



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

**R.83**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**TELEGRAPHY**

**TELEGRAPH TRANSMISSION**

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**CHANGES OF LEVEL AND INTERRUPTIONS  
IN VFT CHANNELS**

**ITU-T Recommendation R.83**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation R.83 was published in Fascicle VII.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 R.83

### CHANGES OF LEVEL AND INTERRUPTIONS IN VFT CHANNELS

*(former CCIT Recommendation B.53, Geneva, 1956;  
amended at Geneva, 1964)*

The CCITT,

*considering*

(a) that an alarming situation for the telegraph service has been created by interruptions on voice-frequency telegraph (VFT) channels, and by changes of level that have the same effect as interruptions;

(b) that the consequences are such that, at present, the error rate that is attributed to VFT channels is still very far above the tolerable limit fixed by considerations of operational requirements (see Recommendation R.54, a) and f);

(c) that certain Administrations have observed an improvement in the situation, and that this improvement seems to result from the measures taken by the telephone services, for instance, symmetric percussion tests, precautions in the switching or power supplies, etc.;

(d) that it has been confirmed that the number of interruptions increases markedly during the normal hours when maintenance staff are present, and is reduced when, despite very heavy traffic, maintenance is suspended, so that telegraph Administrations are now convinced that one of the principal causes of interruptions on telegraph channels is intervention by maintenance personnel and perhaps by operating personnel;

(e) that it has also been observed that the number of interruptions appears greater on international circuits than on national circuits,

*unanimously declares the view*

that the drive against interruptions should be continued vigorously and that, in order to observe the progress of this drive, Administrations should continue to make symmetric observations of the frequency and duration of interruptions on voice-frequency telegraph channels,

*and draws the attention*

of the maintenance Study Group especially to the study of practical measures to remedy the situation.