

To: T10 Committee (SCSI)

From: George Penokie (IBM)

Subject: Message Issues

1 Clear ACA

The Clear ACA task management function is unclear about what the Target should do after it receives this message and clears the ACA. The intent was that the Target should continue to process the connection that means proceeding to the command phase if the Clear ACA was the last message of the initial connection or receiving another message. However, the placement of this message in the task management section of the standard where all the other messages cause a bus free to occur tends to imply that Clear ACA should have the same behavior (guilt by association). I propose the following wording be placed in the Clear ACA section of SPI-2:

'On receipt of a Clear ACA message the task manager, in addition to clearing the ACA condition, shall continue processing the current task.'

2 Disconnect privilege bit in Identify

The information about when the disconnect privilege bit is allowed to be set to zero (no disconnect allowed) was defined in SCSI-2 but not in SCSI-3. This needs to be corrected in SPI-2. I propose the following be added to SPI-2:

In the Identify section in the description of the DISCPRIV bit of zero place a reference to the task attribute message section.

In the task management messages section place the following:

'If the disconnect privilege is not granted in the IDENTIFY message (see xxx) the target role agent shall, if there are any pending tasks, generate a status service with a BUSY status for the task not granting disconnect privilege if the target role agent determines that current task cannot be completed without reconnecting any of the pending tasks.'

'The target role agent shall generate a status service with a BUSY status for a task not granting disconnect privilege in the IDENTIFY message (see xxx) if:

- a) there are any pending tasks, and
- b) the target role agent determines that current task cannot be completed without reconnecting any pending tasks.'

3 Message out service

The message reject wording was not listed in several figures in SIP (list to follow). The following should be changed: The description that reads 'Message out services shall continue until the attention flag in confirmation is set to zero (see 9.2).' should be changed to 'Message out services shall continue until the attention flag in confirmation is set to zero (see 9.2), except when rejecting a message.' in figures; 11, 25, 26, 37, 46, 48, 50, 54, 52, and 56.