



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

M.726

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

**MAINTENANCE:
INTERNATIONAL TELEPHONE CIRCUITS**

**MAINTENANCE ORGANIZATION
FOR THE WHOLLY DIGITAL
INTERNATIONAL AUTOMATIC
AND SEMI-AUTOMATIC
TELEPHONE SERVICE**

ITU-T Recommendation M.726

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation M.726 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.

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Recommendation M.726

MAINTENANCE ORGANIZATION FOR THE WHOLLY DIGITAL INTERNATIONAL AUTOMATIC AND SEMI-AUTOMATIC TELEPHONE SERVICE

The recommended maintenance organization for a wholly digital international telephone service is under study by Study Group IV. The detailed development of such an organization cannot be undertaken until such time as Administrations have gained sufficient experience of the operation and maintenance of digital transmission and switching systems – these systems being relatively few in number in the international network at present. However, based on present knowledge and experience, Study Group IV intends that the maintenance organization for the fully digital international telephone service be based on the following principles and concepts:

- That there be a gradual evolution of the current maintenance organization (which is intended to cover the wholly analogue and mixed analogue/digital situations) towards the organization suitable for the wholly digital network. The rate of this evolution will reflect the rate of introduction of digital systems in the international and national networks.

According to this principle, it is recognized that, in the transition from a wholly analogue to a wholly digital network, the maintenance organization of a particular international centre may be responsible for wholly analogue, wholly digital and mixed analogue/digital circuits since the three types may be terminated at a single international centre.

- That the “element” approach to defining a maintenance organization, as currently used in Recommendations M.710 to M.725, be used to define future maintenance organizations.

By the intended adoption of this concept it is recognized that the maintenance element approach offers the means of specifying a maintenance organization which can meet the needs of all Administrations, irrespective of the number of international circuits and international switching centres they operate.

In accordance with the current Study Group IV practice, significant national trends in the area of maintenance organization (for example, the trend towards increased centralization of maintenance) should be reflected in the Series M Recommendations where appropriate.