To: INCITS T10 Committee
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Date: July 18, 2003
Document Number: T10/03-263r0
Subject: Host Initiated Unload reporting

1   Revision History

Revision 0: Blue Text
Initial proposal

2   Discussion

Some libraries and autoloaders support a mode of operation referred to as "sequential".
In this mode, the library does not appear as a SCSI device. When the primary host issues
a SCSI LOAD UNLOAD command to the tape drive to unload the currently mounted
tape, the library intervenes and removes the tape from the drive and moves the next
sequential tape to the drive. Currently the detection of when the replacement of the tape
needs to take place is done in various vendor unique ways and typically includes making
assumptions based on the state of the tape drive. This document proposes a standard
method for the drive to report that the host is ready for the next tape.

This proposal applies to ADC Revision 4.

2.1   ADC Changes

Table 11 VHF Data

Bit Byte	7	6	5	4	3	2	1	0
8	Rsvd	HIU	MAcc	Cmpr	WrtP	CRqst	CRqrd	DInit
9	InXtn	Rsvd	RAA	MPrsnt	Rsvd	MStd	MThrd	Dacc
10	Tape Motion Status							
11	Rsvd					RRqst	IntfC	Tafs

A value of one in the host initiated unload (HIU) field indicates that the primary host
issued a SCSI LOAD UNLOAD command with the load bit set to zero and the DTD has
successfully completed the operation. This bit shall be cleared when the log page has
been read.