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SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for
access signalling

Digital subscriber signalling system No. 2 – Signalling of individual Quality of Service parameters

ITU-T Recommendation Q.2965.2

(Formerly CCITT Recommendation)



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ITU-T Recommendation Q.2965.2

Digital subscriber signalling system No. 2 – Signalling of individual Quality of Service parameters

Summary

This ITU-T Recommendation is part of the DSS2 family of ITU-T Recommendations.

The purpose of this ITU-T Recommendation is to describe the DSS2 messages, information elements, and procedure modifications needed to support the signalling of individual QoS parameters as described in ITU-T Recommendation I.356 (2000) to ensure smooth QoS interworking with private networks.

Source

ITU-T Recommendation Q.2965.2 was prepared by ITU-T Study Group 11 (1997-2000) and approved under the WTSC Resolution 1 procedure on 3 December 1999.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. 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 turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSC Resolution 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, 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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ITU-T Recommendation Q.2965.2**Digital subscriber signalling system No. 2 – Signalling of individual Quality of Service parameters***(Geneva, 1999)***1 Scope**

Recommendation ITU-T Q.2965 covers the support of quality of service indication for the Broadband Integrated Services Digital Network (B-ISDN) at the coincident S_B and T_B reference point or at the T_B reference point as defined in ITU-T Recommendation I.413 [1] by means of the Digital Subscriber Signalling System No. 2 (DSS2). This ITU-T Recommendation defines DSS2 protocol formats and procedures that support the indication of quality of service related capabilities.

This ITU-T Recommendation is part of the DSS2 family of ITU-T Recommendations. It specifies the DSS2 messages, information elements, and procedure modifications needed to support the signalling of individual QoS parameters as described in ITU-T Recommendation I.356 [2] to ensure smooth QoS interworking with private networks.

This part specifies extensions to ITU-T Recommendations Q.2931 [4] and Q.2965.1 [3] in order to enable the optional signalling of individual Quality of Service (QoS) parameters as defined in ITU-T Recommendation I.356 [2].

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitutes 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 interface*.
- [2] ITU-T Recommendation I.356 (2000), *B-ISDN ATM layer cell transfer performance*.
- [3] ITU-T Recommendation Q.2965.1 (1999), *Digital subscriber signalling system No. 2 – Support of Quality of Service classes*.
- [4] ITU-T Recommendation Q.2931 (1995), *Digital subscriber signalling system No. 2 (DSS2) – User network interface (UNI) – Layer 3 specification for basic call/connection control and its Amendments 1, 2, 3 and 4*.
- [5] ITU-T Recommendation Q.2971 (1995), *Digital subscriber signalling systems No. 2 (DSS2) – User-network interface layer 3 specification for point-to-multipoint call/connection control*.
- [6] ITU-T Recommendation I.371 (2000), *Traffic control and congestion control in B-ISDN*.
- [7] 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 cell rate parameter set*.