

## **T10/08-038r0 SMC-3 Use of LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code**

To: T10 Technical Committee

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Subject: T10/08-038r0 SMC-3 Use of LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code

### **Revision History**

Revision 0 (31 December 2007): initial revision

### **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 a 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 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 a media changer is unable to perform a command due to invalid element status data, then the device server may abort the command with CHECK CONDITION status. The sense data shall be set to LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED. An application client should send a READ ELEMENT STATUS command with CURDATA set to zero, or INITIALIZE ELEMENT STATUS command, or 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]*