INTERNATIONAL TELECOMMUNICATION UNION

CCITT

D.3

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

GENERAL TARIFF PRINCIPLES

CHARGING AND ACCOUNTING IN INTERNATIONAL TELECOMMUNICATIONS SERVICES

PRINCIPLES FOR THE LEASE OF ANALOGUE INTERNATIONAL CIRCUITS FOR PRIVATE SERVICE

Recommendation D.3

Geneva, 1992

FOREWORD

The CCITT (the International Telegraph and Telephone Consultative Committee) is a permanent organ of the International Telecommunication Union (ITU). CCITT 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 Plenary Assembly of CCITT which meets every four years, establishes the topics for study and approves Recommendations prepared by its Study Groups. The approval of Recommendations by the members of CCITT between Plenary Assemblies is covered by the procedure laid down in CCITT Resolution No. 2 (Melbourne, 1988).

Recommendation D.3 was prepared by Study Group III and was approved under the Resolution No. 2 procedure on the 16th of June 1992.

CCITT NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication Administration and a recognized private operating agency.

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Recommendation D.3

PRINCIPLES FOR THE LEASE OF ANALOGUE[1)] INTERNATIONAL CIRCUITS FOR PRIVATE SERVICE

Preamble

This Recommendation which should be applied in conjunction with the provisions of Recommendation D.1 sets out the principles intended for application to analogue[1)] telecommunication circuits leased for private service.

1 Scope of Recommendation

This Recommendation covers the lease of:

— telephone-type circuits of standard bandwidth;

— 48 kHz wideband analogue circuits;

— telegraph-type circuits;

— Digitized channels;

— high frequency radio circuits;

— special quality leased circuits.

Principles for the lease of digital circuits are contained in Recommendation D.8.

2. Telephone-type circuits of a standard bandwidth

Telephone-type circuits of a standard bandwidth are suitable for a number of applications, e.g.:

a) speech;

b) record communications, including telegraphy, facsimile telegraphy, VF telegraphy and data;

c) alternate or simultaneous voice/record, or record/record communications, in so far as combinations thereof are technically feasible.

In principle, charges should not depend on the application used.

3 48 kHz wideband analogue circuits

A rational relationship should be established between the tariffs applicable to the standard telephone-type circuits and 48 kHz circuits. This relationship should take into consideration economies resulting from new or advanced technology, and other rate making factors.

4 Telegraph-type circuits

The lease of telegraph-type circuits should be provided to meet the reasonable demand of customers, particularly in relations with developing countries.

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1) Including the use of digitized leased channels and telegraph type circuits.

The standard modulation rate is 50 baud. Where technical characteristics permit, and subject to agreement between Administrations, the following modulation rates may also be provided:

— quarter character rate;

— half character rate;

— 75 bauds;

— 100 bauds;

— 200 bauds;

— 300 bauds.

A rational relationship should be established between the tariffs applicable to the standard telephone-type circuits and telegraph-type circuits. This relationship should take into consideration economies resulting from new or advanced technology, and other rate making factors, for example the availability of unused capacity on specific routes.

5 Digitized channels

A digitized leased channel is one which is set up on a circuit equipped to transmit digital signals. This circuit may consist of both analogue and digital sections.

Circuits having the following standard classes of basic bit rates may be provided by Administrations:

— 1200 bit/s;

— 2400 bit/s;

— 4800 bit/s;

— 9600 bit/s.

Where technical characteristics permit and subject to agreement between the Administrations concerned, circuits at bit rates not mentioned above may be offered.

A rational relationship should be established between the tariffs applicable to the standard telephone-type circuits and digitized channels. This relationship should take into consideration economies resulting from new or advanced technology, and other rate making factors.

6 Leased circuits provided by high frequency radio

In the case of leased circuits provided by high frequency radio, Administrations may elect to make exceptions to the principles recommended for leased circuits in this Recommendation.

7 Leased circuits having special qualities

For the lease of a circuit having special qualities (for example, circuits meeting the technical specification set out in Recommendations M.1020 and M.1025), an additional monthly flat-rate charge may be applied by terminal Administrations to take into account the cost of providing and maintaining the circuit with the special qualities required.