



INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

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SERIES X: DATA COMMUNICATION NETWORKS:
TRANSMISSION, SIGNALLING AND SWITCHING,
NETWORK ASPECTS, MAINTENANCE AND
ADMINISTRATIVE ARRANGEMENTS

Data communication networks – Transmission, signalling
and switching

**NUMBERING OF CHANNELS ON
INTERNATIONAL MULTIPLEX LINKS AT
64 kbit/s**

Reedition of CCITT Recommendation X.53 published in
the Blue Book, Fascicle VIII.3 (1988)

NOTES

- 1 CCITT Recommendation X.53 was published in Fascicle VIII.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.

Recommendation X.53

NUMBERING OF CHANNELS ON INTERNATIONAL MULTIPLEX LINKS AT 64 kbit/s

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

The CCITT,

considering that

Recommendations X.50 and X.51 define multiplexing schemes for international links at 64 kbit/s.

unanimously declares

the following view on the numbering of the tributary channels.

Tributary data channels conveyed within a 64-kbit/s multiplex link according to Recommendations X.50 and X.51, should be identified, for operational and maintenance purposes, by the following label:

i) One decimal digit D_1 indicating the multiplexing structure.

$D_1 = 1$ for the 80 8-bit envelope structure (Division 2 of Recommendation X.50).

$D_1 = 2$ for the 20 8-bit envelope structure (Division 3 of Recommendation X.50).

Note – This applies to multiplexing structures defined in Recommendation X.50 only.

ii) One decimal digit D_2 indicating the channel rate.

$D_2 = 3, 4, 5, 6$ for the rates of 600, 2400, 4800, 9600 and 48 000 bit/s respectively.

Note – Digits 1 and 2 are reserved for user classes of service 1 and 2.

iii) Two decimal digits, D_3 and D_4 , indicating the position “n” assigned in the frame with respect to the first envelope of the channel considered; $n \leq 80$ for the 80 envelopes frames defined in Recommendation X.50 (Division 2) and Recommendation X.51; $n \leq 20$ for the 20 envelopes frame defined in Recommendation X.50 (Division 3).

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