

TO: T10 Membership, SMC-3 Working Group
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SUBJECT: SMC-3 Use of LOGICAL UNIT COMMUNICATION FAILURE (document T10/08-271r0)

Rev0 – Initial draft.

Related Documents

SMC-3r11

Introduction

This document proposes a meaning and use of sense code LOGICAL UNIT COMMUNICATION FAILURE per action item 14Jan08-12.

Discussion

The approach taken in this proposal is to build upon the existing description of the media changer in the model clause, and specifically the communication between the SCSI target port and the media changer logical unit. This may be better suited for SPC at some point, as it may not be unique to media changers.

Proposed Changes to SMC-3

Proposed new text is shown in [blue](#). Proposed deletions are shown in ~~red-strikeout~~.

Changes to 5.1 Introduction

(For brevity, the entire sub-clause is not replicated here)

If a data transfer device served by the media changer is a SCSI device, then the data transfer device may be addressed on a SCSI service delivery subsystem through the same SCSI target port as the media changer but with a different LUN. The data transfer device may also be addressed through independent SCSI target ports and any LUN on the same or a different service delivery subsystem. [If the SCSI target port is not able to communicate with the logical unit that contains the media changer device server, then commands and task management functions addressed to that logical unit shall be rejected with CHECK CONDITION status, with the sense key set to HARDWARE ERROR, and the additional sense code set to LOGICAL UNIT COMMUNICATION FAILURE.](#)