

ECMA-105, Data Link Layer Protocol for the D-Channel of the Interfaces at the Reference Point between Terminal Equipment and Private Telecommunication Networks

SCOPE

This ECMA Standard describes in general terms the Link Access procedure on the D-channel, LAPD. This protocol is based on the Data Link layer protocol such as described in CCITT Recommendations 1.440 and 1.441.

The purpose of LAPD is to convey information between layer 3 entities across the PCSN user-network interface using the D-channel.

The definition of LAPD uses the principles and terminology of:

-CCITT Recommendation X.200 and X.210 - the reference model for Open Systems Interconnection (OSI); and

-CCITT Recommendation X.25 LAPB - user-network interface for packet mode terminals; and

-ISO 3309 and ISO 4335 - High-level Data Link Control (HDLC) standards for frame structure and elements of procedures.

LAPD is a protocol that operates at the Data Link layer of the OSI architecture. The relationship between the Data Link layer and other protocol layers is defined in CCITT Rec. 1.311.