is notified of call divers	sion.	
	User <b>B</b> is notified of call divers	sion	
	User <b>C receives</b> a SETUP message with the information that the incoming call is a		
	Iorwarded call.		
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;	
values:			
	C: ? BC=UDI with $V.110/X.30$ rates	te adaption;	
PLMN parameter	CFB-NDUB active		
values:			
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding		
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10		
	ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to		
	ETS 300 356-15).		
	The served mobile subscriber has a	not the ability to decide if the indication that the	
incoming call is a forwarded call is released to the diverted to use		released to the diverted to user	
	incoming can is a forwarded call is		

230804	ISDN ref. to:	PLMN ref. to:	
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	E1S 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_s	ervices/UDI/CFB/TC230804	
ISDN selection criteria:	Call to a forwarding subscriber	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" <b>= No</b> ; "notification to forwarding subscriber" <b>= No</b> ). (Note 2)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number. User <b>B</b> is not notified of call diversion.		
	User <b>C receives</b> a SETUP forwarded call.	message with the information that the incoming call is a	

ISDN parameter values:	<ul><li>A: ! BC=UDI with V.110/X.30 rate adaption;</li><li>C: ? BC=UDI with V.110/X.30 rate adaption;</li></ul>
PLMN parameter values:	CFB-NDUB active
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15)
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.

	1		
230901	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15], subclause 9.		
	2.2,	ETS 300 566 [37], subclause 3	
	subclause 9.2.4.4,		
	subclause 9.2.5	ETS 300 543 [31], subclause 3	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFNRy/TC230901	
ISDN selection	Call to a forwarding subscriber (CF	NRy)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = Yes, "notification to fo	rwarding subscriber" = Yes). (Note 2)	
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers	A is notified of call diversion. The presentation of the diverted-to number is	
allowed accordance with the COLR supplementary service of the divert User <b>B</b> is notified of call diversion.		R supplementary service of the diverted-to user.	
		ion.	
	User <b>C receives</b> a SETUP message with the information that the incoming of		
	forwarded call.		
ISDN parameter	A: I BC=UDI with V 110/X 30 rate adaption:		
		duaption,	
values.	C: ? BC=UDI with V.110/X.30 rate adaption;		
PLMN parameter	CFNRy active		
values:			
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding		
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC		
	acts like a diverting exchange according to ETS 300 356-15).		
	The served mobile subscriber has not the ability to decide if the indication that the		
	incoming call is a forwarded call is released to the diverted-to user.		

230902	ISDN ref. to:	DI MN ref to:	
200002	ETE 200 207 4 [15]	FLIMIN ICI. IO.	
	E 13 300 207 - 1 [13],	FTS 300 566 [37] subclause 3	
	Subclause 9.2.2,	L15 500 500 [57], subchause 5	
	SUDCIAUSE 9.2.4.4,	FTS 300 543 [31] subclause 3	
	Subclause 9.2.5		
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/CFNRy/TC230902	
ISDN selection	Call to a forwarding subscriber (CI	FNRy)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = <b>No</b> "notification to forw	warding subscriber" <b>= No</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls use	r B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call d	iversion and not informed of the diverted-to number.	
	User <b>B</b> is not notified of call diversion.		
	User <b>C receives</b> a SETUP message with the information that the incoming call is a forwarded call		
	lorwarded can.		
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate	adaption;	
values:			
	<b>C: ?</b> BC=UDI with V.110/X.30 rate adaption;		
PLMN parameter	CFNRy active		
values:			
Comments:	EDITORS NOTE 2: Stage 1, 2 and	3 descriptions of the call forwarding	
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1 acts like a diverting exchange according to ETS 300 356-15)		
The served mobile subscriber has not the ability to decide if the indication to incoming call is a forwarded call is released to the diverted-to user.		not the ability to decide if the indication that the	
		s released to the diverted-to user.	
	e		

231001	ISDN ref. to:	PI MN ref. to:
231001		
	ETS 300 207-1 [15], subclause 9.	
	2.2,	E1S 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFNRc/TC231001
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion" = <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user B, <b>if detached</b> , the call is forwarded to user C. User A is notified of call diversion.	
User <b>C receives</b> a SETUP message with the information that the ind		sage with the information that the incoming call is a
	forwarded call	
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate adaption;	
values:	<b>C</b> • <b>?</b> BC-UDI with V 110/X 30 rate adaption:	
PLMN parameter	CFNRc active, the user is detached	
values:		

Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding
	Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC
	acts like a diverting exchange according to ETS 300 356-15). The served mobile
	subscriber has not the ability to decide if the indication that the incoming call is a
	forwarded call is released to the diverted-to user.

231002	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFNRc/TC231002
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" <b>= No</b> ). (Note 2)	
Test purpose:	<ul> <li>Ensure that when user A calls user B, if detached the call is forwarded to user C.</li> <li>User A is not notified of call diversion and not informed of the diverted-to number.</li> <li>User C receives a SETUP message with the information that the incoming call is a forwarded call.</li> </ul>	
ISDN parameter values:	A: ! BC=UDI with V.110/X.30 rate adaption;	
	C: : BC = ODI  with  V.110/A.50  far	le adaption;
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

231101	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.1,	ETS 300 557 [35], subclause 10.5.4.25,
	subclause 9.1.2.1	
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/UUS1/TC231101
ISDN selection	The calling (served) user is provided with UUS1 implicit request	
criteria:		
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231102	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.1	ETS 300 557 [35], subclause 10.5.4.25
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/UDI/UUS1/TC231102
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231103	PLMN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.2.1a	ETS 300 557 [35], subclause 10.5.4.25
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_servic	es/UDI/UUS1/TC231103
ISDN selection criteria:	The calling (served) user is <b>provided</b> with UUS1 implicit request	
PLMN selection	UUS1i	
criteria:		
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231104	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13]	
	subclause 9.1.2.2.1b	ETS 300 557 [35], subclause 10.5.4.25
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	ISDN-PLMN/Supplementary_service	ces/UDI/UUS1/TC231104
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231105	ISDN ref. to: ETS 300 286-1 [13]	PLMN ref. to:
	subclause 9.1.1.2.2	ETS 300 557 [35], 10.5.4.25
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/UUS1/TC231105
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria:	UUS1i	
Test purpose:	The requested UUS is not supported in Network B	
	Verify that UUI can be discarded b	y the network without disrupting normal call handling
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

231201	ISDN ref. to:	PI MN ref. to:
201201	ETS 300 207-1 [15]	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/CFU_CLI_COL/TC231201
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> ). (Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is notified of call diversion.	
	The presentation of the diverte supplementary service of the diver	d-to number is allowed accordance with the COLR ted-to user.
	User C can receive the <i>Redire</i>	cting number IE giving the reason for call diversion
	with the presentation indicator set	to "presentation allowed".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate	adaption;
values:	<b>C:</b> ? BC=UDI with V.110/X.30 ra	te adaption;
PLMN parameter values:	CFU active	

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message.
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231202	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15]	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFU_CLI_COL/TC231202
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> ).(Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers	ion.
	The presentation of the diverted	d-to number is <b>not</b> allowed accordance with the COLR
	supplementary service of the divert	leu-to user.
	User C can receive the <i>Redirec</i>	ting number IE giving the reason for call diversion
	with the presentation indicator set	to "presentation allowed".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;
values:	<b>C:</b> ? BC=UDI with V.110/X.30 rat	te adaption;
PLMN parameter values:	CFU active	

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231203	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_service	ces/UDI/CFU/TC231203
ISDN selection criteria:	The user A and the user C are in n provided with CLIP.	etwork N1. User A is provided with COLP, user C is
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" <b>= No</b> ) and <b>CLIR</b> . (Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is not notified of call di	version and not informed of the diverted-to number.
	User C can receive the <i>Redirec</i>	ting number IE giving the reason for call diversion
	with the presentation indicator set	to "presentation restricted".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;
values:	<b>C:</b> ? BC=UDI with V.110/X.30 rat	te adaption;
PLMN parameter values:	CFU active	

	· · · ·
Comments:	User A is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

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231301	ISDN rof to:	PLMN rof to:
231301		
	ETS 300 207-1[15]	ETS 200.566 [27] subslauge 2
	subclause 9.2.2,	E15 500 500 [57], subclause 2
	subclause 9.2.4.3,	
	subclause 9.2.5	ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/CFB_CLI_COL/TC231301
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PI MN selection	The user B is in network N2 and is provided with CEB- <b>LIDUB</b> ("calling user is notified of	
criteria:	call diversion" = <b>Yes</b> ;). (Note 2)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A is notified of call diver	sion.
	The presentation of the diverte	d-to number is allowed accordance with the COLR
	supplementary service of the diver	ted-to user.
	User C can receive a SETUP n	nessage containing one <i>Redirecting number</i> IE giving
	the reason for call diversion with t	he presentation indicator set to "presentation allowed".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate	adaption;
values:	<b>C:</b> ? BC=UDI with V.110/X.30 ra	te adaption;
PLMN parameter values:	CFB-UDUB active	

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed"
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15)
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231302	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFB_CLI_COL/TC231302
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> ).(Note 2)	
Test purpose:	purpose:Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is notified of call divers	sion.
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	User C can receive the <i>Redirec</i> with the presentation indicator set	<i>ting number</i> IE giving the reason for call diversion to "presentation allowed".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;
values:	<b>C:</b> ? BC=UDI with V.110/X.30 rat	te adaption;
PLMN parameter	CFB-UDUB active	

	-
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231303	ISDN ref. to:	PI MN ref. to:
201000	ETS 200 207 1 [15]	
	E 13 300 207-1 [13]	FTS 300 566 [37] subclause 2
	subclause 9.2.2,	E15 500 500 [57], subclause 2
	subclause 9.2.4.3,	FTS 300 5/13 [31] subclause 2
	Subclause 9.2.5	L15 500 545 [51], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFB_CLI_COL/TC231303
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with COLP, user C is
criteria:	provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion" = No) and CLIR. (Note 2)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A is not notified of call di	version and not informed of the diverted-to number.
	User C can receive <i>Redirecting</i>	<b>number</b> IE giving the reason for call diversion with
	the presentation indicator set to "pr	resentation restricted"
	the presentation indicator set to pr	eschation restricted .
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;
values:		
	<b>C:</b> ? BC=UDI with V.110/X.30 rat	e adaption;
PLMN parameter	CFB-UDUB active	
values:		

Comments:	User A is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231304	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15]		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	ISDN-PLMN/Supplementary_ser	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231304	
ISDN selection	The user A and the user C are in	The user A and the user C are in network N1. User A is provided with COLP, user C is	
criteria:	provided with CLIP.		
PLMN selection	The user B is in network N2 and	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of	
criteria:	call diversion" = Yes; "notification to forwarding subscriber" = Yes). (Note 2)		
Test purpose:	Ensure that when user A calls bu	usy user B, the call is forwarded to user C.	
	User A is notified of call dive	ersion.	
	The presentation of the diverted-to number is allowed accordance with the COLR		
	supplementary service of the div	erted-to user.	
	User C can receive the <i>Redi</i>	recting number IE giving the reason for call diversion	
	with the presentation indicator se	et to "presentation allowed".	
	User <b>B</b> is notified of call dive	ersion.	
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate adaption;		
values:			
	<b>C:</b> ? BC=UDI with V.110/X.30	rate adaption;	
PLMN parameter	CFB-NDUB active		
values:			

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message.
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	User <b>B</b> is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification ]) message of call diversion.
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231305	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/CFB_CLI_COL/TC231305
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> , "notification to forwarding subscriber" = <b>Yes</b> ). (Note 2)	
Test purpose:	e: Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers	sion
	The presentation of the diverted supplementary service of the diver	d-to number is <b>not</b> allowed accordance with the COLR ted-to user.
	User C can receive the <i>Redirec</i>	cting number IE giving the reason for call diversion
	with the presentation indicator set	to "presentation allowed".
	User <b>B</b> is notified of call divers	sion.
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate a	adaption;
values:	<b>C: ?</b> BC=UDI with V.110/X.30 ra	te adaption;
PLMN parameter	CFB-NDUB active	
values.		

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C <b>can receive</b> a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	User <b>B</b> is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification ]) message of call diversion.
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231306	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15]	
	subclause 9.2.2,	ETS 300 566 [37], subclause 2
	subclause 9.2.4.3,	
	subclause 9.2.5	ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/CFB_CLI_COL/TC231306
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" <b>= No</b> ;"notification to forwarding subscriber" <b>= No</b> ) and <b>CLIR</b> . (Note 2)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A is not notified of call d	iversion and not informed of the diverted-to number.
	User C can receive the <i>Redire</i>	cting number IE giving the reason for call diversion
	with the presentation indicator set	to "presentation restricted".
	User <b>B</b> is not notified of call di	iversion.
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate	adaption;
values:	<b>C:</b> ? BC=UDI with V.110/X.30 ra	te adaption;

PLMN parameter values:	CFB-NDUB active
Comments:	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15)
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

221401	ICDN ref. to:	DI MNI ref. to.
231401	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 9.2.2	
	,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4.	
	subclause 9.2.5	ETS 300 543 [31]. subclause 3
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFNRy_CLI_COL/TC231401
		-
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with COLP, user C is
criteria:	provided with CLIP.	·
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call
criteria:	diversion" = Yes. "notification to forwarding subscriber" = Yes). (Note 2)	
ontonial	,	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User <b>A</b> is notified of call divers	ion. The presentation of the diverted-to number is
	allowed accordance with the COLE	supplementary service of the diverted to user
	anowed accordance with the COLI	supplementary service of the diverted-to user.
	User C can receive the <i>Redirec</i>	ting number IF giving the reason for call diversion
	User C can receive the Reduced	
	with the presentation indicator set t	o "presentation allowed"
		•
	User <b>B</b> is notified of call divers	10n.
ISDN narameter	A: I BC-LIDI with V 110/X 30 rate a	adaption:
	<b>A.</b> 1 DO=0D1 with V.110/A.30 fate a	idaption,
values.	C. 2 PC-UDI with V 110/V 20 rat	a adaption.
	C: : BC=0DI with V.110/A.30 lat	e adaption,
PLMN parameter	CFNRv active	
values:		
values.		

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message. User <b>C can receive</b> a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed"
	User <b>B</b> is notified with a NOTIFY (Invoke = NotifySS [CFNRy, SS-Notification ]) message of call diversion.
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231402	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRy_CLI_COL/TC231402	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion" = <b>Yes</b> , "notification to forwarding subscriber" <b>= Yes</b> ).(Note 2)	
Test purpose:	<ul> <li>Ensure that when user A calls user B, the call is forwarded to user</li> <li>C.</li> <li>User A is notified of call diversion.</li> <li>The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.</li> <li>User C <b>can receive</b> a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".</li> <li>User B is notified of call diversion.</li> </ul>	
ISDN parameter values:	A: ! BC=UDI with V.110/X.30 rate a C: ? BC=UDI with V.110/X.30 rate	adaption; te adaption;
PLMN parameter values:	CFNRy active	

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary carries of the diverted to user
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	User <b>B</b> is notified with a FACILITY (Invoke = NotifySS [CFNRy, SS-Notification ]) message of call diversion.
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231403	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementa	ry_services/UDI/CFNRy_CLI_COL/TC231403
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = <b>No</b> "notification to forwarding subscriber" = <b>No</b> ) and <b>CLIR</b> . (Note 2)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User A is not notified of	of call diversion and not informed of the diverted-to number.
	User C can receive the	Redirecting number IE giving the reason for call diversion
	with the presentation indicate	ator set to "presentation restricted".
	User <b>B</b> is not notified of	of call diversion.
ISDN parameter	A: ! BC=UDI with V.110/X.	30 rate adaption;
values:	<b>C: ?</b> BC=UDI with V.110/	X.30 rate adaption;

PLMN parameter values:	CFNRy active
Comments:	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
User <b>C</b> can receive a SETUP message containing one <i>Redirecting nu</i> the reason for call diversion with the presentation indicator set to "present restricted".	
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15)
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

231501	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 9.2.2 , subclause 9.2.4.4, subclause 9.2.5	ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
	0000100000.2.0	
TSS reference:	ISDN-PLMN/Supplementary_servic	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = <b>Yes</b> ). (Note 2)	
Test purpose:	<ul> <li>Ensure that when user A calls user B, if detached, the call is forwarded to user C.</li> <li>User A is notified of call diversion.</li> <li>The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user.</li> <li>User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".</li> </ul>	
ISDN parameter values:	A: ! BC=UDI with V.110/X.30 rate a C: ? BC=UDI with V.110/X.30 rat	adaption; e adaption;
PLMN parameter values:	CFNRc active, the user is detached	3

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS (state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS (state N04) message.
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

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231502	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CFNRc_CLI_COL/TC231502
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion" = <b>Yes</b> ).(Note 2)	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User A is notified of call diversion.	
	The presentation of the diverted supplementary service of the divert	1-to number is <b>not</b> allowed accordance with the COLR ted-to user.
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diver	
	with the presentation indicator set f	to "presentation allowed".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate adaption;	
values:	<b>C:</b> ? BC=UDI with V.110/X.30 rat	te adaption;
PLMN parameter	CFNRc active, the user is detached	
values:		

Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.
	The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15).
	The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.

	1	
231503	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	ETG 200 566 [27]
	subclause 9.2.2,	E15 300 500 [37], subciause 5
	subclause 9.2.4.4, subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary service	ces/UDI/CFNRc CLI COL/TC231503
	······································	
ISDN selection criteria:	The user A and the user C are in n provided with CLIP.	etwork N1. User A is provided with COLP, user C is
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" <b>= No</b> ) and <b>CLIR</b> .(Note 2)	
Test purpose:	Ensure that when user A calls user	B, if detached the call is forwarded to user C.
	User A is not notified of call di	version and not informed of the diverted-to number.
	User <b>C</b> can receive the <i>Redirec</i>	cting number IE giving the reason for call diversion
	with the presentation indicator set t	to "presentation restricted".
ISDN parameter	A: ! BC=UDI with V.110/X.30 rate adaption;	
values:	C: ? BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.	
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE gives the reason for call diversion with the presentation indicator set to "presentation restricted".	
	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	
	The setting of the <u>redirecting number</u> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

231601	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
		ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_servic	es/UDI/CUG_CFU/TC231601
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A, ISDN user C and PLMN user B belong to the same CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is successful.	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption	
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

231602	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
		ETS 200 518 [20]
		LIS 500 518 [50]
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/CUG_CFU/TC231602
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. ISDN user C does not belong to the CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter		
values:		
Comments:	On PLMN side CUG SS according	to the Stage 1 description.

231603	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10]		
		ETS 300 518 [30]	
TSS reference:	ISDN-PLMN/Supplementary_s	services/UDI/CUG_CFU/TC231603	
ISDN selection criteria:	CUG	CUG	
PLMN selection criteria:	CUG, CFU		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally B has the CUG parameter OA = "allowed" and an active call forwarding to ISDN user C. C is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".		
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption		
PLMN parameter values:			
Comments:	On PLMN side CUG SS accor	ding to the Stage 1 description.	

231604	ISDN ref. to: ETS 300 138-1 [10]	PLMN ref. to:
		115 500 510 [50]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC231604	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C, which is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according	to the Stage 1 description.

231605	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
		ETS 200 518 [20]
		E13 500 518 [50]
<b>T</b> 00		
155 reference:	Supplementary_servic	3es/UDI/CUG_CFU/1C231605
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A, PLMN user B and ISDN user C belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C. Ensure that a call establishment is successful but the OA indicator is not provided to C.	
ISDN parameter values:	BC = UDI with V.110/X.30 rate adaption	
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption	
values:		•
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

## NON-SYMMETRICAL TESTS

240101	ISDN ref. to: ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	PLMN ref. to: 300 646-1, subclause 6.1.1.4	
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC240101		
ISDN selection criteria:	UU1e	UU1e	
PLMN selection criteria:	UUS is implicit rejected		
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not- essential).Verify that the UUS service 1 explicit can be correctly implicitly rejected in the PLMN.		
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption		
PLMN parameter values:			
Comments:			

240102	ISDN ref. to: ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	<b>PLMN ref. to:</b> 300 646-1, subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_servic	es/UDI/UUS1/TC240102
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not-essential). Verify that the UUS1 is explicitly discarded without disrupting the call establishment.	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240103	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	300 646-1, subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/UUS1/TC240103
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	The calling (served) user is provided with UUS1 explicit request as required (essential). Ensure that after explicit request of UUS1 indicating "required", the destination network rejects the UUS1 request and initiates call clearing to the calling user with cause value	
	#69 "requested facility not implem	ented" or cause value #29 "facility rejected".
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240104	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS2/TC240104	
ISDN selection criteria:	UUS2	
PLMN selection	UUS is implicit rejected	
cillena.		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as preferred	
	(not-essential). Verify that the UUS	S2 implicit network rejection can be correctly handled.
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

240105	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_servi	ces/UDI/UUS2/TC240105
ISDN selection	UUS2	
criteria:		
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as preferred	
	(not-essential). Verify that the UU establishment.	S 2 is explicitly discarded without disrupting the call
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

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240106	ISDN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_ser	vices/UDI/UUS1/TC240106	
ISDN selection	UUS2		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The calling (served) user is provided with UUS2 explicit request as required		
	(essential). Ensure that after explicit request of UUS2 indicating "required", the destination network rejects the UUS2 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility		
	rejected".		
	- <b>J</b>		
ISDN Parameter	BC=UDI with V.110/X.30 rate ad	aption	
values:			
PLMN parameter			
values:			
Comments:			

240107	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_servic	ces/UDI/UUS3/TC240107
ISDN selection	UUS3	
criteria:		
PLMN selection	UUS is implicit rejected	
criteria:		
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred (not- essential), request during call establishment.	
	To verify that the UUS3 implicit ne	etwork rejection can be correctly handled.
ISDN Parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

i		
240108	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4
	EN 300 403-1 [1], subclause 7	
TSS reference:	ISDN-PLMN/Supplementary_servic	es/UDI/UUS3/TC240108
ISDN selection criteria:	UUS3	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred	
	(not-essential), request during call establishment. Verify that the UUS3 is explicitly discarded without disrupting the call establishment.	
ISDN Parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

240109	ISDN ref. to:	PLMN ref. to:	
	ETS 300 286-1 [13],		
	subclause 9.1.1.2.2	ETS 300 646-1 subclause 6.1.1.4	
	EN 300 403-1 [1], subclause 7		
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS3/TC240109		
ISDN selection	UUS3		
criteria:			
PLMN selection			
Test purpose:	I ne calling (served) user is provided with 0053 explicit request as required		
	(essential), request during call establishment.		
	Ensure that after explicit request of rejects the UUS3 request and initia #69 "requested facility not implem	f UUS3 indicating "required", the destination network tes call clearing to the calling user with cause value ented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC= UDI with V.110/X.30 rate adaption		
PLMN parameter			
values:			
Comments:			

240201	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/Call Barring/TC240201	
ISDN selection criteria:		
PLMN selection criteria:	The Network B supports BAIC.	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption	
PLMN parameter		
values:		
Comments:	EDITORS NOTE 3: The cause valu	e with witch the call shall be rejected is not defined.
240202	ISDN ref. to:	PLMN ref. to:
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	EN 300 403-1 [1]	
TCC references	ISON DI MN/Supplementany, convi	
155 reference:	SUN-PLIMIN/Supplementary_servic	es/ODI/Call Barring/1C240202
ISDN selection		
criteria:		
PLMN selection	The Network B supports barring of	all incoming calls BAIC and barring of incoming calls
criteria:	when roaming outside the home Pl	_MN country (BIC-Roam). The MS is roaming outside
	the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming	
	outside the home PLMN country w	as already activated, barring of incoming calls when
	roaming outside the nome PLIVIN c	ountry will be deactivated and barring of all incoming
	Call establishment is not possible a	nd the network initiate call clearing to the calling user.
ISDN parameter	BC- UDI with V 110/X 30 rate ada	ation
values:		5.01
PLMN parameter		
values:		
Comments:	EDITORS NOTE 3: The cause value	e with witch the call shall be rejected is not defined.

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

# B-channel end-to-end performance

	· · · · · · · · · · · · · · · · · · ·	
310101	ISDN ref. to:	PLMN ref. to: ETS 300 557 [35]
	EN 300 403-1 [1]	
		ITU-T Rec. G. 101
TSS reference:	ISDN-PLMN/ B-channel end-	to-end performance /Speech/TC310101
ISDN selection criteria:	B - channel transmission	
PLMN selection criteria:	Voice transmission	
Test purpose:	To ensure that speech transf	er on the B-channel is performed correctly.
ISDN parameter values:	BC= speech	
PLMN parameter		
values:		
Comments:	The tests should be based of I.	n the E-Model described in the ITU-T Rec. G. 101, Appendix

310201	ISDN ref. to:	PLMN ref. to: ETS 300 557 [35]
	EN 300 403-1 [1]	
		ITU-T Rec. G. 101
TSS reference:	ISDN-PLMN/ B-channel end-to-end	d performance /3,1 kHz audio/TC310201
ISDN selection criteria:	B - channel transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that speech transfer on	the B-channel is performed correctly.
ISDN parameter values:	BC= 3,1 kHz audio	
PLMN parameter values:		
Comments:	The tests should be based on the E I.	E-Model described in the ITU-T Rec. G. 101, Appendix

310301	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	ISDN-PLMN/ B-channel end-to-e	nd performance /UDI/TC310301
ISDN selection criteria:	B - channel transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.	
ISDN parameter values:	BC = UDI, V.110/X.30 synchronous mode; PRBS=2 <sup>11</sup> -1	
PLMN parameter values:		
Comments:	The tests should be based on the	e requirements described in the ETS 300 578 [55]

## 6.2.4 Test purposes for PSTN-PLMN, Basic call

#### 6.2.4.1 Successful

Successful	
PSTN	

410101	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35] ETS 300 604 [42], subclause 9.2.2 a,
		subclause 10.2.2
TSS reference:	PSTN-PLMN/Basic_call/Successfu	I/TC410101
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that call is delivered to the called PLMN user correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

44.04.00		
410102	PSIN ref. to:	PLWN ref. to:
	ETS 300 001	
		FTS 300 557 [35] subclause 5.2.2
		L15 500 557 [55], subclause 5.2.2
		ETS 300 604 [42], subclause 9.2.2 b
TSS reference:	PSTN-PLMN/Basic_call/Successfu	I/TC410102
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria <sup>.</sup>		
	Ensure that call is delivered to the called DI MN year correctly (single numbering	
Test purpose:	Ensure that call is delivered to the called PLININ user correctly (single-numbering	
	scheme).	
PSTN parameter		
values.		
values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

410103	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.2
		ETS 300 604 [42], subclause 9.2.2 a, subclause 10.2.2
TSS reference:	PSTN-PLMN/Basic_call/Succe	ssful/TC410103
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS	11
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the call after answering.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile w stored in the VLR	ill contain a GSM BC mapped from the BC/LLC/HLC

410104	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35]
		ETS 300 604 $[42]$ subclause 0.2.2 a
		113 500 004 [42], subclause 9.2.2 a,
		subclause 10.2.2
TSS reference:	PSTN-PLMN/Basic_call/Successfu	I/TC410104
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
	Ensure that the clearing precedure is performed correctly when the colled DLMN year	
Test purpose:	Ensure that the cleaning procedure is performed correctly when the called PLININ user	
	clears the call after answering	
2071		
PSIN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will co	ontain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR	• •

#### 6.2.4.2 Unsuccessful

# PSTN

# UNSUCCESSFUL

420101	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsucces	ssful/TC420101
PSTN selection criteria:	Call establishment to a PLMN use	r
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is busy (UDUB), the calling user receives a busy tone	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile w stored in the VLR.	ill contain a GSM BC mapped from the BC/LLC/HLC
	COMPLETE (#17 "user busy").	ssage, the MS replies immediately with a RELEASE

100100		
420102	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsucces	sful/TC420102
PSTN selection	Call establishment to a PLMN use	r
criteria:		
PLMN selection		
critoria:		
Test purpose:	Ensure that when the called PLMN	user is busy (NDUB), the calling user receives a busy
	tone	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

420103	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	ETS 300 599 [41], subclause 18.2, subclause 18.3.2
		ETS 300 557 [35], Annex H.1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsucces	ssful/TC420103
PSTN selection criteria:	Call establishment to a PLMN use	)r
PLMN selection criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #20 "Subscriber absent". The calling user receives a announcement that the called number cannot be reached.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

420104	PSTN ref. to:	PLMN ref. to: ref. to:
	ETS 300 001	
	210 000 001	ETC 200 557 [25]
		E15 300 557 [55]
TSS reference:	PSTN-PLMN/Basic_call/Unsucces	sful/TC420104
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when calling to unallocated PLMN number, the calling user receives in-band	
root puipecei	information that the called number is unallocated	
PSTN parameter		
values:		
PLMN parameter		
values		
values.		
Comments:		

420105	PSTN ref. to:	PI MN ref. to:
420100		
	ETS 300 001	
		ETS 300 557 [35]
TSS reference:	PSTN-PLMN/Basic_call/Unsuccess	sful/TC420105
PSTN selection	Call establishment to a PLMN user	
criteria:		
PI MN selection	Multi-numbering Scheme TS 11	
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user, the call is cleared. The called user is cleared with cause value # 16 "normal call clearing".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:	-	
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

420106	PSTN ref. to: ETS 300 001	PLMN ref. to:
TSS reference:	PSTN-PLMN/Basic_call/Unsuccess	ful/TC420106
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is alerted by not answering before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause # 102 "recovery on timer expire" or cause # 31 "normal, unspecified".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will co stored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

420107	PSTN ref. to:	PLMN ref. to:
		ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsuccess	sful/TC420107
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that when the called PLMN user (single-numbering scheme) is busy (UDUB), the calling user receives a free tone followed by a busy tone	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	
	After receiving the SETUP messag COMPLETE (#17 "user busy")	e, the MS replies immediately with a RELEASE

420108	PSTN ref. to:	PI MN ref. to:
420100		
	E15 300 001	
		ETS 300 557 [35]
TSS reference:	PSTN-PLMN/Basic_call/Unsuccess	sful/TC420108
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user (single-numbering scheme), the call is cleared. The called user is cleared with cause value # 16 "normal call clearing".	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will no	ot contain a GSM BC element.

420109	PSTN ref. to:	PI MN ref. to:. to:
	ETS 300 001	
	213 300 001	
TSS reference:	PSTN-PLMN/Basic_call/Unsuccess	ful/TC420109
PSTN selection criteria:	Call establishment to a PLMN user	
PI MN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:	Ensure that when the called PLMN user is alerted (single-numbering scheme) but not answers before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause # 102 "recovery on timer expire" or cause # 31 "normal, unspecified".	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will no	t contain a GSM BC element.

420110	PSTN ref. to: ETS 300 001	PLMN ref. to:
		ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsucces	sful/TC420110
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is busy (UDUB) after being alerted, the calling user receives a free tone followed by a busy tone	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the calle	ed user sends a DISCONNECT (#17 "user busy").

## 6.2.5 Test purposes for PSTN-PLMN, Supplementary\_services

# Supplementary\_services

## PSTN

510101	PSTN ref. to:	PI MN ref. to:
516161	ETS 300 001	
	E13 300 001	ETS $300.557$ [35] subclause $10.5.4.9$
		E15 500 557 [55], subclause 10.5.4.7
		ETS 200 565 [26]
		E15 500 505 [50],
TSS reference:	PSTN-PLMN/Supplementary_servi	ces/CLIP/TC510101
PSTN selection	Call to a PLMN user	
criteria:		
PLMN selection	The called user is provided with CLIP	
criteria:		
Test purpose:	Ensure that the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter		
values:		
PLMN parameter	Calling party number: PI=PA, SI=NP, TON= national / international number NPI=	
values:	ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25] )	
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

510201	PSTN ref. to:	PLMN ref. to:
	E 15 300 649	ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10
		ETS 300 565 [36], subclause 1
		ETS 300 542 [57], subclause 1
TSS reference:	PSTN-PLMN/Supplementary_servi	ces/CLIR/TC510201
PSTN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CL	IP
Test purpose:	Ensure that the Calling party number information element is delivered to the called user without any digit information.	
PSTN parameter values:		
PLMN parameter values:	Calling party number: PI=PR, SI=N	IP, TON=unknown, NPI=unknown
Comments:		

510301	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10], subclause 9.2.3	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	PSTN-PLMN/Supplementar	PSTN-PLMN/Supplementary_services/CUG/TC510301	
PSTN selection criteria:	CUG	CUG	
PLMN selection criteria:	CUG with incoming access	CUG with incoming access "not allowed".	
Test purpose:	Ensure that when the called user belongs to a CUG with incoming access "not allowed" and the calling user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not member of CUG".		
PSTN parameter values:			
PLMN parameter values:			
Comments:			

510401	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
	E10 000 001	ETS 200 566 [27] $aubalausa 1$
		E15 500 500 [57], subclause 1
		ETS 300 543 [31]. subclause 1
TSS reference:	PSTN-PLMN/Supplementary ser	vices/CEU/TC510401
PSTN selection	Call to a forwarding subscriber (C	:F(J)
critoria		
PLMN selection	CFU	
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in	
	network N2 and is provided with CEU. Ensure that when user A calls user B the call is	
	forword d to upor C	
	forwarded to user C.	
DCTN noromotor		
PSTN parameter		
values:		
PLMN parameter	CFU active	
values:		
Commonte:		
comments.		

510501	PSTN ref. to:	PI MN ref. to:
010001	ETS 200 001	
	E13 300 001	ETS 300 566 [37], subclause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PSTN-PLMN/Supplementary_servi	ces/CFB/TC510501
PSTN selection criteria:	Call to a forwarding subscriber (CF	В)
PLMN selection criteria:	CFB-UDUB	
Test purpose:	The PSTN user A and the PSTN user C are in network N1.	
	The PLMN user B is in network N2 and is provided with CFB-UDUB.	
	Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion.	
PSTN parameter values:		
PLMN parameter values:	CFB-UDUB active	
Comments:		

E10E00	DOTN rof to:	DI MNI ref. to.
510502	PSIN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 566 [37], subclause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PSTN-PLMN/Supplementary servi	ces/CFB/TC510502
PSTN selection	Call to a forwarding subscriber (CF	B)
criteria:	<b>5</b> (	,
PL MN selection	CEB-NDUB Notification to forward	ing subscriber -Ves
	CFD-NDOD. Notification to forwarding subscriber = Yes	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the	
	notification to forwarding subscriber is set to yes.	
	C C	
	Ensure that when user A calls busy	user B, the call is forwarded to user C. User B is
	notified of call diversion	
	notified of earl diversion.	
PSTN parameter		
voluee:		
values:		
PLMN parameter	CFB-NDUB active	
values:		
Comments:		

510503	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 566 [37], subclause 2	
		ETS 300 543 [31], subclause 2	
T00			
155 reference:	PSTN-PLIMN/Supplementary_s	ervices/CFB/1C510503	
PSTN selection	Call to a forwarding subscriber	(CFB)	
criteria:			
PLMN selection	CFB-NDUB. Notification to forw	CFB-NDUB. Notification to forwarding subscriber =No	
criteria:			
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the		
	notification to forwarding subscriber is set to no.		
	Ensure that when user A calls h	usy user <b>B</b> the call is forwarded to user <b>C</b> . User <b>B</b> is not	
	notified of call diversion.	usy user <i>D</i> , the can is forwarded to user <i>C</i> . Oser <i>D</i> is not	
PSTN parameter			
values:			
PLMN parameter	CFB-NDUB active		
values:			
Comments:			

510601	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 566 [37], subclause 3
		ETS 300 543 [31], subclause 3
T00	DOTNI DI MNI/Quertamentame agri	
155 reference:	PSTN-PLININ/Supplementary_servi	Ces/CFNRy1C510601
PSTN selection	Call to a forwarding subscriber (CF	NRy)
PI MN selection	CENRy Notification to forwarding	subscriber =Yes
criteria:	or may. Notification to forwarding subscriber – res	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to yes	
	notification to forwarding subscribe	ci is set to yes.
	Ensure that if user A calls user B x	who does not answered the call is forwarded to user C
	User B is notified of call diversion	vito does not unswered, the can is forwarded to user C.
	oser bis notified of call diversion.	
PSTN parameter		
values:		
PLMN parameter	CFNRy active	
values:		
Comments:		

510602	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001	ETS 300 566 [37], subclause 3	
		ETS 300 543 [31], subclause 3	
TSS reference:	PSTN-PLMN/Supplementary_s	ervices/CFNRyTC510602	
PSTN selection criteria:	Call to a forwarding subscriber	(CFNRy)	
PLMN selection criteria:	CFNRy. Notification to forwardi	CFNRy. Notification to forwarding subscriber = No	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to no.		
	Ensure that if user A calls user User B is not notified of call di	B, who does not answered, the call is forwarded to user C. version.	
PSTN parameter values:			
PLMN parameter values:	CFNRy active		
Comments:			

510701	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 566 [37], subclause 4	
		E15 300 543 [31], subclause 4	
TSS reference:	PSTN-PLMN/Supplementary	/_services/CFNRcTC510701	
PSTN selection criteria:	Call to a forwarding subscrib	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	CFNRc		
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The PLMN user B is in netw	ork N2 and is provided with CFNRc.	
	Ensure that when user A call	s user B, if detached, the call is forwarded to user C.	
PSTN parameter values:			
PLMN parameter values:	CFNRc active		
Comments:			

#### NON-SYMMETRICAL TESTS

520101	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to:
TSS reference:	PSTN-PLMN/Supplementary_s	services/Call barring service/TC520101
PSTN selection criteria:		
PLMN selection criteria:	The Network B supports BAIC.	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible and the network initiate call clearing to the calling user.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause	value with witch the call shall be rejected is not defined.

520102	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 548 [34]
TSS reference:	PSTN-PLMN/Supplementary_services/Call barring service/TC520102	
PSTN selection criteria:		
PLMN selection criteria:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated.	
	Call establishment is not possible a	and the network initiate call clearing to the calling user.
PSTN parameter values:		
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause valu	e with witch the call shall be rejected is not defined.

E20201	DOTN rof to:	DI MNI ref. to.
520201	PSIN ref. to:	PLWIN ref. to:
	ETS 300 001	
		ETS 300 517
		ETS 200 545
		E15 500 545
TSS reference:	PSTN-PLMN/Supplementary_servi	ces/MPTY/TC520201
PSTN selection		
criteria.		
	MDTV	
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network	
	N2. User A is calling user B, Ensure that the user B can establish a MPTY call to user A	
	and user C. User B. Liser B is terminating the antire multiparty call	
	and user C. User B is terminating t	ne entire multi party call.
2071		
PSIN parameter		
values:		
PLMN parameter		
values:		
values.		
Comments:		

520202	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 517.	
		,	
		ETS 300 545	
TSS reference:	PSTN-PLMN/Supplementary_servi	PSTN-PLMN/Supplementary_services/MPTY/TC520202	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network		
rest purpose.	N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user B		
	and C. The user A is clearing the remote party C. The call clearing procedure to user B is		
	performed from user A		
PSTN parameter			
values:			
PLMN parameter			
values:			
Commonto			
comments:			

520203	PSTN rof to:	DI MNI rof. to:
520205		
	ETS 300 001	ETS 300 517,
		ETS 300 545
TSS reference:	PSTN-PLMN/Supplementary_servi	ces/MPTY/TC520203
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2.User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

520204	PSTN ref. to:	PI MN ref to:
520204	ETS 200 001	
		ETS 300 517,
		ETS 300 545
TSS reference:	PSTN-PLMN/Supplementary_servi	ces/MPTY/TC520204
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
PSTN parameter values:		
PLMN parameter		
values:		
Comments:		

#### 6.2.6 Test purposes for PSTN-PLMN, B-channel end-to-end performance

# B-channel end-to-end performance

610101	PSTN ref. to: PLMN ref. to:	
	ETS 300 001	
		ETS 300 557 [35],
		ITU-T Rec. G. 101
TSS reference:	PSTN-PLMN/ B-channel end-to-en	d performance/Voice/TC610101
PSTN selection criteria:	Voice transmission	
PLMN selection	Voice transmission	
criteria:		
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter		
values:		
PLMN parameter values:		
Comments:	The tests should be based on the I	E-Model described in the ITU-T Rec. G. 101 Appendix

610102	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35],
		ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-	end performance /data/TC610102
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 1,2 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

610103	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35], ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-e	nd performance /data/TC610103
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 2,4 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the	requirements described in the ETS 300 578 [55]

610104	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35],
		ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /data/TC610104	
PSTN selection	Data transmission	
DI MNI coloction	Data transmission	
criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 4,8 kbit/s on the B-channel is performed correctly.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The tests should be based on the r	equirements described in the ETS 300 578 [55]

610105	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /data/TC610105	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 9,6 kbit/s on the B-channel is performed correctly.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The tests should be based on the r	equirements described in the ETS 300 578 [55]

610106	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
	E10 000 001		
		E18 300 557 [35]	
		ETS 200 579 1551	
		E13 300 378 [33]	
TSS reference:	PSTN-PLMN/ B-channel end-to-en	d performance /FAX/TC610106	
	Data transmission		
PSIN selection	Data transmission		
criteria:			
<b>PLMN</b> coloction	Data transmission		
FLIMIN Selection			
criteria:			
Test nurnose:	To ensure that "facsimile group 2/3 transfer" on the B-channel is performed correctly.		
PSTN parameter			
values:			
PLMN parameter			
values			
values.			
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]		

#### 6.2.7 Test purposes for PLMN-ISDN, Basic call

#### 6.2.7.1 Successful

Successful	
Speech	

710101	ISDN rof to:	PLMN rof to:
710101		
	EN 300 403-1 [1],	
	subclause 4.5.5.	ETS 300 557 [35], subclause 5.2
	subclause 5.2	
		ETS 300 604 [42] subclause 10 2
TSS reference:	PLMN-ISDN/Basic_call/Successfu	/Speech/TC710101
ISDN selection	Speech	
criteria:	opocon	
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the calling user clears after answer.	
ISDN parameter	BC=speech. no HLC	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values:		
Comments:		

710102	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1]		
	subclause 4 5 5	ETS 300 557 [35], subclause 5.2.1	
	subclause 4.3.3,	115 500 557 [55], Suberause 5.2.1	
	Subclause 5.2	ETS 300 604 $[42]$ subclause 10.2.1	
		1213 500 004 [42], subclause 10.2.1	
TSS reference:	PLMN-ISDN/Basic_call/Succes	ssful/Speech/TC710102	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly		
	when the called user clears after answer.		
ISDN parameter	BC=speech no HI C	BC-speech no HLC	
values:			
PLMN parameter	GSM-BC=speech, no HLC		
values:			
Comments:			

710103	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.17	ETS 300 557 [35], subclause 5.2
	EG 201 018 [2], subclause 6.3.1	ETS 300 604 [42], subclause 10.2
		ETS 300 502 [27], subclause 6
		ETS 300 582 [40], Annex B.2.8
TSS reference:	PLMN-ISDN/Basic_call/Successfu	I/Speech/TC710103
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the HLC information is correctly delivered to the called us procedure is performed from the c	s transported transparently through the network and er. After the call establishment the call clearing alling user.
ISDN parameter values:	BC=speech, HLC=telephony	
PLMN parameter values:	GSM-BC=speech, HLC=telephony	/
Comments:		

710104	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 4.5.17	ETS 300 557 [35], subclause 5.2
	EG 201 018 [2], subclause 6.3.1	
		ETS 300 604 [42], subclause 10.2
		ETS 300 502 [27], subclause 6
		ETS 300 582 [40], Annex B.2.8
TSS reference:	PLMN- ISDN/Basic_call/Successfu	ul/Speech/TC710104
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the HLC information is	s transported transparently through the network and
	correctly delivered to the called us	er. After the call establishment the call clearing
	procedure is performed from the c	alled user.
ISDN parameter	BC=speech, HLC=telephony	
values:		
PLMN parameter	GSM-BC=speech, HLC=telephony	1
values:		
Comments:		

710105	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 3.1.1 0,	ETS 300 557 [35], subclause 7.3.2
	subclause 5.2	
TSS reference:	PLMN-ISDN/Basic_call/Successful	/Speech/TC710105
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message can be transported correctly to the calling MS.	
ISDN parameter	B:? SETUP: BC=speech, HLC = telephony,	
values:	B:! CONNECT: progress indicator	#2 "destination address is non-ISDN".
PLMN parameter	A:! SETUP: GSM-BC=speech, HLC=telephony	
values:	A:? CONNECT: progress indicator	r #2 "destination address is non-ISDN".
Comments:	The progress indicator information parameter of the Answer message transported transparently. It is the	element is transported in the Access Transport (ANM). The access transport parameter will be responsibility of the end points to ensure compatibility.

710106	ISDN ref. to:	PLMN ref. to:
	subclause 5.2	ETS 300 557 [35], subclause 7.3.2, subclause 5.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech/TC710106	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	To verify that progress indicator information included in the ISDN - ALERT message can be transported correctly to the calling MS.	
ISDN parameter B:? SETUP: BC=speech, HLC=telephony,		ephony,
values.	B:! ALERT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter	A:! SETUP: GSM-BC=speech HLC=telephony	
values:	A:? ALERT: progress indicator #2	"destination address is non-ISDN".
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Address complete message (ACM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

Successful 3,1 kHz audio, ex PLMN

710201	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2.1
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successfu	l/3,1 kHz audio, ex PLMN/TC710201
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
values.	b) BC=3,1 kHz audio (ETS 300 102-1 [46] )	
PLMN parameter values:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710202	ISDN ref. to: EN 300 403-1 [1], subclause 5.2,	PLMN ref. to:	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2	
		ETS 300 604 [42], subclause 10.2	
		ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-ISDN/Basic_call/Successfu	l/3,1 kHz audio ex PLMN/TC710202	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	Audio	
Test purpose:	Support voice band data via mode clearing procedure is performed co	Support voice band data via modem. Ensure that the call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])		
values.	b) BC=3,1 kHz audio (ETS 300 102-1 [46] )		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC		

740000		
710203	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2,	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2.1
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40] Appey B 1 2
		E15 500 502 [40], Annex D.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio, ex PLMN/TC710203
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, asynchronous mode, BS 21	
criteria:		
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC is correctly mapped to the called user and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter	BC=3,1 kHz audio, voice band data	a via modem, asynchronous mode, user rate 0,3 kbit/s,
values:	no LLC	
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,	
values:	user rate 0,3 kbit/s, no LLC (EN 300 403-1 [1] )	
	BC=3,1 kHz audio (ETS 300 102-	1 [46] )
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to th	e octets 5a, 5b, 5c and 5d in the ISDN-BC

710204	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2,	ETS 200 557 [25] subeleuse 5.2
	subclause 4.5.5	E15 500 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710204
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem: Ensure that the BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC is correctly mapped to the called user and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s,	
values:	no LLC (EN 300 403-1 [1] )	
	BC=3,1 kHz audio, no LLC (ETS 300 102-1 [46])	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,	
values:	user rate 1,2 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710205	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710205
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC (EN 300 403-1 [1])	
	BC=3,1 kHz audio (ETS 300 102-	1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710206	ISDN ref. to:	PLMN ref. to:	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2	
		ETS 300 604 [42], subclause 10.2	
		ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-ISDN/Basic_call/Successfu	l/3,1 kHz audio, ex PLMN/TC710206	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25		
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC is correctly mapped to the called user.		
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC (EN 300 403-1 [1])		
	BC=3,1 kHz audio (ETS 300 102-	1 [46] )	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC		
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC		

710207	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710207
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC (EN 300 403-1 [1])	
	BC=3,1 kHz audio (ETS 300 102-	1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710000		
710208	ISDN ref. to:	PLMN ref. to:
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710208
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710209	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710209
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC information is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s (EN 300 403-1 [1])	
	BC=3,1 kHz audio, LLC=3,1 kHz mode, user rate 1,2 kbit/s (ETS 300	audio, voice band data via modem, asynchronous 0 102-1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710210	ISDN ref. to:	PLMN ref. to:
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	//3,1 kHz audio, ex PLMN/TC710210
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s (EN 300 403-1 [1])   BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

740044		
710211	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710211
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM- BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s (EN 300 403-1 [1])BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

740040		
710212	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710212
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem,	
	asynchronous mode, user rate 9,0 k	ton's is confectly derivered to the carled user.
ISDN parameter values:	EC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s (EN 300 403-1 [1])	
	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s (ETS 300 102-1 [46] )	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710010		DI MNI vof. to:
710213	ISDN ref. to:	PLWN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.3
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710213
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM- BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC information is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC ( EN 300 403-1 [1] )	
	BC=3,1 kHz audio, no LLC ( ETS	300 102-1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710214	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710214
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC (EN 300 403-1 [1])	
	BC=3,1 kHz audio (ETS 300 102-	1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710215	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2.	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio, ex PLMN/TC710215
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s,	
values:	no LLC (EN 300 403-1 [1] )	
	BC=3,1 kHz audio (ETS 300 102-	1 [46] )
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user	
values:	rate 4,8 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] sub GSM-BC shall not be mapped to the	clause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the ne octets 5a, 5b, 5c and 5d in the ISDN-BC

710216	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710216
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710017	ICDN rof to:	DI MNI ref. to:
710217	ISDN ret. to:	PLMN ref. to:
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.3
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710217
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710218	ISDN rof to:	DI MNI rof to:
110210	ISDN Fei. 10.	PLININ PER. to.
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	l/3,1 kHz audio, ex PLMN/TC710218
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode,	
	user rate 2,4 kbit/s (ETS 300 102-	1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710210	ISDN ref. to:	DI MNI rof. to:
710219		PLININ ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710219
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM- BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710220	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2,	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710220
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate	
	9,6 kbit/s is correctly mapped and t synchronous mode, user rate 9,6 kł	the LLC=3,1 kHz audio, voice band data via modem, bit/s is correctly delivered to the called user.
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s (EN 300 403-1 [1])	
	BC=3,1 kHz audio, LLC=3,1 kHz user rate 9,6 kbit/s (ETS 300 102-1	audio, voice band data via modem, synchronous mode, [ [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

710221	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 3.1.1	
	0,	ETS 300 557 [35], subclause 7.3.2
	subclause 5.2	
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN /TC710221
ISDN selection	Bearer service 3.1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message can be transported correctly to the calling MS.	
		-
ISDN parameter	B:? SETUP: GSM-BC = 3,1 kHz audio, voice band data via modem	
values:		
	B:! CONNECT: progress indicator	#2 "destination address is non-ISDN".
PLMN parameter	A:! SETUP: GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem	
values:		
	A:? CONNECT: progress indicato	r #2 "destination address is non-ISDN".
Comments:	The progress indicator information	element is transported in the Access Transport
	parameter of the Answer message transported transparently. It is the	(ANM). The access transport parameter will be responsibility of the end points to ensure compatibility.

710222	ISDN ref. to:	PI MN ref. to:
110222		
	EN 300 403-1 [1], subclause 3.1, subclause 5.2	ETS 300 557 [35], subclause 7.3.2, subclause 5.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN/TC710222
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	To verify that progress indicator information included in the ISDN – ALERT message can be transported correctly to the calling MS.	
ISDN parameter	B:? SETUP: GSM-BC = 3,1 kHz audio, voice band data via modem	
values:	B:! ALERT: progress indicator #2	"destination address is non-ISDN".
PLMN parameter	A:! SETUP: GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem	
values:	A:? ALERT: progress indicator #2	"destination address is non-ISDN".
Comments:	The progress indicator information parameter of the Address complete be transported transparently. It is the compatibility.	element is transported in the Access Transport e message (ACM). The access transport parameter will ne responsibility of the end points to ensure

# Successful UDI

710201	ISDN rof to:	DI MNI rof. to:
710301	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 5.2,	
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
	500010030 4.0.0	
		ETS 200 $(04 [42])$ substance 10.2
		$E15\ 500\ 004\ [42],\ subclause\ 10.2$
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710301
ISDN selection	Bearer service UDI	
critoria		
criteria:		
PLMN selection	וכט	
criteria:		
Test nurnose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call	
rest purpose.	algoring procedure is porter that on the colling user algoring of the colling user algoring the contract of th	
	cleaning procedure is performed co	arecuy when the calling user clears after answer.
ISDN parameter	BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
values:		
PI MN parameter	GSM-BC - LIDL rate adaption V 110/X 30 LLC- LIDL rate adaption V 110/X 30	
		0/X.00, EEO= 0.D., rate adaption virro/X.00
values:		
Comments:	The user bitrate is out of scope of this test case	
710302	<b>ISDN ref. to:</b> EN 300 403-1 [1], subclause 5.2,	PLMN ref. to:
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	Subciause 4.5.5	ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710302
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:	The user bitrate is out of scope of this test case	

710303	ISDN ref. to:	PI MN ref. to:
110000	EN 300 403-1 [1], subclause 5.2,	ETS 200 557 [25] subalance 5.2
	subclause 4.5.5	E15 500 557 [55], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710303
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

710304	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710304
ISDN selection criteria:	Bearer service UDI, V.110/X.30 rate adaption	
PLMN selection criteria:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC=UDI/X.30 [49] asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter	GSM-BC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchron	ous mode, user rate 1,2 kbit/s
Comments:		

710305	ISDN ref. to:	PLMN ref. to:
	subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710305
ISDN selection criteria:	Bearer service UDI, V.110/X.30 rate adaption	
PLMN selection criteria:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchron	ous mode, user rate 2,4 kbit/s
Comments:		

710306	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710306
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s,	
values.	LLC=UDI, V.110/X.30, asynchron	ous mode, user rate 4,8 kbit/s
Comments:		

710207		DI MNI ref. to:
710307	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI /TC710307
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s,	
values:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter	GSM-BC = UDL V.110/X.30, asynchronous mode, user rate 9.6 kbit/s.	
values:		
	LLC=UDI, V.110/X.30, asynchron	ous mode, user rate 9,6 kbit/s
Comments:		

710308	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.3; B 2.3
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710308
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s,	
values.	LLC=UDI, V.110/X.30, synchrono	bus mode, user rate 1,2 kbit/s
Comments:		

740000		
710309	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710309
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s,	
values:		
	LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

710310	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI/TC710310
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s,	
values.	LLC=UDI, V.110/X.30, synchrono	bus mode, user rate 4,8 kbit/s
Comments:		

710311	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/UDI /TC710311
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter	BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s,	
values:		
	LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s,	
values:	LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
Comments:		

## Facsimile group 3

710401	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1].	
	subclause 4 5 17	ETS 300 557 [35], subclause 5.2
	EG 201 018 [2]	ETS 300 604 [42] subclause 10 2 2
		E15 500 001 [12], subclique 10.2.2
		FTS 300 582 [40] Annex B 1 1 1
		E15 500 502 [+0], Tuniex D.1.1.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/Facsimile G3/TC710401	
	_	
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is	
	performed correctly when the calling user clears after answer.	
	·····	
ISDN parameter	BC=3.1 kHz audio. HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3. no HLC	
values:		
Comments:		

710402	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1]		
	$E = 1000 + 00^{-1} [1],$	ETS 300 557 [35] subclause 5.2	
	Subclause 4.5.17	L15 500 557 [55], subclause 5.2	
		E1S 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], Annex B.1.1.1; B 2.11	
TSS reference:	PLMN-ISDN/Basic_call/Successful	PLMN-ISDN/Basic call/Successful/Facsimile G3/TC710402	
ISDN selection	Telefax G3 terminals		
critoria:			
	70.00		
PLMN selection	15 02		
criteria			
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is		
	performed correctly when the called user clears after answer.		
ISDN parameter	BC=3.1 kHz audio. HLC = Eacsimile G2/G3		
values	DC=3,1 KHZ audio, 11EC = 1 austitute GZ/G3		
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3		
values:			
Comments:			

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710403	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.17	ETS 300 557 [35], subclause 5.2.1
		ETS 300 604 [42], subclause 10.2
		ETS 300 582 [40], Annex B.1.11
TSS reference:	PLMN-ISDN/Basic_call/Successful	/Facsimile G3/TC710403
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" inserted by the network are delivered to the called user.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, no HLC	
Comments:		

710101			
710404	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1].		
	subclause 4 5 17	ETS 300 557 [35], subclause 5.2.1	
	300012036 4.5.17		
		FTS 300 604 [42] subclause 10.2.2	
		E15 500 00 1 [12], subchuse 10.2.2	
		ETS 300 582 [40], Annex B.1.11, B.2.11	
TSS reference:	PLMN-ISDN/Basic_call/Succ	essful/Facsimile G3/TC710404	
ISDN selection	Telefax G3 terminals		
criteria:			
PI MN selection	15.62		
	10.02		
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is		
	received from the MS are del	ivered to the called user	
ISDN parameter	BC= 3,1 kHz audio, HLC = F	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
values:			
PLMN parameter	GSM-BC= facsimile G3, HLC	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
values:			
Comments:			

Alternate speech and facsimile group 3

710501	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2.1	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-ISDN/Basic_call/Successfu	I/Alternate speech and facsimile G3/	
	TC710501		
ISDN selection criteria:	Telefax G3 terminals		
PLMN selection criteria:	TS 61		
Test purpose:	Ensure that call establishment and when the calling user clears after a	I the call clearing procedure is performed correctly answer.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC		
PLMN parameter	first GSM-BC=speech	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, n	o HLC	
Comments:			

710502	ISDN ref. to:	PI MN ref. to:
110302	EN 200 402 4 [1]	
	subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successfe	ul/Alternate speech and facsimile G3/
	TC710502	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment an when the called user clears after	d the call clearing procedure is performed correctly answer.
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values.	second GSM-BC= facsimile G3,	no HLC
Comments:		

710503	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.1	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successfu	I/Alternate speech and facsimile G3/
	TC710503	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio".	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, n	IO HLC
Comments:		

710504	ISDN rof to:	DI MN rof to:
710504		PLIMIN Tel. IO.
	subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successfi	ul/Alternate speech and facsimile G3/
	TC710504	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio" without HLC.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3,	HLC= Facsimile G2/G3
Comments:		

710506	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-ISDN/Basic_call/Successfu	I/Alternate speech and facsimile G3/	
	TC710506		
ISDN selection criteria:	Telefax G3 terminals		
PLMN selection criteria:	TS 61		
Test purpose:	Ensure that the repeated GSM BC indicating the service "facsimile G the ISDN BC value "3,1 kHz audio	C-IE (preceded by a repeat indicator "circular"), the first 3" and the second indicating "speech" are mapped to " with the HLC = Facsimile G2/G3.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsin	nile G2/G3	
PLMN parameter	first GSM-BC = Facsimile G3, no	first GSM-BC = Facsimile G3, no HLC	
values:	second GSM-BC=speech		
Comments:			

710507	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-ISDN/Basic_call/Successf	ul/Alternate speech and facsimile G3/	
	TC710507		
ISDN selection criteria:	Telefax G3 terminals		
PLMN selection criteria:	TS 61		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC = Facsimile G2/G3.		
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3		
PLMN parameter	first GSM-BC = Facsimile G3, HL	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3	
values:	second GSM-BC=speech		
Comments:			

#### Alternate Speech / Data

710601	ISDN ref. to:	PLMN ref. To:
	EN 300 403-1 [1],	
	subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.3.1.2
		ETS 300 582 [40], Annex B.1.6
<b>T</b> 00		I/Alternets encoch and date/
155 reference:	PLIMIN-ISDIN/Basic_call/Successio	N/Alternate speech and data/
	TC710601	
	10/10001	
ISDN selection	Bearer service 3.1 kHz audio	
criteria:		
PI MN selection	BS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the calling user clears after answer.	
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:		
	second GSM-BC=3,1 kHz audio e	ex PLMN, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s	
Comments:		

710602	ISDN ref. to:	PLMN ref. To:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.1	ETS 300 557 [35], subclause 5.2	
		ETS 300 604 [42], subclause 10.3.1.2	
		ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-ISDN/Basic_call/Successf	ul/Alternate speech and data/	
	TC710602		
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	BS 61	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.		
ISDN parameter values:	BC= 3,1 kHz audio, no HLC		
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s		
Comments:			

710603	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.1	ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.3.1.2
		ETS 300 582 [40], B 1.6
TSS reference:	PLMN-ISDN/Basic_call/Successf	ul/Alternate speech and data/
	TC710603	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN are mapped to the ISDN BC value "3,1 kHz audio".	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710604	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2	
		ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-ISDN/Basic_call/Successfu TC710604	ul/Alternate speech and data/	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	BS 61	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC.		
ISDN parameter values:	BC= 3,1 kHz audio, no HLC		
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s		
Comments:			

Speech followed by data

710701	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2.1	
		ETS 300 604 [42], subclause 10.2.2	
		ETS 300 582 [40], B.1.7	
TSS reference:	PLMN-ISDN/Basic_call/Successf	ul/Speech followed by data/	
	TC710701		
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	BS 81	BS 81	
Test purpose:	Ensure that call establishment an when the calling user clears after	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC		
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s		
Comments:			

710702	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.7, B.2.7.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/Speech followed by data/TC710702
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710703	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.7, B.2.7.2
TSS reference:	PLMN-ISDN/Basic_call/Successf	ul/Speech followed by data/
	TC710703	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) are mapped to the ISDN BC value "3,1 kHz audio".	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio mode, user rate 1,2 kbit/s	ex PLMN, voice band data via modem, synchronous
Comments:		

710704	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2.1
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.7, B.2.7.1,
TSS reference:	PLMN-ISDN/Basic_call/Successful	/Speech followed by data/TC710704
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710705	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.7
TSS reference:	PLMN-ISDN/Basic_call/Successf	ul/Speech followed by data/
	TC710705	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) are mapped to the ISDN BC value "3,1 kHz audio".	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio mode, user rate 1,2 kbit/s	ex PLMN, voice band data via modem, asynchronous
Comments:		

710706	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2.1	
		ETS 300 582 [40], Annex B.1.7, B.2.7.1	
TSS reference:	PLMN-ISDN/Basic_call/Successfu	I/Speech followed by data/TC710706	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection criteria:	BS 81		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC.		
ISDN parameter values:	BC= 3,1 kHz audio, no HLC		
PLMN parameter	first GSM-BC=speech		
values:			
second GSM-BC=3,1 kHz audio ex PLMN, voice band dat		ex PLMN, voice band data via modem, asynchronous	
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem,		
	asynchronous mode, user rate 1,2	kbit/s	
Comments:			

#### Emergency Calls

710801	ISDN ref. to:	PLMN ref. to:
	subclause 4.5.5,	ETS 300 557 [35], subclause 5.2
	subclause 5.2	ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Emergency Call /TC710801	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

710802	ISDN ref. to:	PLMN ref. to:
	subclause 4.5.5,	ETS 300 557 [35], subclause 5.2.1
	subclause 5.2	ETS 300 604 [42], subclause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Success	ful/ Emergency Call /TC710802
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12;	
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

710803	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/ Emergency Call /TC710803
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS without a SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

	1	1
710804	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1].	
	subclause 4.5.5	ETS 300 557 [35], subclause 4.5.1.5 subclause 5.2.1
	Subclause 4.5.5,	
	subclause 5.2	ETS 200 $604$ [42], subalance 10.2.1
		E1S 500 604 [42], subciause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Successful	/ Emergency Call /TC710804
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS without a SIM card. Ensure that call establishment and the	
	call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		
Comments:	It is an option of the network operator whether to accept emergency calls coming from	
	MSs which do not transmit an IMSI	or a TMSI.

710805	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	ETS 300 557 [35], subclause 4.5.1.5 subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful	/ Emergency Call /TC710805
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognized by the VLR.	

710806	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		FTS 300 557 [35] subclause 4 5 1 5 subclause 5 2 1
	subclause 4.5.5,	L15 500 557 [55], subclause 4.5.1.5 subclause 5.2.1
	subclause 5.2	
		E1S 300 604 [42], subclause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Successful	/ Emergency Call / I C710806
	Francisco de la completa de la compl	anaaah
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS when th	e IMSI contained in the SIM Card is not recognized by
	the VLR. Ensure that call establish	ment and the call clearing procedure is performed
	correctly when the called user clea	rs after answer.
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP: GSM-BC=speech, no HLC	
values:		
Comments:	It is an option of the network operator whether to accept emergency calls coming from	
	MSs when the IMSI contained in th	e SIM Card is not recognized by the VLR.
	1	

#### 6.2.7.2 Unsuccessful

Unsuccessful	
speech	

720101	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2	ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Speech/TC720101
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when calling to unalloc calling user with cause value #1 "u	cated number, the network initiate call clearing to the nassigned (unallocated) number".
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	NOTE: Some ISDNs provide annou	uncements instead of sending cause value
	# 1.	

720102	ISDN ref. to:	PLMN ref. to:
	EN 200 402 1 [1] subslaugs 5 2	
	EN 300 403-1 [1], Subclause 5.2	ETG 200 557 [25] A
		E15 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	sful/Speech/TC720102
		·
ISDN selection	Bearer service speech:	
criteria:	,	
	TO 11	
PLMN selection	15 11	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE	
	COMPLETE indicating cause value	#17 "user busy" the network transport the cause
	volue to the colling upor	
	value to the calling user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values		
values:		
Comments:		

720103	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2	ETS 300 557 [35], H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	sful/Speech/TC720103
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user is the calling user with cause value #	s not responding, the network initiate call clearing to 18 "no user responding".
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

720104	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], Subclause 3.2	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Speech/TC720104
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when there is no answ initiate call clearing to the calling us value #19 "no answer from user (us message indicating cause # 102 "r	er from the called user (but user alerted), the network ser with a DISCONNECT message indicating cause ser alerted)" and sends to the called user a RELEASE ecovery on timer expire".
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

720105	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.1.9,	ETS 300 557 [35], subclause 5.2.1, Annex H.1.9
	subclause 5.3.2, Annex M	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Speech/TC720105
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user re COMPLETE message indicating ca the cause value to the calling user.	ejects the call and responds with a RELEASE ause value #21 "call rejected", the network transport
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

720106	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2,	ETS 200 557 [25] America II 5 2
	Annex M;	E15 500 557 [55], Annex H.5.5
	ETS 300 557 [35] Annex B.3.2	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	sful/Speech/TC720106
ISDN selection criteria:	Bearer service speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user is COMPLETE message indicating ca transport the cause value to the ca	s not compatible and responds with a RELEASE ause value #88 "incompatible destination", the network Illing user.
ISDN parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

720107	ISDN ref. to: EN 300 403-1 [1], Annex M	PLMN ref. to:
		ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsucce	ssful/Speech/TC720107
ISDN selection criteria:	Bearer service speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the calling use before answer from called user,	er clears with cause value #16 "normal call clearing" the network transport the cause value to the called user.
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

#### Unsuccessful

## 3,1 kHz audio ex PLMN

720201	ISDN ref. to:	PLMN ref. to:
	300 403-1 subclause 5 2 1	
	000 400 1, Subciduos 0.2.1	ETS 200 557 [25] Appay H 1 1
		E15 500 557 [55], Alliex 11.1.1
TSS reference:	PI MN-ISDN/Basic, call/LInsucces	sful/3.1 kHz audio ex PLMNL/TC720201
155 felefence.	T LIVIN-ISDIV/Dasic_call/Orisucces	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the	
	calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	NOTE: Some ISDNs provide a	nnouncements instead of sending
	cause value # 1.	

720202	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], 5.2.5.3	
		ETS 300 557 [35], Annex H.1.6
TSS references	PLMNUSDN/Rasic_call/Upsuc	
155 reference.	F Livin-13DN/Basic_cail/Offsuc	cessiui/3,1 KHZ audio ex FLIMIN/10/20202
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE	
value to the calling user		value #17 user busy the network transports the cause
	·	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
values:		
	b) BC=3,1 kHz audio (ETS 3	00 102-1 [46] )
PI MN parameter	GSM-BC=3.1 kHz audio ex PLMN voice band data via modem	
values:		
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped	to the octets 5a, 5b, 5c and 5d in the ISDN-BC

720203	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2.5.4.	ETS 300 557 [35], Annex H.1.7
		ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN /TC720203
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user is the calling user with cause value #	s nor responding, the network initiate call clearing to 18 " no user responding".
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
	b) BC=3,1 kHz audio (ETS 300 1	02-1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	According ETS 300 102-1 [46] sub GSM-BC shall not be mapped to the	clause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the ne octets 5a, 5b, 5c and 5d in the ISDN-BC

720204	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.2.5.4.	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720204	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:	,	
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
values:	b) BC=3,1 kHz audio (ETS 300 1	02-1 [46] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	According ETS 300 102-1 [46] sub GSM-BC shall not be mapped to th	clause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the ne octets 5a, 5b, 5c and 5d in the ISDN-BC

720205	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.3.2 , Annex M	ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN /TC720206
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
	b) $BC=5,1$ KHZ audio (E15 500 I)	JZ-1 [40] )
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] sub GSM-BC shall not be mapped to th	clause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the le octets 5a, 5b, 5c and 5d in the ISDN-BC

720206	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2.2	
		ETS 300 557 [35] Annex B 3 2 H 5 3
	, AITIEX M	110 500 557 [55], 7 milex 15.5.2, 11 5.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN /TC720206
ISDN selection	Bearer service 3.1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
• •		
ISDN parameter	a) BC=3,1 kHz audio, voice band of	data via modem (EN 300 403-1 [1])
values:		
	b) BC=3.1 kHz audio (ETS 300 102-1 [46])	
		~ [ · •] )
PLMN parameter	GSM-BC=3.1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to th	e octets 5a, 5b, 5c and 5d in the ISDN-BC

720207	ISDN ref. to:	PLMN ref. to:
	EN 200 402 1 [1] Appoy M	
	EN 300 403-1 [1], Annex M	ETS 200 557 [25] Ammen II 1 5
		E15 500 557 [55], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic call/Unsuccess	ful/3.1 kHz audio ex PLMN /TC720207
	_	
ISDN selection	Bearer service 3.1 kHz audio	
criteria:	,	
DI MNI coloction	Audio	
PLIMIN Selection	Audio	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user	
ISDN parameter	a) BC-3.1 kHz audio voice band	data via modem (EN 300 403-1 [1])
	a) $DC=3,1$ Ki iz addio, voice ballu (	
values:		
	b) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter	GSM-BC=3.1 kHz audio ex PLMN, voice band data via modem	
values:		
values.		
Comments:	According ETS 300 102-1 [46] subclause 4.5.5 NOTE 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to th	e octets 5a, 5b, 5c and 5d in the ISDN-BC

## Unsuccessful UDI

700004		
720301	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.1.4	
	L 3.	ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/UDI/TC720301
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values.		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

720302	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 5.2.5.4.	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/UDI/TC720302
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transport the cause value to the calling user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

720303	<b>ISDN ref. to:</b> EN 300 403-1 [1], subclause 5 2 5 4	PLMN ref. to: ETS 300 557 [35], Annex H.1.7
	SubciduSe 0.2.0.4	ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	sful/UDI/TC720303
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

720304	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 5.2.5.4	ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	iful/UDI/TC720304	
ISDN selection criteria:	Bearer service UDI	Bearer service UDI	
PLMN selection criteria:	UDI		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".		
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption		
Comments:			

720305	<b>ISDN ref. to:</b> EN 300 403-1 [1], subclause 5.3, Annex M	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/UDI/TC720305
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

720306	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 5.3,	ETS 300 557 [35] Anney H 5 3	
	Annex M	E13 500 557 [55], Alliex 11.5.5	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/UDI/TC720306	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI	UDI	
criteria:			
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.		
ISDN parameter	BC=UDI with V.110/X.30 rate adaption		
values:			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption		
values:			
Comments:			

700007		
720307	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.3, Annex M	ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/UDI/TC720307
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adap	tion
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

#### Unsuccessful

## Facsimile group 3

720401	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2	
		ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Facsimile G3/TC720401
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:	NOTE: Some ISDNs provide annou	uncements instead of sending cause value
	# 1.	

720402	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause	
	5 2 5 1	ETS 300 557 [35]. Annex H.1.6
	0.2.0.1	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Facsimile G3/TC720402
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3	
values:		
Comments:		

720403	ISDN ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1].	
	subclause 5.2.5.4	ETS 300 557 [35], Annex H.1.7
		ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Facsimile G3/TC720403
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to	
	the calling user with cause value #18 "no user responding".	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:	,,	
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

720404	ISDN ref. to:	PI MN ref. to:
120404	EN 000 400 4 [1]	
	EN 300 403-1 [1],	
	subclause 5.2.5.4	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Facsimile G3/TC720404
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

720405	ISDN ref. to:	PI MN ref to:
120100	EN 200 402 1 [1] autolouica 5 1 0	
	EN 300 403-1 [1], subclause 5.1.9	ETS 200 557 [25] autolouse 5.2.1 Anney H.1.0
	, subclause 5.3.2, Annex M	E15 500 557 [55], subclause 5.2.1, Alliex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsucces	sful/Facsimile G3/TC720405
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

720406	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2.2 , Annex M	ETS 300 557 [35], Annex H. 5.3
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720406	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimil	e G2/G3
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

720407	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], Annex M		
		ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-ISDN/Basic_call/Unsucc	essful/Facsimile G3/TC720407	
ISDN selection criteria:	Telefax G3 terminals	Telefax G3 terminals	
PLMN selection criteria:	TS 62		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.		
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3		
PLMN parameter values:	GSM-BC = facsimile G3		
Comments:			

#### Unsuccessful

### Alternate speech and facsimile group 3

720501	ISDN ref. to:	PI MN ref. to:	
	EN 300 403-1 [1], subclause 5.2		
		ETS 300 557 [35], Annex H.1.1	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC720501	
ISDN selection criteria:			
PLMN selection criteria:	TS 61		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".		
ISDN parameter values:			
PLMN parameter	first GSM-BC=speech		
	second GSM-BC = Facsimile G3		
Comments:	NOTE: Some ISDNs provide anno	uncements instead of sending cause value # 1.	

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700500		<b></b>
720502	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2.5	
		ETS 300 557 [35] Anney H 1.6
	.1	L15 500 557 [55], Annex 11.1.0
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3 / I C/20502
ISDN selection	Bearer service 3.1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transports the cause value to the calling user.	
ISDN parameter	BC = 3.1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values		
	second GSM-BC = Facsimile G3	
Comments:		

720503	ISDN ISDN ref. to:	PI MN ref. to:
	EN 300 403-1 [1]	
	subclause 5.2.5.4	ETS 300 557 [35], Annex H.1.7
		ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3 /TC720503
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:		
	second GSM-BC = Facsimile G3	
Comments:		

720504	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 5.2.5.4	ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3 /TC720504	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	TS 61		
criteria:			
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".		
ISDN parameter values:	BC = 3,1 kHz audio, no HLC		
PLMN parameter	first GSM-BC=speech		
values:			
	second GSM-BC = Facsimile G3		
Comments:			
	1		

720505	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 5.1.9, subclause 5.3.2,	ETS 300 557 [35], subclause 5.1, Annex H.1.9	
	Annex M		
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile group 3 /TC720505	
ISDN selection criteria:	Bearer service 3,1 kHz audio	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.		
ISDN parameter values:	BC = 3,1 kHz audio, no HLC		
PLMN parameter	first GSM-BC=speech		
values:	second GSM-BC = Facsimile G3		
Comments:			

720506	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], subclause 5.2.2	
	. Annex M	ETS 300 557 [35], Annex H.5.3
	,	
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3/ TC720506
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network	
	transport the cause value to the ca	lling user.
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:		
	second GSM-BC = Facsimile G3	
Comments:		

720507	ISDN rof to:	DI MNI rof. to.
720507	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], Annex M	
	E 17	ETS 300 557 [35]. Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile group 3 TC720507
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the	e network transport the cause value to the called user.
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:		
	second GSM-BC = Facsimile G3	
-		
Comments:		

# Unsuccessful Emergency Calls

720601	ISDN ref. to: EN 300 403-1 [1], subclause 5.2	PLMN ref. to:
	• •	ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Emergency Calls/TC720601	
ISDN selection criteria:	Emergency service; bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		
720602	ISDN ref. to:	PLMN ref. to:
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	EN 300 403-1 [1]	
	EN 300 403-1 [1],	ETS 300 557 [35] Anney H 1 8
	Subclause 5.2.5.4	E13 500 557 [55], Annex 11.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccess	ful/Emergency Calls/TC720602
ISDN selection	Emergency service; bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no answer from user (user alerted)".	
ISDN parameter	BC=speech	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:		

## 6.2.8 Test purposes for PLMN-ISDN Supplementary services

## 6.2.8.1 Bearer capability "speech"

## Supplementary Services Speech

010101			
810101	ISDN ret. to:	PLMN ref. to:	
	ETS 300 092-1 [6] EN 300 403-1 [1],	ETS 300 557 [35], subclause 9.3.23.2,	
	subclause 4.5.10, subclause 4.5.11	ETS 300 542 [57], subclause 1	
		ETS 300 565 [36], subclause 1	
TSS reference:	PLMN-ISDN/Supplementary_serv	vices/Speech/CLIP/TC810101	
ISDN selection criteria:	The called user is provided with C	The called user is provided with CLIP	
PLMN selection criteria:	CLIP		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.		
ISDN parameter	BC= speech		
values:	Calling party number: PI=PA TON= national/international number SI=NP		
	NPI=ISDN/	NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=speech, Calling party s	GSM-BC=speech, Calling party subaddress	
Comments:			

810102	ISDN ref. to:	PLMN ref. to:
	ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1],	ETS 300 557 [35], subclause 9.3.23.2
	subclause 4.5.10	ETS 300 542 [57], subclause 1,
		ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CLIP/TC810102
ISDN selection criteria:	The called user is provided with CL	-IP
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter	BC= speech,	
values:	Calling party number: PI=PA TON= national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810201	ISDN ref. to:	PLMN ref. to:
	ETS 300 093-1 [7] ETS 300 092-1 [6] /A2 Fig2	ETS 300 557 [35], 9.3.23.2
		ETS 300 542 [57], subclause 2,
		ETS 300 565 [36], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/CLIR/TC810201
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription	
	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter	BC= speech	
values:	Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter values:	GSM-BC=speech, Calling party subaddress	
Comments:		

810202	ISDN ref. to:	PLMN ref. to:
	ETS 300 093-1 [7] subclause 9.4.1	ETS 300 557 [35], 9.3.23.2
	E I S 300 092-1 [6] /AZ FIGZ	ETS 300 542 [57], subclause 2
		ETS 300 565 [36], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CLIR/TC810202
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription	
	Ensure that when no Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter	BC= speech	
values:	Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810301	ISDN ref. to:	PLMN ref. to:
	ETS 300 097-1 [8] subclause 9.5.1	ETS 300 557 [35], 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/COLP/TC810301
ISDN selection criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter values:	Connected subaddress number	
PLMN parameter values:	GSM-BC=speech; Connected number PI=PA, SI=UPVP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress number	
Comments:		

810302	ISDN ISDN ref. to:	PLMN ref. to:
	ETS 300 097-1 [8] subclause 9.5.1	ETS 300 557 [35], 9.3.5.2
		ETS 300 542 [57], subclause 3
		ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/COLP/TC810302
ISDN selection criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech, Connected number: SI=NP PI=PA TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

810401	ISDN ref. to:	PI MN ref. to:
010401	ETS 300 098-1 [9] subclause 9.3.1, subclause 9.4.1	
		ETS 300 557 [35], 9.3.5.2
	ETS 300 097-1 [8] /A2 Fig 4	ETS 300 542 [57], subclause 3
		ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/COLR/TC810401
ISDN selection criteria:	COLR	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.	
	Ensure that when no Connected number is provided by the called user (and no Connected subaddress), the Connected number information element is network provided and delivered to the calling user without any digit information.	
ISDN parameter values:		
PLMN parameter	GSM-BC=speech,	
values:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

810501	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	ETS 200 546 [22]
	subclause 9.2.2, subclause 9.2.4	E13 300 340 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CUG/TC810501
ISDN selection	Calling user and called user belone	g to the <b>same</b> CUG;
criteria:	CUG supplementary options: IA; I	not ICB
PLMN selection criteria:	CUG supplementary options: not (	DA; not ocb; not Pref. CUG
Test purpose:	Ensure that when the <b>calling</b> user not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with C OA (SOA)	belongs to a CUG with outgoing access is not allowed, CUG and not preferential CUG and the <b>called</b> user oming access allowed and not incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC), Suppress
	the called user receives a SETU cUGCall invoke component encodi index" and sends an ALERTING of	JP message with a Facility IE which contains a ed as "Outgoing access with default value, CUG r CONNECT message.
ISDN parameter values:	BC=speech; Facility IE with cUGCa value, CUG index"	all invoke component: "Outgoing access with default
PLMN parameter	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI);
values:		Suppress Pref. CUG (SPC);
		Suppress OA (SOA)
Comments:		

810502	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10]	
	subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CUG/TC810502
ISDN selection criteria:	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>IA; not ICB</b>	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message <b>with</b> a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG	
	index" and sends an ALERTING o	r CONNECT message.
ISDN parameter values:	BC=speech; Facility IE with cUGCa value, CUG index"	all invoke component: "Outgoing access with default
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
values:		Suppress Pref. CUG (SPC);
		Suppress OA (SOA);
Comments:		

810503	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CUG/TC810503
ISDN selection criteria:	The called user belongs to the <b>san</b> options: <b>IA; not ICB</b>	ne CUG with the following CUG supplementary
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
values:		Suppress Pref. CUG (SPC);
Comments:		

810504	ISDN rof to:	DI MN rof. to:
810504		FLIMIN Tel. (O.
	ETS 300 138-1 [10]	ETS 200 546 [22]
	subclause 9.2.2, subclause 9.2.4	E13 500 540 [55]
	Q.735	ETS 200 560 [20]
		E13 300 307 [37]
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CUG/TC810504
ISDN selection criteria:	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
PLMN selection	The calling user belongs to the sar	ne CUG with the following CUG supplementary
criteria:	options: OA; not ocb; not Pref. Cl	JG
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
values:		Suppress Pref. CUG (SPC);
Comments:		

810505	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/CUG/TC810505	
ISDN selection criteria:	The called user belongs to the san options: <b>IA; not ICB</b>	The called user belongs to the same CUG with the following CUG supplementary options: <b>IA; not ICB</b>	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC),		
ISDN parameter values:	BC=speech; Facility IE with cUGC value, CUG index"	all invoke component: "Outgoing access with default	
PLMN parameter values:	GSM-BC=speech; ForwardCUG-In	fo: Suppress Pref. CUG (SPC);	
Comments:			

810506	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10] subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/CUG/TC810506	
ISDN selection criteria:	The called user is not a CUG sub	oscriber	
PLMN selection criteria:	The calling user belongs to a CUC not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb</b> ; <b>not Pref. CUG</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE.		
ISDN parameter values:			
PLMN parameter	GSM-BC=speech; ForwardCUG-I	nfo: CUG Index (CI);	
values.		Suppress Pref. CUG (SPC);	
Comments:			

810507	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10] subclause 9.2.3	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary	_services/Speech/CUG/TC810507
ISDN selection criteria:	The called user belongs to C not ICB	UG with the following CUG supplementary options: <b>not IA;</b>
PLMN selection criteria:	The calling user is not member of CUG	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value # "87 user not a member of CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

810508	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10] subclause 9.2.2	ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CUG/TC810508
ISDN selection criteria:	The called user is not member of C	CUG
PLMN selection criteria:	The calling user belongs to a CUG OA; not ocb; not Pref. CUG	with the following CUG supplementary options: <b>not</b>
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) call establishment is not possible and the network initiate call clearing to the calling user with cause value # 87 "user not a member of CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);
Comments:		

810509	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10], subclause 9.2.2,	ETS 300 546 [33]
	subclause 9.2.4	ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CUG/TC810513
ISDN selection criteria:	The called user belongs to the <b>san</b> options: <b>not IA; ICB</b>	ne CUG with the following CUG supplementary
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling	
	user with cause value # 55 mcom	ing can's barred within COG .
ISDN parameter values:		
PLMN parameter	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI);
values.		Suppress Pref. CUG (SPC);
Comments:		

040540		
810510	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10],	
	subclause 9.2.2.	ETS 300 546 [33]
	subclause 9.2.4	
	000010000 0.2.1	ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary service	ces/Speech/CUG/TC810510
ISDN selection	Calling user and called user belong	g to the same CUG;
criteria:		
	CUG supplementary options: <b>not I</b>	A: not ICB
PLMN selection	CUG supplementary options: not C	DA: not OCB: not Pref. CUG
criteria:		,,
Test purpose:	Ensure that when the <b>calling</b> user	belongs to a CLIC with outgoing access not allowed
rest purpose.	Instructurating collaboration when the collaboration of the collaboratio	
	the collect year belonge to the com	a CLO with incoming access not allowed and not
the <b>called</b> user belongs to the same COG with incoming access not allower		
	incoming calls barred within the CU	JG, after the receipt of a SETUP message with the
	Facility IE which shall contain a Fo	rwardCUG-Info with CUG Index (CI),
	the called user receives a SETU	P message with a Facility IE which contains a
	cUGCall invoke component encode	ed as "Outgoing access with default value, CUG
	index" and sends an ALERTING o	r CONNECT message.
		C
ISDN parameter	BC=speech; Facility IE with cUGCa	all invoke component: "Outgoing access with default
values:	value, CUG index"	
	,	
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI).	
values:		
Comments:		

810601	ISDN ref. to:	PLMN ref. to:
	ETS 300 061-1 [11],	
	subclause 9.2	ETS 300 557 [35], 9.3.23.1.5
	EN 300 403-1 [1], subclause 4.5.9	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/SUB/TC810601
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
Test purpose:	Ensure that when the Called party party subaddress is correctly delive	subaddress is provided by the calling user, the Called ered to the called (served) user
ISDN parameter values:	BC=speech, Called party subaddre	SS
PLMN parameter values:	GSM-BC=speech, Called party subaddress	
Comments:		

040000		
810602	ISDN ref. to:	PLMN ref. to:
	ETS 300 061-1 [11],	
	subclause 9.2	ETS 300 557 [35], subclause 9.3.23.1.5
	EN 300 403-1 [1], subclause 4.5.9	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/SUB/TC810602
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
Test purpose:	Ensure that when the Called party = minimum, the Called party subad without any digit information	subaddress is provided by the calling user with length ldress is correctly delivered to the called (served) user
ISDN parameter values:	BC=speech, Called party subaddress	
PLMN parameter values:	GSM-BC=speech, Called party subaddress	
Comments:		

810701	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETC 200 542 [21] . 1 1 1
		E15 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_serviv	ces/Speech/CFU/TC810701
ISDN selection criteria:	The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user "= <b>Yes</b> , "served user receives notification that the call has been forwarded" = <b>Yes</b> ).	
PI MN selection	Call to a forwarding subscriber (CE	
criteria:		0)
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified with a FACILIT message, user <b>C</b> is notified with a Notification]) of call diversion.	Y (Invoke =NotifySS [CFU, SS-Notification]) FACILITY IE (Invoke =NotifySS [CFU,SS-
	User <b>B</b> is notified of call diversion telecommunications service inform subaddress and the calling party A	with a FACILITY message (DCR) about the nation, user-to-user information, served user B's 's address.
ISDN parameter	CFU active	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

040700		
810702	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servio	ces/Speech/CFU/TC810702
ISDN selection	The user B is in network N2 and is	provided with CFU ("calling user is notified of call
criteria:	diversion" = No, with diverted-to nu	umber, "diverting number is released to the diverted-to
	user" = No, "served user receives	notification that the call has been forwarded" =No).
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:	<b>3</b>	,
Test purpose:	Ensure that when user A calls user	r B, the call is forwarded to user C.
	User A and B are not notified and	C is notified of call diversion with a
	EACH ITY IE (Invoka – NotifySS	[CEU SS Notification]) contained in a SETUP
	TACILIT I IL (IIIVORE – NOUTYSS	[Cr0,55-Notification]) contained in a SET OF
	message.	
ISDN parameter	CFU active	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

810703	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CFU/TC810703
ISDN selection	The user B is in network N2 and is	provided with CFU ("calling user is notified of call
criteria:	diversion" = <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted- to user "= <b>Yes</b> , "served user receives notification that the call has been forwarded" = <b>Yes</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	To verify that a call is released correctly if CFU was not successful.	
	User A calls user B, the call is	forwarded to user C who is user determined user busy.
	User <b>A</b> is notified with a FACILITY (Invoke =NotifySS [CFU, SS-Notification])	
	=NotifySS [CFU,SS-Notification]) network.	included in the incoming SETUP message from the
	User <b>B</b> is notified of call diversion	with a FACILITY message (DCR) about the
	telecommunications service inform subaddress and the calling party A	ation, user-to-user information, served user B's s address.
ISDN parameter	CFU active	
values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

810704	ISDN ref. to:	PI MN ref to:
010704		
	E15 300 207-1 [15],	ETS 200 566 [27] subclause 1
	subclause 10.5	E15 500 500 [57], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_se	rvices/Speech/CFU/TC810704
ISDN selection	The user B is in network N2. Pa	rtial rerouting provided in PTNX in case of CFU ("calling
criteria:	user is Notified of call diversion"	= Yes)
PLMN selection	Call to a forwarding subscriber (	CFU)
criteria:		
Test purpose:	User A calls user B. The public r the private network (NT2) and p	network acts on the call rerouting invocation request from erforms rerouting towards the indicated address (user C).
	User <b>A</b> is notified with a FA	CILITY (Invoke = NotifySS [CFU, SS-Notification])
	message of call diversion	
ISDN parameter	CFU - partial rerouting	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

810705	ISDN ref. to:	PI MN ref. to:
010705		
	ETS 300 207-1 [15], subclause 10.5	ETS 300 566 [37], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/CFU/TC810705
ISDN selection criteria:	The user B is in network N2. Parti user is Notified of call diversion" =	al rerouting provided in PTNX in case of CFU ("calling No)
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public ne the private network (NT2) and per User A is not notified with a F message of call diversion.	twork acts on the call rerouting invocation request from forms rerouting towards the indicated address (user C). FACILITY (Invoke =NotifySS [CFU, SS-Notification])
ISDN parameter values:	CFU - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810801	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810801		
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion" = Yes, with diverted	to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	ser receives notification that the call has been	
	forwarded" = <b>Yes</b> ).		
PLMN selection	Call to a forwarding subscriber (CFB)		
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
User A is notified with a EACILITY (Invoke – NotifySS [CEP. SS Notified		V (Invoke - NotifySS [CEB_SS Notification])	
	message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFB, SS-Notification])		
	Notification]) of call diversion. User <b>B</b> is notified of call diversion with a EACH ITY message (DCB) about the		
talacommunications complex information user to user information		with a l'ACIEIT I message (DCR) about the	
	asheddress and the colling party A	fation, user-to-user information, served user D's	
	subaddress and the caring party A	s address.	
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	A: I GSM-BC=speech		
values:			
	C: ? GSM-BC=speech;		
Comments:			

810802	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 2
	subclause 9.2.4.3.	
		ETS 300 543 [31], subclause 2
	Subclause 9.2.5	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/CFB/TC810802
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>UDUB</b> ("calling user is notified of
criteria:	call diversion" = No, with diverted-	to number, "diverting number is released to the
	diverted-to User" = No, "served us	er receives notification that the call has been
	forwarded" = <b>No</b> ).	
	,	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A and P are not notified and	C is notified with of call diversion a FACILITY IF
	User A and D are not notified and C is notified with of call diversion a FACILITY IE	
	(Invoke =NotirySS [CFB,SS-Noti	fication]) contained in a SETUP message.
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=speech;	
values:		
	C: ?GSM-BC=speech;	
	<b>L</b> .	
Comments:		

810803	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-ISDN/Supplementar	y_services/Speech/CFB/TC810803	
ISDN selection	The user B is in network N	2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of	
criteria:	call diversion" = Yes, with a	liverted-to number, "diverting number is released to the	
	diverted-to user "= Yes, "se	erved user receives notification that the call has been	
	forwarded" = <b>Yes</b> ).		
PLMN selection	Call to a forwarding subscr	iber (CFB)	
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified with a EACILITY (Invoke – NotifySS [CEB_SS-Notification])		
message user $C$ is notified with a $E^{A}$		with a FACII ITY IF (Invoke –NotifySS [CFB SS-	
	Notification)) of call diversion		
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling	party A's address.	
ISDN parameter	CFB active		
values:			
PLMN parameter	A: ! GSM-BC=speech;		
values:			
	C: ? GSM-BC=speech;		
Comments:			

910904	ISDN rof to:	PI MN rof to:	
010004		PLININ Fer. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-ISDN/Supplementary	/_services/Speech/CFB/TC810804	
ISDN selection	The user B is in network N2	and is provided with CFB-NDUB ("calling user is notified of	
criteria:	call diversion" = No. with div	verted-to number. "diverting number is released to the	
	diverted-to User" = No "ser	ved user receives notification that the call has been	
	forwarded" $-No$		
PLMN selection	Call to a forwarding subscril	Call to a forwarding subscriber (CFB)	
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A and B are not notified and C is notified of call diversion with a FACILITY IE		
	(Invoke =NotifySS (CFB, S	S-Notification) contained in a SETUP message.	
		<i>,</i>	
ISDN parameter	CFB active		
values:			
PLMN parameter	A: ! GSM-BC=speech:		
values:			
	C: ? GSM-BC=speech:		
	et t estit be specen,		
Comments:			

810805	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5	ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/CFB/TC810805	
ISDN selection	The user B is in network N2 and is	s provided with CFB ("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to	number, "diverting number is released to the diverted-	
	to User" = Yes, "served user rece	ives notification that the call has been forwarded" =	
	Yes).		
PI MN soloction	Call to a forwarding subscriber (C	Call to a ferwarding subscriber (CED)	
criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	To verify that a call is released correctly if CFB was not successful.		
	User A calls busy termination B (that one B-channel is free), the call is forwarded to		
	user C who is user determined use	er busy.	
ISDN parameter	CFB active, User B is in the UDU	B condition	
values:			
PLMN parameter	A: ! GSM-BC=speech;		
values:			
	C: ?GSM-BC=speech;		
Comments:	User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message.		
	user <b>C</b> is notified of call diversion	with a FACILITY IE (Invoke =NotifySS [CFB,SS-	
Notification]) included in the incoming SETUP message from the network		ning SETUP message from the network.	
		n with a FACILITY message (DCP) about the	
	tale communications coming information was to use information and		
	rejection information and the service information, user-to-user information, served user B's		
	subaddress and the canning party A	A S address.	

810806	ISDN ref. to:	PI MN ref. to:
010000	ETS 200 207 1 [15]	
	E 13 300 207 - 1 [13],	ETS 300 566 [37] subclause 2
	Subclause 10.5	L15 500 500 [57], subchause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/CFB/TC810806
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion" = Yes, with diverted-to number).
DI MNI coloction	Outline a ferroradian automitian (OED)	
PLMN selection criteria:		.в)
Test purpose:	User A calls user B. The public net the private network (NT2) and perf	work acts on the call rerouting invocation request from orms rerouting towards the indicated address (user C).
	User <b>A</b> is notified with a FACI	LITY (Invoke =NotifySS [CFB, SS-Notification])
	message of call diversion.	
ISDN parameter	CFB – partial rerouting	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

810807	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15].	
	subclause 10.5	ETS 300 566 [37], subclause 2
	Subciause 10.5	
		FTS 300 543 [31] subclause 2
		E15 500 545 [51], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_serv	vices/Speech/CFB/TC810807
ISDN selection	The user B is in network N2. Part	tial rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call div	$v_{\rm ersion} = N_0$
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:	Č (	,
Test nurnose:	User A calls user B. The public network acts on the call rerouting invocation request from	
	the private network (NT2) and performs rerouting towards the indicated address (user C).	
	User <b>A</b> is <b>not</b> notified with a	FACILITY (Invoke = NotifySS [CFB_SS-Notification])
	message.	
ISDN parameter	CFB – partial rerouting	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

810808	ISDN ref. to:	PI MN ref. to:	
010000	ETS 200 207 1 [15]		
	E 13 300 207-1 [13], subclause 10 5	ETS 300 566 [37] subclause 2	
	Subclause 10.5	L15 500 500 [57], subenuise 2	
		ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/CFB/IC810808	
ISDN selection	The user B is in network N2. Part	ial rerouting provided in PTNX in case of CFB-UDUB	
criteria:	("calling user is Notified of call div	ersion" <b>= Yes</b> , with diverted-to number).	
PLMN selection	Call to a forwarding subscriber (CFB)		
criteria:			
Test purpose:	User A calls user B. The public ne the private network (NT2) and per	twork acts on the call rerouting invocation request from forms rerouting towards the indicated address (user C).	
	User <b>A</b> is notified with a FAC	ILITY (Invoke = NotifySS [CFB, SS-Notification])	
	message of call diversion.		
ISDN parameter	CFB – partial rerouting	CFB – partial rerouting	
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:			

	harry a s	
810809	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15].	
	subclause 10.5	ETS 300 566 [37], subclause 2
	Subclause 10.5	
		ETS 300 543 [31] subclause 2
		E15 500 545 [51], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CFB/TC810809
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	rsion" - No)
ontena.		<b>1</b> 31011 <b>– 110</b> <i>j</i> .
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:	J J	,
Test nurnose:	User A calls user B. The public network acts on the call rerouting invocation request from	
	the private network (NT2) and perfe	orms rerouting towards the indicated address (user C).
	User <b>A</b> is not notified with a FA	ACILITY (Invoke =NotifySS [CFB, SS-Notification])
	message of call diversion.	
	C	
ISDN parameter	CFB – partial rerouting	
values		
PI MN parameter	GSM-BC-speech	
	COM-DO-Speech	
values:		
Comments:		

810901	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	
	2.2.	ETS 300 566 [37], subclause 3
	subclause 9 2 4 4	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
	300012030 3.2.5	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CFNR/TC810901
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" =	Yes, with diverted-to number, "diverting number is
	released to the diverted-to user "=	Yes).
PLMN selection	Call to a forwarding subscriber (CF	·NR)
criteria:	· · · · · · · · · · · · · · · · · · ·	,
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
		_,
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	User <b>A</b> is Notified with a FACILITY	(Invoke -NotifySS [CENR SS-Notification]) message
Comments.	USER A IS NOULIEU WILL A FACILITY (INVOKE = NOULYSS [CFINE, SS-NOULICATION]) MESSAGE,	
	User C is notified or call diversion with a FACILITY IE (Invoke = Notifiestion) included in the incoming SETUD message from the network	
	Inouncation) included in the incoming SETOP message from the network.	
	User $\mathbf{P}$ is Notified of call diversion with a FACILITY message (DCD) shout the	
	User <b>D</b> is nounied of call diversion with a FACILIT T message (DCR) about the	
	telecommunications service inform	lation, user-to-user information, served user B's
	subaddress and the calling party A	's address.

810902	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	
	2.2.	ETS 300 566 [37], subclause 3
	subclause 9 2 4 4	
		ETS 300 543 [31] subclause 3
	300010036 3.2.3	215 500 5 15 [51], subchube 5
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CFNR/TC810902
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" =	<b>No</b> , with diverted-to number, "diverting number is
ontonia.	released to the diverted to User" -	No)
		NO).
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:	5 (	,
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user	
	С.	
	0.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	User A and user B are not Notified	and user C is Notified of call diversion with a
	FACILITY IE (Invoke =NotifySS [CI	FNR,SS-Notification]) included in the incoming SETUP
	message from the network.	
	Ŭ	

810903	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 3	
	subclause 9.2.4.4,		
	subclause 9.2.5	ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-ISDN/Supplementary_ser		
	The user D is in network NO and	is previded with CEND (antian D immediate values)	
ISDN Selection	("colling upor is Notified of coll di	is provided with CFINR (option B, inimediate release)	
criteria:	( calling user is notified of call of	version = res, with diverted-to number, diverting	
	number is released to the diverte	3d-to user = Yes).	
PLMN selection	Call to a forwarding subscriber (	Call to a forwarding subscriber (CFNR)	
criteria:			
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
ISDN parameter	CFNR active		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	User <b>A</b> is Notified with a FACILITY (Invoke =NotifySS [CFNR, SS-Notification]) message, user <b>C</b> is Notified of call diversion with a FACILITY IE (Invoke =NotifySS [CFNR,SS-Notification]) included in the incoming SETUP message from the network.		
	User <b>B</b> is Notified of call diversi telecommunications service infor subaddress and the calling party	on with a FACILITY message (DCR) about the rmation, user-to-user information, served user B's A's address.	

810904	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CFNR/TC810904
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion" = No, with diverted-to number, "diverting
	number is released to the diverted-to User" = <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS [CFNR,SS-Notification]) included in the incoming SETUP message from the network.	

<b>F</b>	<b>T</b>	1	
810905	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 3	
	subclause 9.2.4.4.		
	subclause 9.2.5	ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CFNR/TC810905	
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)	
criteria:	("calling user is Notified of call dive	ersion" = Yes, with diverted-to number, "diverting	
	number is released to the diverted-	to User" = Yes).	
PLMN selection	Call to a forwarding subscriber (CF	NR)	
criteria:			
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CENR was not		
	successful.		
	Ensure that when user A calls u	user B. if unanswered, the call is forwarded to user C	
	who is user determined user busy		
	who is user determined user susj.		
ISDN parameter	CENR active		
values:			
PI MN narameter	GSM-BC=speech		
	Solvi-DO-speech		
Comments:	User A is Notified with a FACILITY (Invoke =NotifySS [CFNR, SS-Notification]) message,		
	user C is Notified of call diversion v	with a FACILITY IE (Invoke =NotifySS [CFNR,SS-	
	Notification]) included in the incoming SETUP message from the network.		
	User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address.		
	81 5		

810906	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 9.2.2.	ETS 300 566 [37], subclause 3	
	subclause 10.5		
		ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-ISDN/Supplementary_servio	ces/Speech/CFNR/TC810906	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR	
criteria:	(option A, late release) ("calling us	er is Notified of call diversion" = Yes, with diverted-to	
	number).		
PLMN selection	Call to a forwarding subscriber (CFNR)		
criteria:			
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C)		
	User <b>A</b> is notified with a FACILITY (Invoke = NotifySS [CFNR_SS-Notification])		
manage of cell diversion			
	message of can diversion.		
ISDN parameter	CFNR - partial rerouting		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:			

810907	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], subclause 9.2.2,	ETS 300 566 [37], subclause 3	
	subclause 10.5	ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-ISDN/Supplementary	y_services/Speech/CFNR/TC810907	
ISDN selection criteria:	The user B is in network N2 (option A, late release) ("ca	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" <b>= No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS [CFNR SS-Notification]) message of call diversion.		
ISDN parameter values:	CFNR - partial rerouting		
PLMN parameter values:	GSM-BC=speech		
Comments:			

910009	ICDN rof to:	DI MNI rof. to:
810908	ISDN ref. to:	PLWIN ref. to:
	EN 300 403-1 [1], subclause 9.2.2	
	,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CFNR/TC810908
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option
criteria:	B, immediate release). ("calling user is Notified of call diversion" <b>= Yes</b> , with diverted-to number).	
PL MN selection	Call to a forwarding subscriber (CENP)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C).	
	User A is notified with a FACI	LITY (Invoke =NotifySS [CFNR, SS-Notification])
	message.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

810909	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1],		
	subclause 9.2.2,	ETS 300 566 [37], subclause 3	
	subclause 9.2.4.4,	ETS 200 542 [21] =	
	subclause 9.2.5	E1S 300 543 [31], subclause 3	
TSS reference:	PLMN-ISDN/Supplementary_	_services/Speech/CFNR/TC810909	
ISDN selection	The user B is in network N2.	Partial rerouting provided in PTNX in case of CFNR	
criteria:	(option B, immediate release	(option B, immediate release). ("calling user is Notified of call diversion" = No).	
PLMN selection	Call to a forwarding subscriber (CFNR)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation reques the private network (NT2) and performs rerouting towards the indicated address (u		
	User A is <b>not</b> notified with a FACILITY (Invoke =NotifySS [CFNR SS-		
	Notification]) message.		
ISDN parameter values:	CFNR - partial rerouting		
PLMN parameter values:	GSM-BC=speech		
Comments:			

811001	ISDN ref. to:	PLMN ref. to:
ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	ETS 300 544 [32], subclause 2	
		ETS 300 567 [38], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/HOLD/TC811001
ISDN selection criteria:	The calling user is provided with HOLD	
PLMN selection criteria:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

811002	ISDN ref. to:	PLMN ref. to:	
	ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	ETS 300 544 [32], subclause 2	
		ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-ISDN/Supplementary_serv	ces/Speech/HOLD/TC811002	
ISDN selection criteria:	The called user is provided with H	The called user is provided with HOLD	
PLMN selection criteria:	HOLD		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.		
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

811101	ISDN ref. to:	DI MNI rof to:	
011101	ISDN 161. 10.		
	EN 300 403-1 [19], subclause 7 EN 300 403-1 [1], subclause	ETS 300 544 [32], subclause 1	
	4.5.2.1	ETS 300 567 [38], subclause 1	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/CW/TC811901	
ISDN selection criteria:	The called user is provided with C	The called user is provided with CW	
PLMN selection criteria:	CW		
Test purpose:	Ensure that the called ISDN user is	Ensure that the called ISDN user is busy, the called user is notified of the call waiting.	
ISDN parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

811102	ISDN ref. to:	PLMN ref. to:
	ETS 300 058-1 [19], subclause 7 EN 300 403-1 [1], subclause 4.5.2.1	ETS 300 544 [32], subclause 1 ETS 300 567 [38], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CW/TC811102
ISDN selection criteria:	The called user is provided with CW	
PLMN selection criteria:	CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

811201	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13]	
	subclause 9.1.1.1,	ETS 300 557 [35], subclause 10.5.4.25,
	subclause 9.1.2.1	
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/UUS1/TC811201
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
ISDN parameter values:	BC=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811202	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.1	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/UUS1/TC811202
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation information element included in the calling user.	of UUS1, the network can transport a User-user ALERTING message sent from the called user to the
ISDN parameter values:	BC=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811203	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.1	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	PLMN-ISDN/Supplementa	ry_services/Speech/UUS1/TC811203
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter	BC=speech, UI length=32	
values:		
PLMN parameter values:	GSM-BC=speech, UI length=32	
Comments:		
comments.		

811204	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.2.1a	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1],	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/UUS1/TC811204
ISDN selection	UUS1i	
DI MAL coloction	The colling (conved) upor is provide	- d with LUICA implicit request
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811205	ISDN ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.2.1b	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1],	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/UUS1/TC811205
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user	
ISDN parameter values:	BC=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811206	ISDN ref. to: ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	PLMN ref. to:
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/UUS1/TC811206
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	To verify that UUI can be discarded by the ISDN network without disrupting Normal call handling	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

## NON-SYMMETRICAL TESTS

820101	ISDN ref. to:	PLMN ref. to:
	ETS 300 055-1 [12],	
	subclause 9.2.1	ETS 300 646-1subclause 6.1.1.3
	EN 300 403-1 [1], subclause 5.6	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/TP/TC820101
ISDN selection criteria:	ТР	
PLMN selection criteria:		
Test purpose:	Ensure that the calling user is notified of the call suspension and resumption by the called user	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The called user has a basic access	3

820102	ISDN ref. to:	PLMN ref. to:
	ETS 300 055-1 [12],	
	subclause 9.2.2	ETS 300 646-1 subclause 6.1.1.3
	EN 300 403-1 [1], subclause 5.6.5	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/TP/TC820102
ISDN selection criteria:	ТР	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call re- establishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The called user has a basic access	3

820201	ISDN ref. to:	PLMN ref. to:
	ETS 300 130-1 [16]	
		ETS 300 646-1subclause 6.1.1.7
TSS reference:	PLMN-ISDN/Supplementary	_services/Speech/MCID/TC820201
ISDN selection criteria:	MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID is invoke registered.	ed by the called user in the Active call state, the call is
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820202	ISDN ref. to:	PLMN ref. to:
	ETS 300 130-1 [16]	
		ETS 300 646 1 subclause 6 1 1 7
		L15 500 040-1subclause 0.1.1.7
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/MCID/TC820202
ISDN selection	MCID	
critoria	-	
criteria.		
PLMN selection		
criteria:		
Test mumores	Ensure that if MCID in involved by t	he called upor in the Disconnect Indiaction call state
Test purpose:	Ensure that it would in invoked by the called user in the Disconnect indication call state,	
	the call is registered.	
	-	
ISDN Parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values		
values.		
Comments:		

820301	ISDN ref. to:	PI MN ref. to:
020001		
	EN 300 403-1 [1] Subclause 5.2	ETS 300 517 ETS 300 545
		L15 500 517, L15 500 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820301	
ISDN selection	MTPY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C.	
	User A is terminating the entire mu	ilti party call.
ISDN Parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The ISDN user B is in network N2.	The PLMN user A and PLMN user C are in network
	N1. User A calls user B. After call e	establishment user A initiates call hold. Then user A
	calls user C. After call establishme	nt user A invokes the MPTY service by sending a
	FACILITY message to the network	containing the BuildMTPY request which indicates to
	the network that the mobile subscr	ber wishes all his calls to be connected together in a
	multi party call. User A is terminatil	ng the entire multi party call.

020202		DI MNI set to
020302	ISDN ret. to:	PLMN ret. to:
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/MPTY/TC820302
ISDN selection criter <u>i</u> a:	MPTY	
PLMN selection criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The ISDN user B is in network N2. N1. User A calls user B. After call e calls user C. After call establishme FACILITY message to the network the network that the mobile subscr multi party call. The call clearing pu	The PLMN user A and PLMN user C are in network establishment user A initiates call hold. Then user A ant user A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to iber wishes all his calls to be connected together in a rocedure to user B is performed from user A.

820303	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/MPTY/TC820303	
ISDN selection criteria:	MPTY	MPTY	
PLMN selection criteria:			
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:	User A calls user B. After call esta user A calls user C. After call esta sending a FACILITY message to indicates to the network that the n together in a multi party call.	ablishment user A initiates call hold. Then ablishment user A invokes the MPTY service by the network containing the BuildMTPY request which abile subscriber wishes all his calls to be connected	

-		
820304	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820304	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single active call.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold	
	notifications to the remote parties	on hold in the MPTY call.

820305	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2	ETS 200 517 ETS 200 545
		E15 300 317, E15 300 343
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820305	
ISDN selection criteria:	МРТҮ	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

820306	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820306	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	
User B is clearing the A-B Active call. After the completion of the F a FACILITY message with a transaction identifier corresponding to MPTY, user A terminates the multi-party call.		call. After the completion of the Retrieve function with action identifier corresponding to any call in the ti-party call.

820307	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820307	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	
	User C is clearing the MPTY held	call. User B is clearing the A-B Active call.

820308	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820308	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	
	User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

820309	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1] subclause 5.2		
		ETS 300 517, ETS 300 545	
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820309		
ISDN selection	MPTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network		
	N1.Ensure that the user A can establish a MPTY call to user B and user C and separate		
	the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY		
	HELD). After initiating of call hold, the call A-B has an ACTIVE -HOLD- REQUEST		
	connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD /		
	MPTY ACTIVE).		
	User A is terminating the multi par	ty call. User B is clearing the Active-Held call.	
ISDN Parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:			

820310	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1 [1] subclause 5.2	ETS 300 517, ETS 300 545		
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/Speech/MPTY/TC820310		
ISDN selection criteria:	MPTY			
PLMN selection criteria:				
Test purpose:	Image: Fest purpose:         The ISDN User B is in network N2. The PLMN user A and PLMN user C are N1.			
	Ensure that the user A can establis	Ensure that the user A can establish a MPTY call to user B and user C and		
	separate the remote user B from the multi-party call which is placed on hold			
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.			
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).			
	User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.			
ISDN Parameter values:	BC=speech			
PLMN parameter values:	GSM-BC=speech			
Comments:				

820311	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1] subclause 5.2		
		ETS 300 517, ETS 300 545	
TSS reference:	PLMN-ISDN/Supplementary_servio	L ces/Speech/MPTY/TC820311	
		•	
ISDN selection criteria:	MPTY		
PLMN selection criteria:			
Test purpose:	East purpose:The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE – HOLD- REQUEST connection.		
	<ul> <li>After the completion of the Retrieve function concerning the MPTY call, the MPTY calls is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).</li> <li>User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.</li> </ul>		
	Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold		
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).		
	User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			
820401	ISDN ref. to:	PI MN ref to:	
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020101	ETS 200 260 1 [20] autolouos 0		
	E 15 300 369-1 [20], subciause 9	ETS 200 557 [25] subclause 5.2	
		E15 500 557 [55], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/ECT/TC820401	
ISDN selection	ECT		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN User B is in network N2 and is provided with ECT using implicit linkage. The		
	FLIVIN USELA AND THE FLIVIN USER		
	Ensure that when user B invokes F	CT in which the call <b>A</b> - <b>B</b> is in the <b>Active call state</b> –	
	Call Held auxiliary state and the call <b>R</b> -C is in the Active call state a connection		
	hat we are a set of the set of th	Lished and the sells A D and D C are released. The	
	between user A and user C is estab	lished and the calls A-B and B-C are released. The	
	call clearing procedure of the B-C	connection is performed from user B.	
ISDN Parameter	BC=speech		
values:	•		
PLMN parameter	GSM-BC=speech		
values:			
Comments:			
1			

000400		
820402	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/ECT/TC820402
ISDN selection	ECT	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 a	and is provided with ECT using implicit linkage. The
	PLMN user A and PLMN user C are in network N1.	
	Ensure that when user B invokes E	CT in which the call <b>A-B</b> is in the <b>Active call sate</b> and
	the call <b>B-C</b> is in the <b>Active call st</b>	ate – Call Held auxiliary state. a connection
	between user A and user C is estab	lished and the calls A-B and B-C are released. The
	call clearing presedure of the D C	connection is performed from user C
	can clearing procedure of the B-C	connection is performed from user C.
ISDN Parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

820403	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/ECT/TC820403
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. Ensure that when user B invokes ECT in which the call <b>A-B</b> is in the <b>Active call state - Call Held auxiliary state</b> and the call <b>B-C</b> is in the <b>Call Delivered State</b> a connection between user A and user C is established and the calls A-B and B-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820404	ISDN ref. to:	PLMN ref. to:
	ETS 300 369-1 [20], subclause 9	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/ECT/TC820403	
ISDN selection	ЕСТ	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. Ensure that when user B invokes ECT in which the call <b>A-B</b> is in the <b>Active call state</b> and the call <b>B-C</b> is in the <b>Call Delivered State - Call Held auxiliary state</b> , a connection between user A and user C is established and the calls A-B and B-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820501	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207		
		ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CD/TC820501	
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is	
criteria:	"clear call on invocation".	"clear call on invocation".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2	and is provided with CD.	
	The PLMN user A and PLMN user C are in network N1.		
	Ensure that when user A calls user Received call state N07. Then user information element coded as Calll the call deflection to user C. Aftery DISCONNECT message with caus result component.	B, the local exchange of user B goes to the Call B sends a FACILITY message containing a Facility Deflection invoke component. The network performs wards the network shall release user B with a se #31 and a facility IE with a CallDeflection return	
ISDN Parameter	BC=speech		
values:			
PLMN parameter values:	GSM-BC=speech		
Comments:			

000500		
820502	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servio	ces/Speech/CD/TC820502
		•
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation"	
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2	and is provided with CD. The PLMN user A and PLMN
	user C are in network N1.	
	Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a	
	DISCONNECT message with cause	e #31 and a facility IE with a CallDeflection return
	result component	
	result component.	
ISDN Parameter	BC=speech	
values:		
PI MN narameter	GSM-BC=speech	
values:		
Comments:		
Comments.		

820503	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_ser	vices/Speech/CD/TC820503
ISDN selection	CD; Network provider option "ser	ved user call retention on invocation of diversion" is
criteria:	"clear call on invocation"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1.	
	Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820504	ISDN ref. to:	PLMN ref. to:	
		ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_se	rvices/Speech/CD/TC820504	
ISDN selection criteria:	CD; Network provider option "se "retain call until alerting begins	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

820505	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207		
		ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/CD/TC820505	
ISDN selection	CD; Network provider option "serv	ed user call retention on invocation of diversion" is	
criteria:	retain call until alerting begins at	"retain call until alerting begins at diverted-to user"	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1.		
	Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

820506	ISDN ref. to: ETS 300 207	PLMN ref. to: ETS 300 557 [35], subclause 5.2	
Too reference.			
ISDN selection criteria:	CD; Network provider option "se "retain call until alerting begins a	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

820507	ISDN ref. to: ETS 300 207	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CD/TC820507
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820508	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	
		ETS 300 557 [35] subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/Speech/CD/TC820508
ISDN selection	CD: (Network provider option "serv	ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	liverted-to user")
ornena.		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820509	ISDN ref. to:	PLMN ref. to:	
	E13 300 207	ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplemental	ry_services/Speech/CD/TC820509	
ISDN selection criteria:	CD; Network provider optic "retain call until alerting be	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25 receives a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

820510	ISDN ref. to: ETS 300 207	PLMN ref. to: ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_s	ervices/Speech/CD/TC820510	
ISDN selection criteria:	CD; Network provider option "s "retain call until alerting begins	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=speech	BC=speech	
PLMN parameter values:	GSM-BC=speech		
Comments:			

820511	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207	ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_ser	vices/Speech/CD/TC820511	
ISDN selection criteria:	CD; Network provider option "see "retain call until alerting begins a	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=speech		
PLMN parameter values:	GSM-BC=speech		
Comments:			

820512	ISDN ref. to: ETS 300 207	PLMN ref. to: ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_serv	ces/Speech/CD/TC820512
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820601	ISDN ref. to:	PLMN ref. to:
		ETS 300 548 [34]
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/Call barring service/TC820601
ISDN selection criteria:		
PLMN selection criteria:	Call barring service	
Test purpose:	<ul> <li>The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams.</li> <li>Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.</li> </ul>	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820701	ISDN rof to:	DI MNI rof. to:
820701		PLIVIN ref. to:
	ETS 300 185-1 [14],	
	subclause 9.2.2, ANNEX A, Figure	E1S 300 646-1 subclause 6.1.1.8
	A.2	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/Speech/CONF/TC820701
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CONF. The PLMN user A and PLMN user C are in network N2.	
	Ensure that user A calls user B. Us	er B can establish a conference from the Active call
	state to user C	er b ean establish a conference from the retive ean
	state to user C.	
ISDN Parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	User A calls user B. After the ca	all establishment
	[in the (Active, Idle) state] user B s which shall contain a <b>BeginCONF</b> call to be added.	sends a FACILITY message including a Facility IE invoke component indicating the call reference of the
	The network shall respond to us witch shall contain a BeginCONF re	ser B with a FACILITY message including a Facility IE eturn result component in a Facility IE.

820801	ISDN ref. to:	PLMN ref. to:	
	ETS 300 188-1 [17].		
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/3PTY/TC820801	
ISDN selection	3PTY		
criteria:			
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY.		
	The PLMN user A and PLMN user C are in the network N1.		
	Ensure that user A calls user B. Us	ser B can establish a three-way conversation call with	
	user C. User B release the Active-	Idle connection. After the completion of the Retrieve	
	function, the call clearing procedure is performed from user B.		
ISDN Parameter	BC=speech		
Values:	CSM PC, apageb		
values:	GSIN-BC=speech		
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection. User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection.		
	When user B sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established.		
	On receipt of a DISCONNECT message from the user B relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user A the notification "Remote hold".		
	User B sends a RETRIEVE message for CRx. User B shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection.		
	The call clearing procedure is performed from user A.		

820802	ISDN ref. to:	PLMN ref. to:		
	ETS 300 188-1 [17].			
	subclause 9.2	ETS 300 646-1, subclause 6.1.1.14		
<b>T</b> 00 (				
ISS reference:	PLMN-ISDN/Supplementary_servi	ces/Speech/3PTY/TC820802		
ISDN selection	3PTY			
criteria:				
PLMN selection criteria:				
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY.			
	The PLMN user A and PLMN use	The PLMN user A and PLMN user C are in the network N1.		
	Ensure that user A calls user B. Us	er B can establish a three-way conversation call with		
	user C. User B release the Active-Idle connection. After the completion of the Retrieve			
	function, the call clearing procedu	re is performed from user B.		
ISDN Parameter values:	BC=speech			
PLMN parameter values:	GSM-BC=speech			
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection.			
	User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection.			
	When user B sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established.			
	On receipt of a DISCONNECT message from the user B relating to the Active-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection.			
	The call clearing procedure is performed from user C.			

## 6.2.8.2 Bearer capability "UDI"

Supplementary Services	
UDI	

830101	ISDN ref. to:	PI MN ref. to:
	ETS 300 092-1 [6], subclause 9.3, EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CLIP/TC830101
ISDN selection criteria:	The called user is provided with CL	IP
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, Calling party number PI=PA SI=NP, TON=national/international NPI=ISDN/Telephony numbering plan Calling party subaddress number	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party subaddress number	
Comments:		

830102	ISDN ref. to: ETS 300 092-1 [6] subclause 9.3	PLMN ref. to:
	EN 300 403-1 [1],	ETS 300 557 [35], subclause 9.3.23.2
	SUDCIAUSE 4.5.10	ETS 300 542 [57], subclause 1,
		ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CLIP/TC830102
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when No Calling party subaddress information element is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption;	
values.	Calling party number PI= PA, SI=	NP TON= national/international;
	NPI= ISDN/Telephony numbering	plan (ITU-T Rec. E.164 [25])
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830201	ISDN ref. to:	PLMN ref. to:
	ETS 300 093-1 [7], subclause 9.4.1: ETS 300 092-1 [6] /A2 Fig2	ETS 300 557 [35], 9.3.23.2 ETS 300 542 [57], subclause 2,
		ETS 300 565 [36], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CLIR/TC830201
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption; Calling party number: PI=PR, TON = unknown, NPI = unknown SI=NP	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party subaddress	
Comments:		

830301	ISDN ref. to:	PLMN ref. to:
	ETS 300 097-1 [8],	
	subclause 9.5.1	ETS 300 557 9.3.subclause 5.1, 9.3.23.2
		ETS 300 542 [57], subclause 3,
		ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/COLP/TC830301	
ISDN selection criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption;	
values:		
	Connected subaddress	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values:		
	PI= PA, SI=UPVP, TON= national/international, Connected subaddress,	
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

830302	ISDN ISDN ref. to:	PLMN ref. to:
	ETS 300 097-1 [8], subclause 9.5.1	ETS 300 557 9.3.subclause 5.1,
		ETS 300 542 [57], subclause 3,
		ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/COLP/TC830302
ISDN selection criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption,	
values:	Connected number: PI= PA SI=NP TON= national/international,	
	NPI= ISDN/Telephony numbering	plan (ITU-T Rec. E.164 [25] )
Comments:		

830401	ISDN ref. to:	PLMN ref. to:	
	ETS 300 098-subclause 19.3.1,	ETC 200 557 [25] and shares 0.2, sub-shares 5.1	
	subclause 9.4.1	E1S 300 557 [35] subclause 9.3, subclause 5.1,	
	ETS 300 097-1 [8] /A2 Fig 4	subclause 9.3.23.2	
		ETS 300 542 [57], clause 3	
		ETS 300 565 [36], clause 3	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/COLR/TC830401	
ISDN selection criteria:	COLR		
PLMN selection criteria:	The calling user is provided with COLP		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.		
	Ensure that when no Connected number is provided by the called user (and No Connected subaddress), the Connected number information element is network provided and delivered to the calling user without any digit information.		
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	GSM-BC=UDI with V.110/X.30 rate adaption,	
values:	Connected number PI=PR, SI=NP, TON=unknown, NPI=unknown		
Comments:			

830501	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10].		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4		
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830501		
ISDN selection	Calling user and called user belong to the <b>same</b> CUG;		
cintena.	CUG supplementary options: IA; r	ot ICB	
PLMN selection criteria:	CUG supplementary options: not OA; not ocb; not Pref. CUG		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allower not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI),		
	Suppress Pref. CUG (SPC), Suppress OA (SOA)		
	the called user receives a SETUP message with a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.		
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption:		
values:			
	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
	Suppre	ess OA (SOA)	
Comments:			

830502	ISDN ref. to:	PLMN ref. to:	
	FTS 300 138-1 [10]		
	subclause $9.2.2$	ETS 300 546 [33]	
	subclause 9.2.4		
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CUG/TC830502	
ISDN selection	The called user belongs to the san	ne CUG with the following CUG supplementary	
criteria:	options: IA; not ICB	-	
PI MN selection	The calling user belongs to a CUG	with the following CUG supplementary options: <b>OA</b> :	
criteria:	not ocb; not Pref. CUG		
Test purpose:	Ensure that when the calling u	ser belongs to a CUG with outgoing access allowed.	
	not outgoing calls barred within the	CUG and not preferential CUG and the <b>called</b> user	
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of	a SETUP message with the Facility IE which shall	
	contain a ForwardCUG-Info with C	UG Index (CI), Suppress Pref. CUG (SPC), Suppress	
	OA (SOA)		
	the colled many maximum a CETUD measure with a Equility IE which contains a		
	the called user receives a SETUP message with a Facility IE which contains a		
	cUGCall invoke component encode	ed as "Outgoing access with default value, CUG	
	index" and sends an ALEKTING o	r CONNECT message.	
ISDN narameter	BC-UDI with V 110/X 30 rate adar	tion: Facility IF with cl IGCall invoke component:	
	"Outgoing access with default value. CLIG index"		
values.			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;	
values:			
	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
	Suppre	ess OA (SOA);	
Comments:			

830503	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4	FTS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/UDI/CUG/TC830503	
ISDN selection	The called user belongs to the sa	me CUG with the following CUG supplementary	
criteria:	options: IA; not ICB	options: IA; not ICB	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.		
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption;		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values:	ForwardCUG-Info: CUG Ind	lex (CI);	
	Supp	ress Pref. CUG (SPC);	
Comments:			

830504	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	ETS 300 546 [33]
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CUG/TC830504
ISDN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: IA; ICB	
PLMN selection criteria:	The calling user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	ForwardCUG-Info: CUG Index (CI);	
	Suppr	ess Pref. CUG (SPC);
Comments:		

020505		DI MNI vot to.	
830505	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4		
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CUG/TC830505	
ISDN selection	The called user belongs to the <b>sam</b>	e CLIG with the following CLIG supplementary	
criteria:	ontions: IA: not ICB		
onterna.			
PLMN selection	The calling user belongs to a CLIG with the following CLIG supplementary options: $\mathbf{OA}$ :		
criteria:	not och: not Pref. CUG		
Test purpose:	Ensure that when the calling user	belongs to a CUG with outgoing access is allowed, not	
	outgoing calls barred within the CLIG and not preferential CLIG and the <b>called</b> user		
	belongs to the same CLIG with inco	ming access allowed and not incoming calls barred	
within the CLIG after the receipt of a SETI IP message with the Facility IE		a SETLIP message with the Facility IF which shall	
	contain a Eory artch life locality of a SE for message with the Facility in which shall		
	the called user receives a SETU	IP message with a Facility IF	
	the caned user receives a SETC	i message with a Paemty IE.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption: Facility IF with cUGCall invoke component:		
values:	"Outgoing access with default value CLIG index"		
values.			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption:		
values:		• *	
	ForwardCUG-Info: Suppress I	Pref. CUG (SPC);	
Comments:			

830506	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10], subclause 9.2.2	ETS 300 546 [33]	
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CUG/TC830506	
ISDN selection criteria:	The called user is not a CUG sub	The called user is <b>not a CUG subscriber</b>	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE.		
ISDN parameter values:			
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI):		
	Suppr	ess Pref. CUG (SPC);	
Comments:			

830507	ISDN ref. to:	PI MN ref. to:
000001		
	subclause 9.2.3	ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CUG/TC830507
ISDN selection criteria:	The called user belongs to CUG w not ICB	ith the following CUG supplementary options: <b>not IA;</b>
PLMN selection criteria:	The calling user is not member of CUG	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value # "87 user not a member of CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption;
Comments:		

820508	ICDN ref. to:	
830308		PLWIN Fer. to:
	ETS 300 138-1 [10],	ETS 200 546 [22]
	subclause 9.2.2	E15 300 340 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_serv	vices/UDI/CUG/TC830508
ISDN selection	The called user is not member of	CUG
criteria:		
PLMN selection	The calling user belongs to a CU	G with the following CUG supplementary options: not
criteria:	OA; not ocb; not Pref. CUG	
rest purpose.	allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)	
	user with cause value # 87 "user not a member of CUG".	
ISDN parameter values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	ForwardCUG-Info: CUG	Index (CI);
	S	uppress Pref. CUG (SPC);
	S	uppress OA (SOA);
Comments:		

830509	ISDN ref. to:	PLMN ref. to:	
	ETS 300 138-1 [10],		
	subclause 9.2.2,	ETS 300 546 [33]	
	subclause 9.2.4		
		ETS 300 569 [39]	
TSS reference:	PLMN-ISDN/Supplementary_serv	ices/UDI/CUG/TC830513	
ISDN selection	The called user belongs to the sa	me CUG with the following CUG supplementary	
criteria:	options: not IA; ICB		
PLMN selection	The calling user belongs to a CUC	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria:	not ocb; not Pref. CUG		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value # 55 "incoming calls barred within CUG".		
ISDN parameter values:			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values:	ForwardCUG-Info: CUG Ind	ForwardCUG-Info: CUG Index (CI);	
	Supp	ress Pref. CUG (SPC);	
Comments:			

830510	ISDN ref. to:	PLMN ref. to:
	ETS 300 138-1 [10],	
	subclause 9.2.2,	ETS 300 546 [33]
	subclause 9.2.4	
		ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementar	y_services/UDI/CUG/TC830510
ISDN selection	Calling user and called use	r belong to the <b>same</b> CUG;
criteria.	CUG supplementary option	s: not IA; not ICB
PLMN selection criteria:	CUG supplementary options: not OA; not OCB; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption;; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	ForwardCUG-Info: CU	JG Index (CI).
Comments:		

830601	ISDN ref. to:	PLMN ref. to:	
	ETS 300 073-1, subclause 9.2		
	EN 300 403-1 [1], subclause 4.5.9	ETS 300 557 [35], subclause 9.3.23.1.5	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/SUB/TC830601	
ISDN selection criteria:	SUB		
PLMN selection criteria:	SUB		
Test purpose:	Ensure that when the Called party party subaddress is correctly delive	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, Called party subaddress		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:			

830602	ISDN ref. to:	PLMN ref. to:	
	ETS 300 061-1 [11],		
	subclause 9.2	ETS 300 557 [35], subclause 9.3.23.1.5	
	EN 300 403-1 [1], subclause 4.5	.9	
TSS reference:	PLMN-ISDN/Supplementary_ser	PLMN-ISDN/Supplementary_services/UDI/SUB/TC830602	
ISDN selection	SUB		
criteria:			
PLMN selection	SUB		
criteria:			
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information		
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, Called party subaddress		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress		
Comments:			

830701	ISDN rof to:	DI MN rof to:
830701	150N Tel. 10.	
	E15 300 207-1 [15],	ETS 300 566 [37] subclause 1
	subclause 9.2.2, subclause 9.2.5	E15 500 500 [57], subclause 1
		ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servio	L ces/UDI/CFU/TC830701
ISDN selection criteria:	The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user " <b>= Yes</b> , "served user receives notification that the call has been forwarded" = <b>Yes</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified with a FACILIT	Y (Invoke =NotifySS [CFU, SS-Notification])
	message, user $C$ is notified with a FACILITY IE (Invoke =NotifySS [CFUNOtification]) of call diversion.	
	User <b>B</b> is notified of call diversion telecommunications service inform subaddress and the calling party A	with a FACILITY message (DCR) about the nation, user-to-user information, served user B's ´s address.
ISDN parameter values:	CFU active	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption	
Comments:		

830702	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	ETS 300 566 [37], subclause 1
	subclause 9.2.2, subclause 9.2.5	ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CFU/TC830702
ISDN selection	The user B is in network N2 and is	provided with CFU ("calling user is notified of call
criteria:	diversion" = No, with diverted-to nu	umber, "diverting number is released to the diverted-to
	User" = No, "served user receives notification that the call has been forwarded" =No).	
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A and B are not notified and C is notified of call diversion with a	
	FACILITY IE (Invoke = NotifySS [C	FU,SS-Notification]) contained in a SETUP message.
ISDN parameter	CFU active	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	e adaption
values:		
Comments:		

830703	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 9.2.2, subclause 9.2.5	ETS 300 566 [37], subclause 1	
		ETS 300 543 [31], subclause 1	
TSS reference:	PLMN-ISDN/Supplementary_servic	es/UDI/CFU/TC830703	
ISDN selection	The user B is in network N2 and is	provided with CFU ("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-	
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"	
	=Yes).		
PLMN selection	Call to a forwarding subscriber (CF	U)	
criteria:			
Test purpose:	To verify that a call is released corr	ectly if CFU was not successful.	
	-		
	User A calls user B, the call is forwarded to user C who is user determined user busy. User A is notified with a FACILITY (Invoke =NotifySS [CFU, SS-Notification]) message, user C is notified of call diversion with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) included in the incoming SETUP message from the network.		
	TT		
	User <b>B</b> is notified of call diversion	with a FACILITY message (DCR) about the	
	telecommunications service inform	ation, user-to-user information, served user B's	
	subaddress and the calling party A	's address.	
ISDN parameter	CFU active		
values:			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption	
values:			
Comments:			

830704	ISDN ref. to:	PI MN ref. to:
000704	13DN Tel. 10.	
	ETS 300 207-1 [15],	ETS 200 566 [27] subslauss 1
	subclause 10.5	E15 500 500 [57], subclause 1
		ETS 300 5/3 [31] subclause 1
		E13 500 545 [51], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CFU/TC830704
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion" =	Yes)
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:		
Test purpose:	User A calls user B. The public nei the private network (NT2) and perf	twork acts on the call rerouting invocation request from orms rerouting towards the indicated address (user C).
	User <b>A</b> is notified with a FACI	LITY (Invoke =NotifySS [CFU, SS-Notification])
	message of call diversion.	
ISDN parameter	CFU – partial rerouting	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

830705	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],		
	subclause 10.5	ETS 300 566 [37], subclause 1	
		ETS 300 543 [31], subclause 1	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CFU/TC830705	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFU ("calling	
criteria:	user is Notified of call diversion" =	user is Notified of call diversion" = No)	
PLMN selection	Call to a forwarding subscriber (CFU)		
criteria:			
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from		
	the private network (NT2) and perf	orms rerouting towards the indicated address (user C).	
	User <b>A</b> is <b>not</b> notified with a F	ACILITY (Invoke =NotifySS [CFU, SS-Notification])	
	message of call diversion.		
	C C		
ISDN parameter	CFU – partial rerouting		
values:			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption		
values:		•	
Comments:			

830801	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],	ETS 300 566 [37], subclause 2	
	subclause 9.2.2,	ETS 300 543 [31], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5		
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFB/TC830801	
ISDN selection	The user B is in network N2 and is	provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion" = Yes, with diverted-	to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" =Yes ).		
PLMN selection	Call to a forwarding subscriber (CFB)		
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message,		
	user <b>C</b> is notified with a FACILITY IE (Invoke =NotifySS [CFB,SS-Notification]) of call		
	Liversion.	with a EACILITY manager (DCP) about the	
	telecommunications carvies inform	will a FACILITY message (DCR) about the	
	subaddress and the calling party A	allon, user-lo-user information, served user DS	
ISDN parameter	CERLIDUR active		
values:			
PLMN parameter	A: ! GSM-BC=UDI with V.110/X.30	rate adaption;	
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption;	
Comments:			

830802	ISDN ref. to: ETS 300 207-1 [15], subclause 9.2.2,	<b>PLMN ref. to:</b> ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
	subclause 9.2.4.3, subclause 9.2.5	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CFB/TC830802
ISDN selection criteria:	The user B is in network N2 and is provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion" <b>= No</b> , with diverted-to number, "diverting number is released to the diverted-to User" <b>= No</b> , "served user receives notification that the call has been forwarded" <b>=No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke =NotifySS [CFB,SS-Notification]) contained in a SETUP message.	
ISDN parameter values:	CFB active	
PLMN parameter values:	A: ! GSM-BC=UDI with V.110/X.30 rate adaption; C: ?GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830803	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207-1 [15],	ETS 300 566 [37], subclause 2	
	subclause 9.2.2,	ETS 300 543 [31], subclause 2	
	subclause 9.2.4.3,		
	subclause 9.2.5		
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CFB/TC830803	
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB("calling user is notified of	
criteria:	call diversion" = Yes, with diverted-	to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = <b>Yes</b> ).		
PLMN selection	Call to a forwarding subscriber (CFB)		
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message,		
	user <b>C</b> is notified with a FACILITY IE (Invoke =NotifySS [CFB,SS-Notification]) of call diversion.		
	User <b>B</b> is notified of call diversion v	vith a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A	´s address.	
ISDN parameter	CFB active;		
values:			
PLMN parameter	A: ! GSM-BC=UDI with V.110/X.30 rate adaption;		
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption;	
Comments:			

830804	ISDN ref. to: ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3,	<b>PLMN ref. to:</b> ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TCC reference.	subclause 9.2.5	
155 reference:	PLIVIN-ISDIV/Supplementary_servic	28/0DI/CFB/1C630604
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>NDUB</b> ("calling user is notified of
criteria:	call diversion" = <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User" = <b>No</b> , "served user receives notification that the call has been forwarded" = <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke =NotifySS (CFB, SS-Notification) contained in a SETUP message.	
ISDN parameter values:	CFB active	
PLMN parameter	A: I GSM-BC=UDI with V 110/X 30 rate adaption	
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption;
Comments:		

830805	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 9.2.2,	ETS 300 566 [37], subclause 2
	subclause 9.2.4.3,	
	subclause 9.2.5	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830805	
ISDN selection	The user B is in network N2 and is provided with CEB ("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to r	number, "diverting number is released to the diverted-
	to User" = Yes. "served user receiv	ves notification that the call has been forwarded" =
	Yes).	
	/	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (that one B-channel is free), the call is forwarded to	
	user C who is user determined user busy.	
		-
ISDN parameter	CFB active, User B is in the UDUB	condition
values:		
PLMN parameter	A: ! GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:	User <b>A</b> is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message.	
	user <b>C</b> is notified of call diversion with a FACILITY IE (Invoke =NotifySS [CFB,SS- Notification]) included in the incoming SETUP message from the network.	
		с с
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party $A$ 's address.	
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		A
830806	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 10.5	ETS 300 566 [37], subclause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CFB/TC830806
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call diversion" = Yes, with diverted-to number).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C).	
	User <b>A</b> is notified with a FACE	LITY (Invoke =NotifySS [CFB, SS-Notification])
	message of call diversion.	
ISDN parameter	CFB – partial rerouting	
Values:	ALCOMPC LIDI with V 110/V 20 rate adaption	
PLINN parameter	A: I GSIM-BC=UDI with V.110/X.30 rate adaption;	
values:		J rate adaption;
Comments:		

830807	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15],	
	subclause 10.5	ETS 300 566 [37], subclause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CFB/TC830807
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-NDUB</b> ("calling user is Notified of call diversion" <b>= No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is <b>not</b> notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	C: ? GSM-BC=UDI with V.110/X.3	0 rate adaption;
Comments:		

830808	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 10.5	ETS 300 566 [37], subclause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFB/TC830808
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-UDUB</b> ("calling user is Notified of call diversion" <b>= Yes</b> , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message of call diversion.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption;
Comments:		

830809	<b>ISDN ref. to:</b> ETS 300 207-1 [15]	PLMN ref. to:
	SUDCIAUSE 10.5	ETS 300 566 [37], subclause 2
		ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFB/TC830809
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-UDUB</b> ("calling user is Notified of call diversion" <b>= No</b> ).	
PLMN selection criter <u>i</u> a:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message of call diversion.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption;
Comments:		

830901	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	
	22	ETS 300 566 [37], subclause 3
	subclause 9 2 4 4	
	subclause 9.2.5	ETS 300 543 [31] subclause 3
	300012036 3.2.3	
TSS reference:	PLMN-ISDN/Supplementary service	ces/UDI/CFNR/TC830901
	, , , , , , , , , , , , , , , , , , ,	
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" =	Yes, with diverted-to number, "diverting number is
	released to the diverted-to user "=	Yes).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	A: ! GSM-BC=UDI with V.110/X.30	rate adaption;
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption:
Comments:	User <b>A</b> is Notified with a FACILITY	(Invoke =NotifvSS [CFNR, SS-Notification]) message.
	user <b>C</b> is Notified of call diversion with a EACII ITY IE (Invoke =NotifySS ICENE SS-	
	Notification) included in the incom	ing SETLIP message from the network
		ing de for message nom me network.
	User <b>B</b> is Notified of call diversion	with a FACII ITY message (DCR) about the
		ation was to was information around was D'a
	telecommunications service inform	auon, user-to-user information, served user B's
	subaddress and the calling party A	s address.

830902	ISDN ref. to:	PI MN ref. to:
000002	ETS 300 207-1 [15], subclause 9.	
	2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFNR/TC830902
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" =	<b>No</b> , with diverted-to number, "diverting number is
	released to the diverted-to User" = NO).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	<b>C: ?</b> GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS [CFNR,SS-Notification]) included in the incoming SETUP message from the network.	

830903	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9. 2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4, subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFNR/TC830903
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" = <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user "= <b>Yes</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	User <b>A</b> is Notified with a FACILITY (Invoke =NotifySS [CFNR, SS-Notification]) message, user <b>C</b> is Notified of call diversion with a FACILITY IE (Invoke =NotifySS [CFNR,SS-Notification]) included in the incoming SETUP message from the network.	
	User <b>B</b> is Notified of call diversion telecommunications service inform subaddress and the calling party A	a with a FACILITY message (DCR) about the nation, user-to-user information, served user B's s address.

820004	ISDN rof to:	DI MNI rof to
630904	ISDN ret. to:	PLMN fet. to:
	ETS 300 207-1 [15], subclause 9.	
	2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFNR/TC830904
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	ersion" = <b>No</b> , with diverted-to number, "diverting
	number is released to the diverted	-to User" <b>= No</b> ).
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.
ISDN parameter	CFNR active	
values:		
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption:	
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a	
	FACILITY IE (Invoke =NotifySS [CI	FNR,SS-Notification]) included in the incoming SETUP
	message from the network.	

000005		DI MNI and the	
830905	ISDN ret. to:	PLMN ref. to:	
	ETS 300 207-1 [15], subclause 9.		
	2.2,	ETS 300 566 [37], subclause 3	
	subclause 9.2.4.4,		
	subclause 9.2.5	ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CFNR/TC830905	
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)	
criteria:	("calling user is Notified of call dive	rsion" = Yes, with diverted-to number, "diverting	
	number is released to the diverted	number is released to the diverted to User" = Yes).	
PLMN selection	Call to a forwarding subscriber (CF	Call to a forwarding subscriber (CENR)	
criteria:			
Test purpose:	Ensure that when user A calls use	r B, the call is released correctly if CFNR was not	
	successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C		
	who is user determined user busy.		
ISDN parameter	CFNR active		
values:			
PLMN parameter	A: ! GSM-BC=UDI with V.110/X.30 rate adaption;		
values:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption;		
Comments:	User A is Notified with a FACILITY	(Invoke =NotifySS [CFNR, SS-Notification]) message,	
	user C is Notified of call diversion	with a FACILITY IE (Invoke =NotifySS [CFNR,SS-	
	Notification]) included in the incom	ing SETUP message from the network.	
	User <b>B</b> is Notified of call diversion	n with a FACILITY message (DCR) about the	
	telecommunications service inform	nation, user-to-user information, served user B's	
	subaddress and the calling party A	´s address.	
1			

830906	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9. 2.2,	ETS 300 566 [37], subclause 3
	subclause 10.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFNR/TC830906
ISDN selection criteria:	The user B is in network N2. <b>Partia</b> (option A, late release) ("calling use number).	Il rerouting provided in PTNX in case of CFNR er is Notified of call diversion" = Yes, with diverted-to
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS [CFNR, SS-Notification]) message of call diversion.	
ISDN parameter values:	CFNR – partial rerouting	
PLMN parameter values:	A: I GSM-BC=UDI with V.110/X.30 rate adaption; C: ? GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

000007		
830907	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	
	2.2.	ETS 300 566 [37], subclause 3
	subclause 10.5	
		ETS 300 543 [31] subclause 3
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CFNR/TC830907
ISDN selection	The user B is in network N2 Partia	I rerouting provided in PTNX in case of CENR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion" <b>= No</b> ).
	(	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C).	
	User <b>A</b> is <b>not</b> notified with a F	ACILITY (Invoke =NotifySS [CFNR SS-
	Notification) massage of call dive	reion
	Notification]) message of can urve	151011.
ISDN parameter	CFNR – partial rerouting	
values:		
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	C: ? GSM-BC=UDI with V.110/X.30	) rate adaption;
Comments:		

830008	ISDN rof to:	PI MN rof to:
830908		
	E IS 300 207-1 [15], subclause 9.	
	2.2,	E1S 300 566 [37], subclause 3
	subclause 9.2.4.4,	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFNR/TC830908
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling user is Notified of call diversion" <b>= Yes</b> , with diverted-to number).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS [CFNR, SS-Notification])	
	message.	
ISDN parameter	CFNR – partial rerouting	
values:		
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption;	
values:	<b>C: ?</b> GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

000000		
830909	ISDN ref. to:	PLMN ref. to:
	ETS 300 207-1 [15], subclause 9.	
	2.2,	ETS 300 566 [37], subclause 3
	subclause 9.2.4.4.	
	subclause 9.2.5	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CFNR/TC830909
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CENR	
criteria:	(option B, immediate release). ("calling user is Notified of call diversion" <b>= No</b> ).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	Viser A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C).           User A is not notified with a FACILITY (Invoke =NotifySS [CFNR SS- Notification]) message	
	(ourieuronj) messuge.	
ISDN parameter	CFNR – partial rerouting	
values:	······································	
PI MN parameter	A: LGSM-BC=UDI with V 110/X 30 rate adaption:	
values:	<b>C:</b> $2  GSM-BC-LIDI with V 110/X 30 rate adaption:$	
values.		
Comments:		

831001	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.1.1,	ETS 300 557 [35], subclause 10.5.4.25,
	subclause 9.1.2.1	
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831001	
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provided with UUS1 implicit request	
criteria		
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent	
	by the network to the called user	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption, UI length=32	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
values		
Comments:		

831002	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.1	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1],	
	subclause 4.5.30	
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831002	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

831003	ISDN ref. to:	PLMN ref. to:
	ETS 300 286-1 [13],	
	subclause 9.1.2.2.1a	ETS 300 557 [35], subclause 10.5.4.25,
	EN 300 403-1 [1], subclause 4.5.3	
	0	
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831003	
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

831004	ISDN ref. to ETS 300 286-1 [13],	PLMN ref. to:
	subclause 9.1.2.2.1b EN 300 403-1 [1], subclause 4.5.30	E13 300 357 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831004	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		
831005	ISDN rof to:	PI MN rof. to:
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001000	ETS 300 286-1 [13] subclause	r Linin Tei. (O.
	9.1.1.2.2	ETS 300 557 [35]
	EN 300 403-1 [1], subclause 7	
TSS reference:	PLMN-ISDN/Supplementary_servic	es/UDI/UUS1/TC831005
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	UUS1i	
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that UUI can be discarded b	y the network without disrupting Normal call handling
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adap	tion
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
values:		
Comments:		

840101	ISDN ref. to:	PLMN ref. to:
		ETS 300 548 [34]
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/Call barring service/TC840101
ISDN selection criteria:		
PLMN selection criteria:	Call barring service	
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country is except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

840201	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CD/TC840201
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMI user C are in network N1.	
	Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter	BC=UDI with V.110/X.30 rate adap	tion
Values:	CSM PC-UDI with V 110/X 20 rate	adaption
values:		adaption
Comments:		

840202	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207		
		ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_ser	vices/UDI/CD/TC840202	
ISDN selection criteria:	CD; Network provider option "set "clear call on invocation".	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N	2 and is provided with CD	
	The PLMN user A and PLMN user C are in network N1.		
	Ensure that when user A calls us Call Proceeding call state N09. T Facility information element cod performs the call deflection to us DISCONNECT message with ca result component.	er B, the local exchange of user B goes to the Incoming Then user B sends a FACILITY message containing a ed as CallDeflection invoke component. The network ser C. Afterwards the network shall release user B with a suse #31 and a facility IE with a CallDeflection return	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate ad	aption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 ra	ate adaption	
Comments:			

840203	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207		
		ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CD/TC840203	
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is	
criteria:	"clear call on invocation".	"clear call on invocation".	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 a	and is provided with CD.	
	The PLMN user A and PLMN user C are in network N1.		
	Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.		
ISDN Parameter	BC=UDI with V.110/X.30 rate adap	tion	
values:			
PLMN parameter values:	GSM-BC=UDI with v.110/X.30 rate	adaption	
Comments:			

0.4020.4		DI MAI and the
840204	ISDN ref. to:	PLMN ret. to:
	ETS 300 207	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CD/TC840204
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	retain call until alerting begins at c	liverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2	and is provided with CD. The PLMN user A and PLMN
	user C are in network N1.	'
	Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs	
	the call deflection to user C. On th	a indication that the diverted-to network is in the Call
	Received Call state N07 the user E	receives a DISCONNECT or RELEASE message
	with cause #31.	
ISDN Parameter	BC=UDI with V 110/X 30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

840205	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CD/TC840205
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	retain call until alerting begins at c	liverted-to user"
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 a	and is provided with CD
	The PLMN user A and PLMN user C are in network N1.	
	Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is it the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=UDI with V.110/X.30 rate adap	tion
values:		<u> </u>
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

840206	ISDN ref. to: ETS 300 207	PLMN ref. to: ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary	y_services/UDI/CD/TC840206	
ISDN selection criteria:	CD; Network provider option "retain call until alerting beg	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user").	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=UDI with V.110/X.30 rat	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:			

840207	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207		
		ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CD/TC840207	
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is	
criteria:	"retain call until alerting begins at diverted-to user".		
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 a	and is provided with CD	
	The PLMN user A and PLMN user C are in network N1.		
	Ensure that when user A calls user B, the local exchange of user B goes to the C Received call state N07. Then user B sends a FACILITY message containing a information element coded as CallDeflection invoke component. The network p		
	the call deflection to user C. On the indication that the diverted-to network is in the Connect Paguest call state NO8, the user R receives a DISCONNECT or RELEASE		
	Connect Request can state 1000, inc	e user D receives a DISCONNECT OF RELEASE	
ISDN Parameter	BC=UDI with V.110/X.30 rate adap	tion	
values:			
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption	
Comments:			

840208	ISDN ref. to: ETS 300 207	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servic	ces/UDI/CD/TC840208
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 a	and is provided with CD.
	The PLMN user A and PLMN user	C are in network N1.
	Ensure that when user A calls user Call Proceeding call state N09. The Facility information element coded performs the call deflection to user the Connect Request call state N08 message with cause #31.	B, the local exchange of user B goes to the Incoming en user B sends a FACILITY message containing a as CallDeflection invoke component. The network C. On the indication that the diverted-to network is in b, the user B receives a DISCONNECT or RELEASE
ISDN Parameter	BC=UDI with V.110/X.30 rate adapt	tion
values:		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

840209	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_service	ces/UDI/CD/TC840209
ISDN selection criteria:	CD, Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25 receives a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adap	tion
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

840210	ISDN ref. to: ETS 300 207	PLMN ref. to: ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementar	y_services/UDI/CD/TC840210	
ISDN selection criteria:	CD; Network provider optio "retain call until alerting beg	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=UDI with V.110/X.30 ra	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:			

840211	ISDN ref. to: ETS 300 207	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_servi	ces/UDI/CD/TC840211
ISDN selection	CD; Network provider option "serv	ed user call retention on invocation of diversion" is
criteria:	retain call until alerting begins at (	diverted-to user"
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=UDI with V.110/X.30 rate adapt	otion
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate	e adaption
Comments:		

840212	ISDN ref. to: ETS 300 207	PLMN ref. to: ETS 300 557 [35], subclause 5.2	
TSS reference:	PLMN-ISDN/Supplementary_	services/UDI/CD/TC840212	
ISDN selection criteria:	CD; Network provider option ' "retain call until alerting begin	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter values:	BC=UDI with V.110/X.30 rate	adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.3	0 rate adaption	
Comments:			

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

910101	ISDN ref. to:	PI MN ref. to:
010101	EN 200 402 4 [1]	
	EN 300 403-1 [1]	ETS 300 557 [35]
		ITU-T Rec. G 101
TSS reference:	PLMN-ISDN/ B-channel end-to-end	d performance /Speech/TC910101
ISDN selection criteria:	Data transmission	
PLMN selection criteria:	B-channel transmission	
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC= speech	
Comments:	The tests should be based on the I.	E-Model described in the ITU-T Rec. G. 101 Appendix

910201	<b>ISDN ref. to:</b> ETS 300 195-1 [21], subclause 5.29, subclause 5.27	PLMN ref. to: ETS 300 557 [35] ITU-T Rec. G 101
TSS reference:	PLMN-ISDN/ B-channel end-to-end	d performance /3,1 kHz audio ex PLMN /TC910201
ISDN selection criteria:		
PLMN selection criteria:		
Test purpose:	To ensure that 3,1 kHz signal trans	fer on the B-channel is performed correctly.
ISDN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	The tests should be based on the I.	E-Model described in the ITU-T Rec. G. 101 Appendix

910301	ISDN ref. to:	PLMN ref. to:
	ETS 300 195-1 [21],	
	subclause 5.29,	ETS 300 578 [55]
	subclause 5.27	
TSS reference:	PLMN-ISDN/ B-channel end-to-end	l performance/UDI/TC910301
ISDN selection criteria:	B-channel transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC = UDI, V.110 [47] /X.30 [49] synchronous mode; PRBS=2 <sup>11</sup> -1	
Comments:	The test should be based in the requirements described in the ETS 300 578 [55]	

## 6.2.10 Test purposes for PLMN-PSTN, Basic call

### 6.2.10.1 Successful

Successful	
Speech	

1010101	PSTN ref. to:	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2.1.4.1,
		subclause 5.5.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Speech/1010101
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The progress indicator information according to the coding of the addr 1 shows the sending criteria of eac	elements are created by the originating exchange ress complete message (ACM) in the ISUP. The table th value.

1010102	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	l/Speech/TC1010102
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter		
values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

1010103	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successf	ul/Speech/TC1010103
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	BC=speech	
Comments:		

1010104	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	i/Speech/TC1010104
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the reanswer procedur and reanswers. The SETUP messa HLC=telephony.	e is performed correctly when the called user clears age contains the GSM-BC=speech and can contain a
PSTN parameter values:		
PLMN parameter values:	BC=speech	
Comments:		

1010105	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.1, subclause 5.5.1,
		subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Speech/TC1010105
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:	The progress indicator information according to the coding of the addr 1 shows the sending criteria of eac	elements are created by the originating exchange ress complete message (ACM) in the ISUP. The table h value.

# Successful 3,1 kHz audio ex PLMN

PSTN ref. to:	PLMN ref. to:
ETS 300 001	
	ETS 300 557 [35] subclause 5 2 1 4 1
	210 500 557 [55], subchase 5.2.1.1.1,
	subclause 5.5.1, subclause 7.5.2
PLMN-PSTN/Basic_call/Successfu	l/3,1 kHz audio ex PLMN/1010201
Audio	
, idulo	
Ensure that the call is performed correctly. During call establishment a Progress indicator	
information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available".	
GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
The progress indicator information according to the coding of the addr 1 shows the sending criteria of eac	elements are created by the originating exchange ess complete message (ACM) in the ISUP. The table h value.
	PSTN ref. to: ETS 300 001 PLMN-PSTN/Basic_call/Successfu Audio Ensure that the call is performed co information element shall be return #1 "call is not end-to-end ISDN", #2 information or appropriate pattern r GSM-BC=3,1 kHz audio ex PLMN, The progress indicator information according to the coding of the addr 1 shows the sending criteria of eac

1010202	DCTN ref. to.	DI MNI ref. fer
1010202	PSIN ref. to:	PLWIN ret. to:
	ETS 300 001	
		ETS 300 557 [35] subclause 5.2.1 subclause 7.3.2
		115 500 557 [55], subciause 5.2.1, subciause 7.5.2
TSS reference:	PLMN-PSTN/Basic_call/S	uccessful/3,1 kHz audio ex PLMN /TC1010202
PSTN selection		
oritorio		
criteria:		
PLMN selection	Audio	
criteria <sup>.</sup>		
Test purpose:	Linsure that the clearing procedure is performed correctly when the calling user clears	
	after answer.	
PSTN parameter		
values:		
PL MN parameter	CSM BC-2 1 kHz audio o	x PLMNL voice hand data via moderni no LLC
PLWIN parameter		x PLIVIN, voice band data via modern, no LLC
values:		
Comments:		
•••••••		

1010203	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to:
		E1S 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/3,1 kHz audio ex PLMN /TC1010203
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the clearing procedure after answer.	is performed correctly when the called user clears
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN,	voice band data via modem, no LLC
Comments:		

1010204	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.1, subclause 5.5.1,
		subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/3,1 kHz audio ex PLMN /TC1010204
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that call establishment can be done with LLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available".	
PSTN parameter values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN,	voice band data via modem,
values:	LLC=3,1 kHz audio, voice band da	ata via modem
Comments:	The progress indicator information according to the coding of the addr 1 shows the sending criteria of eac	elements are created by the originating exchange ess complete message (ACM) in the ISUP. The table h value.

# Successful Facsimile group 3

1010301	PSTN ref. to:	PLMN ref. To:
	ETS 300 001	
		FTS 300 557 [35] subclause 5.2.1 subclause 5.5.1
		1 1 7 2 2
		subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Facsimile G3/TC1010301
PSTN selection		
criteria:		
PLMN selection	TS 62	
critoria:	10 02	
lest purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
values:		
Commonto	The progress indicator information	alaments are created by the originating exchange
comments.	The progress indicator information	elements are created by the originating exchange
	according to the coding of the addr	
	1 shows the sending criteria of eac	n value.

1010202	DCTN rof to:	DI MNI rof. To:
1010302	PSTN ref. to.	PLWIN ref. 10:
	ETS 300 001	
		ETS 300 557 [35] subclause 5.2.1 subclause 7.3.2
		E15 500 557 [55], subchause 5.2.1, subchause 7.5.2
TSS reference:	PLMN-PSTN/Basic_call/Suc	ccessful/Facsimile G3/TC1010302
PSTN selection		
criteria.		
	<b>TO</b> 00	
PLMN selection	15 62	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears	
	after answer	
	alter answer.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC = facsimile G3, HL	_C = Facsimile G2/G3
values:		
Comments:		
comments.		

1010303	PSTN ref. to: ETS 300 001	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/S	uccessful/Facsimile G3/TC1010303
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer	
PSTN parameter values:		
PLMN parameter values:	BC = facsimile G3, HLC =	Facsimile G2/G3
Comments:		

Successful	
Alternate speech and facsimile group 3	

1010401	PSTN ref. to:	PLMN ref. To:
	ETS 300 001	ETS 300 557 [35], subclause 5.2.1
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Alternate speech and facsimile G3/
	TC1010401	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
PSTN parameter values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, no	o HLC
Comments:		

1010402	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. To:   ETS 300 557 [35], subclause 5.2   ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PSTN/Basic_call/Successf TC1010402	ul/Alternate speech and facsimile G3/
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3,	
Comments:		

1010403	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	ETS 300 557 [35], subclause 5.2, subclause 5.5.1,
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PSTN/Basic_call/Success	ful/Alternate speech and facsimile G3/
	TC1010403	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 "In-band information or appropriate pattern now available".	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3,	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

1010404	PSTN ref. to:	PI MN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2, subclause 5.5.1
		ETS 300 604 [42], subclause 10.2.2
		ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PSTN/Basic_call/Suc	cessful/Alternate speech and facsimile G3/
	TC1010404	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 "In-band information or appropriate pattern now available".	
PSTN parameter values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile	G3, HLC= Facsimile G2/G3
Comments:	The progress indicator inform according to the coding of th 1 shows the sending criteria	nation elements are created by the originating exchange le address complete message (ACM) in the ISUP. The table of each value.

← Message sent to the MS	← ACM
Progress indicator	Content
information element	
No.1	Backward call indicators parameter
(Call is not end-to-end ISDN: further progress information may be available	ISDN user part indicator
	0 ISDN user Part
	not used all the way
No. 2	Backward call indicators parameter
(Destination address is non -ISDN	
	ISDN user part indicator
	1 ISDN user Part
	used all the way
	ISDN access indicator
	0 terminating access non-ISDN
No.8	Optional backward call indicator parameter
(In-band information or appropriate pattern now available)	
	In-band information indicator
	1 In-band info.

Successful	
Emergency Calls	

1010501	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1.4.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	l/Emergency Call/1010501
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	The progress indicator information according to the coding of the addr 1 shows the sending criteria of eac	elements are created by the originating exchange ess complete message (ACM) in the ISUP. The table h value.

1010502	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Emergency Call/TC1010502
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=	speech, no HLC
Comments:		

1010503	PSTN ref. to: ETS 300 001	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	l/Emergency Call/TC1010503
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

1010504 PSTN ref. to: PLMN ref. to:   ETS 300 001 ETS 300 557 [35], subclause 5.2.1, su		
ETS 300 001		
ETS 300 001		
ETS 200 557 [35] cubalance 5.2.1 cm		
E15 500 557 [55], subclause 5.2.1, su	bclause 7.3.2	
TSS reference: PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010504		
<b>PSTN selection</b> Emergency service;		
criteria:		
PLMN selection TS 12		
criteria:		
Test nurpose: Emergency call from MS with a valid SIM Card Ensure that the reanswer	Emergency call from MS with a valid SIM Card, Ensure that the reasswer procedure is	
performed correctly when the called user clears and reanswers. The SET	performed correctly when the called user clears and reanswers. The SETLIP message	
contains the CSM BC-sneech and can contain a HI C-tolophony	contains the GSM-BC-speech and can contain a HI C-telephony	
PSTN parameter		
values:		
PLMN parameter  EMERGENCY SETUP; GSM-BC=speech	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:		

1010505	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Emergency Call/TC1010505
PSTN selection	Emergency service;	
	<b>TO</b> 40	
PLMN selection criteria:	15 12	
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer.	
	The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network opera MSs which do not transmit an IMSI	tor whether to accept emergency calls coming from or a TMSI.

1010500		
1010506	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
	210 000 001	ETS 200 557 [25] autolouse 5.2.1 autolouse 7.2.2
		E15 500 557 [55], subclause 5.2.1, subclause 7.5.2
TSS reference:	PLMN-PSTN/Basic call/Successfu	I/Emergency Call/TC1010506
PSTN selection	Emergency service;	
criteria:		
	TO 40	
PLMN selection	IS 12	
criteria:		
Test nurnose:	Emergency call from MS without a SIM Card, Ensure that the clearing procedure is	
rest purpose.	performed correctly when the called upor closer offer answer. The SETUD measure	
	penomed conectly when the called user clears aller answer. The SETOP message	
	contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speecn	
values:		
Comments:	It is an option of the network operation	tor whether to accept emergency calls coming from
	MSs which do not transmit an IMS	lora TMSI

1010507	DOTN ref to:	DI MNI ref. to.
1010507	PSIN ref. to:	PLWIN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	I/Emergency Call/TC1010507
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech and can contain a HLC=telephony.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:	It is an option of the network operator whether to accept emergency calls coming from	
	MSs when the IMSI contained in th	e SIM Card is not recognized by the VLR.

1010508	PSTN ref. to: ETS 300 001	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successfu	l/Emergency Call/TC1010508
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech and a can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network opera MSs when the IMSI contained in th	tor whether to accept emergency calls coming from e SIM Card is not recognized by the VLR.

### 6.2.10.2 Unsuccessful

UNSUCCESSFUL	
Speech	

1020101	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS references	DI MN DSTN/Rasia call/Ling	subclause 7.5.2
155 reference:	FLIVIN-FSTN/Dasic_call/Ons	successial/Speech/1C1020101
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message conta	ins the GSM-BC=speech and can contain a HLC=telephony.

1020102	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 557 [35] subclause 5.2.1 subclause 5.4	
		15 500 557 [55], subciduse 5.2.1, subciduse 5.4	
		subclause 7.3.2	
TSS reference:	PLMN-PSTN/Basic_call/Unsucces	sful/Speech/TC1020102	
PSTN selection			
criteria:			
PI MN selection	TS 11		
oritorio			
Test purpose:	to the calling user with cause value #1 "unassigned (unallocated) number".		
DCTN noromotor			
PSTN parameter			
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	The SETUP message contains the	GSM-BC=speech and can contain a HI C=telephony	
oonnients:			
	NOTE, same DETMs and 11		
	NOTE: some PSTNs provide anno	buncements instead of sending cause value #1.	

1020103	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 5.4
		subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsu	ccessful/Speech/TC1020103
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the calling before answer from the called	user clears with cause value #16 "normal call clearing" I PSTN user, the call is cleared.
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message contain	s the GSM-BC=speech and can contain a HLC=telephony.

1000101		
1020104	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
	210 000 001	ETS 200 557 [25] $aubalauga 5.2.1$ $aubalauga 5.4$
		E15 500 557 [55], subclause 5.2.1, subclause 5.4
		subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsucces	sful/Speech/TC1020104
PSTN selection		
criteria:		
PLMN selection	TS 11	
	1011	
criteria:		
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate	
• •	call clearing to the calling user with	n cause value cause value
	gg	
	# 10 "no onewor from uson (uson of	anta d\"
	# 19 no answer from user (user an	ened).
2071		
PSIN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the	GSM-BC=speech and can contain a HLC=telephony.
	_	

# UNSUCCESSFUL 3,1 kHz ex PLMN

1020201	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 5.4, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsucces	sful/3,1 kHz ex PLMN/TC1020201
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when calling to a unall to the calling user with cause value	ocated PSTN number, the network initiate call clearing #1 "unassigned (unallocated) number".
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice	band data via modem
Comments:	NOTE: some PSTNs provide anno	uncements instead of sending cause value #1.

1020202	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 5.4
TSS reference:	PLMN-PSTN/Basic_call/Unsucces	stul/3,1 kHz ex PLMN/TC1020202
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called PSTN #17 "user busy" to the calling user.	user is busy the network transport the cause value
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice	band data via modem
Comments:		

1020203	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35], subclause 5.2.1, subclause 5.4
		subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccess	L sful/3.1 kHz ex PLMN/TC1020203
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from the called PST	N user, the call is cleared.
PSIN parameter		
		have all all the solid and the solid and
PLMN parameter	GSM-BC=3,1 KHZ ex PLMN, VOICE	band data via modem
values:		
Comments:		

1020204	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsucces	sful/3,1 kHz ex PLMN/TC1020204
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called PSTN call clearing to the calling user with (user alerted)".	user is ringing but not answering, the network initiate a cause value cause value # 19 "no answer from user
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice	band data via modem
Comments:		

# Unsuccessful

# Facsimile group 3

1020301	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 557 [35] Annex H 1 1
		210 500 557 [55], rimox 11.1.1
TSS reference:	PLMN-PSTN/Basic_call/l	Jnsuccessful/Facsimile G3/TC1020301
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the	
	calling user with cause va	alue #1 unassigned (unallocated) number .
PSTN parameter		
values:		
PLMN parameter	GSM-BC= facsimile G3	
values:		
Comments:	NOTE: some PSTNs prov	vide announcements instead of sending cause value #1.

100000	DOTN ref. to.	DI MNI ref. to.
1020302	PSIN ref. to:	PLMIN ref. to:
	ETS 300 001	
		ETS 300 557 [35] Anney H 1.6
		L15 500 557 [55], Alliex 11.1.0
TSS reference:	PLMN-PSTN/Basic_call/Unsuccess	sful/Facsimile G3/TC1020302
PSTN selection		
criteria:		
	TO 02	
PLMN selection	15.62	
criteria:		
Test purpose:	Ensure that when the called PSTN	user is busy the network transport the cause value
root pulpozzi	#17 "user busy" to the calling user	
	#17 User busy to the canning user.	
PSTN parameter	1	
values:		
values.		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

1020303	PSTN ref. to:	PLMN ref. to:
	ETC 200 001	
	ETS 300 001	
		ETS 300 557 [35]. Annex H.1.8
TSS reference:	PLMN-PSTN/Basic_call/Unsucces	sful/Facsimile G3/TC1020303
PSTN selection		
criteria:		
PI MN selection	TS 62	
F LIMIN SELECTION	10.02	
criteria:		
Test purpose:	Ensure that when the called PSTN call clearing to the calling user with alerted)".	user is ringing but not answering, the network initiate a cause value #19 "no answer from user (user
PSTN parameter		
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

1020304	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35], Annex H 1.5
TSS reference:	PI MN-PSTN/Basic_call/II	nsuccessful/Eacsimile G3/TC1020304
155 Telefence.		
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the calli before answer from called	ng user clears with cause value #16 "normal call clearing" user, the network transport the cause value to the called user.
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

# Unsuccessful

# Alternate speech and facsimile group 3

1020401	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PSTN/Basic_call	/Unsuccessful/Alternate speech and facsimile G3 /TC1020401
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facs	simile G3
Comments:	NOTE: some PSTNs pro	ovide announcements instead of sending cause value #1.

1020402	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
	E13 300 001	
1		ETS 300 557 [35], Annex H.1.6
TSS reference:	PSTN-PLMN/Basic_call/Unsuc	cessful/Alternate speech and facsimile G3 /TC1020402
PSTN selection		
criteria:		
PLMN selection	TS 61	
critoria:		
criteria.		
Test purpose:	Ensure that when the called PS #17 "user busy" to the calling u	STN user is busy the network transport the cause value user.
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech	
values	•	
values.	second CSM DC - Ecosimila (	$\sim$
	second GSM-BC = Facsinine C	72
Comments:		

1020403	PSTN ISDN ref. to:	PLMN ref. to:
	E 15 300 001	ETS 300 557 [35], Annex H.1.7
		ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-PSTN/Basic_call/Uns	successful/Alternate speech and facsimile G3/ TC1020403
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #19 "no answer from user (user alerted)".	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimi	le G3
Comments:		

4000404		
1020404	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to:
		ETS 300 557 [35] Annex H 1 5
TSS reference:	PI MN-PSTN/Basic_call/Unsucces	sful/Alternate speech and facsimile G3/ TC1020404
PSTN selection		
criteria:		
PI MN selection	TS 61	
criteria:		
Tost nurnoso	Ensure that when the calling user	clears with cause value #16 "permal call clearing"
rest purpose.	Ensure that when the calling user clears with cause value #16 normal call clearing	
	before answer from called user, the	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech	
values:	•	
	second GSM-BC = Facsimile G3	
Comments:		

# UNSUCCESSFUL

UDI

1020501	DCTN ref. to:	DI MNI rof. to.	
1020301	PSTN ref. to:	PLWIN ref. to:	
	ETS 300 001		
		ETS 300 557 [35], subclause 5.2.1, subclause 5.4	
		gubalance 7.2.2	
		subclause 7.3.2	
TSS reference:	PLMN-PSTN/Basic_call/Unsuccess	stul/UDI / I C1020501	
PSTN selection			
criteria:			
PLMN selection	UDI	UDI	
criteria:			
Test purpose:	Ensure that when the calling user requests digital connectivity for a call to a PSTN user, the network initiate call clearing to the calling user with cause value # 63 "service or option not available, # 65 "bearer service not implemented" or # 88 "incompatible destination".		
PSTN parameter values:			
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption		
values:			
Comments:			

# UNSUCCESSFUL

# Emergency Calls

1020601	PSTN ref. to: ETS 300 001	PLMN ref. to:
		ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuc	cessful/Emergency Call/TC1020601
PSTN selection criteria:		
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

### 6.2.11 Test purposes for PLMN-PSTN, Supplementary Services

# Supplementary Services

Speech

1110101	PSTN ref. to:	PLMN ref. to:
	ETS 300 648	ETS 300 557 [35], subclause 9.3.23.2,
	E15 300 659	ETS 300 542 [57], subclause 1
		ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/CLIP/TC1110101	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter values:	Calling Line Identity parameter	

JSM-DC=speech, Calling party subaddress
-

1110102	PSTN ref. to: ETS 300 001 ETS 300 648 ETS 300 659	PLMN ref. to: ETS 300 557 [35], subclause 9.3.23.2
		ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/CLIP/TC1110102
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:		
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PSTN parameter values:	Calling Line Identity parameter	
PLMN parameter values:	GSM-BC=speech	
Comments:		

1110201	PSTN ref. to:	PLMN ref. to:
	ETS 300 001 ETS 300 648 ETS 200 659 1	ETS 300 557 [35], subclause 9.3.23.2
	E13 300 039-1	ETS 300 542 [57], subclause 2
		ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/CLIR/TC1110201
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with C	LIR permanent mode subscription
	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, Calling party sul	baddress
Comments:		

1110202	PSTN ref. to: ETS 300 001 ETS 300 648 ETS 300 659-1	PLMN ref. to: ETS 300 557 [35], subclause 9.3.23.2
		ETS 300 542 [57], subclause 2 ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/CLIR/TC1110202
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when No Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

1110301	PSTN ref. to:	PLMN ref. to:
	ETS 300 001 ETS 300 648 ETS 300 659-1	ETS 300 557 [35], subclause 9.3.5.2
		ETS 300 542 [57], subclause 3
		ETS 300 565 [36], subclause 3
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/COLR/TC1110301
PSTN selection criteria:	COLR	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.	
	The Connected number information element is network provided and delivered to the calling user without any digit information. If the PSTN does not support this service, the presentation indicator shall indicate "number not available due to interworking".	
PSTN parameter values:		
PLMN parameter	GSM-BC=speech,	
values.	Connected number: PI=PR, SI=NP	, TON=unknown, NPI=unknown;
Comments:		

	r	ſ
1110401	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
	ETS 300 648	FTS 300 5/6 [33]
		L13 300 340 [33]
	E15 300 659-1	
		ETS 300 569 [39]
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/CUG/TC1110401
PSTN selection	The called user is not member of (	CUG
critoria:		
PLMN selection	The calling user belongs to a CUG with outgoing access "allowed".	
criteria:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed and	
	the called user is not a CUG subscriber, the call establishment is possible.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech, CUG default request	
values:		
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber

1110402	PSTN ref. to:	PLMN ref. to:
		ETS 300 546 [33]
		ETS 300 569 [39]
TSS reference:	PLMN-PSTN /Supplementary_serv	ices/Speech/CUG/TC1110402
PSTN selection criteria:	The called user is not member of CUG.	
PLMN selection criteria:	The calling user belong to a CUG with outgoing access "not allowed"	
Test purpose:	Ensure that when the calling user belong to CUG with outgoing access "not allowed" and the called user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, CUG default request	
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

1110501	PSTN ref. to:	PLMN ref. to:
1110501	ronverk operator operifie	
	network operator specific	ETS 200 546 [22] subalance 1
		E15 500 540 [55] subclause 1
		FTS 300 569 [39] subclause 1
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFU/TC1110501	
PSTN selection	The user B is in network N2 and is provided with CFU ("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to number, "diverting number is released to the diver	
	user "= Yes).	
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C	
	are Notified of call diversion.	
PSTN parameter	CFU active	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The Stage 1, 2 and 3 specifications	s of the PSTN supplementary services are network
	operator specific. It is assumed that	at the PSTN subscriber acts like an ISDN-subscriber.

1110502	PSTN ref. to:	PLMN ref. to:
	network operator specific	ETS 300 543 [31] subclause 1
		ETS 300 566 [37] subclause 1
TSS reference:	PLMN-PSTN /Supplementary_se	ervices/Speech/CFU/TC1110502
PSTN selection criteria:	The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (	CFU)
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C are Notified of call diversion.	
PSTN parameter values:	CFU active	
PLMN parameter values:	GSM-BC=speech	
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

1110601	PSTN ref. to:	PLMN ref. to:
	network operator specific	ETS 300 543 [31] subclause 2
		E1S 300 566 [37] subclause 2
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFB/TC1110601	
PSTN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user "= Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=speech	
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

1110602	PSTN ref. to:	PI MN ref. to:
1110002	FSTNTEL. IO.	
	network operator specific	ETE 200.542 [21] = h -1 = -2
		E15 300 543 [31] subclause 2
		ETS 300 566 [37] subclause 2
TSS reference:	PLMN-PSTN /Supplementary_se	rvices/Speech/CFB/TC1110602
PSTN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to number, "diverting number is released to the dive	
	User" = No).	-
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	Ensure that when user A calls but	usy user B, the call is forwarded to user C, user A and
	user C are notified of call diversion	on.
PSTN parameter	CFB active	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed the	hat the PSTN subscriber acts like an ISDN-subscriber.

1110701	PSTN ref. to:	PI MN ref. to:
	network operator specific	
		ETS 300 543 [31] subclause 3
		ETS 300 566 [37] subclause 3
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFNR/TC1110701	
PSTN selection criteria:	The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user "= Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=speech	
Comments:	The Stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

1110702	PSTN ref. to:	PLMN ref. to:
	network operator specific	ETS 300 543 [31] subclause 3
		ETS 300 566 [37] subclause 3
TSS reference:	PLMN-PSTN /Supplementary_serv	vices/Speech/CFNR/TC1110702
PSTN selection criteria:	The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=speech	
Comments:	The Stage 1, 2 and 3 specification operator specific. It is assumed that	s of the PSTN supplementary services are network at the PSTN subscriber acts like an ISDN-subscriber.

## NON-SYMMETRICAL TESTS

1120101	PSTN ref. to: network operator specific	PLMN ref. to:
		ETS 300 646-1, subclause 6.1.1.7
TSS reference:	PLMN-PSTN/Supplementary_s	services/Speech/MCID/TC 1120101
PSTN selection criteria:	The called (served) user is provided with MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The Stage 1, 2 and 3 specifica operator specific. It is assumed	tions of the PSTN supplementary services are network I that the PSTN subscriber acts like an ISDN-subscriber.
1120102	PSTN ref. to:	PLMN ref. to:
-----------------------------	--	--
	network operator specific	
		ETS 300 646-1, subclause 6.1.1.7
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MCID/TC1120102
PSTN selection criteria:	The called (served) user is provided with MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state, the call is registered.	
PSTN parameter values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The Stage 1, 2 and 3 specifications operator specific. It is assumed that	s of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

1120201	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PSTN/Supplementary_serv	ces/Speech/MPTY/TC1120201	
		•	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2	The PLMN user A and PLMN user C are in network	
i eet puipeeet	N1		
	Ensure that the user A can establish a MPTV call to user P and user C. User A is		
	Linsure that the user A can establish a with 1 1 can to user D and user C. User A is		
	terminating the entire multi party can.		
PSIN parameter			
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then		
	user A calls user C. After call estab	lishment user A invokes the MPTY service by	
	anding a EACILITY massage to t	he network containing the DuildMTDV request which	
	sending a FACILIT I message to the	the network containing the bundwirp r request which	
	indicates to the network that the m	obile subscriber wishes all his calls to be connected	
	together in a multi party call. User	A is terminating the entire multi party call.	

4400000			
1120202	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MPTY/TC1120202	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2	The PLMN user A and PLMN user C are in network	
	N1		
	Ensure that the user $A$ can establish a MPTV call to user B and user C		
	and release the remote party C. The call clearing procedure to user $\mathbf{R}$ is performed from		
	user A		
	user A.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	User A calls user B. After call estat	plishment user A initiates call hold. Then	
	user A calls user C. After call estab	blishment user A invokes the MPTY service by	
	conding a EACH ITV massage to the	a network containing the DuildMTDV request which	
	sending a FACILIT T message to u	le network containing the Bundwirr r request which	
	indicates to the network that the mo	obile subscriber wishes all his calls to be connected	
	together in a multi party call. The c	call clearing procedure to user B is performed from	
	user A.	*	

1120203	PSTN ref. to:	PLMN ref. to:
		ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_serv	ices/Speech/MPTY/TC1120203
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	<ul><li>The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.</li><li>Ensure that the user A can establish a MPTY call to user B and user C.</li><li>Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.</li></ul>	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call esta user A calls user C. After call esta sending a FACILITY message to indicates to the network that the m together in a multi party call.	blishment user A initiates call hold. Then blishment user A invokes the MPTY service by the network containing the BuildMTPY request which tobile subscriber wishes all his calls to be connected

4400004		
1120204	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MPTY/TC1120204
PSTN selection		
criteria:		
PI MN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2.	The PLMN user A and PLMN user C are in network
	N1.	
	Ensure that the user A can establish	a MPTY call to user B and user C and
	separate the remote user B from the multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single	
	active call.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	User A calls user B. After call e	stablishment user A initiates call hold. Then user A
	calls user C. After call establishme	nt user A invokes the MPTY service by sending a
	FACILITY message to the network	containing the BuildMTPY request which indicates to
	the network that the mobile subscri	ber wishes all his calls to be connected together in a
	multi porty coll	
	muni party can.	
	To separate the remote user P f	rom the MPTV the served mobile will send a
	10 separate tile femole user D I	The set of the set ved modifie will set u a
	SplitMP1Y message to the network. The network will send normal CallOnHold	
	notifications to the remote parties of	n hold in the MPTY call.

	T	r
1120205	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MPTY/TC1120205
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.	
	Ensure that the user A can establish	a MPTY call to user B and user C and
	separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
PSTN parameter		
values:		
PI MN parameter	GSM-BC=speech	
values:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

1120206	DCTN ref. to:	DI MNI rof. to:	
1120200	PSIN ret. to:	PLMN ret. to:	
	ETS 300 001	ETG 200 517 ETG 200 545	
		E1S 300 517, E1S 300 545	
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MPTY/TC1120206	
PSTN selection			
PI MN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.		
	Ensure that the user A can establish	a MPTY call to user B and user C and	
	separate the remote user B from the	e multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). User B is clearing the A-B Active call.		
	After the completion of the Retrieve function user A terminates the multi-party call.		
PSTN parameter values:			
PLMN parameter values:	GSM-BC=speech		
Comments:	User A calls user B. After call ec calls user C. After call establishmer FACILITY message to the network the network that the mobile subscri multi party call.	stablishment user A initiates call hold. Then user A nt user A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to iber wishes all his calls to be connected together in a	
To separate the remote user B from the MPTY, the served mobile will sen SplitMPTY message to the network. The network will send normal CallOnHo notifications to the remote parties on hold in the MPTY call.		rom the MPTY, the served mobile will send a k. The network will send normal CallOnHold on hold in the MPTY call.	
	User B is clearing the A-B Active call. After the completion of the Retrieve function wi a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.		

1120207	DCTN ref. to:	DI MNI rof. to:
1120207	F31N 101. TO:	
	ETS 300 001	ETG 200 517 ETG 200 545
		E15 300 517, E15 300 545
TSS reference:	PLMN-PSTN/Supplementary servi	ces/Speech/MPTY/TC1120207
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network
	N1.	
	Ensure that the user A can establish	n a MPTY call to user B and user C and
		1
	separate the remote user B from the multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). User C is clearing the MPTY held call.	
	User B is clearing the A-B Active call	
	o sor D is cleaning the right D rich to cuit.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	User A calls user B. After call e	stablishment user A initiates call hold. Then user A
	calls user C. After call establishme	nt user A invokes the MPTY service by sending a
	FACILITY message to the network	containing the BuildMTPY request which indicates to
	the network that the mobile subscri	ber wishes all his calls to be connected together in a
	multi party call.	
	To separate the remote user B f	rom the MPTY, the served mobile will send a
	SplitMPTY message to the network. The network will send normal CallOnHold	
	notifications to the remote parties of	on hold in the MPTY call
	User C is clearing the MPTY held	call. User B is clearing the A-B Active call.

1120208	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MPTY/TC1120208
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.	
	Ensure that the user A can establish	n a MPTY call to user B and user C and
	separate the remote user B from the	e multi-party call which is placed on hold
	(A-B ACTIVE / MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

1120209	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PSTN/Suppleme	ntary_services/Speech/MPTY/TC1120209	
PSTN selection criteria:			
PLMN selection criteria:	MPTY		
Test purpose:	The PSTN User B is in r N1.	etwork N2. The PLMN user A and PLMN user C are in network	
	Ensure that the user A c	can establish a MPTY call to user B and user C and	
	separate the remote user	B from the multi-party call which is placed on hold	
	<ul> <li>(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.</li> <li>After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).</li> </ul>		
	User A is terminating th	e multi party call. User B is clearing the Active-Held call.	
PSTN parameter values:			
PLMN parameter values:	GSM-BC=speech	GSM-BC=speech	
Comments:			

1100010		
1120210	PSIN ref. to:	PLMN ref. to:
	ETS 300 001	
		ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_servi	ces/Speech/MPTY/TC1120210
PSTN selection		
criteria:		
PI MN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network
	N1.	
	Ensure that the user A can establis	h a MPTY call to user B and user C and
	<ul> <li>separate the remote user B from the multi-party call which is placed on hold</li> <li>(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.</li> <li>After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).</li> </ul>	
	User B is terminating the multi par concerning the A-B Active-Held ca	ty call. After the completion of the Retrieve function all, user A is clearing the A-B connection.
PSTN parameter		
	OOM DO arrash	
PLMN parameter values:	GSM-BC=speecn	
Comments:		

1120211	DSTN rof to:	PI MN rof to:
1120211	F31N [6]. 10:	PLIVIN ref. to:
	ETS 300 001	EEG 200 517 EEG 200 545
		E18 300 517, E18 300 545
TCC soference.	DI MNI DETNI/Supplementary, convi	
155 reference:	PLININ-PSTN/Supplementary_servi	ces/speech/MPTT/TCTT202TT
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.	
	Ensure that the user A can establish	n a MPTY call to user B and user C and
	separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

1120301	PSTN ref. to:	PLMN ref. to:
		ETS 300 548 [34]
TSS reference:	PLMN-PSTN/Supplementary_serv	ices/Speech/Call barring service/
	TC1120301	
PSTN selection criteria:		
PLMN selection criteria:	Barring of Outgoing international Calls	
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams.	
	except those to the home PLMN country, call established	bushment to the home PLMN country is successful.
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

## 6.2.12 Test purposes for PLMN- PSTN, B-channel end-to-end performance

## B-channel end-to-end performance

1210101	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 557 [35].	
		115 500 557 [55];	
		ITU-T Rec. G 101 [56]	
		110-1 Kec. 0.101 [50]	
TSS reference:	PLMN-PSTN/ B-channel end	d-to-end performance /Speech/TC1210101	
PSTN selection	Voice transmission	Voice transmission	
criteria:			
PLMN selection	TS 11, Voice transmission	TS 11, Voice transmission	
criteria:			
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=speech		
values:	· · · · · · · · · · · · · · · · · · ·		
Comments:	The tests should be based of	The tests should be based on the E-Model described in the ITU-T Rec. G.101 [56].	
	Appendix I.		

1210201	PSTN ref. to:	PLMN ref. to:	
	ETS 300 001		
	210 000 001	ETS 200 557 [25]	
		LIS 500 557 [55]	
		ETS 200 579 1551	
		E15 500 578 [55]	
TSS reference:	PLMN-PSTN/ B-channel end-to-e	end performance /3,1 kHz audio ex PLMN/TC1210201	
PSTN selection	Data transmission	Data transmission	
criteria:			
PLMN selection	Data transmission		
criteria:			
Test purpose:	To ensure that the voice band data via modem transfer with 1,2 kbit/s on the B-channel is		
	performed correctly.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
values:			
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]		

1210202	PSTN ref. to:	PI MN ref. to:
1210202	ETS 300 001	
		ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-en	d performance /
	3,1 kHz audio ex PLMN/TC12102	02
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 2,4 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210203	PSTN ref. to:	PI MN ref. to:
1210200	ETS 200 001	
		ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-en	d performance /3,1 kHz audio ex PLMN/1210203
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 4,8 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210204	PSTN ref. to:	PLMN ref. to:
	ETS 300 001	ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-er	d performance /
	3,1 kHz audio ex PLMN/TC12102	04
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 9,6 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210301	PSTN rof to:	DI MNI rof. to:	
1210301			
	ETS 300 001		
		ETS 300 557 [35]	
		ETS 300 578 [55]	
TSS reference:	PLMN-PSTN/ B-channel end-to-en	d performance /Facsimile G3/1210301	
PSTN selection	Data transmission		
criteria:			
PLMN selection	TS 62, Data transmission		
criteria:			
Test purpose:	To ensure that the Facsimile group 2/3 transfer with 9,6 kbit/s on the B-channel is		
	performed correctly.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3		
values:			
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]		

1210401	PSTN ref. to:	PLMN ref. to:
		ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-en TC1210401	d performance /Alternate speech and facsimile G3/
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	TS 61, Data transmission	
Test purpose:	To ensure that the voice and Facsimile group 2/3 transfer with 9,6 kbit/s on the B- channel are performed correctly.	
ISDN parameter values:		
PLMN parameter	first GSM-BC=speech	
values.	second GSM-BC= facsimile G3, no	o HLC
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210501	PSTN ref. to: ETS 300 001	PLMN ref. to: ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-en	d performance /Speech followed by data / TC1210501
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	TS 61, Data transmission	
Test purpose:	To ensure that the voice and data transfer on the B-channel are performed correctly.	
ISDN parameter values:		
PLMN parameter	first GSM-BC=speech	
Valueo	second GSM-BC=3,1 kHz audio e	x PLMN, voice band data via modem
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210601	<b>PSTN ref. to:</b> ETS 300 001	PLMN ref. to: ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-en	d performance /Emergency Call/1210601
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	TS 12; MS with valid SIM Card, Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:	The tests should be based on the r	equirements described in the ETS 300 578 [55]

4040000		DI MNI mef. (a.	
1210602	PSIN ref. to:	PLMN ref. to:	
	ETS 300 001		
		ETS 300 557 [35]	
		ETS 300 578 [55]	
TSS reference:	PI MN-PSTN/ B-channel end-to-en	d performance /Emergency Call/	
	TC1210602		
	101210002		
PSTN selection	Voice transmission		
criteria:			
PI MN selection	TS 12; MS without SIM Card, Voice transmission		
criteria:			
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.		
PSTN parameter			
values:			
values.			
PLMN parameter	GSM-BC=speech, no HLC		
values:			
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]		

1210603	PSTN ref. to: ETS 300 001	PLMN ref. to:
		ETS 300 557 [35]
		ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-en	d performance /Emergency Call/
	TC1210603	
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	TS 12; IMSI contained in the SIM Card is not recognized by the VLR, Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

## 6.2.13 Test purposes for PLMN-PLMN, Basic call

In the following PLMN-PLMN Tests are used two configurations.

By the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.

By the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

### 6.2.13.1 Successful



1310101	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310101
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	GSM-BC=speech, no HLC
PLMN parameter	GSM-BC=speech, no HLC
values term.:	
Comments:	

1310102	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.1
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310102
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the called user clears after answer.
PLMN parameter	GSM-BC=speech, no HLC
values orign.:	
PLMN parameter	GSM-BC=speech, no HLC
values term .:	
Comments:	

1210102	
1310103	
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 502 [27], subclause 6
	ETS 300 582 [40], Annex B.2.8
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310103
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user.
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony
Comments:	

1310104	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 502 [27], subclause 6
	ETS 300 582 [40], Annex B.2.8
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310104
PLMN selection criteria orign.:	TS 11
PLMN selection	TS 11
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user.
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony
Comments:	

# Successful 3,1 kHz audio, ex PLMN

1010001	
1310201	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2,
	subclause 5.4
	ETS 300 604 [42] subclause 10 2
TSS references	DI MN DI MN/Rasis apl/Successful/2.1 kHz audio, av DI MN/TC1210201
155 reference.	
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the calling user clears after answer.
	OOM DO, 0.4 bit is an DI MN, using hand data sig me dam
PLMN parameter	GSM-BC=3,1 KHZ audio ex PLIVIN, voice band data via modem
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
values term.:	
Comments:	

1310202	PLMN ref. to:
	ETS 300 557 [35],
	subclause 5.2.1, subclause 5.4
	ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310202
PLMN selection criteria orign.:	Audio
PLMN selection criteria term.:	Audio
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
Comments:	

1310203	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310203
PLMN selection	Audio, asynchronous mode, BS 21
criteria act:	
PLMN selection	Audio, asynchronous mode, BS 21
criteria term.:	
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly mapped to the called user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,
values orign.:	user rate 0,3 kbit/s, no LLC
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,
values term.:	user rate 0,3 kbit/s, no LLC
Comments:	

1310204	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310204
PLMN selection	Audio, asynchronous mode, BS 22
criteria orign.:	
PLMN selection	Audio, asynchronous mode, BS 22
criteria term.:	
Test purpose:	Support of voice band data via modem: Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC
PLMN parameter values term.::	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC
Comments:	

1310205	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310205
PLMN selection	Audio, asynchronous mode, BS 24
criteria orign.:	
PLMN selection	Audio, asynchronous mode, BS 24
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,
values orign.:	user rate 2,4 kbit/s, no LLC
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,
values term.:	user rate 2,4 kbit/s, no LLC
Comments:	

1310206	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310206
PLMN selection	Audio, asynchronous mode, BS 25
PI MN selection	Audio, asynchronous mode, BS 25
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, is correctly mapped to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC
Comments:	

1310207	PLMN ref. to: ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310207
PLMN selection	Audio, asynchronous mode, BS 26
criteria orign.:	
PLMN selection	Audio, asynchronous mode, BS 26
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, is correctly mapped to the called user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,
values orign.	user rate 9,6 kbit/s, no LLC
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode,
values term.	user rate 9,6 kbit/s, no LLC
Comments:	

1310208	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40] Anney B 1 2
	B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310208
PLMN selection	Audio, asynchronous mode, BS 21
Criteria orign.:	Audia asymptronous mode DC 21
criteria term.:	Audio, asynchronous mode, BS 21
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s
Comments:	

1310209	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310209
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 22
PLMN selection criteria term.:	Audio, asynchronous mode, BS 22
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s
Comments:	

1310210	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40],
	Annex B.1.2, B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310210
PLMN selection	Audio, asynchronous mode, BS 24
criteria orign.:	
PLMN selection	Audio, asynchronous mode, BS 24
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s
Comments:	

1310211	PLMN ref. to: ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2,
	B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310211
PLMN selection	Audio, asynchronous mode, BS 25
criteria act:	
PLMN selection	Audio, asynchronous mode, BS 25
criteria term.:	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM- BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s
Comments:	

1310212	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2,
	B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310212
PLMN selection	Audio, asynchronous mode, BS 26
criteria orign.:	
PLMN selection	Audio, asynchronous mode, BS 26
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s
Comments:	

1310213	PLMN ref. to:
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.3
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310213
PLMN selection	Audio, synchronous mode, BS 31
criteria orign.	
PLMN selection	Audio, synchronous mode, BS 31
criteria term.:	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM- BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user
values act:	rate 1,2 kbit/s, no LLC
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user
values term.:	rate 1,2 kbit/s, no LLC
Comments:	

1310214	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310214
PLMN selection	Audio, synchronous mode, BS 32
criteria orign.:	
PLMN selection	Audio, synchronous mode, BS 32
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC
Comments:	

1310215	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310215
PLMN selection criteria orign.:	Audio, synchronous mode, BS 33
PLMN selection criteria term.:	Audio, synchronous mode, BS 33
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, is correctly mapped to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC
Comments:	

1310216	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310216
PLMN selection	Audio, synchronous mode, BS 34
criteria orign.:	
PLMN selection	Audio, synchronous mode, BS 34
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, is correctly mapped to the called user.
PLMN parameter values orign.	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC
PLMN parameter values term.	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC
Comments:	

1310217	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310217
PLMN selection criteria orign.:	Audio, synchronous mode, BS 31
PLMN selection criteria term.:	Audio, synchronous mode, BS 31
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
Comments:	

1310218	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40],
	Annex B.1.2, B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310218
PLMN selection	Audio, synchronous mode, BS 32
criteria orign.:	
PLMN selection	Audio, synchronous mode, BS 32
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s
Comments:	

1310219	PLMN ref. to: ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2,
	B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310219
PLMN selection	Audio, synchronous mode, BS 33
criteria act:	
PLMN selection	Audio, synchronous mode, BS 33
criteria term.:	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM- BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s
Comments:	

1310220	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2,
	B.2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310220
PLMN selection	Audio, synchronous mode, BS 34
criteria orign.:	
PLMN selection	Audio, synchronous mode, BS 34
criteria term.:	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s
Comments:	

1310221	PLMN ref. to: ETS 300 557 [35], subclause 5.2, subclause 5.4 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310221
PLMN selection criteria orign.:	Audio
PLMN selection criteria term.:	Audio, Single numbering Scheme
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
Comments:	

1310222	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1, subclause 5.4 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310222
PLMN selection criteria orign.:	Audio
PLMN selection criteria term.:	Audio, Single numbering Scheme
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
Comments:	

## Successful

## UDI

1010001	
1310301	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310301
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30
values orign.:	
PLMN parameter	GSM-BC = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30
values term.:	
Comments:	

1310302	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310302
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30
Comments:	

1310303	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310303
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 21
PLMN selection criteria term.:	UDI, asynchronous mode, BS 21
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0.3 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s information is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0.3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0.3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s
Comments:	

1310304	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2;
	B 2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310304
PLMN selection	UDI, asynchronous mode, BS 22
criteria orign.:	
PLMN selection	UDI, asynchronous mode, BS 22
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC=UDI/X.30 [49], asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC=UDI/X.30 [49], asynchronous mode, user rate 1,2 kbit/s,
	LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s
PLMN parameter values term.:	GSM-BC=UDI/X.30 [49], asynchronous mode, user rate 1,2 kbit/s,
	LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s
Comments:	

1310305	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/1C1310305
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 24
PLMN selection criteria term.:	UDI, asynchronous mode, BS 24
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s
Comments:	

1310306	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2; B
	2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310306
PLMN selection	UDI, asynchronous mode, BS 25
criteria orign.:	
PLMN selection	UDI, asynchronous mode, BS 25
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s,
values orign.:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s
PLMN parameter	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s,
values term.:	LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s
Comments:	

1310307	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI /TC1310307
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 26
PLMN selection criteria term.:	UDI, asynchronous mode, BS 26
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s
Comments:	

1310308	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.3; B 2.3
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310308
PLMN selection	UDI, synchronous mode, BS 31
criteria orign.:	
PLMN selection	UDI, synchronous mode, BS 31
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC
Comments:	

1310309	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.3; B 2.3
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310309
PLMN selection criteria orign.:	UDI, synchronous mode, BS 31
PLMN selection criteria term.:	UDI, synchronous mode, BS 31
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s
Comments:	

1310310	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2;
	B 2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310310
PLMN selection	UDI, synchronous mode, BS 32
criteria orign.:	
PLMN selection	UDI, synchronous mode, BS 32
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s,
values orign.:	LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s,
values term.:	LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s
Comments:	

1310311	PLMN ref. to:
	E 15 300 557 [55], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2;
	B 2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310311
PLMN selection	UDI, synchronous mode, BS 33
criteria orign.:	
PLMN selection	UDI, synchronous mode, BS 33
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s,
values orign.:	
J	LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s,
values term.:	
	LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s
Comments:	

1310312	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.2;
	B 2.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI /TC1310312
PLMN selection	UDI, synchronous mode, BS 34
criteria orign.:	
PLMN selection	UDI, synchronous mode, BS 34
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s,
values orign.:	LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s
PLMN parameter	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s,
values term.:	LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s
Comments:	

## Successful Facsimile group 3

1310401	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.1.1
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310401
PLMN selection criteria orign.:	TS 62
PLMN selection criteria term.	TS 62
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	

1310402	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.1.1;
	B 2.11
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310402
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

1310403	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42], subclause 10.2
	ETS 300 582 [40], Annex B.1.11
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310403
PLMN selection criteria orign.	TS 62
PLMN selection	TS 62
criteria orign.	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user.
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	
1310404	PLMN ref. to:
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	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.11,
	B.2.11
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310404
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user.
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

#### Successful

## Alternate speech and facsimile group 3

1310501	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310501
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR

1310502	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310502
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

1310503	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310503
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3
Comments:	

1310504	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310504
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure
	is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	
	second GSM-BC= speech
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	

Comments:

1310505	PLMN ref. to:   ETS 300 557 [35], subclause 5.2   ETS 300 604 [42],   subclause 10.2.2   ETS 300 582 [40], Annex B.1.10
	TC1310505
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	User A and user B are subscribed to different PLMN's first GSM-BC=speech second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

1310506	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310506
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.
PL MN paramotor	first GSM_BC_speech
values orign ·	
values origin.	second GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

1310507	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310507
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= speech
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3
Comments:	

1310508	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310508
PLMN selection	TS 61

criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= speech
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	

1310509	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310509
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC).
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.

1310510	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310510
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test numbers	Ensure that the repeated CSM BC IE (preceded by a repeat indicator "aircular") the

PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC
PLMN parameter values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

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13105011	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310511
PLMN selection criteria orign.:	TS 61
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	

1310512	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 9.2.2
	b 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310512
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC).
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

1310513	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42], subclause 9.2.2
	b 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310513
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

1310514	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310514
PLMN selection criteria orign.:	TS 61
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
Comments:	

1310515	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42].
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310515
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3).
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, no HLC
values orign.:	second speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

1310516	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310516
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme).
PLMN parameter	first GSM-BC = facsimile G3, no HLC
values orign.:	second GSM-BC=speech
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	The MODIFY message in not transmitted over the ISUP.

13105017	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310517
PLMN selection criteria orign.:	TS 61
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user.
PLMN parameter	first GSM-BC = facsimile G3, no HLC
values orign.:	second GSM-BC=speech
PLMN parameter	first GSM-BC = facsimile G3
values term.:	second GSM-BC=speech
Comments:	

1310518	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 9.2.2 b 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310518
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC= Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3).
PLMN parameter values orign.:	first GSM-BC = Facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.

1310519	PI MN ref. to:
1010010	ETS 200 557 [25] aubeloure 5.2
	ETS 300 557 [55], subclause 5.2
	E IS 300 604 [42], subclause 9.2.2
	b 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310519
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme).
PLMN parameter	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3
values orign.:	
C C	second GSM-BC=speech
PLMN parameter	GSM-BC= facsimile G3. HLC= Facsimile G2/G3
values term.:	
Comments:	The MODIFY message in not transmitted over the ISUP.

1310520	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/
	TC1310520
PLMN selection criteria orign.:	TS 61
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user.
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3
values orign.:	second GSM-BC=speech
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3
values term.:	second GSM-BC=speech

### Successful Alternate Speech / Data

Comments:

1310601	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310601
PLMN selection	BS 61
criteria act:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC=3,1 kHz audio ex PLMN
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR

1310602	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310602
PLMN selection criteria act:	BS 61
PLMN selection criteria term.:	Single numbering Scheme, BS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

1010000	
1310603	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42].
	subclause 10.2.2
	ETS 200 592 1401 Appey B 1 6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310603
PLMN selection	BS 61
criteria act:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the called user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	
· · · · · · · · · · · · · · · · · · ·	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC=3,1 kHz audio ex PLMN
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR

1310604	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310604
PLMN selection criteria act:	BS 61
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

1310605	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310605
PLMN selection	BS 61
criteria orign.:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s).
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s,
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

1310606	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310606
PLMN selection	BS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s,
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element
	The MODIFY message in not transmitted over the ISUP.

1210607	
1310607	
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310607
PLMN selection	BS 61
criteria:	
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN
	(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator
	"circular"), the first indicating "speech" and the second indicating the appropriate data
	service with the ITC"3,1 KHZ audio ex PLIVIN are correctly delivered to the called user.
PLMN parameter	first GSM-BC=speech
values:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s
PLMN parameter	first GSM-BC=speech
values:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s
Comments:	
1	

1310608	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310608
PLMN selection	BS 61
criteria orign.:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s).
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s,
	LLC= 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

1310609	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310609
PLMN selection	BS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC= 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element
	The MODIFY message in not transmitted over the ISUP.

1310610	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42]
	subclause 10.2.2
	ETS 300 582 [40] B 1 6
TSS reference:	PI MN-PI MN/Basic, call/Successful/Alternate speech and data/TC1310610
155 reference.	
PLMN selection	BS 61
criteria term.:	
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test nurnose:	User A and user B are subscribed to the same PI MN and user B is roaming in a VPI MN
	(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator
	"circular"), the first indicating "speech" and the second indicating the appropriate data
	service with the ITC "3,1 kHz audio ex PLMN and LLC are correctly delivered to the
	called user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM PC-2.1 kHz audio as DI MN upice hand date uie modern sumebronous
	second GSW-BC=3,1 KHZ audio ex FLIVIIN, voice band data via modelli, synchronous
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous
	mode, user rate 1.2 kbit/s
Comments:	

1310611	PLMN ref. to: ETS 300 557 [35], subclause 5.2 ETS 300 604 [42]
	Subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310611
PLMN selection	BS 61
criteria orign.:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s).
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s,
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

1310612	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310612
PLMN selection	BS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s,
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element
	The MODIFY message in not transmitted over the ISUP.

1010010	
1310613	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40]. B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310613
PLMN selection	BS 61
criteria:	
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN
	(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator
	"circular"), the first indicating "speech" and the second indicating the appropriate data
	service with the ITC "3,1 KHz audio ex PLMN are correctly delivered to the called user.
PLMN parameter	first GSM-BC=speech
values:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous
	mode, user rate 1.2 kbit/s
PLMN parameter	first GSM-BC=speech
values:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous
	mode, user rate 1,2 kbit/s
Comments:	

1310614	PI MN ref. to:
1010011	ETS 200 557 [25] subclause 5.2
	ETS 200 604 [42]
	E I S 300 604 [42],
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/101310614
PLMN selection	BS 61
criteria orign.:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s).
PLMN parameter	first GSM-BC=speech
values orign.:	
-	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous
	mode, user rate 1,2 kbit/s,
	$I \downarrow C = 3.1 \text{ kHz}$ audio, voice hand data via modem, asynchronous mode, user rate 1.2
	khit/s
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous
	mode, user rate 1,2 kbit/s
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

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1310615	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310615
PLMN selection	BS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme)will not contain a GSM BC element.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s
PLMN parameter	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
Comments.	element
	The MODIFY message in not transmitted over the ISUP.

1310616	PLMN ref. to:
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B 1.6
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310616
PLMN selection	BS 61
criteria term.:	
PLMN selection criteria term.:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN and LLC are correctly delivered to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem,
	asynchronous mode, user rate 1,2 kbit/s
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem
	asynchronous mode, user rate 1,2 kbit/s
Comments:	

# Successful Speech followed by data

1010701	
1310701	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B.1.7
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310701
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	
	second GSM-BC=3,1 kHz audio ex PLMN,
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC=3,1 kHz audio ex PLMN,
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
comments.	stored in the VLR

1310702	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B.1.7
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310702
PLMN selection criteria orign.:	BS 81
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN,
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

1310703	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B.1.7
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310703
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR

1310704	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B.1.7
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310704
PLMN selection criteria orign.:	BS 81
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

4040705	
1310705	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B.1.7, B.2.7.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310705
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s).
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s synchronous mode,
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

1210706	
1310708	
	E15 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], B.1.7, B.2.7.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310706
PLMN selection	BS 81
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element.
PLMN parameter	first GSM-BC=speech
values orign.:	
_	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous
	mode, user rate 1,2 kbit/s synchronous mode
PLMN parameter	
values term.:	
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM-BC element
	The MODIFY message in not transmitted over the ISUP.

1310707	PLMN ref. to:
	ETS 300 557 [35], subclause 5.2
	ETS 300 604 [42],
	subclause 10.2.2
	ETS 300 582 [40], Annex B.1.7,
	B.2.7.2
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310707
PLMN selection criteria orign.:	BS 81
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN
	(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator

	"sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) are correctly delivered to the called user.
PLMN parameter values act:	first GSM-BC=speech
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
PLMN parameter	first GSM-BC=speech
values term.	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
Comments:	

1310708	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.1,
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310708
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	BS 81
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s without LLC).
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.

1310709	PLMN ref. to:		
	ETS 300 557 [35], subclause 5.2.1		
	ETS 300 604 [42],		
	subclause 10.2.2		
	ETS 300 582 [40], Annex B.1.7,		
	B.2.7.1,		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310709		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	Single numbering Scheme, BS 81;		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element.		
PLMN parameter	first GSM-BC=speech		
values orign.:			
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous		
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous		
	mode, user rate 1,2 kbit/s		
PLMN parameter			
values term .:			
Comments:	The call set-up to the mobile will not contain a GSM BC element		

The MODIFY	message	in not	transmitted	over the	ISUP.

1310710	PLMN ref. to:		
	ETS 300 557 [35], subclause 5.2.1		
	ETS 300 604 [42],		
	subclause 10.2.2		
	ETS 300 582 [40], Annex B.1.7,		
	B.2.7.1,		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310710		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a		
criteria term.:	VPLMN (Visited PLMN)		
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) and LLC are correctly delivered to the called user.		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC=3.1 kHz audio ex PLMN voice hand data via modem synchronous		
second GSM-BC=3,1 KHz audio ex PLMIN, voice band data via modem, sync			
	mode, user rate 1,2 kbit/s, LLC=5,1 kHz audio, voice band data via modem, synchronous		
	mode, user rate 1,2 kbit/s		
PLMN parameter	first GSM-BC=speech		
values term.:			
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous		
	mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous		
	mode, user rate 1,2 kbit/s		
Comments:			

1310711	PLMN ref. to:		
	ETS 300 557 [35], subclause 5.2		
	ETS 300 604 [42].		
	subclause 10.2.2		
	ETS 300 582 [40], Annex B.1.7		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310711		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	BS 81		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s).		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR		
	The MODIFY message in not transmitted over the ISUP.		

1310712	PLMN ref. to:		
1310712	F LMM Tel. to.		
	ETS 300 557 [55], subclause 5.2		
	ETS 300 604 [42],		
	subclause 10.2.2		
	ETS 300 582 [40], Annex B.1.7		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310712		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	Single numbering Scheme, BS 81		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element.		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
PLMN parameter values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.		
	The MODIFY message in not transmitted over the ISUP.		

1310713	PI MN ref to:		
1010110	ETS 200 557 [35] cubelause 5.2		
	ETO 000 004 [40]		
	[ETS 300 604 [42],		
	subclause 10.2.2		
	ETS 300 582 [40], Annex B.1.7		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310713		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	BS 81: User A and user B are subscribed to the same PLMN and user B is roaming in a		
criteria term.:	VPLMN (Visited PLMN)		
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) are correctly delivered to the called user.		
PLMN parameter	first GSM-BC=speech		
values orign.:			
U U	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous		
	mode, user rate 1,2 kbit/s		
PLMN parameter	first GSM-BC=speech		
values term.:			
	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous		
	mode, user rate 1,2 kbit/s		
Comments:			

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1310714	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1 ETS 300 582 [40], Annex B.1.7, B.2.7.1		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310714		
PLMN selection criteria orign.:	BS 81		
PLMN selection criteria term.:	BS 81		
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s without LLC).		
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.		

1310715	PLMN ref. to:		
	ETS 300 557 [35], subclause 5.2.1		
	ETS 300 582 [40]. Annex B.1.7.		
	B.2.7.1		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310715		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	Single numbering Scheme, BS 81		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element.		
PLMN parameter values orign.:	first GSM-BC=speech		
second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asy mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem,			
PLMN parameter			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC		
Commenta.	element.		
	The MODIFY message in not transmitted over the ISUP.		

1310716	PLMN ref. to: ETS 300 557 [35], subclause 5.2.1 ETS 200 582 [40]. Appex B 1 7		
	B.2.7.1		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310716		
PLMN selection criteria orign.:	BS 81		
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)		
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) and LLC are correctly delivered to the called user.		
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s		
Comments:			

#### Successful

#### Short message service

1310801	PLMN ref. to: ETS 300 559		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310801		
PLMN selection criteria orign.:	SMS		
PLMN selection criteria term.	SMS		
Test purpose:	SMS transfer on SDCCH from a MS-A to MS-B when both the MS's are in the Idle state.		
PLMN parameter values orign.:	GSM-TS= Short Message MO – PP		
PLMN parameter values term.:	GSM-TS= Short Message MT – PP		
Comments:			

1310802	PLMN ref. to: ETS 300 559		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310802		
PLMN selection criteria orign.:	SMS		
PLMN selection criteria term.	SMS		
Test purpose:	SMS transfer on SACCH from a MS-A to MS-B when both the MS's are involved in an active call (Active State).		
PLMN parameter values orign.:	GSM-TS= Short Message MO – PP		
PLMN parameter values term.:	GSM-TS= Short Message MT – PP		
Comments:			

1310803	PLMN ref. to:		
	ETS 300 559		
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310803		
PLMN selection	SMS		
criteria orign.:			
PLMN selection	SMS		
criteria term.			
Test purpose:	SMS transfer on SDCCH from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, he shall receive the Short Message from the network.		
PLMN parameter values orign.:	GSM-TS= Short Message MO – PP		
PLMN parameter			
values term.:			
	GSM-TS= Short Message MT – Pl	5	
Comments:	MS-B is detached when the Short Message is sent.		

1310804	PLMN ref. to:
	ETS 300 559
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310804
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer on SDCCH from a MS-A to MS-B. MS-A and MS-B are in Idle state. The SIM Card memory of MS-B is full. Verify that when the SIM Card memory of MS-B becomes available, MS-B shall receive the Short Message from the network.
PLMN parameter values orign.:	GSM-TS= Short Message MO – PP
PLMN parameter	
values term ·	
	GSM-TS= Short Message MT – PP
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.

#### 6.2.13.2 Unsuccessful

Unsuccessful	
speech	

1320101	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320101
PLMN selection	TS 11
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.

1320102	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320102
PLMN selection	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")

1320103	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320103
PLMN selection criteria orign.:	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	
Comments:	

1320104	PLMN ref. to: ETS 300 557 [35], H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320104
PLMN selection criteria orign.:	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter	

Comments:

NOTE: Some PLMNs provide announcements instead of sending cause value # 18.

1320105	PLMN ref. to:
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320105
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	

1320106	PLMN ref. to:
	ETS 300 557 [35],
	subclause 5.2.1, Annex H.1.9
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320106
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1320107	PLMN ref. to:
	ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320107
PLMN selection criteria orign.:	TS 11
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.	GSM-BC=speech
Comments:	

1320108	PLMN ref. to: ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320108
PLMN selection criteria orign.:	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.	GSM-BC=speech
Comments:	

1320109	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320109
PLMN selection criteria orign.:	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

#### Unsuccessful

# 3,1 kHz audio ex PLMN

1320201	PLMN ref. to: ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320201
PLMN selection criteria orign.:	Audio
PLMN selection criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.

1320202	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320202
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy". The network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")

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1320203	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320203
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	

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1320204	PLMN ref. to:
	ETS 300 557 [35], H.1.7
	ETS 300 599 [41], subclause 18.2,
	subclause 18.3.2
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320204
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 18.

1320205	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320205
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN
Comments:	

1320206	PLMN ref. to:
	ETS 300 557 [35],
	subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320206
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected",. The network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

1220207	
1320207	
	ETS 300 557 [35], Annex B.3.2, H
	5.3
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320207
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

1320208	PLMN ref. to:
-	ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320208
PLMN selection criteria orign.:	Audio
PLMN selection criteria term.:	Audio
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN
Comments:	

1320209	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320209
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

# Unsuccessful UDI

1320301	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320301
PLMN selection criteria orign.:	UDI
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	
Comments:	
1320302	PLMN ref. to:
---------------------------------	--
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320302
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").

1320303	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320303
PLMN selection criteria orign.:	UDI
PLMN selection criteria term.:	UDI
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	
Comments:	

1320304	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.7
	ETS 300 599 [41], subclause 18.2,
	subclause 18.3.2
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320304
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	
values term.:	
Comments:	

1320305	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320305
PLMN selection	UDI
criteria act:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

1320306	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320306
PLMN selection criteria orign.:	UDI
PLMN selection criteria term.:	UDI
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1320307	PLMN ref. to:
	ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320307
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1320308	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320308
PLMN selection	UDI
criteria orign.	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

1320309	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320309
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)

Unsuccessful Facsimile group 3

1320401	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320401
PLMN selection	TS 62
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.

1320402	PLMN ref. to: ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320402
PLMN selection criteria orign.:	TS 62
PLMN selection criteria term.:	TS 62
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC = facsimile G3
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")

1320403	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320403
PLMN selection criteria orign.:	TS 62
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	

1320404	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.7
	ETS 300 599 [41], subclause 18.2,
	subclause 18.3.2
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320404
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18

1320405	PLMN ref. to: ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320405	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1320406	PLMN ref. to: ETS 300 557 [35],
	subclause 5.2.1, Annex H.1.9
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320406
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC = facsimile group 3
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	

1320407	PLMN ref. to: ETS 300 557 [35], Annex H. 5.3
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320407
PLMN selection criteria act:	TS 62
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC = facsimile G3
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	

1320408	PLMN ref. to:	
	ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320408	
PLMN selection	TS 62	
criteria act:		
PLMN selection	TS 62	
criteria term.:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1320409	PI MN ref. to:	
1020100	ETS 300 557 [35]. Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320409	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the call clearing to the calling user with a DISCONNECT message indicating #17 "user busy".	network initiate cause value
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "u	iser busy").

## Unsuccessful

# Alternate speech and facsimile group 3

1320501	PLMN ref. to: ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320501
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.

1320502	PLMN ref. to: ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320502
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3
Comments:	

1320503	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320503
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy",, the network transport the cause value to the calling user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

1320504	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320504
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the
	calling user indicating cause value #17 user busy .
PLMN parameter	first GSM-BC=speech
values orign.:	second CSM $BC = Ecosimila C^2$
	second $OSM-BC = Facsinine OS$
PLMN parameter	
values term.:	
Comments:	

1320505	PLMN ref. to:
	ETS 300 557 [35], H.1.7
	ETS 300 599 [41], subclause 18.2,
	subclause 18.3.2
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320505
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 18.

1320506	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320506
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values orign.:	
	second GSM-BC = Facsimile G3
Comments:	

1320507	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320507
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single- numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause # 102 "recovery on timer expire".
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values orign.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

1320508	PLMN ref. to: ETS 300 557 [35], subclause 5.1, Annex H.1.9
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320508
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected",, the network transport the cause value to the calling user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3
Comments:	

1320509	PLMN ref. to:
	ETS 300 557 [35],
	subclause 5.1, Annex H.1.9
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320509
PLMN selection criteria act:	TS 61
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

1320510	PLMN ref. to:
	ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC1320510
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination",, the network transport the cause value to the calling user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	a) first GSM-BC=speech second GSM-BC = Facsimile G3
Comments:	

1320511	PLMN ref. to:
	ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC1320511
PLMN selection	TS 61
criteria act:	
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

1320512	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 TC1320512
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing",
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	
	second GSM-BC = Facsimile G3
DI MNI noromotor	first CSM BC-spaceb
values term.:	second GSM-BC – Facsimile G3
	second OSM-DC – I desimile OS
Comments:	

1320513	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 TC1320513
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

1320514	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320514
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=speech
values orign.:	
	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	
	second GSM-BC = Facsimile G3
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)

1320515	PLMN ref. to:
	ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320515
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)

### 6.2.14 Test purposes for PLMN-PLMN Supplementary services

#### 6.2.14.1 Bearer capability "speech"

## Supplementary Services Speech

1410101	PLMN ref. to: ETS 300 557 [35], subclause 9.3.23.2, ETS 300 542 [57], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIP/TC1410101
PLMN selection criteria orign.:	CLIP
PLMN selection criteria term.:	The called user is provided with CLIP
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.
PLMN parameter values term.:	GSM-BC=speech, Calling party subaddress

PLMN parameter	GSM-BC= speech
values orign.:	Calling party number: PI=PA, TON= national/international number, SI=NP,
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])
Comments:	

4 4 4 0 4 0 0	
1410102	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.2
	ETS 300 542 [57], subclause 1
	ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIP/TC1410102
PLMN selection	CLIP
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter	GSM-BC= speech,
values term.:	Calling party number: PI=PA SI=NP TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25] )
Comments:	

1410201	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.2
	ETS 300 542 [57], subclause 2,
	ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIR/TC1410201
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	
	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.
PLMN parameter values orign.:	GSM-BC=speech, Calling party subaddress
PLMN parameter	GSM-BC= speech
values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown
Comments:	

1410202		
1410202	PLININ Tel. to:	
	ETS 300 557 [35],	
	subclause 9.3.23.2	
	ETS 300 542 [57], subclause 2	
	ETS 300 565 [36], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIR/TC1410202	
PLMN selection	CLIR	
criteria orign.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription	
	Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.	
PLMN parameter	GSM-BC=speech	
values orign.:		
PLMN parameter	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
values term.:		
Comments:		

1410301	PLMN ref. to:	
	ETS 300 557 [35],	
	subclause 9.3.5.2	
	ETS 300 542 [57], subclause 3	
	ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/COLP/TC1410301	
PLMN selection	The calling user is provided with COLP	
criteria orign.:		
PLMN selection	COLP	
criteria term.:		
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM-BC=speech; Connected number PI=PA, SI=NP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress	
PLMN parameter values term.:	Connected subaddress	
Comments:		

1410302	PLMN ref. to:		
	ETS 300 557 [35],		
	subclause 9.3.5.2		
	ETS 300 542 [57], subclause 3		
	ETS 300 565 [36], subclause 3		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/COLP/TC1410302		
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLP		
criteria term.:			
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.		
PLMN parameter	GSM-BC=speech,		
values orign.:	Connected number: SI=NP TON= national/international number, PI=PA,		
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])		
PLMN parameter values term.:	GSM-BC=speech,		
Comments:			

1410401	PLMN ref. to:	
	ETS 300 557 [35],	
	subclause 9.3.5.2	
	ETS 300 542 [57], subclause 3	
	ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/COLR/TC1410401	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.	
	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter	GSM-BC=speech,	
values orign.:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:		
Comments:		

1410501	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/Speech/CUG/TC810501	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG		
PLMN selection	Calling user and called user belong to the <b>same</b> CUG;		
	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)		
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC=speech; ForwardCUG-Int	fo: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);		
		Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1410502	PLMN ref. to:			
	ETS 300 546 [33]			
	ETS 300 569 [39]			
TSS reference:	PLMN-PLMN/Supplementary_serv	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810502		
PLMN selection	CUG supplementary options: not C	)A; not ocb; not Pref. CUG		
criteria orign.:				
PLMN selection	Calling user and called are subscribed to the same HPLMN;			
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);			
	Calling user and called user belong to the <b>same</b> CUG;			
	CUG supplementary options: IA; not ICB			
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)			
	index associated with the invoked CUG.			
PLMN parameter	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);			
		Suppress OA (SOA)		
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))		
Comments:				

1410503	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 560 [30]		
TCC reference.			
155 reference:	PLMIN-PLMIN/Supplementary_services/Speech/COG/TC810503		
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG,		
criteria orign.:	the calling user is roaming in a VPLMN (Visited PLMN)		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
criteria term.:	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;		
	Calling user and called user belong to the <b>same</b> CUG;		
	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)		
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA)		
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1410504	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410504	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria term.:	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>IA; not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410505	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410505		
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);		
	The called user belongs to the <b>same</b> CUG with the following CUG supplementary		
	options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowe not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> use belongs to the same CUG with incoming access allowed and not incoming calls barre within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppre OA (SOA)		
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter GSM-BC=speech; ForwardC		fo: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);		
		Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1410506	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410506	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPLMN (Visited PLMN)	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
criteria term	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user belongs to the same CUG with the following CUG supplementary	
options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allow not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> u belongs to the same CUG with incoming access allowed and not incoming calls bar within the CUG, after the receipt of a SETUP message with the Facility IE which sha contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Supp OA (SOA)	
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410507	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810503	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: <b>IA; not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
	Suppress 1101. COO (51 C),	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410508	PI MN ref. to:		
1110000	ETS 300 546 [33]		
700			
155 reference:	PLIMIN-PLIMIN/Supplementary_servi	ces/Speech/CUG/TC810508	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
	the called user is roaming in a VPL	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary		
	options: IA; not ICB		
Test purpose: Ensure that when the calling user belongs to a CUG with outgo not outgoing calls barred within the CUG and not preferential CUG belongs to the same CUG with incoming access allowed and not ir within the CUG, after the receipt of a SETUP message with the Facontain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. C		ser belongs to a CUG with outgoing access allowed, CUG and not preferential CUG and the <b>called</b> user ming access allowed and not incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC=speech; ForwardCUG-Inf	o: CUG Index (CI);	
values orign.:		Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1410509	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810509	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria orign.:	not ocd; not Pret. CUG	
	the calling user is roaming in a VPI	LMN (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in the sar	ne <b>VPLMN</b> (Visited PLMN) of the calling user;
	the called user belongs to the sa	me CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> us not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	ser belongs to a CUG with outgoing access allowed, CUG and not preferential CUG and the <b>called</b> user ming access allowed and not incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC),
	the called user receives a SETU index associated with the invoked C	P message with a Facility IE which contains an CUG CUG.
PLMN parameter	GSM-BC=speech; ForwardCUG-Inf	o: CUG Index (CI);
values orign.:		Suppress Pref. CUG (SPC);
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =	=NotifySS (CUG-Index))
Comments:		

1410510	PLMN ref. To:
	ETS 300 546 [33]
	ETS 300 569 [39]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410510
PLMN selection	The calling user belongs to the same CUG with the following CUG supplementary
criteria orign.:	options: OA; not ocb; not Pref. CUG
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: IA; ICB
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1410511	PLMN ref. To:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410511	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>	
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN; the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	The called user belongs to CUG with the following CUG supplementary options: IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410512	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_servi	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410512	
PLMN selection	The calling user belongs to the san	The calling user belongs to the same CUG with the following CUG supplementary	
cinteria origin.	the calling user is roaming in a VP	LMN (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
criteria term	the called user is roaming in the same	me <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user belongs to CUG wind <b>ICB</b>	th the following CUG supplementary options: IA;	
Test purpose:	Ensure that when the <b>calling</b> user outgoing calls barred within the CU belongs to the same CUG with inco the CUG, after the receipt of a SET ForwardCUG-Info with CUG Index	belongs to a CUG with outgoing access is allowed, not G and not preferential CUG and the <b>called</b> user oming access allowed and incoming calls barred within 'UP message with the Facility IE which shall contain a (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETU CUG index associated with the inv	P message without a Facility IE which contains an oked CUG (normal call).	
PLMN parameter	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI);	
values orign.:		Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech		
Comments:			

1410513	PLMN ref. to: ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410513	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: <b>IA; not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE.	
PLMN parameter	GSM-BC=speech: ForwardCUG-Info: Suppress Pref. CUG (SPC):	
values orign.:		
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410514	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410514	
PI MN selection	The calling user belongs to a CLIG with the following CLIG supplementary options: $\mathbf{OA}$ :	
criteria orign ·	not och: not Pref CUG	
ernena origin.		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary	
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Into: Suppress Pret. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410515	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/Speech/CUG/TC1410515
DI MNI coloction	The colling year belongs to a CLIC	with the following CLIC supplementary entioner <b>OA</b> :
	The calling user belongs to a COG with the following COG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. COG,	
	the calling user is roaming in a VPI	LMN (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
criteria term.:		
	the called user is roaming in the sar	ne <b>VPLMN</b> (Visited PLMN) of the calling user;
	The colled mean helen as to the come	CUC with the following CUC were low entered
	The caned user belongs to the same	COG with the following COG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user I	pelongs to a CUG with outgoing access is allowed, not
	outgoing calls barred within the CU	G and not preferential CUG and the <b>called</b> user
	belongs to the same CUG with inco	ming access allowed and not incoming calls barred
	within the CUG, after the receipt of	a SETUP message with the Facility IE which shall
	contain a ForwardCUG-Info with, S	uppress Pref. CUG (SPC),
	the called user receives a SETU	P message without a Facility IE.
PL MN parameter	CSM BC-space: ForwardCUG Inf	a: Supproce Prof CLIC (SPC):
values orign .	Solu-De-speech, i orwardeog-ini	
PI MN narameter	GSM-BC-speech	
values term.:		
Comments:		

1410516	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410516	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria term.:	The called user is <b>not a CUG subscriber</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message (normal call).	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410517	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410517	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPLMN (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
Criteria term	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user is not a CUG subscriber	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETUP.	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
	Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410518	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410518	
PLMN selection	The calling user is not member of CUG	
criteria orign.:		
PLMN selection	The called user belongs to CUG with the following CUG supplementary options: <b>not IA</b> ;	
criteria term.:	not ICB	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value # 29 "facility rejected ".	
PLMN parameter	GSM-BC=speech	
PLMN parameter		
values term .:		
Comments:		

1410519	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410519	
PLMN selection	The calling user is not member of CUG,	
criteria orign.:	the calling user is roaming in a <b>VPLMN</b> (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user belongs to CUG with the following CUG supplementary options: <b>not IA</b> ; <b>not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value # 29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1410520	PLMN ref. to:
	ETS 300 546 [33]
	ETS 300 569 [39]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410520
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>not</b>
criteria orign.:	OA; not ocb; not Pref. CUG
PLMN selection	The called user is not member of CUG
criteria term.:	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with
	CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)
	Call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "facility rejected ".
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);
	Suppress Pref. CUG (SPC);
	Suppress OA (SOA);
PLMN parameter values term.:	
Comments:	

1410521	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_servi	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410521	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: not		
criteria orign.:	OA; not ocb; not Pref. CUG,		
	the calling user is roaming in a VP	LMN (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscri	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;		
	The called user is not member of C	UG	
Test purpose:	Ensure that when the <b>calling</b> us allowed, not outgoing calls barred v <b>called</b> user belongs not to a CUG, IE which shall contain a ForwardCU	ser belongs to a CUG with outgoing access is not within the CUG and not preferential CUG and the after the receipt of a SETUP message with the Facility JG-Info with	
	CUG Index (CI), Suppress Pref. C	UG (SPC), Suppress OA (SOA)	
	call establishment is not possible user with cause value # 87 "user not	e and the network initiate call clearing to the calling at a member of CUG".	
PLMN parameter	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI);	
values orign.:		Suppress Pref. CUG (SPC);	
		Suppress OA (SOA);	
PLMN parameter values term.:			
Comments:			

1410522	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410522	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; not ocb; not Pref. CUG	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: <b>not IA; ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value # 55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1410523	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410523	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary	
	options: not IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),	
	call establishment is not possible and the network initiate call clearing to the calling user with cause value # 55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1410524	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_service	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410524	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG,</b>		
	the calling user is roaming in a VPL	MN (Visited PLMN).	
PLMN selection Calling user and called are subscribed to the same HPLMN;		ed to the <b>same</b> HPLMN;	
criteria term.:	the called user is roaming in the sam	e <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user belongs to the same options: <b>not IA; ICB;</b>	CUG with the following CUG supplementary	
Test purpose:	Ensure that when the <b>calling</b> user b outgoing calls barred within the CUC belongs to the same CUG with incon within the CUG, after the receipt of a contain a ForwardCUG-Info with CU call establishment is not possible user with cause value # 55 "incomin	elongs to a CUG with outgoing access is allowed, not G and not preferential CUG and the <b>called</b> user ming access is not allowed and incoming calls barred a SETUP message with the Facility IE which shall G Index (CI), Suppress Pref. CUG (SPC), e and the network initiate call clearing to the calling g calls barred within CUG".	
PLMN parameter	GSM-BC=speech; ForwardCUG-Info	b: CUG Index (CI);	
values orign.:		Suppress Pref. CUG (SPC);	
PLMN parameter values term.:			
Comments:			

1410525	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/Speech/CUG/TC1410525
PLMN selection criteria orign.:	CUG supplementary options: <b>not C</b>	DA; not OCB; not Pref. CUG
PLMN selection	Calling user and called user belong to the same CUG;	
criteria term.:		
	CUG supplementary options: <b>not I</b>	A; not ICB.
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI).
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke :	=NotifySS (CUG-Index))
Comments:		

1410526	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/Speech/CUG/TC1410526
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	calling user and called user belong	to the same CUG;
	CUG supplementary options: not I	A; not ICB.
Test purpose:	Ensure that when the <b>calling</b> user not outgoing calls barred within the belongs to the same CUG with inco- barred within the CUG, after the re- shall contain a ForwardCUG-Info w	belongs to a CUG with outgoing access not allowed, CUG and not preferential CUG and the <b>called</b> user oming access not allowed and not incoming calls ceipt of a SETUP message with the Facility IE which ith CUG Index (CI),
	the called user receives a SETU	IP message with a Facility IE which contains a CUG
	index associated with the invoked (	CUG.
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-In	fo: CUG Index (CI).
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke	=NotifySS (CUG-Index))
Comments:		

1410527	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/Speech/CUG/TC1410527
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
criteria orign.:	the calling user is roaming in a <b>VP</b>	LMN (Visited PLMN).
PLMN selection	N selection Calling user and called are subscribed to the same HPLMN;	
	the called user is roaming in the same	ne <b>VPLMN</b> (Visited PLMN) of the calling user;
	calling user and called user belong	to the <b>same</b> CUG;
	CUG supplementary options: not I	A; not ICB.
Test purpose:	Ensure that when the <b>calling</b> user not outgoing calls barred within the belongs to the same CUG with inco barred within the CUG, after the rea shall contain a ForwardCUG-Info w	belongs to a CUG with outgoing access not allowed, CUG and not preferential CUG and the <b>called</b> user oming access not allowed and not incoming calls ceipt of a SETUP message with the Facility IE which ith CUG Index (CI),
	the called user receives a SETU index associated with the invoked (	P message with a Facility IE which contains a CUG CUG.
PLMN parameter values orign.:	GSM-BC=speech; ForwardCUG-Int	io: CUG Index (CI).
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =	=NotifySS (CUG-Index))
Comments:		

1410601	PLMN ref. to:	
	ETS 300 557 [35],	
	subclause 9.3.23.1.5	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/SUB/TC1410601	
PLMN selection	SUB	
criteria orign.:		
PLMN selection	The called (served) user is provided with SUB	
criteria term.:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
PLMN parameter	GSM-BC=speech	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

1410602	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.1.5
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/SUB/TC1410602
PLMN selection	SUB
criteria orign.:	
PLMN selection	SUB
criteria term.:	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information
PLMN parameter	GSM-BC=speech, Called party subaddress
values term.:	
PLMN parameter	GSM-BC=speech, Called party subaddress
values orign.:	
Comments:	
1410701	
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1410701	PLMN ref. to:
	ETS 300 566 [37], subclause 1
	ETS 300 543 [31], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFU/TC1410701
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS [CFU, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS- Notification]) of call diversion.
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	CFU active C: ? GSM-BC=speech
Comments:	

1410702	PLMN ref. to:
	ETS 300 566 [37], subclause 1
	ETS 300 543 [31], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFU/TC1410702
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = No) and CLIR.
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	CFU active C: ? GSM-BC=speech
Comments:	

1410801	PLMN ref. to:
	ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB/TC1410801
PLMN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is
criteria orign.:	provided with CLIP.
PLMN selection	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" – <b>Yes</b> : "polification to forwarding subscriber" – <b>Yes</b> )
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.
	User <b>A</b> is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification])
	message user $\mathbf{C}$ is notified with a FACII ITY IF (Invoke –NotifySS [CFU SS-
	Notification]) of call diversion.
	User <b>B</b> is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification ])
	message of call diversion.
PLMN parameter	A: ! GSM-BC=speech
values orign.:	
PLMN parameter	CFB-NDUB active
values term.:	C: ? GSM-BC=speech
Comments:	

1410802	PLMN ref. to:
	ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB/TC1410802
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" = <b>No</b> ; "notification to forwarding subscriber" = <b>No</b> ) and <b>CLIR</b> .
Test purpose:	<ul> <li>Ensure that when user A calls busy user B, the call is forwarded to user C.</li> <li>User A and B are not notified of call diversion.</li> <li>User C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.</li> </ul>
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	CFB-NDUB active C: ? GSM-BC=speech
Comments:	

1410901	PLMN ref. to:
	ETS 300 566 [37], subclause 3
	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRy/TC1410901
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = <b>Yes</b> , "notification to forwarding subscriber" = <b>Yes</b> ).
Test purpose:	<ul> <li>Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.</li> <li>User A is notified with a FACILITY (Invoke =NotifySS [CFNRy, SS-Notification])</li> <li>message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFNRy, SS-Notification]) of call diversion.</li> <li>User B is notified with a NOTIFY (Invoke = NotifySS [CFNRy, SS-Notification ])</li> <li>message of call diversion.</li> </ul>
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	CFNRy active C: ? GSM-BC=speech
Comments:	

1410902	PLMN ref. to:
	ETS 300 566 [37], subclause 3
	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRy/TC1410902
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = <b>No</b> "notification to forwarding subscriber" = <b>No</b> ) and <b>CLIR</b> .
Test purpose:	<ul> <li>Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.</li> <li>User A and B are not notified of call diversion.</li> <li>User C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.</li> </ul>
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	CFNRy active C: ? GSM-BC=speech
Comments:	

1411001	PLMN ref. to:
	ETS 300 566 [37], subclause 3
	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRc/TC1411001
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS [CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFNRy, SS- Notification]) of call diversion.
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	CFNRc active, the user detached C: ? GSM-BC=speech
Comments:	

141102	PLMN ref. to:
	ETS 300 566 [37], subclause 3
	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRc/TC1411002
PLMN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is
criteria orign.:	provided with CLIP.
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = No) and CLIR.
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User A is not notified of call diversion.
	User <b>C</b> is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter	CFNRc active, the user is detached
	C: ? GSM-BC=speech
Comments:	

1411101	PLMN ref. to:
	ETS 300 544 [32], subclause 2
	ETS 300 567 [38], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411101
PLMN selection criteria orign.:	The calling user is provided with HOLD
PLMN selection criteria term.:	HOLD
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411102	PLMN ref. to: ETS 300 544 [32], subclause 2
	ETS 300 567 [38], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411102
PLMN selection criteria orign.:	The calling user is provided with HOLD
PLMN selection criteria term.:	HOLD
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411103	PLMN ref. to: ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411103
PLMN selection criteria orign.:	The calling user is provided with HOLD
PLMN selection criteria term.:	HOLD
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non –served user during the held state.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411104	PLMN ref. to:
	ETS 300 544 [32], subclause 2
	ETS 300 567 [38], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411104
PLMN selection criteria orign.:	HOLD
PLMN selection criteria term.:	The called user is provided with HOLD
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411105	PLMN ref. to: ETS 300 544 [32], subclause 2
	ETS 300 567 [38], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411105
PLMN selection criteria orign.:	HOLD
PLMN selection criteria term.:	The called user is provided with HOLD
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411106	PLMN ref. to: ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411106
PLMN selection criteria orign.:	HOLD
PLMN selection criteria term.:	The called user is provided with HOLD
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non – served user during the held state.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411201	PLMN ref. to:
	ETS 300 544 [32], subclause 1
	ETS 300 567 [38], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CW/TC1411201
PLMN selection	CW
Criteria orign.:	The colled wear is provided with CNV
PLMN selection	The called user is provided with CVV
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	

1411202	PLMN ref. to:
	ETS 300 544 [32], subclause 1
	ETS 300 567 [38], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CW/TC1411202
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW
criteria term.:	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	

1411301	PLMN ref. to:
	ETS 300 557 [35],
	subclause 10.5.4.25,
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411301
PLMN selection	UUS1
criteria orign.:	
PLMN selection	UUS1
criteria term.:	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user
PLMN parameter	GSM-BC=speech, UI length=32
values orign.:	
PLMN parameter	GSM-BC=speech, UI length=32
values term.:	
Comments:	

1411302	PLMN ref. to:
	ETS 300 557 [35],
	subclause 10.5.4.25,
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411302
PLMN selection	UUS1
criteria orign.:	
PLMN selection	UUS1
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.
PLMN parameter	GSM-BC=speech, UI length=32
values orign.:	
PLMN parameter	GSM-BC=speech, UI length=32
values term.:	
Comments:	

1411303	PLMN ref. to:
	ETS 300 557 [35],
	subclause 10.5.4.25
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411303
PLMN selection	UUS1
criteria orign.:	
PLMN selection	UUS1
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user
PLMN parameter	GSM-BC=speech, UI length=32
values orign.:	
PLMN parameter	GSM-BC=speech, UI length=32
values term.:	
Comments:	

1411304	PLMN ref. to:
	ETS 300 557 [35],
	subclause 10.5.4.25,
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411304
PLMN selection	UUS1
PL MN coloction	10191
criteria term.:	0031
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.
PLMN parameter values orign.:	GSM-BC=speech, UI length=32
PLMN parameter values term.:	GSM-BC=speech, UI length=32
Comments:	

1411305	PLMN ref. to:
	ETS 300 557 [35],
	subclause 10.5.4.25,
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411305
PLMN selection	UUS1
criteria orign.:	
PLMN selection	UUS1
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user
PLMN parameter	GSM-BC=speech, UI length=32
values orign.:	
PLMN parameter	GSM-BC=speech, UI length=32
values term.:	
Comments:	

1411306	PLMN ref. to:
	ETS 300 557 [35]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411306
PLMN selection	UUS1
criteria orign.:	
PLMN selection	UUS1
criteria term.:	
Test purpose:	To verify that UUI can be discarded by the network B without disrupting Normal call handling
PLMN parameter	GSM-BC=speech, UI length=32
values orign.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	

1411401	PLMN ref. to:
	ETS 300 517, ETS 300 545
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411401
PLMN selection criteria orign.:	MPTY
PLMN selection criteria term.:	MPTY
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C.
	User A is terminating the entire multi party call.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	User A calls user B. After call establishment user A initiates call hold. Then
	user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.

1411402	PLMN ref. to: ETS 300 517, ETS 300 545
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411402
PLMN selection criteria orign.:	MPTY
PLMN selection criteria term.:	MPTY
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C
	and release the remote party C. The call clearing procedure to user B is performed from user A.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.

1411403	PLMN ref. to:		
	ETS 300 517, ETS 300 545		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411403		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection criteria term.:	MPTY		
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C.		
	Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:	GSM-BC=speech		
Comments: User A calls user B. After call establishment user A initiates call hold. Then			
	user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		

1411404	PLMN ref. to:		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411404		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and		
	Separate the remote user B from the multi-party call which is placed on hold		
	(A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single		
	active call.		
PLMN parameter	GSM-BC=speech		
values orign.:			
PLMN parameter	GSM-BC=speech		
values term.:			
Comments:	User A calls user B. After call est calls user C. After call establishmen FACILITY message to the network the network that the mobile subscri- multi party call.	stablishment user A initiates call hold. Then user A nt user A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to ber wishes all his calls to be connected together in a	
	To separate the remote user B f SplitMPTY message to the network notifications to the remote parties of	rom the MPTY, the served mobile will send a c. The network will send normal CallOnHold n hold in the MPTY call.	

1411405	PLMN ref. to:		
	ETS 300 517, ETS 300 545		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411405		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and		
	Create a private communication between A and B. The multi-party call is placed on hold (A B ACTIVE (MPTY HELD), User A terminates the hold multi-party C user P is		
	clears the A-B ACTIVE call.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter	GSM-BC=speech		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.		

1411406	PLMN ref. to:			
	ETS 300 517, ETS 300 545			
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411406			
PLMN selection	MPTY	MPTY		
criteria orign.:				
PLMN selection	MPTY	MPTY		
Test purpose:	<b>est purpose:</b> User A is in network N1. User B and user C are in network N2.Ensure that the user A can establish a MPTY call to user B and user C and			
	create a private communication betw	ween A and B. The multi-party call is placed on hold		
	(A-B ACTIVE / MPTY HELD). Us	er B is clearing the A-B Active call.		
	After the completion of the Retrieve function user A terminates the multi-party call with C.			
PLMN parameter values orign.:	GSM-BC=speech			
PLMN parameter values term.:	GSM-BC=speech			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then calls user C. After call establishment user A invokes the MPTY service by sendi FACILITY message to the network containing the BuildMTPY request which ind the network that the mobile subscriber wishes all his calls to be connected toge multi party call.			
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.			
	User B is clearing the A-B Active ca a FACILITY message with a transac MPTY, user A terminates the multi-	all. After the completion of the Retrieve function with ction identifier corresponding to any call in the party call.		

1411407	PLMN ref. to:		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411407		
PLMN selection criteria orign.:	MPTY		
PLMN selection criteria term.:	MPTY		
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and		
	Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:	GSM-BC=speech		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.		
	oser e is clearing the wir i i new can. Oser b is clearing the A-b Active can.		

1411408	PLMN ref. to:		
	ETS 300 517, ETS 300 545		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411408		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User A invokes the MPTY service and join the single		
	active can and the neid MPTY together. User A is terminating the entire multi party call.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter	GSM-BC=speech		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		
To separate the remote user B from the MPTY, the served mobile will SplitMPTY message to the network. The network will send normal CallOr notifications to the remote parties on hold in the MPTY call.		rom the MPTY, the served mobile will send a c. The network will send normal CallOnHold n hold in the MPTY call.	
	User A invokes the MPTY service containing the BuildMTPY request subscriber wishes to join the single party call. User A is terminating the	by sending a FACILITY message to the network which indicates to the network that the mobile active call and the held MPTY together in a multi e entire multi party call.	

1411409	PLMN ref. to: ETS 300 517, ETS 300 545		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411409		
PLMN selection	МРТҮ		
criteria orign.:			
PLMN selection criteria term.:	MPTY		
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and		
	create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).		
	User A is terminating the multi party call. User B is clearing the Active-Held call.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:	GSM-BC=speech		
Comments:			

1411410	PLMN ref. to: ETS 300 517 ETS 300 545		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411410		
PLMN selection criteria orign.:	MPTY		
PLMN selection criteria term.:	MPTY		
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and		
	Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).		
User C is terminating the multi party call. After the completion of the Retr concerning the A-B Active-Held call, user A is clearing the A-B connection			
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:	GSM-BC=speech		
Comments:			

1411411	PLMN ref. to:		
	ETS 300 517, ETS 300 545		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411411		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and		
	Separate the remote user C from the multi-party call which is placed on hold		
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE –HOLD- REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).		
	User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:	GSM-BC=speech		
Comments:			

1411501	PLMN ref. to:		
	E 15 300 546 [54]		
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/Call barring service/		
	TC1411501		
PLMN selection criteria orign.:	The calling user activates Barring of Outgoing international		
PLMN selection criteria term.:			
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:	GSM-BC=speech		
Comments:			

1411502	PLMN ref. to:		
	ETS 300 548 [34]		
TSS reference:	PLMN-PLMN/Supplementary_services/Call barring service/TC1411502		
PLMN selection criteria orign.:			
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).		
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS (SS-Code, SS-Status)) in a clearing message.		
PLMN parameter values orign.:	GSM-BC=speech		
PLMN parameter values term.:			
Comments:			

1411503	PLMN ref. to:		
	ETS 300 548 [34]		
TSS reference:	PLMN-PLMN/Supplementary_services/Call barring service/TC1411503		
PLMN selection			
criteria orign.:			
PLMN selection	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls		
criteria term.:	when roaming outside the home PL the home PLMN country.	MN country (BIC-Roam). The MS is roaming outside	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.		
	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated.		
	Call establishment is not possible The calling user receives a FACILITY IE (Invoke =NotifySS (SS-Code, SS-Status)) in a clearing message.		
PLMN parameter	GSM-BC=speech		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

1411601	PLMN ref. to:
	ETS 300 518 [30]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411601
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:
cintena origin.	not OA; not ocb; not Pref. CUG.
PLMN selection criteria term.:	User B and C belongs to the same CUG.
	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG
	User B is provided with CFU and has an active call forwarding to C.
	User C has the following CUG supplementary options: not IA, not ICB
Test purpose:	Ensure that a call establishment is successful.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411602	PLMN ref. to:
	ETS 300 518 [30]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411602
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:
criteria orign.:	not OA; not ocb; not Pref. CUG.
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: not <b>OA; not ocb; not Pref. CUG</b>
	User B is provided with CFU and has an active call forwarding to C.
	User C is not member of CUG.
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter	
values term.:	
Comments:	

1411603	PLMN ref. to:
	ETS 300 518 [30]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411603
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:
criteria origii	not OA; not ocb; not Pref. CUG.
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>
	User B is provided with CFU and has an active call forwarding to C.
	User C is not member of CUG.
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	
Comments:	

1411604	PLMN ref. to:
	ETS 300 518 [30]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411604
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:
criteria orign.:	OA; not ocb; not Pref. CUG.
PLMN selection	User B belongs to the same CUG.
criteria term.:	User B has the following CUG supplementary options: <b>not OA; not ocb; not Pref.</b> CUG.
	User B is provided with CFU and has active call forwarding to C.
	User C is not member of CUG.
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	
Comments:	

1411605	PLMN ref. to:
	ETS 300 518 [30]
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411605
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:
ontena origin.	OA; not ocb; not Pref. CUG.
PLMN selection	User B and C belong to the same CUG.
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.
	User B is provided with CFU and has active call forwarding to C.
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

1411701	PLMN ref. to:
	ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB_CW/TC1411701
PLMN selection criteria orign.:	The user A and the user C are in network N1.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = <b>Yes</b> ;) and CW.
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFB,SS- Notification]) of call diversion.
PLMN parameter values orign.:	A: ! GSM-BC=speech
PLMN parameter values term.:	B: CFB-UDUB, CW active C: ? GSM-BC=speech
Comments:	

PLMN ref. to:
ETS 300 566 [37], subclause 2
ETS 300 543 [31], subclause 2
PLMN-PLMN/Supplementary_services/Speech/CFB_CW/TC1411702
The user A and the user C are in network N1.
The user B is in network N2 and is provided with CFB ("calling user is notified of call
diversion" <b>= No</b> ) and CW.
Ensure that when user A calls busy user B, the call is forwarded to user C.
User <b>A</b> and <b>B</b> are not notified of call diversion.
User C is notified with a FACILITY IE (Invoke =NotifySS [CFB,SS-Notification]) of
call diversion.
A: ! GSM-BC=speech
B: CFB-UDUB, CW active
C: ? GSM-BC=speech

## 6.2.14.2 Bearer capability "UDI"

## Supplementary Services UDI

1420101	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.2,
	ETS 300 542 [57], subclause 1
	ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIP/TC1420101
PLMN selection	CLIP
criteria orign.:	
PLMN selection criteria term.:	The called user is provided with CLIP
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, Calling party subaddress

PLMN parameter values orign.:	GSM-BC= UDI with V.110/X.30 rate adaption Calling party number: PI=PA TON= national/international number SI=NP, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])
Comments:	

1420102	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.2
	ETS 300 542 [57], subclause 1
	ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIP/TC1420102
PLMN selection	CLIP
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	GSM-BC= UDI with V.110/X.30 rate adaption,
values term.:	Calling party number: PI=PA SI=NP TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. F. 164 [25])
Comments:	

1420201	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.2
	ETS 300 542 [57], subclause 2,
	ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIR/TC1420201
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	The calling user is provided with CLIR permanent mode subscription.
	Ensure that when the Calling party subaddress is provided by the calling user the Calling
	party number information element is delivered to the called user without any digit
	information. The Calling party subaddrass shall not be present
	mormation. The Cannig party subaddress shan not be present
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption, Calling party subaddress
values orign.:	
PLMN parameter	GSM-BC= UDI with V.110/X.30 rate adaption,
values term.:	
	Calling party number: PI=PR TON = NP I= unknown SI=NP
Comments:	

1420202	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.2
	ETS 300 542 [57], subclause 2
	ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIR/TC1420202
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	The calling user is provided with CLIR permanent mode subscription
	Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	Calling party number: PI=PR TON = NP I= unknown SI=NP
values term.:	
Comments:	

1420301	PLMN ref. to:		
	ETS 300 557 [35]		
	subclause 9.3.5.2		
	ETS 300 542 [57] subclause 3		
	ETS 300 565 [36], subclause 3		
TSS reference:	PI MN-PI MN/Supplementary services/UDI/COLP/TC1/20301		
100 reference.			
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLP		
criteria term.:			
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the		
	Connected number and Connected subaddress information elements are correctly		
	delivered to the calling (served) user.		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption.		
values orign.:			
<b>J</b>	Connected number PI=PA, SI=NP, TON= national/international number,		
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])		
	Connected subaddress		
	connected subaddress		
PLMN parameter	Connected subaddress		
values term.:			
Comments:			

1420302	PLMN ref. to:		
	ETS 300 557 [35],		
	subclause 9.3.5.2		
	ETS 300 542 [57], subclause 3		
	ETS 300 565 [36], subclause 3		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/COLP/TC1420302		
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLP		
criteria term.:			
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.		
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption,		
values orign.:			
	Connected number: SI=NP TON= national/international number,		
	NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])		
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption		
Comments:			

1/20/01	PLMN ref. to:		
1420401			
	ETS 300 557 [33],		
	subclause 9.3.5.2		
	ETS 300 542 [57], subclause 3		
	ETS 300 565 [36], subclause 3		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/COLR/TC1420401		
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLR		
criteria term.:			
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.		
	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.		
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption,		
values orign.:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;		
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption		
Comments:			

1420501	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420501		
PLMN selection criteria orign.:	CUG supplementary options: not OA; not ocb; not Pref. CUG		
PLMN selection	Calling user and called user belong to the <b>same</b> CUG;		
criteria term.:	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	eter  GSM-BC= UDI with V.110/X.30 rate adaption;		
values orign.:	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA)		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:			

1420502	PLMN ref to:		
1120002			
	ETS 300 540 [35]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810502		
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG		
criteria orign.:			
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);		
	Calling user and called user belong to the same CUG;		
	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PI MN narameter	GSM-BC=UDI with V 110/X 30 rate adaption:		
values orign ·			
values ongin.	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA)		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1420503	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_service	ces/UDI/CUG/TC810503	
PLMN selection	CUG supplementary options: not O	A; not ocb; not Pref. CUG,	
criteria orign.:			
	the calling user is roaming in a VPLMN (Visited PLMN)		
PLMN selection	Calling user and called are subscrib	bed to the same HPLMN;	
criteria term.:	the called user is roaming in the sar	ne <b>VPLMN</b> (Visited PLMN) of the calling user;	
	Calling user and called user belong	to the <b>same</b> CUG;	
	CUG supplementary options: IA; n	ot ICB	
Test purpose:	Ensure that when the <b>calling</b> user the not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CL OA (SOA)	belongs to a CUG with outgoing access is not allowed, CUG and not preferential CUG and the <b>called</b> user ming access allowed and not incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC), Suppress	
	the called user receives a SETU index associated with the invoked C	P message with a Facility IE which contains an CUG CUG.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate ForwardCUG-Info: CUG Inde>	adaption; < (CI);	
	Suppre	ss Pref. CUG (SPC);	
		Suppress OA (SOA)	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption; Facility (Invoke =NotifySS (CUG-Index))	
values term.:			
Comments:			

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1420504	PLMN ref. to:			
	ETS 300 546 [33]			
	ETS 300 569 [39]			
TSS reference:	PLMN-PLMN/Supplementary_serv	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420504		
PLMN selection	The calling user belongs to a CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria orign.:	not ocb; not Pref. CUG	not ocb; not Pref. CUG		
PLMN selection criteria term.:	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>IA; not ICB</b>			
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)			
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.			
PLMN parameter values orign.:	LMN parameter GSM-BC=UDI with V.110/X.30 rate adaption; For alues orign.: FOR CUG Index (CI);		ForwardCUG-Info:	
	Suppress Pref. CUG	(SPC);		
	Suppress OA	(SOA);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))			
Comments:				

1420505	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420505		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);		
	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>IA</b> ; <b>not ICB</b>		
Test purpose:Ensure that when the calling user belongs to a CUG with outgoing ac not outgoing calls barred within the CUG and not preferential CUG and th belongs to the same CUG with incoming access allowed and not incoming within the CUG, after the receipt of a SETUP message with the Facility IE contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SI OA (SOA)			
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values orign.:	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1420506	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420506		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria orign.:	not ocb; not Pref. CUG,		
	the calling user is roaming in a VPLMN (Visited PLMN)		
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN;		
	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user; the		
	called user belongs to the same CUG with the following CUG supplementary options:		
	IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)		
	The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values orign.:	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1420507	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810503		
PLININ Selection	I ne calling user belongs to a CUG with the following CUG supplementary options: OA;		
criteria orign.:	not ocd; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PI MN narameter	GSM-BC=UDI with V 110/X 30 rate adaption:		
values orign ·			
valuee origin.	ForwardCUG-Info: CUG Index (CI);		
	Suppress Pref. CUG (SPC);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))		
Comments:			

1420508	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_serv	ces/UDI/CUG/TC810508	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>		
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN;		
	the called user is roaming in a <b>VPI</b>	LMN (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary options: <b>IA</b> ; not <b>ICB</b>		
Test purpose:	e: Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allo not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> belongs to the same CUG with incoming access allowed and not incoming calls ba within the CUG, after the receipt of a SETUP message with the Facility IE which sh contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),		
	the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter GSM-BC=UDI with V.110/X.30 rate adaption;		adaption;	
values orign.:	ForwardCUG-Info: CUG Index (CI);		
		Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:			

1420509	PLMN ref. to:			
	ETS 300 546 [33]			
	ETS 300 569 [39]			
TSS reference:	PLMN-PLMN/Supplementary_serv	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810509		
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b> ,			
	the calling user is roaming in a VP	LMN (Visited PLMN).		
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN;			
	the called user is roaming in the same	me <b>VPLMN</b> (Visited PLMN) of the calling user, the		
	called user belongs to the same CU	G with the following CUG supplementary options:		
	IA; not ICB			
Test purpose:	Ensure that when the <b>calling</b> under not outgoing calls barred within the belongs to the same CUG with incomparison within the CUG, after the receipt of contain a ForwardCUG-Info with Classical contains a statement of the contain a state	ser belongs to a CUG with outgoing access allowed, CUG and not preferential CUG and the <b>called</b> user oming access allowed and not incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC),		
	the called user receives a SETU index associated with the invoked (	JP message with a Facility IE which contains an CUG CUG.		
PLMN parameter GSM-BC=UDI with V.110/X.30 rate adaption;		adaption;		
values orign.:	ForwardCUG-Info: CUG Index (CI);			
		Suppress Pref. CUG (SPC);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	e adaption; Facility (Invoke =NotifySS (CUG-Index))		
Comments:				

1420510	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420510		
PLMN selection	The calling user belongs to the same CUG with the following CUG supplementary		
criteria orign.:	options: OA; not ocb; not Pref. CUG		
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: IA; ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;	
values orign.:	ForwardCUG-Inf	o: CUG Index (CI);	
		Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption	
Comments:			

1420511	PLMN ref. to: ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420511		
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
criteria term.	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);		
	The called user belongs to CUG with the following CUG supplementary options: <b>IA</b> ; <b>ICB</b>		
Test purpose:	Ensure that when the <b>calling</b> user outgoing calls barred within the CU belongs to the same CUG with incc the CUG, after the receipt of a SET ForwardCUG-Info with CUG Index	belongs to a CUG with outgoing access is allowed, not G and not preferential CUG and the <b>called</b> user oming access allowed and incoming calls barred within 'UP message with the Facility IE which shall contain a (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;	
values orign.:	ForwardC	UG-Info: CUG Index (CI);	
		Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption;	
Comments:			

1420512	PLMN ref. to:			
	ETS 300 546 [33]			
	ETS 300 569 [39]			
TSS reference:	PLMN-PLMN/Supplementary_serv	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420512		
PLMN selection	The calling user belongs to the sar	The calling user belongs to the same CUG with the following CUG supplementary		
criteria orign.:	options: OA; not ocb; not Pref. CUG,			
	the calling user is roaming in a VPLMN (Visited PLMN).			
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;			
criteria term.:				
	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user; The			
	called user belongs to CUG with the	e following CUG supplementary options: IA; ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG.			
PLMN parameter	rameter GSM-BC=UDI with V.110/X.30 rate adaption;			
values orign.:	ForwardCUG-Info: CUG	ndex (CI);		
		Suppress Pref. CUG (SPC);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption;		
Comments:				

1420513	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420513		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: <b>IA; not ICB</b>		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE.		
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption		
Comments:			
1420514	PLMN ref. to:		
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	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420514		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN;		
	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);		
	The called user belongs to the same CUG with the following CUG supplementary		
	options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, no outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC),		
	the called user receives a SETUP message without a Facility IE.		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values orign.:	ForwardCUG-Info: Suppress Pref. CUG (SPC);		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;		
values term.:			
Comments:			

1420515	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420515	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG,</b>	
	the calling user is roaming in a VPLMN (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user belongs to the same CUG with the following CUG supplementary options: <b>IA</b> ; not <b>ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC),	
	the called user receives a SET OP message without a Facility IE.	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values orign.:	ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420516	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420516	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection criteria term.:	The called user is <b>not a CUG subscriber</b>	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message.	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values orign.:	ForwardCUG-Info: CUG Index (CI);	
	Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420517	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_serv	ices/UDI/CUG/TC1420517
PLMN selection criteria orign.:	The calling user belongs to a CUG not ocb; not Pref. CUG,	with the following CUG supplementary options: <b>OA</b> ;
	the calling user is roaming in a VP	LMN (Visited PLMN).
PLMN selection criteria term.:	Calling user and called are subscri	bed to the <b>same</b> HPLMN;
	the called user is roaming in the sa	me <b>VPLMN</b> (Visited PLMN) of the calling user;
	The called user is <b>not a CUG subs</b>	scriber
Test purpose:	Ensure that when the <b>calling</b> user outgoing calls barred within the CL belongs not to a CUG, after the red shall contain a ForwardCUG-Info w	belongs to a CUG with outgoing access is allowed, not IG and not preferential CUG and the <b>called</b> user ceipt of a SETUP message with the Facility IE which <i>v</i> ith CUG Index (CI), Suppress Pref. CUG (SPC),
	the called user receives a SETU	JP.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;
values orign.:	ForwardCUG-Info: CUG	Index (CI);
		Suppress Pref. CUG (SPC);
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

1420518	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/UDI/CUG/TC1420518
PLMN selection criteria orign.:	The calling user is not member of CUG	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: <b>not IA;</b> <b>not ICB</b>	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value # 29"facility rejected ".	
PLMN parameter values orign.:	GSM-BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1420519	PLMN ref. to:		
	ETS 300 546 [33]		
	ETS 300 569 [39]		
TSS reference:	PLMN-PLMN/Supplementary_servic	ces/UDI/CUG/TC1420519	
PLMN selection	The calling user is not member of C	The calling user is not member of CUG,	
criteria orign.:	the calling user is roaming in a VPL	MN (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;		
	the called user is roaming in the san	ne <b>VPLMN</b> (Visited PLMN) of the calling user;	
	The called user belongs to CUG wit <b>not ICB</b>	h the following CUG supplementary options: not IA;	
Test purpose:	Ensure that when the <b>calling</b> user h belongs to a CUG with incoming acc the CUG, after the receipt of a SETU ForwardCUG-Info the network initiat 29" facility rejected ".	as not subscribed to the CUG and the <b>called</b> user cess not allowed and not incoming calls barred within JP message without Facility IE containing a te call clearing to the calling user with cause value #	
PLMN parameter values orign.:	GSM-BC= UDI with V.110/X.30 rate	adaption	
PLMN parameter values term.:			
Comments:			

1420520	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servic	es/UDI/CUG/TC1420520
PLMN selection	The calling user belongs to a CUG v	vith the following CUG supplementary options: not
criteria orign.:	OA; not ocb; not Pref. CUG	
PLMN selection criteria term.:	The called user is not member of CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with	
	Cold index (CI), Suppress Pref. CO Call establishment is not possible user with cause value # 29 " facility	e and the network initiate call clearing to the calling rejected ".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate a	adaption;
values orign.:	ForwardCUG-Info: CUG In	dex (CI);
	Suppres	ss Pref. CUG (SPC);
	S	Suppress OA (SOA);
PLMN parameter values term.:		
Comments:		

1420521	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420521	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: not	
criteria orign.:	OA; not ocb; not Pref. CUG,	
	the calling user is roaming in a VPLMN (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user; The called user is not member of CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with	
	CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)	
	call establishment is not possible and the network initiate call clearing to the calling user with cause value # 87 "user not a member of CUG".	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;	
values orign.:	ForwardCUG-Info: CUG Index (CI);	
	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
PLMN parameter		
values term.:		
Comments:		

1420522	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/UDI/CUG/TC1420522
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the sam	e CUG with the following CUG supplementary
criteria term.:	options: not IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user outgoing calls barred within the CU belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with Cl call establishment is not possibl user with cause value # 55 "incomit	belongs to a CUG with outgoing access is allowed, not G and not preferential CUG and the <b>called</b> user ming access is not allowed and incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC), e and the network initiate call clearing to the calling ng calls barred within CUG".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;
values orign.:	ForwardCUG	-Info: CUG Index (CI);
		Suppress Pref. CUG (SPC);
PLMN parameter values term.:		
Comments:		

1420523	PLMN ref. to:			
	ETS 300 546 [33]			
	ETS 300 569 [39]			
TSS reference:	PLMN-PLMN/Supplementary_servi	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420523		
PLMN selection criteria orign.:	The calling user belongs to a CUG not ocb; not Pref. CUG	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;			
	the called user is roaming in a VPI	JMN (Visited PLMN);		
	The called user belongs to the same options: <b>not IA; ICB</b>	e CUG with the following CUG supplementary		
Test purpose:	ose: Ensure that when the calling user belongs to a CUG with outgoing access is allow outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls within the CUG, after the receipt of a SETUP message with the Facility IE which sh contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),			
	call establishment is not possibluser with cause value # 55 "incomi	e and the network initiate call clearing to the calling ng calls barred within CUG".		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;			
values orign.:	ForwardCUG-Info: CUG Index (CI);			
		Suppress Pref. CUG (SPC);		
PLMN parameter values term.:				
Comments:				

1420524	PLMN ref. to:			
	ETS 300 546 [33]			
	ETS 300 569 [39]			
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/UDI/CUG/TC1420524		
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b> ,			
	the calling user is roaming in a VP	the calling user is roaming in a VPLMN (Visited PLMN).		
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;			
	the called user is roaming in the same	me <b>VPLMN</b> (Visited PLMN) of the calling user;		
	The called user belongs to the same options: <b>not IA; ICB;</b>	e CUG with the following CUG supplementary		
Test purpose:Ensure that when the calling user belongs to a CUG with outgoing acc outgoing calls barred within the CUG and not preferential CUG and the belongs to the same CUG with incoming access is not allowed and inco within the CUG, after the receipt of a SETUP message with the Facility 		belongs to a CUG with outgoing access is allowed, not IG and not preferential CUG and the <b>called</b> user oming access is not allowed and incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC),		
	call establishment is not possibluser with cause value # 55 "incomi	le and the network initiate call clearing to the calling ng calls barred within CUG".		
PLMN parameter GSM-BC=UDI with V.110/X.30 rate adaption;		adaption;		
values origin.	ForwardCUG-Info: CUG Index (CI);			
		Suppress Pref. CUG (SPC);		
PLMN parameter values term.:				
Comments:				

1420525	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/UDI/CUG/TC1420525
PLMN selection criteria orign.:	CUG supplementary options: not OA; not OCB; not Pref. CUG	
PLMN selection	Calling user and called user belong to the <b>same</b> CUG;	
criteria term.:	CUG supplementary options: not IA; not ICB.	
<b>Fest purpose:</b> Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not not outgoing calls barred within the CUG and not preferential CUG and the <b>cal</b> belongs to the same CUG with incoming access not allowed and not incoming barred within the CUG, after the receipt of a SETUP message with the Facility shall contain a ForwardCUG-Info with CUG Index (CI),		belongs to a CUG with outgoing access not allowed, CUG and not preferential CUG and the <b>called</b> user oming access not allowed and not incoming calls ceipt of a SETUP message with the Facility IE which ith CUG Index (CI),
	index associated with the invoked (	CUG.
PLMN parameter GSM-BC=UDI with V.110/X.30 rate adaption;		adaption;
values orign.:	ForwardCUG-Info:	CUG Index (CI).
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption; Facility (Invoke =NotifySS (CUG-Index))
Comments:		

1420526	PLMN ref. to:
	ETS 300 546 [33]
	ETS 300 569 [39]
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420526
PLMN selection criteria orign.:	CUG supplementary options: not OA; not OCB; not Pref. CUG
PLMN selection	Calling user and called are subscribed to the same HPLMN;
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);
	calling user and called user belong to the same CUG;
	CUG supplementary options: not IA; not ICB.
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI),
	the called user receives a SETUP message with a Facility IE which contains a CUG
	index associated with the invoked CUG.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption;
values orign.:	ForwardCUG-Info: CUG Index (CI).
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))
Comments:	

1420527	PLMN ref. to:	
	ETS 300 546 [33]	
	ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_serv	ces/UDI/CUG/TC1420527
PLMN selection	CUG supplementary options: not C	DA; not OCB; not Pref. CUG
criteria orign.:	the calling user is roaming in a VP.	LMN (Visited PLMN).
PLMN selection	Calling user and called are subscri	bed to the <b>same</b> HPLMN;
criteria term.:	the called user is roaming in the sa	me <b>VPLMN</b> (Visited PLMN) of the calling user;
	calling user and called user belong	to the <b>same</b> CUG;
	CUG supplementary options: not I	A; not ICB.
Test purpose:	Ensure that when the <b>calling</b> user not outgoing calls barred within the belongs to the same CUG with inco barred within the CUG, after the re- shall contain a ForwardCUG-Info w	belongs to a CUG with outgoing access not allowed, CUG and not preferential CUG and the <b>called</b> user oming access not allowed and not incoming calls ceipt of a SETUP message with the Facility IE which ith CUG Index (CI),
	the called user receives a SETU index associated with the invoked (	IP message with a Facility IE which contains a CUG CUG.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate	adaption;
values orign.:	ForwardCUG-Info:	CUG Index (CI).
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption; Facility (Invoke =NotifySS (CUG-Index))
Comments:		

1420601	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.1.5
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/SUB/TC1420601
PLMN selection criteria orign.:	SUB
PLMN selection criteria term.:	SUB
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress
Comments:	

1420602	PLMN ref. to:
	ETS 300 557 [35],
	subclause 9.3.23.1.5
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/SUB/TC1420602
PLMN selection	SUB
criteria orign.:	
PLMN selection	SUB
criteria term.:	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress
values term.:	
PLMN parameter	GSM-BC=UDI, with V.110/X.30 rate adaption, Called party subaddress
values orign.:	
Comments:	

1420701	PLMN ref. to:
	ETS 300 566 [37], subclause 1
	ETS 300 543 [31], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFU/TC1420701
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS- Notification]) of call diversion.
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	CFU active
values term.:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420702	PLMN ref. to:
	ETS 300 566 [37], subclause 1
	ETS 300 543 [31], subclause 1
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFU/TC1420702
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" <b>= No</b> ) and <b>CLIR</b> .
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption;
PLMN parameter values term.:	CFU active C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420801	PLMN ref. to:
	ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420801
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> ;).
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS- Notification]) of call diversion.
PLMN parameter values orign.:	A: I BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	CFB-UDUB active C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420802	PLMN ref. to:
	ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420802
PLMN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is
criteria orign.:	provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion" <b>= No</b> ) and <b>CLIR</b> .
Test purpose:	<ul> <li>Ensure that when user A calls busy user B, the call is forwarded to user C.</li> <li>User A and B are not notified of call diversion.</li> <li>User C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.</li> </ul>
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	CFB-UDUB active
values term.:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420803	PLMN ref. to: ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420803
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" = <b>Yes</b> ; "notification to forwarding subscriber" = <b>Yes</b> ).
Test purpose:	<ul> <li>Ensure that when user A calls busy user B, the call is forwarded to user C.</li> <li>User A is notified with a FACILITY (Invoke =NotifySS [CFB, SS-Notification])</li> <li>message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.</li> <li>User B is notified with a FACILITY (Invoke = NotifySS [CFB, SS-Notification])</li> <li>message of call diversion.</li> </ul>
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	CFB-NDUB active C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420804	PLMN ref. to:
	ETS 300 566 [37], subclause 2
	ETS 300 543 [31], subclause 2
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420804
PLMN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is
criteria orign.:	provided with CLIP.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion" <b>= No</b> ; "notification to forwarding subscriber" <b>= No</b> ) and <b>CLIR</b> .
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion.
	User <b>C</b> is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	CFB-NDUB active
values term.:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420901	PLMN ref. to:
	ETS 300 566 [37], subclause 3
	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRy/TC1420901
PLMN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is
criteria orign.:	provided with CLIP.
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call
criteria term.:	diversion" = <b>Yes</b> , "notification to forwarding subscriber" = <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.
	User <b>A</b> is notified with a FACILITY (Invoke =NotifySS [CFNRy_SS-Notification])
	message user C is notified with a FACILITY IE (Invoke =NotifySS [CFNRy, SS-
	Notification]) of call diversion.
	User <b>B</b> is notified with a NOTIFY (Invoke = NotifySS [CFNRy, SS-Notification ])
	message of call diversion.
PLMN parameter	A: I GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	CFNRy active
values term.:	C. 2 COM DC UDI with V 110/V 20 rate a dantian
	C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1420902	PLMN ref. to:
	ETS 300 566 [37], subclause 3
	ETS 300 543 [31], subclause 3
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRy/TC1420902
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call
criteria term.:	diversion" = <b>No</b> "notification to forwarding subscriber" = <b>No</b> ) and <b>CLIR</b> .
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A and B are not notified of call diversion.
	User <b>C</b> is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter	CFNRy active
values term.:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

1421001	PLMN ref. to:	
	ETS 300 566 [37], subclause 3	
	ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRc/TC1421001	
PLMN selection criteria orign.:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = <b>Yes</b> ).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS [CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS [CFNRy, SS-Notification]) of call diversion.	
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFNRc active, the user is detached C: ? GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1421002	PLMN ref. to:	
	ETS 300 566 [37], subclause 3	
	ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRc/TC1421002	
PLMN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is	
criteria orign.:	provided with CLIP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = <b>No</b> ) and <b>CLIR</b> .	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User A and B are not notified of call diversion.	
	User <b>C</b> is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	A: I GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter	CFNRc active, the user is detached	
values term.:	C: ? GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1421101	PLMN ref. to: ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421101	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	UUS1i	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421102	PLMN ref. to:	
	ETS 300 557 [35],	
	subclause 10.5.4.25	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421102	
PLMN selection	The calling (served) user is provided with UUS1 implicit request	
criteria orign.:		
PLMN selection	UUS1i	
criteria term.:		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
values orign.:		
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
values term.:		
Comments:		

1421103	PLMN ref. to: ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421103	
PLMN selection criteria orign.:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria term.:	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421104	PLMN ref. to: ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421104	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421105	PLMN ref. to:	
	ETS 300 557 [35]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421105	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	UUS1i	
Test purpose:	Verify that UUI can be discarded by the network without disrupting normal call handling.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	•	

1421201	PLMN ref. to:	
	ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_servi	ces/UDI/Call barring service/TC1421201
PLMN selection criteria orign.:	The calling user activates Barring c home PLMN country (BOIC-exHC). Barring of Outgoing international C supported by the PLMN in which th	of Outgoing international Calls except those to the The user is roaming outside the home PLMN country. alls except those to the home PLMN country is e served mobile subscriber currently roams.
PLMN selection criteria term.:		
Test purpose:	Ensure that when the calling user a those to the home PLMN country (EPLMN country, call establishment to the the the term of t	ctivates Barring of Outgoing International Calls except 3OIC-exHC) and the user is roaming outside the home o the home PLMN country is successful.
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate	adaption
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate	adaption
Comments:		

1421202	PLMN ref. to:	
	ETS 300 548 [34]	
TSS reference:	PSTN-PLMN/Supplementary_services/UDI/Call barring service/TC1421202	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS (SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC=UDI, with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1421203	PLMN ref. to:	
	ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/Call barring service/TC1421203	
PLMN selection		
criteria orign.:		
PLMN selection criteria term.:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam).	
	The MS is roaming outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated.	
	Call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS (SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC=UDI, with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

1421301	PLMN ref. to:	
	ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421301	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.	
PLMN selection	User B and C belongs to the same CUG.	
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG	
	User B is provided with CFU and has an active call forwarding to C.	
	User C has the following CUG supplementary options: not IA, not ICB	
Test purpose:	Ensure that a call establishment is successful.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption	
Comments:		

1421303	PLMN ref. to:	
	ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421303	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: not <b>OA; not ocb; not Pref. CUG</b>	
	User B is provided with CFU and has an active call forwarding to C.	
	User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption	
Comments:		

1421304	PLMN ref. to:		
	ETS 300 518 [30]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421304		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:		
criteria orign.:	not OA; not ocb; not Pref. CUG.		
PLMN selection         User B belongs to the same CUG with the following CUG supplement           criteria term.:         not ocb; not Pref. CUG		with the following CUG supplementary options: <b>OA;</b>	
	User B is provided with CFU and has an active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".		
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption		
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption		
Comments:			

1421305	PLMN ref. to:			
	ETS 300 518 [30]			
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421305			
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options:			
g	OA; not ocb; not Pref. CUG.			
PLMN selection	User B belongs to the same CUG.			
chiena term.	User B has the following CUG supplementary options: not OA; not ocb; not Pref.			
	CUG.			
	User B is provided with CFU and has active call forwarding to C.			
	User C is not member of CUG.			
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".			
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption			
PLMN parameter	GSM-BC = UDI with V.110/X.30 rate adaption			
values term.:				
Comments:				

1421306	PLMN ref. to:		
	ETS 300 518 [30]		
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421306		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:		
criteria origii	OA; not ocb; not Pref. CUG.		
PLMN selection	User B and C belong to the same CUG.		
	User B has the following CUG supplementary options: <b>not OA; not ocb; not Pref.</b> <b>CUG</b> .		
	User B is provided with CFU and has active call forwarding to C.		
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.		
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption		
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption		
Comments:			

## 6.2.15 Test purposes for PLMN-PLMN, B-channel end-to-end performance

## B-channel end-to-end performance

1510101	PLMN ref. to:		
	ITU-T Rec. G. 101		
TSS reference:	PLMN-PLMN/ B-channel end-to-end performance /Speech/TC310101		
PLMN selection criteria:	Voice transmission		
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.		
PLMN parameter values:	GSM-BC=speech		
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101, Appendix I.		

1510201	PLMN ref. to:		
	ETS 300 557 [35]		
	ITU-T Rec. G. 101		
TSS reference:	PLMN-PLMN/ B-channel end-to-end performance /3,1 kHz audio/TC310201		
PLMN selection criteria:	Data transmission		
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.		
PLMN parameter values:	GSM-BC= 3,1 kHz audio ex PLMN		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]		

1510301	PLMN ref. to:		
	ETS 300 557 [35]		
	ETS 300 578 [55]		
TSS reference:	PLMN-PLMN/ B-channel end-to-end performance /UDI/TC310301		
PLMN selection criteria:	Data transmission		
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.		
PLMN parameter values:	BC = UDI, V.110/X.30 synchronous mode; PRBS=2 <sup>11</sup> -1		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]		

## Bibliography

The following material, though not specifically referenced in the body of the present document (or not publicly available), gives supporting information.

ETS 300 083: "Integrated Services Digital Network (ISDN); Circuit mode structured bearer service category usable for speech information transfer; Terminal requirements for end-to-end compatibility".

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ETS 300 084: "Integrated Services Digital Network (ISDN); Circuit mode structured bearer service category usable for 3,1 kHz audio information transfer; Terminal requirements necessary for end-to-end compatibility".

ETS 300 121: "Integrated Services Digital Network (ISDN); Application of the ISDN User Part (ISUP) of CCITT Signalling System No.7 for international ISDN interconnections (ISUP version 1)".

ETS 300 210-1: "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

ETS 300 356-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 1: Basic services [ITU-T Recommendations Q.761 to Q.764 [43] (1993), modified]".

EN 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

ETS 300 289: "Business TeleCommunications (BTC); 64 kbit/s digital unrestricted leased line with octet integrity (D64U); Connection characteristics".

ETR 193: "Methods for Testing and Specification (MTS); Network Integration Testing (NIT); Methodology aspects; Test Co-ordination Procedure (TCP) style guide".

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ISO/IEC 9646-3: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 3: The Tree and Tabular Combined Notation".

ETR 100: "European digital cellular telecommunications system (Phase 2); Abbreviations and acronyms (GSM 01.04)".

ETS 300 500: "Digital cellular telecommunications system (Phase 2); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.01)".

ETS 300 501: "European digital cellular telecommunications system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02)".

ETS 300 503: "Digital cellular telecommunications system (Phase 2); General on supplementary services (GSM 02.04)".

ETS 300 514: "Digital cellular telecommunications system (Phase 2); Line identification supplementary services; Stage 1 (GSM 02.81 version 4.6.1)".

ETS 300 516: "Digital cellular telecommunications system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1 (GSM 02.83)".

ETS 300 520: "Digital cellular telecommunications system (Phase 2); Call Barring (CB) supplementary services; Stage 1 (GSM 02.88)".

ETS 300 523: "European digital cellular telecommunications system (Phase 2); Numbering, addressing and identification (GSM 03.03)".

ETS 300 529: "Digital cellular telecommunications system (Phase 2); Technical realization of supplementary services (GSM 03.11)".

ETS 300 558: "Digital cellular telecommunications system (Phase 2); Mobile radio interface layer 3; Supplementary services specification; General aspects (GSM 04.10)".

ETS 300 564: "Digital cellular telecommunications system (Phase 2); Mobile radio interface layer 3; Supplementary services specification; Formats and coding (GSM 04.80)".

ETS 300 571: "Digital cellular telecommunications system (Phase 2); Call Barring (CB) supplementary services; Stage 3 (GSM 04.88)".

ETS 300 589: "European digital cellular telecommunications system (Phase 2); Signalling transport mechanism specification for the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface (GSM 08.06)".

ETS 300 590: "Digital cellular telecommunications system (Phase 2); Mobile-services Switching Centre - Base Station System (MSC - BSS) interface; Layer 3 specification (GSM 08.08 version 4.12.1)".

ETR 109: "European digital cellular telecommunications system (Phase 2); General network interworking scenarios (GSM 09.01)".

ETS 300 600: "European digital cellular telecommunications system (Phase 2); Signalling requirements on interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN) (GSM 09.03)".

ETS 300 605: "Digital cellular telecommunications system (Phase 2); Information element mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MSC) signalling procedures and the Mobile Application Part (MAP) (GSM 09.10 version 4.4.1)".

ETS 300 606: "Digital cellular telecommunications system (Phase 2); Signalling interworking for supplementary services (GSM 09.11)".

ETR 060: "Signalling Protocols and Switching (SPS); Guidelines for using Abstract Syntax Notation One (ASN.1) in telecommunication application protocols".

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ITU-T Recommendation Q.762 (1993): "Specifications of Signalling System No.7; General function of messages and signals".

ITU-T Recommendation Q.763 (1993): "Specifications of Signalling System No.7; Formats and codes".

## History

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