INTERNATIONAL TELECOMMUNICATION UNION

# CCITT D.4 (rev. 1)

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

## GENERAL TARIFF PRINCIPLES

## CHARGING AND ACCOUNTING IN INTERNATIONAL TELECOMMUNICATIONS SERVICES

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# SPECIAL CONDITIONS FOR THE LEASE OF INTERNATIONAL (CONTINENTAL AND INTERCONTINENTAL) SOUND- AND TELEVISION-PROGRAMME CIRCUITS FOR PRIVATE SERVICE

## Recommendation D.4 (rev. 1)

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

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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.4**

# SPECIAL CONDITIONS FOR THE LEASE OF INTERNATIONAL (CONTINENTAL AND INTERCONTINENTAL) SOUND- AND TELEVISION-PROGRAMME CIRCUITS FOR PRIVATE SERVICE

(*revised 1992*)

## Preamble

This Recommendation details the provisions applicable to leased international (continental and intercontinental) sound- and television-programme circuits and associated control circuits for private service. The provisions of this Recommendation should be applied in conjunction with Recommendation D.1, except where specifically stated otherwise.

Sound- and television-programme circuits provided on an occasional basis are subject to the provisions of Recommendation D.180. Provisions governing the technical aspects and maintenance of sound- and television-programme circuits are contained in the J-, M-, and N- Series Recommendations.

## 1 General principles

1.1 The general principles as stated in § 1 of Recommendations D.1 and D.180, where applicable for leased international sound- and television-programme circuits, shall serve as the general principles for this Recommendation. The Administrations concerned may agree upon additional principles, if desired.

1.2 This Recommendation is intended to cover the use of circuits for sound- and television-programme transmission purposes only, unless otherwise agreed upon by the Administrations providing the circuits.

## 2 Definitions

The definitions applicable to the lease of sound- and television-programme circuits are contained in § 2 of Recommendation D.180. Illustrative diagrams of such circuits are included herewith as examples for reference purposes. It should be noted that these diagrams, which are extracts from Recommendation D.180, do not cover all situations [e.g. leased sound- and television-programme circuits are not always routed by the international sound programme centres (ISPCs)/international television programme centres (ITPCs)].

2.1 *Constitution of sound- and television-programme connections*

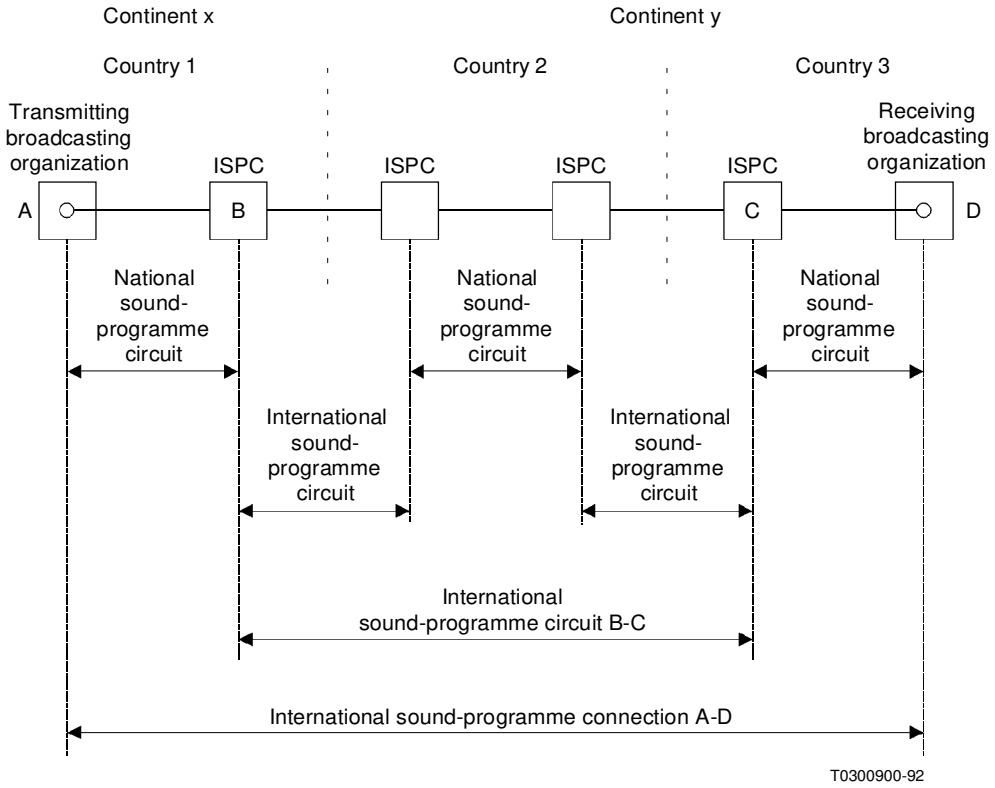


FIGURE 1/D.4

**Example of an international sound-programme connection**

## 3 Duration of the lease, charging and cancellation

3.1 This Recommendation applies to sound- and television-programme circuit leases for minimum periods as established by Administrations. The Recommendation shall apply to leases lasting normally not less than 24 hours taking into account the availability of the communications facilities used in the provision of these circuits (e.g. facilities may not be available in all cases for short-term use). If a circuit is cancelled at the request of a customer prior to the end of either the ordered or the minimum lease period, special charges may be applied as a result of early termination.

3.2 In the provision of leased sound- and television-programme circuits, Administrations should take into account the provisions of Recommendation D.1, § 5, where applicable.

3.3 In establishing the charges for leased sound- and television-programme circuits, Administrations should take into account the provisions of § 6 of Recommendation D.1

3.4 Administrations shall specify the period of notice required for cancellation prior to the initiation of service.

3.5 In the case of leased television-programme circuits, chargeable periods may commence on the day a circuit is activated and continue through the last day a circuit is furnished.

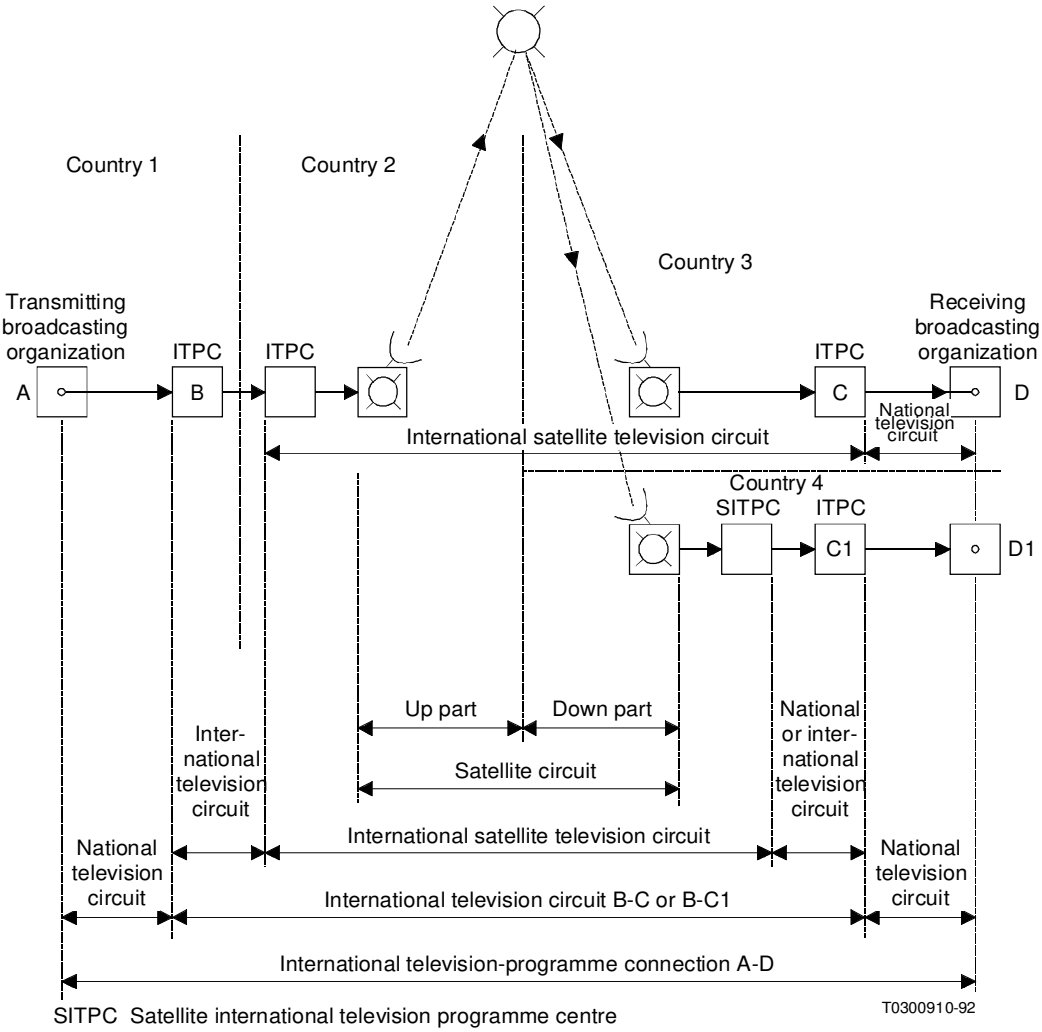


FIGURE 2/D.4

**Example of an international television-programme connection involving a satellite circuit**

3.6 In calculating the chargeable terrestrial circuit lengths, Administrations shall apply the arrangements in Recommendation D.180, § 5.5. In special cases, Administrations may agree among themselves upon the chargeable circuit lengths (e.g. for submarine cables, radio-relay links with difficult terrain conditions, transit circuits, etc.).

3.7 Administrations may establish additional charges for special services rendered at the request of customers. Examples of these special service are:

– the provision of leased programme circuits which are adapted for multiple use by means of equipment provided by Administrations;

– the provision of switching units at the ends of leased programme circuits to allow their connection with other circuits, e.g. with occasionally provided programme circuits;

–- reversals in the direction of transmission;

– the establishment of special categories of circuits.

## 4 Collection of charges – Accounting

4.1 Each Administration involved in providing leased sound- and television-programme circuits shall establish its share of the monthly rental. Charges are normally payable in advance.

4.2 In principle, such charges shall be collected by Administrations from their respective customers. In certain cases, the provisions in §§ 6.4.2 and 6.6 of Recommendation D.1 may apply.

## 5 Allowances for interruption

5.1 In addition to the conditions specified herein, conditions for granting allowances for interruptions on leased sound- and television-programme circuits, with the exception of duration, shall follow the applicable provisions contained in § 8 of Recommendation D.1 and § 5.4 of Recommendation D.180.

5.2 The duration of interruption on leased sound-programme circuits before an allowance is initiated, shall be equal to the periods stated in § 8.1 of Recommendation D.1.

5.3 The duration of interruption on leased television-programme circuits before an allowance is initiated, shall be determined by the Administration concerned before service is started. In no case should this period be greater than the period indicated in § 8.1 of Recommendation D.1; generally, the period should be of a lesser duration than that stated in § 8.1 of Recommendation D.1.

## 6 Special conditions applicable to both leased sound- and television-programme circuits

6.1 Generally, leased sound- and television-programme circuits are unidirectional. In certain cases alternate two-way circuits are ordered by the customer.

6.2 As the use of circuits for routing programmes requires close collaboration on the part of the broadcasting organizations concerned, interconnected circuits may be made available by a customer to a coordinating body which acts as a user and operates the circuits in the form of a network. In establishing a network, Administrations should take account of the relevant parts of §§ 5.1.5, 5.1.6 and 5.1.7 of Recommendation D.180.

6.3 Leased circuits established for the transmission of programmes may in turn be interconnected with circuits made available on an occasional basis by Administrations at the request of the broadcasting organizations.

6.4 The interconnection of two or more networks may be authorized by the Administrations concerned.

6.5 Generally, Administrations will not levy any construction charges for terrestrial circuits with a minimum lease period of one year or more. In the case of terrestrial circuits with a lease period of less than one year, Administrations may claim reimbursement for any construction costs incurred, as well as a reasonable compensation for the procurement of special equipement requested by the customer.

6.6 For satellite circuits, Administrations should take into account the terms and conditions of the provider of the international satellite system being utilized.

## 7 Special conditions applicable to leased sound circuits

7.1 *Types of sound circuits*

7.1.1 The types of sound circuits that may be provided for the transmission of a sound programme, or a sound component of a television program, are referred to as shown in Table 1/D.4 for ordering and charging purposes.

TABLE 1/D.4

| Type of circuit | Approximate bandwidth |
|---|---|
| Narrow-band | 3 kHz |
| Medium-band | 5 kHz |
| Wideband | 10 kHz |
| Very wideband | 15 kHz |
| Stereophonic pair | 2 at 15 kHz each |

Detailed technical parameters of some types are given in the Series J and N Recommendations.

A stereophonic pair consists normally of two very-wide-band circuits, which must be carefully matched. Each circuit of a stereophonic pair may also be used separately for monophonic transmissions.

## 8 Special conditions applicable to leased television circuits

When the vertical blanking interval is used to transmit special signals specified by the CCIR (such as VITS, VIRS, DIS and captions for the deaf) no additionnal charge shall be levied, provided that only information directly related to the switching, quality control or content of the television signal is transmitted.