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INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.2730

(02/95)

**B-ISDN APPLICATION PROTOCOLS OF
THE NETWORK**

**BROADBAND INTEGRATED SERVICES
DIGITAL NETWORK (B-ISDN)
SIGNALLING SYSTEM No. 7
B-ISDN USER PART (B-ISUP) –
SUPPLEMENTARY SERVICES**

ITU-T Recommendation Q.2730
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(Previously "CCITT Recommendation")

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FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

ITU-T Recommendation Q.2730 was prepared by ITU-T Study Group 11 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 7th of February 1995.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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SUMMARY

This Recommendation describes the supplementary services supported in the broadband ISDN applicable to B-ISUP for capability set 1.

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Recommendation Q.2730

BROADBAND INTEGRATED SERVICES DIGITAL NETWORK (B-ISDN) SIGNALLING SYSTEM No. 7 B-ISDN USER PART (B-ISUP) – SUPPLEMENTARY SERVICES

(Geneva, 1995)

1 Scope

This Recommendation specifies the exceptions to the 1992, Q.730-series of Recommendations for supplementary services to be supported in CS1 of the broadband network. The information contained in this Recommendation should be read in conjunction with the 1992, Q.730-series of Recommendations.

2 References

The following services are supported by the first version of the B-ISUP:

- User-to-User Signalling (Recommendation Q.737).
- Calling Line Identification Presentation/Restriction (clause 3/Q.731 and clause 4/Q.731).
- Direct Dialling In (clause 1/Q.731).
- Connected Line Identification Presentation/Restriction (clause 5/Q.731 and clause 6/Q.731).
- Subaddressing (clause 8/Q.731).
- Multiple Subscriber Number (clause 2/Q.731).

Direct Dialling In and Multiple Subscriber Number are supported but without relevance to B-ISUP.

3 Exceptions and clarifications for ISDN supplementary services in CCITT Q.730-Series of Recommendations

The following tables contain three columns as follows:

- the first column marked “Q.73x references” identifies the relevant Q.73x Recommendation and references;
- the second column marked “Title” identifies the relevant title;
- the third column marked “Remarks” identifies the deviations from Q.73x as appropriate for the broadband signalling references.

All subclauses are the same as in CCITT Q.730-Series of Recommendations unless indicated otherwise in Tables 1 to below.

The remark “not applicable” in the table means that a procedure described in Recommendation Q.73x is not available in the broadband signalling references.

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TABLE 1/Q.2730

Q.730 references	Title	Remarks
1	General	References to TC and SCCP are not applicable.
1.2	Network specific facilities (national option)	Not applicable.
1.2.1	Sending unsolicited information (national use)	Not applicable.
1.3	Generic procedures	Not applicable.
1.4	End-to-end signalling	Not applicable.
1.6	List of supplementary services	<p>The following services are not applicable:</p> <ul style="list-style-type: none"> – 7/Q.731 Malicious Call Identification (MCID) – 1/Q.732 Call Transfer (CT) – 2/Q.732 Call forwarding Busy (CFB) – 3/Q.732 Call Forwarding No Reply (CFNR) – 4/Q.732 Call Forwarding Unconditional (CFU) – 5/Q.732 Call Deflection (CD) – 6/Q.732 Line Hunting (LH) – 7/Q.732 Explicit Call Transfer (ECT) – 8/Q.732 Single Step Call Transfer (SCT) – 1/Q.733 Call Waiting (CW) – 2/Q.733 Call Hold (HOLD) – 3/Q.733 Completion of Calls to Busy Subscriber (CCBS) – 4/Q.733 Terminal Portability (TP) – 1/Q.734 Conference Calling (CONF) – 2/Q.734 Three-Party Service (3PTY) – 1/Q.735 Closed User Group (CUG) – 2/Q.735 Private Numbering Plan (PNP) – 3/Q.735 Multi-Level Precedence and Preemption (MLPP) – 1/Q.736 International Telecommunication Charge Card – 2/Q.736 Advice of Charge (AOC) – 3/Q.736 Reverse Charging (REV)
Appendix I	Contents of the interface elements between the ISDN User Part and the SCCP	Not applicable.

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TABLE 2/Q.2730

Q.731 references	Title	Remarks
3.4	Coding requirements	<ul style="list-style-type: none"> i) The Access transport parameter is not used, the calling party subaddress information is transported in the calling party subaddress parameter. ii) The Generic number parameter is not used, the additional calling party number is transported in the additional calling party number parameter. iii) The number qualifier indicator is not used.
3.5	Signalling requirements	Remarks as for 3.4.
3.6.6	Calling Line Identification Restriction (CLIR)	Replace “Generic number parameter” with “additional calling party number parameter”.
3.10	Call diversion services (CDIV)	Not applicable.
3.7	Interactions with other networks	Replace “Generic number parameter” with “additional calling party number parameter”.
3.10	Dynamic description	Remarks as for 3.4.
4.5.2.3.2	Exceptional procedures	Replace “Generic number parameter” with “additional calling party number parameter”.
4.6.5	Calling Line Identification Presentation (CLIP)	Replace “Generic number parameter” with “additional calling party number parameter”.
5.2.1	General description	Replace “Generic number parameter” with “additional connected party number parameter”.
5.4	Coding requirements	<ul style="list-style-type: none"> i) The Access transport parameter is not used, the connected party subaddress information is transported in the connected party subaddress parameter. ii) The Generic number parameter is not used, the additional connected party number is transported in the additional connected party number parameter. iii) The number qualifier indicator is not used.
5.5	Signalling requirements	Remarks as for 5.4.
5.7	Interactions with other networks	Replace “Generic number parameter” with “additional connected party number parameter”.
5.8	Signalling flows	Replace “Generic number” with “additional connected party number”.
5.10	Dynamic description	Remarks as for 5.4.
6.5.2.4.1	Normal operation	Replace “Generic number parameter” with “additional connected party number parameter”.
6.5.2.5.1	Normal operation	Replace “Generic number parameter” with “additional connected party number parameter”.

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TABLE 2/Q.2730 (end)

Q.731 references	Title	Remarks
8.2.1	General description	Replace the words "access transport" with "called party subaddress".
8.4	Coding requirements	Replace the first sentence by, "The sub-address information is carried in the called party subaddress parameter." In the second sentence, replace the words "subaddress information element" with "called party subaddress parameter".
8.5.2.1.1	Normal operation	Replace the words "access transport" with "called party subaddress".
8.5.2.2.1	Normal operation	Replace the words "access transport" with "called party subaddress".
8.5.2.3.1	Normal operation	Replace the words "access transport" with "called party subaddress".
8.5.2.4.1	Normal operation	Replace the words "access transport" with "called party subaddress".

TABLE 3/Q.2730

Q.732 references	Title	Remarks
2	Call diversion services	Not applicable.

TABLE 4/Q.2730

Q.733 references	Title	Remarks
1	Call Waiting (CW)	Not applicable.
2	Call hold (HOLD)	Not applicable.
4	Terminal Portability (TP)	Not applicable.
4.6.13.3	User-to-user Signalling, service 3 (UUS3)	Not applicable.

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TABLE 5/Q.2730

Q.734 references	Title	Remarks
1	Conference calling	Not applicable.
2	Three Party	Not applicable.

TABLE 6/Q.2730

Q.735 references	Title	Remarks
1	Closed user group (CUG)	Centralized administration of CUG data is not applicable.
1.5.2.1	Actions at the originating local exchange	Not applicable.
1.5.2.5	Actions at the destination local exchange	No called part belongs to a CUG.
3	Multilevel precedence and preemption (MLPP)	Not applicable.

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TABLE 7/Q.2730

Q.737 references	Title	Remarks
1.1.2.2	Specific terminology	User-to-user Indicators indicating request/acceptance/rejection are not applicable.
1.1.4	Coding requirements	Clause 2 is not applicable.
1.1.5.2.1.1.2	Explicit service request	Not applicable.
1.1.5.2.1.1.3	Transfer of user-to-user information	Replace Clause 1 with the following: "User-to-user information may be contained in any of the messages that may be transferred in the call set-up and call release phases, provided the request for implicit service 1 has not been discarded."
1.1.5.2.1.2	Exceptional procedures	In the first sentence, replace the words "and rejection indicators" with "indication".
1.1.5.2.2.2	Exceptional procedures	In the second sentence, delete the words "Rejection of an explicit service request or".
1.1.5.2.5.2.2	Rejection of explicit service request	Not applicable.
1.1.5.2.5.2.3	Discard of user-to-user information	In the first paragraph, second sentence, replace the words "with Recommendation Q.767" with "between Recommendation Q.767 and ISUP 92". Clause 2 is not applicable.
1.1.6.10	Call diversion services	Not applicable.
1.1.6.13	User-to-user signalling (UUS)	Not applicable.
1.1.6.16	Call hold (CH)	Not applicable.
1.1.7	Interactions with other networks	In the first sentence, delete the words "or explicit". In Table 1-1/Q.737 delete the columns entitled "NON-ESSENTIAL REQUEST" and "ESSENTIAL REQUEST". Notes 2 and 3 are not applicable.
1.1.8	Signalling flows	In the first paragraph, delete the second sentence. In Notes 1 and 2 delete the words "user-to-user indicators parameter and/or". In the table of abbreviations, the following abbreviations are not applicable: "ni, rne, re, p np, UUI ind".
1.2	User-to-user Signalling service 2	Not applicable.
1.3	User-to-user Signalling service 3	Not applicable.