

## T10/08-038r1 SMC-3 Use of LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code

To: T10 Technical Committee

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Subject: T10/08-038r1 SMC-3 Use of LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code

### Revision History

Revision 0 (31 December 2007): initial revision

Revision 1 (27 April 2008): incorporated comments from Rod Wideman

### Related Documents

SMC3r01 - SCSI Media Changer Commands - 3 revision 9

### Overview

The SMC3 WG sees the need describing the use of some existing error codes in the command standard to avoid misinterpretation. The error code LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED is one of these error codes. This document specifies its use within media changers.

### Suggested Changes to SMC-3

#### 5.2.6 Element status maintenance requirements

When a media changer receives a valid READ ELEMENT STATUS command with an CURDATA bit set to zero, the media changer returns ~~information required by each page type~~ element status data (e.g., full, error) as command response data. The media changer may maintain ~~this information~~ the element status data at all times or it may regenerate it after receiving a valid READ ELEMENT STATUS command with the CURDATA bit set to zero.

The optional INITIALIZE ELEMENT STATUS and INITIALIZE ELEMENT STATUS WITH RANGE commands may be used to force regeneration of ~~this information~~ element status data.

If the device server is unable to process a command due to invalid element status data (e.g., a MOVE MEDIUM command), then the device server may terminate the command with CHECK CONDITION status, the sense key shall be set to NOT READY and the sense data shall be set to LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED. The device server may continue to respond with this sense data until after successfully processing a READ ELEMENT STATUS command with CURDATA set to zero, an INITIALIZE ELEMENT STATUS command, or an INITIALIZE ELEMENT STATUS WITH RANGE command to resolve this situation. A media changer that returns LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code shall support the INITIALIZE ELEMENT STATUS command.

*[Editor note: Why not make IES a mandatory command]*