

To: Membership of X3T10

From: Arlan Stone
Unisys Corporation
arlan.stone@mv.unisys.com
(714) 380-5982

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Subject: Log page and parameters for SCSI-3 SSC X3T10/95-304R0.

I am requesting that a new log page and log parameters for sequential-access devices, be added to SCSI-3 Stream Device Command Set (SSC). They will assist customer service by:

1. Allowing the client application to determine whether requested cleaning of the tape drive head is done promptly, or at all, by the end user. This information is useful when complaints about drive reliability and error rates are being fielded by customer service.
2. Allowing the client application to determine the compression ratio. This information is useful when helping the customer understand the actual, versus perceived, versus expected data compression.

Changes to Subclause 5.3.2 Log parameters

Add the following to Table 22:
Page Code: 0Ch
Description: Sequential-access device page
Subclause: 5.3.2.1

Added Subclause 5.3.2.1 Log parameters

The sequential-access device page (page code 0Ch) defines data counters associated with data bytes transferred to and from the media and to and from the initiator, and a list parameter of binary information on cleaning.

Support of this page is optional.

Table XX defines the parameter codes for the sequential-access device page. The default value of all parameters shall be zero. The bit 7 of byte 0 of the cleaning required parameter indicates that a condition requiring cleaning has been detected and a subsequent cleaning cycle has not been completed. Cleaning required shall be persistent across hard resets and power cycles. All other bits of the cleaning required parameter are reserved.

Table XX - Parameter codes for sequential-access device page

Parameter code	Description
0000h	Number of data bytes received from the initiator during WRITE command operations
0001h	Number of data bytes written to the media as a result of WRITE command operations
0002h	Number of data bytes read from the media during READ command operations
0003h	Number of data bytes sent to the initiator during READ command operations
0004h-00FFh	Reserved
0100h	Cleaning required
0101h-7FFFh	Reserved
8000h-FFFFh	Vendor-specific