



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.601

TRANSMISSION MEDIA CHARACTERISTICS

TERMINOLOGY FOR CABLES

ITU-T Recommendation G.601

(Extract from the *Blue Book*)

NOTES

- 1 ITU-T Recommendation G.601 was published in Fascicle III.3 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.

© ITU 1988, 1993

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the ITU. Document

AVA

Documents

Document Sharing Hub

TERMINOLOGY FOR CABLES

(Geneva, 1980)

1 General terms: repeaters, power feeding, etc.

1001 repeater

F: répéteur

S: repetidor

An equipment essentially including one or several amplifiers and/or *regenerators*, and associated devices, inserted at a point in a transmission medium.

Note - A repeater may operate in one or both directions of transmission.

1002 analogue repeater; analog repeater

F: répéteur analogique

S: repetidor analógico

A repeater for amplifying analogue signals or *digital signals* and capable of other functions, but excluding *regeneration of digital signals*.

1003 regenerative repeater

F: répéteur régénérateur

S: repetidor regenerativo

A repeater ensuring *regeneration of digital signals*, and capable of other functions.

Note - This definition is different from that given in Recommendation G.701 [1]. At the time when Recommendation G.701 was drafted, a suitable CCITT definition of *repeater* was not available. The ensemble of definitions given here makes it desirable to incorporate the *regenerative repeater* in the family of transmission systems, instead of defining it only as a device, as is the case in Recommendation G.701.

1004 directly powered (repeater) station

F: station (de répéteurs) à alimentation indépendante

S: estación (de repetidores) alimentada directamente

A *repeater station* which receives its electric power directly from the local mains or from a local generator.

1005 power feeding (repeater) station

F: station d'alimentation (de répéteurs)

S: estación (de repetidores) de telealimentación

A *directly powered repeater station* which supplies electric power to other *repeater stations*