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ITU-T

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T.71

TERMINAL EQUIPMENT AND PROTOCOLS FOR TELEMATIC SERVICES

LINK ACCESS PROTOCOL BALANCED (LAPB) EXTENDED FOR HALF - DUPLEX PHYSICAL LEVEL FACILITY

ITU-T Recommendation T.71

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation T.71 was published in Fascicle VII.5 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.

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Recommendation T.71

LINK ACCESS PROTOCOL BALANCED (LAPB) EXTENDED FOR HALF-DUPLEX PHYSICAL LEVEL FACILITY

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

The CCITT,

considering

(a) that the Teletex service will be introduced in different types of networks, i.e. circuit switched public data networks (CSPDN), packet switched public data networks (PSPDN) and public switched telephone networks (PSTN);

(b) that depending on the service provided by the physical level, the link level procedures may have to cater for a half-duplex transmission facility;

(c) that some Administrations are considering the provision of a Teletex service with a half-duplex transmission facility on the PSTN;

(d) that modems according to Recommendation V.26 *bis* are suitable for half-duplex transmission at 2400 bit/s on PSNTs,

unanimously declares

that this Recommendation defines the link level procedure using LAPB extended for half-duplex physical level service.

1 Introduction

1.1 General

1.1.1 Figure 1/T.71 shows the half-duplex transmission module (HDTM) for extending the use of LAPB for operation of Teletex terminals connected to the PSTN where use of half-duplex 2400 bit/s modems is planned. This is referred to in Recommendation T.70 as LAPX.

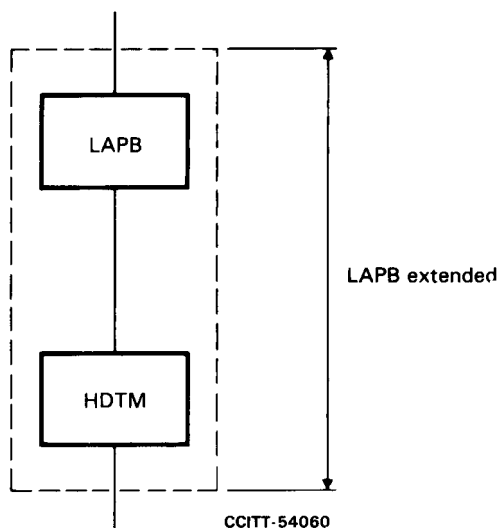


FIGURE 1/T.71

**Teletex data link layer for PSTN based on LAPB plus
the half-duplex transmission module (HDTM)**