



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

I.311

Amendment 1
(03/2000)

SERIES I: INTEGRATED SERVICES DIGITAL
NETWORK

Overall network aspects and functions – Network
functional principles

B-ISDN general network aspects

Amendment 1

ITU-T Recommendation I.311 – Amendment 1

(Formerly CCITT Recommendation)

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AMENDMENT 1

Summary

The amendment to subclause 5.3.1.1 will add the ATM transfer capability.

Source

Amendment 1 to ITU-T Recommendation I.311 was prepared by ITU-T Study Group 13 (1997-2000) and approved under the WTSC Resolution 1 procedure on 10 March 2000.

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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B-ISDN general network aspects

AMENDEMENT 1

1) Subclause 5.3.1.1

Add the following text after the last paragraph of section 5.3.1.1.

ATM transfer capability

Signalling VCs are used on access lines, intra-network and inter-network trunks. Signalling protocols are sensitive to delay and message loss. Due to different commercial and technical relationships like customers/network provider or network provider/network provider, different requirements for bandwidth and transfer capability parameter value for signalling VC occur.

a) *Signalling virtual channels used on access lines*

The user should have the possibility to select the bandwidth and transfer capability parameter value within the range of capability by the operator. Then, DBR according to ITU-T Recommendation I.371 is preferred to ATM transfer capability. These parameter values are created in the exchange via management function by the operator. The other possibility of ATM transfer capabilities is for further study.

b) *Signalling virtual channels used intra-network trunks*

To fulfil the end-to-end performance according to ITU-T Recommendation I.356, signalling VC should belong to QoS class 1. Also the connection establishment delay should not be delayed unnecessary by the signalling VC capability, so the transfer capability DBR shall be used. The bandwidth depends on the engineering methods of the network provider. The traffic parameter values are created in the exchange via management function by the operator.

c) *Signalling virtual channels used on the inter-network trunks*

To ensure end-to-end performance objectives also the transfer capability DBR shall be used on this network section. The bandwidth depends on the engineering methods of the adjacent network providers and has to be negotiated. The traffic parameter values are created in the exchange via management function by the operator.

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Series K	Protection against interference
Series L	Construction, installation and protection of cables and other elements of outside plant
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