

T10/08-260r2 SMC-3 Use of LOGICAL UNIT NOT READY, OFFLINE error code

To: T10 Technical Committee

From: Noud Snelder, BDT (noud.snelder@bdt.de)

Date: 14 July 2009

Subject: T10/08-260r0 SMC-3 Use of LOGICAL UNIT NOT READY, OFFLINE error code

Revision History

Revision 0 (23 June 2008): initial revision

Revision 1 (5 May 2009): incorporated comments from Rod Wideman

Revision 2 (14 July 2009): incorporated changes from July SMC3 WG meeting

Related Documents

SMC3r11 - SCSI Media Changer Commands - 3

ADC2r07c – Automation/Drive Interface Commands - 2

Overview

The SMC3 working group is attempting to clarify the use of some existing error codes in the standard to avoid misinterpretation. The error code LOGICAL UNIT NOT READY, OFFLINE is one of these error codes. This document specifies its use within media changers.

Background

ADC2 specifies the use of LOGICAL UNIT NOT READY, OFFLINE (see 6.2.2.3.2 RMC logical unit descriptor format) as follows: If the OFFLINE bit is set to one, then the RMC device server shall return CHECK CONDITION status with the sense key set to NOT READY and the additional sense code set to LOGICAL UNIT NOT READY, OFFLINE to all commands that require the RMC logical unit to be in the ready state. If the OFFLINE bit is set to zero, then the RMC device server shall respond normally to commands.

Suggested Changes to SMC-3

Proposed new text is shown in *blue*. Proposed deletions are shown in ~~red~~ *strikeout*.

~~[Add definition (copied from ADC2):]~~

~~3.1.x ready state: A state where a logical unit is able to process a medium access command without returning CHECK CONDITION status with the sense key set to NOT READY.~~

[Add chapter:]

5.6.2.6 ~~Error reporting~~Offline

~~When~~ If the media changer is not in the ready state ~~device server is unable to process commands that require the device server to be in the ready state (e.g., MOVE MEDIUM) due to user access~~ the media changer being under operator control (e.g., an ~~user making configuration changes, an user rearranging media, an user running diagnostics tests~~ operator is accessing media or performing maintenance) then the device server may terminate the command with CHECK CONDITION status, with the sense key set to NOT READY and the additional sense code set to LOGICAL UNIT NOT READY, OFFLINE.