



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

M.830

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

MAINTENANCE:

**INTERNATIONAL TELEGRAPH SYSTEMS
AND PHOTOTELEGRAPH TRANSMISSION**

**ROUTINE MEASUREMENTS
TO BE MADE ON INTERNATIONAL
VOICE-FREQUENCY TELEGRAPH
LINKS**

ITU-T Recommendation M.830

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation M.830 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.830

ROUTINE MEASUREMENTS TO BE MADE ON INTERNATIONAL VOICE-FREQUENCY TELEGRAPH LINKS

1 The routine maintenance measurements to be made in the two directions of transmission are measurements of level and overall loss/frequency distortion using a measurement signal of -10 dBm0 and noise.

The measuring frequencies are as follows:

- circuits providing an 18-channel telegraph system: 300, 400, 600, 800, 1020, 1400, 1900, 2400, 2600 Hz;
- circuits providing a 24-channel telegraph system: 300, 400, 600, 800, 1020, 1400, 1900, 2400, 3000, 3200, 3400 Hz.

2 If the nominal overall loss/frequency distortion exceeds the limits given in Recommendation M.810, any faults existing should first be removed, and the link should then be readjusted to within the limits given in Recommendation M.810.

3 Weighted and unweighted noise measurements should be made on the voice-frequency telegraph link at the time of the routine measurements of level as given in Recommendation M.820.