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SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for
access signalling

Digital subscriber Signalling System No. 2 – Switched virtual path capability

ITU-T Recommendation Q.2934

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION Q.2934

DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 – SWITCHED VIRTUAL PATH CAPABILITY

Summary

This Recommendation specifies the procedures for establishing, maintaining, and clearing of switched virtual path connections. It specifies extensions to Recommendations Q.2931 [1], Q.2961.1 [2], Q.2961.2 [3], Q.2961.3 [4], Q.2961.4 [5] and Q.2961.6 [6] to provide this capability.

Source

ITU-T Recommendation Q.2934 was prepared by ITU-T Study Group 11 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 15th of May 1998.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the 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.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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Recommendation Q.2934**DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 –
SWITCHED VIRTUAL PATH CAPABILITY***(Geneva, 1998)***1 Scope**

This Recommendation specifies the procedures for establishing, maintaining, and clearing of switched virtual path connections by means of the Digital Subscriber Signalling System No. 2 (DSS 2) protocol in a point-to-point call/connection. The procedures are applicable at the T_B reference point or coincident S_B and T_B reference point (as defined in Recommendation I.413) of the Broadband-Integrated Services Digital Network (B-ISDN).

This Recommendation is part of the DSS 2 family of ITU-T Recommendations. It specifies extensions to Recommendations Q.2931 [1], Q.2961.1 [2], Q.2961.2 [3], Q.2961.3 [4], Q.2961.4 [5] and Q.2961.6 [6] and does not repeat states, information elements, messages and procedures contained therein but only specifies extensions related to the switched virtual path capability.

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 Q.2931 (1995), *Digital subscriber Signalling System No. 2 – User Network Interface (UNI) layer 3 specification for basic call/connection control and its Amendment 1* (1997).
- [2] ITU-T Recommendation Q.2961.1 (1995), *Digital subscriber Signalling System No. 2 – Additional traffic parameters: Additional signalling capabilities to support traffic parameters for the tagging option and the sustainable GII rate parameter set.*
- [3] ITU-T Recommendation Q.2961.2 (1997), *Digital subscriber Signalling System No. 2 – Additional traffic parameters: Support of ATM Transfer capability in the broadband bearer capability information element.*
- [4] ITU-T Recommendation Q.2961.3 (1997), *Digital subscriber Signalling System No. 2 – Additional traffic parameters: Signalling capabilities to support traffic parameters for the Available Bit Rate (ABR) ATM transfer capability.*
- [5] ITU-T Recommendation Q.2961.4 (1997), *Digital subscriber Signalling System No. 2 – Additional traffic parameters: Signalling capabilities to support traffic parameters for the ATM Block Transfer (ABT) ATM transfer capability.*
- [6] ITU-T Recommendation Q.2961.6 (1998), *Digital subscriber Signalling System No. 2 – Additional traffic parameters: Additional signalling procedures for the support of the SBR2 and SBR3 ATM transfer capabilities.*