INTERNATIONAL TELECOMMUNICATION UNION

ITU-T M.717

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

MAINTENANCE:
INTERNATIONAL TELEPHONE CIRCUITS

TESTING POINT (TRANSMISSION)

ITU-T Recommendation M.717

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation M.717 was published in Fascicle IV.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 M.717

TESTING POINT (TRANSMISSION)

1 Definition of testing point (transmission)

The testing point (transmission) is an element within the general maintenance organization for the international automatic and semi-automatic telephone service at each international centre. It carries out transmission testing on international circuits whether provided by wholly analogue transmission and switching systems or by a mixture of analogue and digital systems.

2 Responsibilities and functions

The testing point (transmission) is responsible for the following set of functions:

2.1 Carrying out transmission measurements in connection with the setting-up and lining-up of international circuits.

2.2 Carrying out routine transmission tests.

2.3 Diagnostic testing on receipt of fault indications.

2.4 Passing details of the location of faults to the appropriate maintenance unit and cooperating as necessary in detailed fault localization.

2.5 Advising the circuit control or the sub-control station and the fault report point (circuit) of any difficulties detected by routine tests and the action taken in progressing the clearance of faults.

2.6 Cooperating with staff in other international centres as required.

3 Facilities

The testing point (transmission) should be provided with the following facilities:

3.1 Access to the circuit access point (for definition of these access points, refer to § 2 of Recommendation M.565).

3.2 Access to the line access point (for definition of these access points, refer to § 2 of Recommendation M.565)[1)].

3.3 Test equipment for lining-up, fault localization and routine testing of the following type of circuits:

- analogue;
- mixed analogue/digital;
- digital.

Note 1 – For definition of the circuits, see Recommendation M.560.

Note 2 – Routine tests can be omitted if the supervision functions built into the transmission and switching equipment provide sufficient indication of the overall performance.

3.4 Association of test equipment to the access points so that all transmission parameters specified for the circuits concerned may be measured.

3.5 Communication to the circuit control station and other points concerned with circuit maintenance within the same international centre.

3.6 Communication to similar points in other international centres to which circuits are routed to enable cooperation to be obtained and given.

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1) In practice, at digital exchanges, a line access point at circuit level may not exist when the exchange is interfaced by primary (or higher order) digital paths.

For digital circuits, reference should be made to Recommendation M.565.