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**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 (1995), modified]

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Foreword

This final draft European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

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 N-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]".

Proposed transposition dates	
Date of latest announcement of this ETS (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

Endorsement notice

The text of ITU-T Recommendation Q.2730 (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, clauses 1 and 2

Replace clauses 1 and 2 by the following four clauses (scope, normative references, definitions and abbreviations):

Scope

This European Telecommunication Standard (ETS) specifies procedures to support supplementary services for Broadband Integrated Services Digital Network (B-ISDN) Capability Set 1 (CS1) applications defined for the pan-European B-ISDN as provided by the European public telecommunications operators by means of the Signalling System No.7 protocol for the B-ISDN User Part (B-ISUP).

Additional protocol requirements, which have to be specified in the case where services are provided to the user via a telecommunication network that is not a B-ISDN, are not part of this ETS.

Although this ETS applies only to the international section, the specification of functions, formats and codes of messages and signals, and actions performed at originating and destination local exchanges are retained. All formats, codes and procedures marked for national use are included for informative purposes only. At transit nodes, B-ISUP supports the narrowband ISDN User Part (ISUP) services depicted in ISUP version 2 as defined in ETS 300 356-1 to ETS 300 356-19 ([1] to [18]).

In the case where a national signalling system behaves differently, the international gateway exchange is to support both the concerned national and the international network and the services and equipment supported by both the concerned national and international network.

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 amendments or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 356-1 (1995): "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 (1993), modified]".
- [2] ETS 300 356-2 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 2: ISDN supplementary services [ITU-T Recommendation Q.730 (1993), modified]".
- [3] ETS 300 356-3 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 3: Calling Line Identification Presentation (CLIP) supplementary service [ITU-T Recommendation Q.731, clause 3 (1993), modified]".
- [4] ETS 300 356-4 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 4: Calling Line Identification Restriction (CLIR) supplementary service [ITU-T Recommendation Q.731, clause 4 (1993), modified]".
- [5] ETS 300 356-5 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 5: Connected Line Identification Presentation (COLP) supplementary service [ITU-T Recommendation Q.731, clause 5 (1993), modified]".

- [6] ETS 300 356-6 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 6: Connected Line Identification Restriction (COLR) supplementary service [ITU-T Recommendation Q.731, clause 6 (1993), modified]".
- [7] ETS 300 356-7 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 7: Terminal Portability (TP) supplementary service [ITU-T Recommendation Q.733, clause 4 (1993), modified]".
- [8] ETS 300 356-8 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 8: User-to-User Signalling (UUS) supplementary service [ITU-T Recommendation Q.737, clause 1 (1993), modified]".
- [9] ETS 300 356-9 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 9: Closed User Group (CUG) supplementary service [ITU-T Recommendation Q.735, clause 1 (1993), modified]".
- [10] ETS 300 356-10 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 10: Subaddressing (SUB) supplementary service [CCITT Recommendation Q.731, section 8 (1992), modified]".
- [11] ETS 300 356-11 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 11: Malicious Call Identification (MCID) supplementary service".
- [12] ETS 300 356-12 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 12: Conference call, add-on (CONF) supplementary service [ITU-T Recommendation Q.734, clause 1 (1993), modified]".
- [13] ETS 300 356-14 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 14: Explicit Call Transfer (ECT) supplementary service".
- [14] ETS 300 356-15 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 15: Diversion supplementary services [ITU-T Recommendation Q.732, clauses 2 to 5 (1993), modified]".
- [15] ETS 300 356-16 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 16: Call Hold (HOLD) supplementary service [ITU-T Recommendation Q.733, clause 2 (1993), modified]".
- [16] ETS 300 356-17 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 17: Call Waiting (CW) supplementary service [CCITT Recommendation Q.733, section 1 (1992), modified]".
- [17] ETS 300 356-18 (1995): "Integrated Services Digital Network (ISDN); Signalling Part 18: Completion of Calls to Busy Subscriber (CCBS) supplementary service".
- [18] ETS 300 356-19 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 19: Three party (3PTY) supplementary service [ITU-T Recommendation Q.734, clause 2 (1993), modified]".

- [19] CCITT Recommendation E.164 (1991): "Numbering Plan for the ISDN Era".
- [20] ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".
- [21] 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 [20], definition 308.

service; telecommunication service: See ITU-T Recommendation I.112 [20], definition 201.

subaddress: See CCITT Recommendation E.164 [19], subclause 12.2.

supplementary service: See ITU-T Recommendation I.210 [21], subclause 2.4.

Abbreviations

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

3PTY	Three Party Service
AAL	ATM Adaptation Layer
ASN.1	Abstract Syntax Notation One
ATM	Asynchronous Transfer Mode
B-ISDN	Broadband ISDN
B-ISUP	B-ISDN User Part
CCBS	Completion of Calls to Busy Subscriber
CD	Call Deflection
CFB	Call Forwarding on Busy
CFNR	Call Forwarding on No Reply
CFU	Call Forwarding Unconditional
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
COLP	Connected Line Identification Presentation
COLR	Connected Line Identification Restriction
CONF	Conference Calling
CS1	Capability Set 1
CUG	Closed User Group
CW	Call Waiting
DDI	Direct Dialling In
ECT	Explicit Call Transfer
HOLD	Call Hold
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
MCID	Malicious Call Identification
MLPP	Multi-Level Precedence and Preemption
SCS	Signalling Capability Set
SDL	Specification and Description Language
SSCF	Service Specific Co-ordination Function
SSCOP	Service Specific Connection Oriented Protocol
SUB	Subaddressing
TP	Terminal Portability
UUS	User-to-User Signalling

Throughout the text of ITU-T Recommendation Q.2730

Replace references as shown below.

Reference in ITU-T Recommendation Q.2730	Modified reference
ITU-T Recommendation Q.730	ITU-T Recommendation Q.730 as modified by ETS 300 356-2 [2]
ITU-T Recommendation Q.731.3	ITU-T Recommendation Q.731.3 as modified by ETS 300 356-3 [3]
ITU-T Recommendation Q.731.4	ITU-T Recommendation Q.731.4 as modified by ETS 300 356-4 [4]
ITU-T Recommendation Q.731.5	ITU-T Recommendation Q.731.5 as modified by ETS 300 356-5 [5]
ITU-T Recommendation Q.731.6	ITU-T Recommendation Q.731.6 as modified by ETS 300 356-6 [6]
ITU-T Recommendation Q.731.7	ETS 300 356-11 [11]
ITU-T Recommendation Q.731.8	ITU-T Recommendation Q.731.8 as modified by ETS 300 356-10 [10]
ITU-T Recommendation Q.732.2	ITU-T Recommendation Q.732.2 as modified by ETS 300 356-15 [14]
ITU-T Recommendation Q.732.3	ITU-T Recommendation Q.732.3 as modified by ETS 300 356-15 [14]
ITU-T Recommendation Q.732.4	ITU-T Recommendation Q.732.4 as modified by ETS 300 356-15 [14]
ITU-T Recommendation Q.732.5	ITU-T Recommendation Q.732.5 as modified by ETS 300 356-15 [14]
ITU-T Recommendation Q.732.7	ETS 300 356-14 [13]
ITU-T Recommendation Q.733.1	ITU-T Recommendation Q.733.1 as modified by ETS 300 356-17 [16]
ITU-T Recommendation Q.733.2	ITU-T Recommendation Q.733.2 as modified by ETS 300 356-16 [15]
ITU-T Recommendation Q.733.3	ETS 300 356-18 [17]
ITU-T Recommendation Q.733.4	ITU-T Recommendation Q.733.4 as modified by ETS 300 356-7 [7]
ITU-T Recommendation Q.734.1	ITU-T Recommendation Q.734.1 as modified by ETS 300 356-12 [12]
ITU-T Recommendation Q.734.2	ITU-T Recommendation Q.734.2 as modified by ETS 300 356-19 [18]
ITU-T Recommendation Q.735.1	ITU-T Recommendation Q.735.1 as modified by ETS 300 356-9 [9]
ITU-T Recommendation Q.737.1	ITU-T Recommendation Q.737.1 as modified by ETS 300 356-8 [8]

Page 2, table 1/Q.2730

Insert the following row into table 1/Q2730:

Q.730 references	Title	Remarks
⋮	⋮	⋮
1.1	Exceeding the maximum message length	The simple segmentation procedure is not applicable
⋮	⋮	⋮

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