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FCP-3 PRLI Accept Clarification

Overview

FCP is not clear on whether to return an LS_RJT or PRLI Accept with an accept response code when the Responder FCP_Port does not support the Service Parameter Page TYPE code, the PRLI Request is incorrect, or the requested image pair cannot be established.

Paragraph 4 of FCP-3, clause 6.3.1 (Use of Process Login by the Fibre Channel protocol) states that "A reason code shall be provided if the PRLI request is incorrect or if a requested image pair cannot be established.". This appears to imply that an LS_RJT is returned since "reason code" is usually used to refer to the error value returned in the LS_RJT.

However, the general description of PRLI and the accept response codes seem to imply that a PRLI Accept with the appropriate accept response code is returned in the above case. Also, the next paragraph, "A link service reject (LS_RJT) indicates that the PRLI request is not supported or is incorrectly formatted" does not include the invalid TYPE code, PRLI Request is incorrect, and requested image pair cannot be established as reasons to return LS_RJT.

Proposed Solution

In paragraph 4 of clause 6.3.1 make the following change (deletions are denoted by ~~red-strikeout text~~ and insertions by **blue text**):

~~A reason code~~ **An accept response code indicating other than REQUEST EXECUTED (see 6.3.5 and FC-LS)** shall be provided if the PRLI ~~request~~ **Service Parameter page** is incorrect or if a requested image pair cannot be established

In the paragraph in 6.3.4 specifying the TARGET FUNCTION bit make the following change:

A Responder receiving such an invalid FCP Service Parameter page shall notify the Originator with a PRLI accept ~~reason~~ **response** code of ~~INVALID SERVICE PARAMETERS OF PAGE~~ **SERVICE PARAMETERS ARE INVALID** and the IMAGE PAIR ESTABLISHED bit set to zero.