

T10/04-111 revision 0

Date: March 26, 2004

To: T10 Committee (SCSI)

From: George Penokie (IBM/Tivoli)

Subject: SBC-2 - Protection Information Checking within Service Delivery Subsystem

1 Overview

In the protection information description in SBC-2 section 4.15.1 Protection information overview the following statement is made:

If the logical unit is formatted with protection information and the EMDP bit is set to one in the Disconnect-Reconnect mode page (see SPC-3), then checking of the logical block reference tag or the logical block guard within the service delivery subsystem may cause false errors because logical blocks may be transmitted out of order.

The statement that false errors may occur because blocks may be transmitted out of order does not apply to the logical block guard as that is a check of the block itself and does not care what the order of the blocks is. Although it may be possible that a service delivery subsystem may see data within a block that is not in the original order that is not how the above statement reads.

2 Recommendation

The indicated paragraph should be change to:

If the logical unit is formatted with protection information and the EMDP bit is set to one in the Disconnect-Reconnect mode page (see SPC-3), then checking of the logical block reference tag ~~or the logical block guard~~ within the service delivery subsystem may cause false errors because logical blocks may be transmitted out of order.