



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

R.78

TELEGRAPHY

TELEGRAPH TRANSMISSION

PILOT CHANNEL FOR AMVFT SYSTEMS

ITU-T Recommendation R.78

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation R.78 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.78

PILOT CHANNEL FOR AMVFT SYSTEMS

*(former CCIT Recommendation B.43, Arnhem, 1953;
amended at New Delhi, 1960)*

The CCITT,

considering

(a) that use of a pilot channel is suggested to give an alarm in the case of an abnormal drop in the receiving level of the bearer circuit in amplitude-modulated voice-frequency telegraph (AMVFT) systems;

(b) that service channels could have been used as pilot channels for this alarm signal, but since there is not always a service channel in each VF group, it is suggested that channels be chosen for the alarm signal,

unanimously declares the view

(1) that it is advisable to use a pilot channel to give an alarm in the case of an abnormal drop in the receiving level of the bearer circuit carrying an AMVFT system;

(2) that the level at which the alarm should work should be fixed by the Administration at the receiving end;

(3) that the pilot channel frequency should, as far as possible, be 300 Hz, transmitted with a power level corresponding to that of a frequency-modulated channel in accordance with Table 1/R.35;

(4) that, if such an arrangement cannot be adopted, the Administrations concerned should agree on the use of one of the standardized frequencies for the pilot channel used for alarm purposes.

Note – The case of 50-baud frequency-modulated systems is dealt with Recommendation R.35.