IBM

To: T10 Technical Committee

From: Kevin Butt, IBM

Document: T10/04-229r0

Subject: Automation/Drive Interface - Commands (ADC) - Resolution of LB Comment IBM Butt 1.

IBM Butt 1: 6.1.4 Requested Recovery log page Add a method to indicate that a retrieval of a drive error log (dump) is requested prior to performing the requested recoveries.

Related Proposals: 04-230.

Proposal

After discussing the intended direction of this proposal with the ADI WG and finding opposition to my original direction, I have created two options for this proposal. Option 1 is to simply add two Recovery procedures to the Requested Recovery page and assume that proposal 04-230 is rejected. Option 2 is to withdraw this proposal if 04-230 passes.

Option 1

6.1.4 Requested Recovery log page

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The RECOVERY PROCEDURE fields specify a list of recovery procedures (see table 19) listed in order from the most preferred to the least preferred procedure.

TABLE 19 — Recovery procedures

Recovery Procedure	Description
00h	Recovery not requested
01h	Recovery requested, no recovery procedure defined
02h	Push medium
03h	Remove and re-insert medium
04h	Issue UNLOAD command, remove, and re-insert medium
05h	Cycle power to DT device
06h	Issue LOAD command
07h	Issue UNLOAD command
08h	Issue Logical Unit Reset request
09h	No recovery procedure defined. Contact service organization

TABLE 19 — Recovery procedures

Recovery Procedure	Description
0Ah	Issue UNLOAD command, remove, and quarantine medium
0Bh	Do not insert medium. Contact service organization
0Ch	Issue UNLOAD command, remove medium, and contact service organization
0Dh	Trigger a DT device drive dump
0Eh	Retrieve a DT device drive dump
0Fh – 07Fh	Reserved
80h – FFh	Vendor-specific procedures