To: T10 Technical Committee
From: Kevin Marks (Kevin_Marks@dell.com) Dell, Inc.
Date: December 13, 2004
Subject: T10/05-005r0 - SES-2: Audible Alarm Element Addition

Revision History

Revision 0 (12/13/04)

Related Documents

SCSI Enclosure Services – 2 (T10/1559-D - SES-2r9)

Overview

Dell sees a need to mute the audible alarm element, so that new error conditions that occur do not cause the muted state to be cleared as currently defined, in essence disabling the audible alarm element. This proposal accomplishes this action by changing table 35 to allow the DISABLE bit in the common status to apply to the alarm element and allows it to be disabled.

Suggested Changes:

Modify **Table 35 — Element type codes** to change the DISABLE bit Reference for the Audible Alarm to "**7.3.8**" from "not defined", as shown below:

Table 35 — Element type codes

Type Code	Type of element	DISABLE bit Reference	Threshold	Reference
….	….	….	….	….
05h	Door Lock	not defined	none	7.3.7
06h	Audible Alarm	7.3.8	none	7.3.8
07h	Enclosure Services Controller Electronics	Not defined	None	7.3.9
….	….	….	….	….

Add the following text in 7.3.8 Audible Alarm element (PAGE 59) to include the DISABLE bit text as indicated in blue text:

7.3.8 Audible Alarm element

When the DISABLE bit in the COMMON CONTROL field (see 7.2.2) is set, the audible alarm shall be disabled and emit no sound regardless of error conditions that exist. When the DISABLE bit is set to zero, the audible alarm is enabled and may emit sound when error conditions exist.

The format of the control field for an Audible Alarm element is defined in table 55.

<Insert Table 55>

The COMMON CONTROL field is specified in 7.2.2.

… … …