



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

**M.1013**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**MAINTENANCE:  
INTERNATIONAL LEASED CIRCUITS**

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**SUB-CONTROL STATION FOR LEASED  
AND SPECIAL CIRCUITS**

**ITU-T Recommendation M.1013**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation M.1013 was published in Fascicle IV.2 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.

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## Recommendation M.1013

### SUB-CONTROL STATION FOR LEASED AND SPECIAL CIRCUITS

#### 1 Definition of circuit sub-control station

The circuit sub-control station is a point within the general maintenance organization that assists the circuit control station for international leased and special circuits with which it is concerned and fulfils the control responsibilities for one or more circuit sections assigned to it.

#### 2 Responsibilities

It is the responsibility of the circuit sub-control station to inform the circuit control station about all noted events likely to affect the circuit under their control. If circuit sections are assigned to the circuit sub-control station for the purpose of controlling them, the circuit sub-control station is responsible for these circuit sections in the same way as the circuit control station is for the complete circuit.

#### 3 Functions

3.1 Performing the control functions for circuit sections, especially national sections, as given for the circuit control station.

3.2 Cooperating with the circuit control station and other circuit sub-control stations either directly or via the TMP-IL (see Recommendation M.1014) in ensuring that routine maintenance, fault location and clearance are carried out by the responsible testing points and/or maintenance units in a proper manner.

When cooperation is requested by the circuit control station to locate and clear a fault the circuit sub-control station issues a unique reference. (If national practices already involve the issue of a unique reference number, this may be used)<sup>1</sup>. This reference number is recorded with the fault report by both the circuit control and sub-control stations.

3.3 Arranging that all relevant details concerning the location and subsequent clearance of faults are reported to the circuit control station either directly or via the TMP-IL.

3.4 Keeping accurate records of any circuit outages with which it becomes involved. The information recorded should be agreed with the circuit control station and should include:

- the reference number mentioned in § 3.2;
- the circuit outage time;
- the location of the fault, that is, in a national or international circuit section or in the renter's equipment;
- the general nature of the fault.

#### 4 Appointment of sub-control stations

For each international leased or special circuit a terminal circuit sub-control station is appointed. This is as close as practical to the end of the circuit remote from the circuit control station.

In transit countries in which a circuit is brought to audio frequencies or 64 kbit/s etc., an intermediate circuit sub-control station is appointed at a suitable point for each direction of transmission. It is left to the Administration concerned to choose:

- where this point shall be,
- whether the sub-control functions for the two directions of transmission are vested in one station or two stations,
- whether, as may be desirable in the case of a large country, each direction of transmission has more than one circuit sub-control station per transit country.

The technical service of the Administration concerned indicates its choice to the Administration responsible for the control station.

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<sup>1</sup>) Where no such unique reference number exists. Administrations may wish to consider a format containing the following elements: serial number/day of month/time (e.g. 47/03/1400G).