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CCITT

THE INTERNATIONAL
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CONSULTATIVE COMMITTEE

I.464

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SERIES I: INTEGRATED SERVICES
DIGITAL NETWORK (ISDN)

Overall network aspects and functions,
ISDN user-network interfaces

**MULTIPLEXING, RATE ADAPTION AND
SUPPORT OF EXISTING INTERFACES
FOR RESTRICTED 64 KBIT/s TRANSFER
CAPABILITY**

Reedition of CCITT Recommendation I.464 published in
the Blue Book, Fascicle III.8 (1988)

NOTES

1 CCITT Recommendation I.464 was published in Fascicle III.8 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 I.464

MULTIPLEXING, RATE ADAPTION AND SUPPORT OF EXISTING INTERFACES FOR RESTRICTED 64 KBIT/S TRANSFER CAPABILITY

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

Restricted 64 kbit/s transfer capability is defined as "64 kbit/s octet-structured capability with the restriction that an all-zero octet is not permitted".

The procedures given in Recommendations I.460, I.461 (X.30), I.462 (X.31), I.463 (V.110) and I.465 (V.120) for rate adaption, multiplexing and support of existing interfaces for 64 kbit/s, are fully compatible with the restricted 64 kbit/s transfer capability except for the following limitations:

- i) For time division multiplexing, the 8th bit of each octet of the 64 kbit/s stream will be set to binary 1. This procedure is the same as that used for time division multiplexing into an unrestricted 64 kbit/s channel where the full 64 kbit/s is not utilized.
- ii) Rate adapting an X.25 DTE, as contained in Recommendation I.462 (X.31) and rate adapting DTEs for circuit mode as described in Recommendation I.465 (V.120), for use with the restricted 64 kbit/s transfer capability, is a matter for urgent further study.

The procedures in Recommendation I.462 (X.31) apply only to synchronous terminals.

The procedures in Recommendations I.460, I.461 (X.30), I.463 (V.110) and I.465 (V.120) apply to both synchronous and asynchronous terminals.

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