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SERIES D: GENERAL TARIFF PRINCIPLES –
CHARGING AND ACCOUNTING IN INTERNATIONAL
TELECOMMUNICATIONS SERVICES

CHARGING AND ACCOUNTING FOR INTERNATIONAL
TELECOMMUNICATION SERVICES PROVIDED OVER
THE INTEGRATED SERVICES DIGITAL NETWORK
(ISDN)

**CHARGING AND ACCOUNTING PRINCIPLES TO
BE APPLIED TO INTERNATIONAL CIRCUIT
MODE DEMAND BEARER SERVICES PROVIDED
OVER THE INTEGRATED SERVICES DIGITAL
NETWORK (ISDN)**

Reedition of CCITT Recommendation D.220 published in
the Blue Book, Fascicle II.1 (1988)

NOTES

- 1 CCITT Recommendation D.220 was published in Fascicle II.1 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).
- 2 In this Recommendation, the expression “Administration” is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation D.220

CHARGING AND ACCOUNTING PRINCIPLES TO BE APPLIED TO INTERNATIONAL CIRCUIT MODE DEMAND BEARER SERVICES PROVIDED OVER THE INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

(Melbourne, 1988)

Preamble

This Recommendation sets out the general principles for charging and accounting to be applied by Administrations for the provision of international circuit mode demand bearer services provided over the ISDN. These services are defined in the relevant CCITT Recommendations.

The CCITT,

considering

(a) Recommendation D.210;

(b) that the following circuit mode bearer services have been categorized thus far as essential for demand international service:

- speech (for voice),
- 3.1 kHz audio (voice or voiceband data up to 9.6 kbit/s),
- 64 kbit/s unrestricted (voice and/or high speed data);

recommends

1 General principles

In principle, there should be no charging and accounting discrimination between bearer services which require the same network resources and/or functions to provide the service requested by the customer.

2 Collection charges

2.1 Collection charges should be in accordance with the bearer service requested by the customer.

2.2 If the network resources necessary to support the requested services are different:

2.2.1 the basic utilization charges for a service requiring 64 kbit/s unrestricted may in principle be at a rate higher than those for a service requiring 3.1 kHz audio,

2.2.2 the basic utilization charges for a service requiring 3.1 kHz audio may in principle be higher than those for a service requiring speech only.¹⁾

2.3 Measurement of a call for charging purposes should in principle be based on duration and should commence when the information channel is open for communication.

¹⁾ These points are further study.

3 Accounting

3.1 Administrations should, by agreement, establish the accounting rate(s) applicable in a given relation.

The accounting rate should be divided into terminal shares payable to the Administrations of the terminal countries and, where applicable, into transit shares payable to the transit Administration. These shares should be established in accordance with the relevant provisions of the Administrative Regulations [1] [2] and the CCITT Recommendations.

3.2 The accounting rate should, in principle, relate to the network resources and functions required to provide the service requested.

3.3 Measurement of traffic for accounting purposes should in principle be based on duration and take into account other relevant CCITT Recommendations.

References

- [1] *Final Acts of the World Administrative Telegraph and Telephone Conference Telegraph Regulations, Telephone Regulations*, ITU, Geneva, 1973. (See also Preliminary Note No. 3, page XIV.)
- [2] *Final Acts of the World Administrative Telegraph and Telephone Conference, International Telecommunication Regulations*, ITU, Melbourne, 1988.

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