



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

**M.1014**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**MAINTENANCE:  
INTERNATIONAL LEASED CIRCUITS**

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**TRANSMISSION MAINTENANCE POINT  
(INTERNATIONAL LINE) (TMP-IL)**

**ITU-T Recommendation M.1014**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation M.1014 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.1014**

### **TRANSMISSION MAINTENANCE POINT (INTERNATIONAL LINE) (TMP-IL)**

#### **1 Definition of transmission maintenance point (international line)**

The transmission maintenance points (international line) are elements within the general maintenance organization located at the terminals of that part of a leased or special circuit known as the international line. An international line is defined in Recommendation M.1010. The class of circuits considered here are also referred to in Recommendations M.1012 and M.1013 concerning circuit control and sub-control functions for international leased and special circuits.

#### **2 Responsibilities and functions**

The transmission maintenance point (international line) is responsible for the following set of functions:

- 2.1 Carrying out transmission measurements on the international line as appropriate for line-up and subsequent maintenance purposes.
- 2.2 Carrying out transmission measurements and tests in conjunction with TMP-IL points in other countries to localize faults to the international line, or beyond, and taking subsequent fault clearance action, as appropriate.
- 2.3 Carrying out those functions in accordance with national procedures that will result in the isolation and clearance of any fault located in its country on behalf of the transmission maintenance point (international line) of the country with circuit control. Such functions should also be carried out where the circuit control station is located in its own country.
- 2.4 Acting as liaison point with other countries in maintenance matters of mutual concern, as required.

#### **3 Facilities**

The TMP-IL should be provided with the following facilities:

- 3.1 Access to the line access point directly or indirectly.
- 3.2 Association of test equipment to the line access points directly or indirectly to permit specified line parameters to be measured and fault localization to be made.
- 3.3 Communication with circuit control and sub-control stations in its own country.
- 3.4 Communication with TMP-ILs in other countries to which circuits are routed to enable cooperation and information to be obtained and given.