



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**R.62**

**TELEGRAPHY**

**TELEGRAPH TRANSMISSION**

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**SITING OF REGENERATIVE REPEATERS  
IN INTERNATIONAL TELEX CIRCUITS**

**ITU-T Recommendation R.62**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation R.62 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.62

### SITING OF REGENERATIVE REPEATERS IN INTERNATIONAL TELEX CIRCUITS

*(former CCIT Recommendation B.26, 1951; amended at Geneva, 1956 and 1964, Mar del Plata, 1968 and Malaga-Torremolinos, 1984)*

The CCITT,

*considering*

- (a) that insufficient experience has been acquired in the use of regenerative repeaters;
- (b) that it nevertheless seems desirable to lay down a provisional rule governing the siting of regenerative repeaters, with a view to the preparation of plans for international telegraph communications by switching;
- (c) that it would also appear desirable that the signals transmitted by an international terminal exchange should not be affected by a higher degree of distortion than those recommended in Recommendations R.57 and R.58,

*unanimously declares the view*

(1) that, when the transmission quality demands it, Administrations agree with one another on the necessity for inserting regenerative repeaters and for taking the necessary steps so that the location chosen ensures that the expenses are equally shared between the Administrations and is appropriate to the organization of their telex and general switching networks and to the quality of transmission that it is possible to provide on complete connections;

(2) that in the automatic intercontinental telex and gentex transit network (see Recommendation F.68 [1]), where regeneration is not inherently provided by time-division multiplex equipment or switches with inherent regeneration, start-stop regenerative repeaters shall be provided in the receive path of the connection at the intercontinental transit centre

*Note* – Start-stop regenerative repeaters and time-division multiplex equipment in accordance with CCITT Recommendations are generally suitable only for normal (50-baud, 5-unit code) telex and gentex operation. Special uses of the automatic intercontinental transit network (cf. § 7 of Recommendation U.11), involving other codes and speeds, raise problems that have to be investigated.

#### Reference

- [1] CCITT Recommendation *Establishment of the automatic intercontinental telex network*, Rec. F.68.