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**Broadband Integrated Services Digital Network (B-ISDN);
Signalling System No.7;
Interworking between Broadband ISDN User Part (B-ISUP)
and Digital Subscriber Signalling System No. two (DSS2)**

[ITU-T Recommendation Q.2650 (1995), modified]

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS belongs to a set of standards related to the Broadband Integrated Services Digital Network (B-ISDN) User Part (B-ISUP) Capability Set 1 (CS1) for the international interface, as described below:

ETS 300 656: "Basic services [ITU-T Recommendations Q.2761 to Q.2764 (1995), modified]";

ETS 300 657: "Supplementary services [ITU-T Recommendation Q.2730 (1995), modified]";

ETS 300 495: "B-ISUP to DSS2 interworking [ITU-T Recommendation Q.2650 (1995), modified]";

ETS 300 496: "B-ISUP to ISUP interworking [ITU-T Recommendation Q.2660 (1995), modified]";

ETS 300 685: "Usage of cause and location in DSS2 and B-ISUP [ITU-T Recommendation Q.2610 (1995), modified]".

Transposition dates	
Date of adoption:	2 May 1997
Date of latest announcement of this ETS (doa):	31 August 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	28 February 1998
Date of withdrawal of any conflicting National Standard (dow):	28 February 1998

Endorsement notice

The text of ITU-T Recommendation Q.2650 (1995) was approved by ETSI as an ETS with agreed modifications as given below.

NOTE: New or modified text is indicated using sidebars. In addition, underlining and/or strike-out are used to highlight detailed modifications where necessary.

Page 1, clause 1, first and second paragraphs

Replace the first and second paragraphs by:

This European Telecommunication Standard (ETS) specifies the interworking relationship between the layer 3 functions and protocols of the Broadband Integrated Services Digital Network (B-ISDN) Digital Subscriber Signalling System No. two (DSS2) access interface and the B-ISDN User Part (B-ISUP) of Signalling System No.7 for the pan-European B-ISDN.

This ETS forms part of a set of interlocking B-ISDN service and signalling standards.

The signalling messages and elements of procedure of the DSS2 and B-ISUP of Signalling System No.7 are defined in ETS 300 443-1 [1] and ETS 300 656 [2], respectively, and for the supplementary services in ETS 300 657 [3] and ETS 300 661-1 to ETS 300 668-1 ([4] to [11]), respectively.

Page 1

Insert the following two clauses (normative references and definitions) after clause 1:

Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 443-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2931 (1995), modified]".
- [2] ETS 300 656: "Broadband Integrated Services Digital Network (B-ISDN); Signalling System No.7; B-ISDN User Part (B-ISUP) Capability Set 1 (CS1); Basic services [ITU-T Recommendations Q.2761 (1995) to Q.2764 (1995), modified]".
- [3] ETS 300 657: "Broadband Integrated Services Digital Network (B-ISDN); Signalling System No.7; B-ISDN User Part (B-ISUP) Capability Set 1 (CS1); Supplementary services [ITU-T Recommendation Q.2730, modified]".
- [4] ETS 300 661-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Direct Dialling In (DDI) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 1 (1995), modified]".
- [5] ETS 300 662-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Multiple Subscriber Number (MSN) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 2 (1995), modified]".
- [6] ETS 300 663-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Calling Line Identification Presentation (CLIP) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 3 (1995), modified]".
- [7] ETS 300 664-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Calling Line Identification Restriction (CLIR) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 4 (1995), modified]".

- [8] ETS 300 665-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connected Line Identification Presentation (COLP) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 5 (1995), modified]".
- [9] ETS 300 666-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connected Line Identification Restriction (COLR) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 6 (1995), modified]".
- [10] ETS 300 667-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Subaddressing (SUB) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 8 (1995), modified]".
- [11] ETS 300 668-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; User-to-User Signalling (UUS) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2957, clause 1 (1995), modified]".
- [12] ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".
- [13] ITU-T Recommendation I.210 (1993): "Principles of telecommunication services supported by an ISDN and the means to describe them".

Definitions

For the purposes of this ETS, the following definitions apply:

Integrated Services Digital Network (ISDN): See ITU-T Recommendation I.112 [12], definition 308.

service; telecommunication service: See ITU-T Recommendation I.112 [12], definition 201.

supplementary service: See ITU-T Recommendation I.210 [13], subclause 2.4.

Page 1, clause 2, B-ISUP messages

Add the following abbreviations to the B-ISUP messages in clause 2:

CTM	Call Transfer Message
FAC	Facility message
IDR	Identification Request message
IRS	Identification Response message
LOP	Loop Prevention (message)

Page 2, clause 2, general abbreviations

Add the following abbreviations to the general abbreviations in clause 2:

B-ISDN	Broadband ISDN
B-ISUP	Broadband ISUP
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
COLP	Connected Line Identification Presentation
COLR	Connected Line Identification Restriction
CS1	Capability Set 1
DDI	Direct Dialling In
DSS2	Digital Subscriber Signalling System No. two
ECT	Explicit Call Transfer
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
MCID	Malicious Call Identification
MSN	Multiple Subscriber Number
SUB	Subaddressing
UUS	User-to-User Signalling
UUS1	UUS service 1
UUS2	UUS service 2
UUS3	UUS service 3

Page 31

Insert the following new subclauses after subclause 8.14:

8.15 Explicit Call Transfer (ECT)

This subclause contains the mapping tables for the Explicit Call Transfer supplementary service associated messages, parameters and information elements.

8.15.1 Mapping tables

**Table 31:
Mapping of ECT information
Facility message**

Narrow-band FAC	Broadband CTM	Orig./Term. U/N
----->	----->	
FAC	CTM	
Call transfer number	Call transfer number	
Access transport	Calling Party subaddress	
Generic notification	Notification	
Service activation parameter: call transfer	Not carried	

NOTE: The local exchange shall discard the CTM Message.

**Table 32:
 Mapping of ECT information
 Call Progress message**

Narrow-band CPG	Broadband CPG	Orig./Term. U/N NOTIFY
----->	----->	----->
CPG	CPG	NOTIFY
Call transfer number	Call transfer number	Not carried
Generic notification	Notification	Notification Indicator

**Table 33:
 Mapping of ECT Information
 LOP message**

Narrow-band LOP	Broadband LOP	Orig./Term. U/N
----->	----->	
LOP	LOP	
Loop prevention indicator	Loop prevention indicator	
Call transfer reference	Call transfer reference	

NOTE: The local exchange shall discard the LOP message.

8.16 Malicious Call Identification (MCID)

This subclause contains the mapping tables for the Malicious Call Identification supplementary service associated messages, parameters and information elements.

8.16.1 Mapping tables

**Table 34:
 Mapping of MCID information
 MCID information available**

Orig. U/N	Broadband IDR	Narrow-band IDR
	<----- IRS ----->	<----- IRS ----->
	IDR	IDR
	MCID request indicator: MCID requested	MCID request indicator: MCID requested
	IRS	IRS
	MCID response indicator: MCID included	MCID response indicator: MCID included
	Calling party number	Calling party number
	Additional calling party number	Generic number
	Calling party subaddress	Access transport

Table 35:
Mapping of MCID information
MCID information not available

Orig. U/N	Broadband IDR ←----- IRS ----->	Narrow-band IDR ←----- IRS ----->
	IDR	IDR
	MCID request indicator: MCID requested	MCID request indicator: MCID requested
	IRS	IRS
	MCID response indicator: MCID not included	MCID response indicator: MCID not included

History

Document history			
April 1996	Public Enquiry	PE 105:	1996-04-08 to 1996-08-30
February 1997	Vote	V 9717:	1997-02-25 to 1997-04-25
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