

4.3.52.5 Diagnostic capability descriptors

4.3.52.5.1 Link Fault Capability descriptor

Link Degrade Signaling is supported by monitoring errors in the FEC logic (see FC-FS-5). The Link Fault Capability descriptor provides a mechanism to exchange the Link Degrade Signaling function parameters between two ports. This allows each port to determine the error rate associated with the Link Degrade Signal when it is received.

The Link Fault Capability descriptor is shown in table 182.

Table 182 – Link Fault Capability descriptor

Bits Word	31 .. 24	23 .. 16	15 .. 8	7 .. 0
0	Link Fault Capability Descriptor tag = 0001 000Dh			
1	Descriptor Length = 12			
2	Activate threshold symbol error count			
3	Deactivate threshold symbol error count			
4	RS-FEC code word interval count			

~~**Activate threshold symbol error count:** The upper threshold of pre-FEC symbol errors that, when exceeded, activates the remote degrade signal.~~

~~**Deactivate threshold symbol error count:** The lower threshold of pre-FEC symbol errors that deactivates the remote degrade signal when the count falls below the threshold while the remote degrade signal is active.~~

~~**RS-FEC code word interval count:** The number of code words defining an interval.~~

4.4 Extended Link Service Reply Sequences

4.4.1 Overview

An ELS Reply Sequence shall signify that the ELS request Sequence is completed. The reply Sequence may contain data in the Payload following the ELS_Command code word. The format and meaning of the Payload is specified in the request ELS definition.

4.4.2 LS_ACC

The Link Service Accept (LS_ACC) ELS reply Sequence shall notify the originator of an ELS request that the ELS request Sequence has been completed. The Responder shall terminate the Exchange by setting the Last Sequence bit (Bit 20) in F_CTL on the last Data frame of the reply Sequence. The first byte of the Payload shall contain 02h. The remainder of the Payload is unique to the ELS request.

Protocol: LS_ACC is the reply Sequence for several ELSs as indicated in the applicable clause.

Addressing: The D_ID field designates the source of the ELS Sequence being accepted while the S_ID field designates the destination of the request Sequence being accepted.