



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

**M.820**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**MAINTENANCE:**

**INTERNATIONAL TELEGRAPH SYSTEMS  
AND PHOTOTELEGRAPH TRANSMISSION**

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**PERIODICITY OF ROUTINE TESTS  
ON INTERNATIONAL VOICE-FREQUENCY  
TELEGRAPH LINKS**

**ITU-T Recommendation M.820**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation M.820 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.820

### PERIODICITY OF ROUTINE TESTS ON INTERNATIONAL VOICE-FREQUENCY TELEGRAPH LINKS

**1** The recommendations concerning the periodicity of routine tests on international telephone circuits given in Recommendation M.610 [1] are applicable to international voice-frequency telegraph links.

**2** In certain cases and by agreement between the Administrations concerned, routine maintenance measurements may be omitted if those Administrations so wish. This applies in particular where the Administrations concerned consider that the telegraph traffic may be seriously disturbed due to the lack of a suitable reserve circuit or reserve sections.

**3** Routine measurements of level at one frequency (1020 Hz) should be made at the intervals recommended for international telephone circuits (see Table 1/M.610 [2]).

Measurements at different frequencies should be made once every 12 months. Some Administrations make an annual reline of the voice-frequency telegraph link instead of routine measurements.

**4** It is desirable that the maintenance measurements on the voice-frequency telegraph reserve circuit should be made just before the maintenance measurements on the normal circuit, so that the reserve circuit can replace the normal circuit while the latter is being tested.

**5** When several voice-frequency telegraph systems are in use between two repeater stations and if the maintenance measurements on the telephone circuits between these stations are spread over several days, the measurements on the circuits carrying the voice-frequency telegraph systems should also be spread over these days; this makes it easier to carry out the measurements on the voice-frequency telegraph circuits.

**6** The periodicity of measurements on telephone circuits used as reserve circuits is as given in Table 1/M.610 [2].

For circuits providing reserve sections for an international voice-frequency telegraph link the periodicity of routine measurements will be agreed upon between the Administrations concerned.

**7** A check should be made when suitable opportunities occur, to see that the limits shown in Tables A-1/M.810, A-2/M.810 and A-3/M.810 for the permissible power per telegraph channel are not exceeded.

#### References

[1] CCITT Recommendation *Periodicity of maintenance measurements on circuits*, Vol. IV, Rec. M.610.

[2] *Ibid.*, Table 1/M.610.