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B-ISDN APPLICATION PROTOCOLS FOR ACCESS SIGNALLING

STAGE 3 DESCRIPTION FOR ADDITIONAL INFORMATION TRANSFER SUPPLEMENTARY SERVICES USING B-ISDN DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 (DSS 2) – BASIC CALL Clause 1 – User-to-user signalling (UUS)

ITU-T Recommendation Q.2957

(Previously "CCITT Recommendation")

FOREWORD

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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.2957, clause 1, 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 defines the operation of the Digital subscriber Signalling System No. 2 (DSS 2) for the support of the User-to-User Signalling (UUS) supplementary service at the T_B or the coincident S_B and T_B reference point of the user to network interface of the Broadband-Integrated Services Digital Network (B-ISDN).

The User-to-User Signalling (UUS) supplementary service allows a B-ISDN user to send and receive a limited amount of information to/from another B-ISDN user over the signalling virtual channel in association with a call/connection to the other B-ISDN user.

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STAGE 3 DESCRIPTION FOR ADDITIONAL INFORMATION TRANSFER SUPPLEMENTARY SERVICES USING B-ISDN DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 (DSS 2) – BASIC CALL

(Geneva, 1995)

1 User-to-User Signalling (UUS)

1.1 Scope

This Recommendation specifies the stage three of the User-to-User Signalling (UUS) supplementary service for the Broadband Integrated Services Digital Network (B-ISDN) at the T_B reference point or coincident S_B and T_B reference point (as defined in Recommendation I.413 [1]) by means of the Digital Subscriber Signalling System No. 2 (DSS 2) protocol. Stage three identifies the protocol procedures and switching functions needed to support a telecommunications service (see Recommendation I.130 [2]).

In addition, this Recommendation specifies the protocol requirements at the T_B reference point where the service is provided to the user via an intermediate private B-ISDN.

This Recommendation does not specify the additional protocol requirements where the service is provided to the user via a telecommunications network that is not a B-ISDN.

The User-to-User Signalling (UUS) supplementary service allows a B-ISDN user to send/receive a limited amount of information to/from another B-ISDN user over the signalling virtual channel in association with a call/connection to the other B-ISDN user.

For N-ISDN services supported in B-ISDN, see Recommendation I.257.1 [5]. For B-ISDN services, the applicability has yet to be defined.

This Recommendation is applicable to equipment, supporting the UUS supplementary service, to be attached at either side of a T_B reference point or coincident S_B and T_B reference point when used as an access to the public B-ISDN.

1.2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

- [1] ITU-T Recommendation I.413 (1993), *B-ISDN user-network interfaces*.
- [2] CCITT Recommendation I.130 (1988), *Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN*.
- [3] ITU-T Recommendation Q.2931 (1995), *Broadband-Integrated Services Digital Network (B-ISDN) – Digital Subscriber Signalling No. 2 (DSS2) – User-network interface layer 3 specification for basic call/connection control*.
- [4] CCITT Recommendation E.164 (1991), *Numbering plan for the ISDN era*.
- [5] CCITT Recommendation I.257.1 (1992), *User-to-user signalling*.
- [6] CCITT Recommendation X.213 (1992), *Information technology – Network service definition for Open Systems interconnection (OSI)*.
- [7] ITU-T Recommendation I.580 (1993), *General arrangements for interworking between B-ISDN and 64 kbit/s based ISDN*.



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