



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

**S.10**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**TELEGRAPHY**

**ALPHABETICAL TELEGRAPH TERMINAL  
EQUIPMENT**

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**TRANSMISSION AT REDUCED CHARACTER  
TRANSFER RATE OVER A STANDARDIZED  
50-BAUD TELEGRAPH CHANNEL**

**ITU-T Recommendation S.10**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation S.10 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 S.10**

**TRANSMISSION AT REDUCED CHARACTER TRANSFER RATE  
OVER A STANDARDIZED 50-BAUD TELEGRAPH CHANNEL**

*(Geneva, 1972)*

The CCITT,

*considering*

- (a) that there is a requirement for transmission at reduced character transfer rates on leased telegraph circuits;
- (b) that the cost of devices to subdivide a standardized 50-baud telegraph channel for simultaneous use by a number of users is relatively high;
- (c) that a number of Administrations meet the demand for transmission at reduced character transfer rates by providing a separate standardized 50-baud telegraph channel for each user and that the number of transmitted characters per minute is then limited by controlling the operation of the telegraph machine;
- (d) that, in the case of a pause in transmission for a period equal to or longer than 30 seconds, operators or subscribers are recommended to send a letter-shift (combination No. 29 in International Telegraph Alphabet No. 2) and to wait at least 2 seconds after the emission of this signal before recommencing transmission [Recommendation S.7, § (3)],

*unanimously declares the view*

- (1) that the preferred method of providing transmission at reduced character transfer rate on standardized 50-baud telegraph channels is an arrangement that employs one transmitted character followed by a period of stop polarity, the duration of which is determined in accordance with (2) and (3) below;
- (2) for quarter-speed operation (100 characters per minute), the duration of the period of stop polarity required is equivalent to 3 character periods;
- (3) for half-speed operation (200 characters per minute) the duration of the period of stop polarity required is equivalent to 1 character period.