



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

**V.7**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

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**DATA COMMUNICATION OVER THE TELEPHONE  
NETWORK**

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**DEFINITIONS OF TERMS CONCERNING DATA  
COMMUNICATION OVER THE TELEPHONE  
NETWORK**

**ITU-T Recommendation V.7**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation V.7 was published in Fascicle VIII.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 V.7

### DEFINITIONS OF TERMS CONCERNING DATA COMMUNICATION OVER THE TELEPHONE NETWORK

(Geneva, 1980; amended at Malaga-Torremolinos, 1984 and at Melbourne, 1988)

*Note* - This Recommendation contains only new and amended definitions of terms concerning data communication over the telephone network which were elaborated by Study Group XVII since 1977 and approved by the VIIth and VIIIth Plenary Assemblies of the CCITT.

It should be noted that there exist a large number of relevant definitions in force which have been published in the *List of definitions of essential telecommunication terms*, Part I (including its two Supplements), *Green Book*, Volume VIII and *Orange Book*, Volume VIII.2.

#### 1 effective data transfer rate

*F: débit effectif du transfert des données*

*S: velocidad real de transferencia de datos*

The average number of bits, characters, or blocks per unit time transferred from a data source to a data sink and accepted as valid. It is expressed in bits, characters, or blocks per second, minute, or hour.

#### 2 error control

*F: contrôle des erreurs*

*S: control de errores (protección contra errores)*

That part of a protocol controlling the detection and possibly the correction of transmission errors.

#### 3 data concentrator

*F: concentrateur de données*

*S: concentrador de datos*

Equipment that permits a common transmission medium to serve more *data sources* than there are data channels currently available within the transmission medium.

#### 4 simple multipoint circuit

*F: circuit multipoint simple*

*S: circuito multipunto simple*

A multipoint circuit that does not contain more than two DCEs in series and that provides for centralized multipoint operation.

#### 5 inband signalling

*F: signalisation dans la bande*

*S: señalización dentro de banda*

The exchange of control signals between interconnected DCEs using the DCE line signal band with which data in the forward channel are transmitted. The transmission of DTE data, if any, is disrupted.

**6 out-of-band signalling**

*F: signalisation hors bande*

*S: señalización fuera de banda*

The exchange of control signals between interconnected DCEs using signals other than those for the transmission of data in the forward channel. The transmission of DTE data is not disrupted.

**7 coded inband signalling**

*F: signalisation dans la bande avec codage*

*S: señalización codificada dentro de banda*

Inband signalling by which control signals are exchanged via data in the forward channel.

**8 half-duplex operation**

*F: exploitation en semi-duplex*

*S: explotación (o funcionamiento) semidúplex*

The exchange of data in either direction, one direction at a time.

**9 interface rate**

*F: débit à l'interface*

*S: velocidad de interfaz*

The transfer rate of the bit stream found on the physical interchange circuits.

**10 information rate**

*F: débit d'information*

*S: velocidad de información*

The transfer of information bits (the equivalent of the bit rate of circuit 103 or 104 on a V.24 interface).

**11 control signalling rate**

*F: débit de la signalisation de commande*

*S: velocidad de señalización de control*

The transfer rate of the encoded and multiplexed control signalling (the equivalent of V.24 and V.25 interchange circuits, except the data and timing circuits, insofar as required for an application, with the possibility of adding other signalling).

**12 parallel automatic calling**

*F: appel automatique en parallèle*

*S: llamada automática paralelo; llamada automática en modo paralelo*

A procedure by which a DTE, by use of the 200 series interchange circuits, may instruct a DCE to perform the call establishment function. The transmission, from DTE to DCE, of each digit to be dialled is achieved in parallel form on interchange circuits 206 to 209.

**13 serial automatic calling**

*F: appel automatique en série*

*S: llamada automática serie; llamada automática en modo serie*

A procedure by which a DTE, by use of the 100 series interchange circuits, may instruct a DCE to perform

the call establishment function. The transmission from DTE to DCE, of each digit to be dialled, is achieved in serial form on interchange circuit 103.

#### 14 start-stop transmission

*F: transmission arythmique*

*S: transmisión arrítmica*

A form of anisochronous transmission in which each group of contiguous data units is preceded by a start signal and is terminated by a stop signal.