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GR303 (IDLC)

The Integrated Digital Loop Carrier (IDLC) is required when a digital loop carrier system is integrated into a local digital link. The link access procedure on the D Channel for ISDN LAPD is the basis for the call processing and operations data-link layer protocol of the IDLC interface. The IDLC is above the LAPD protocol.

The format of the IDLC header is shown in the following illustration:

8	7	6	5	4	3	2	1	Octet
Protocol discriminator								1
Call reference element								2-4
Message type								5
Information element								6-n

IDLC header structure

Protocol discriminator

Used in both the TMC and CSC reference models to distinguish IDLC call processing messages from standard messages.

Call reference

Used on the TMC and CSC to identify the call (and customer) to which a message applies.

Message type

Used on both the TMC and CSC to identify the message being sent. Available message types include: Alerting, Call Proceeding, Setup, Connect, Setup-Acknowledge, Connect Acknowledge, Disconnect, Release, Release Complete, Notify, Status-Enquiry, Information, Status.