TO: T10 Membership, ADI Working Group
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SUBJECT: ADI ADC Device Statistics Log Page (document T10/03-106r0)

This document proposes an ADC log page for providing statistical information about a data transfer device.

Discussion
The proposed Device Statistics log page would be used by automation to track usage characteristics about the device that are not available elsewhere. This log page would fulfill the remaining data source mapping as originally identified in T10/02-180r0.

Proposed Changes to ADC
In section 6.1.1, the following is the proposed change to Table 3:

Page Code	Description	Required	Reference
00h	Supported log pages	M	SPC-3
11h	Very High Frequency log page	M	6.1.2
12h	TapeAlert Response log page	M	6.1.3
13h	Requested Recovery log page	M	6.1.4
14h	Interface Status log page	M	6.1.5
15h	Device Statistics log page	O	6.1.5

A new section, 6.1.5, would be created as follows:

6.1.5 Device Statistics log page
The Device Statistics log page (see table n) defines data counters associated with utilization of the device. An ADC device server that implements the Device Statistics log page shall implement one or more of the defined parameters. Support of the individual parameters in the Device Statistics log page is optional.

Table n – Device Statistics log page

Bit / Byte	7	6	5	4	3	2	1	0
0	Reserved		Page Code (15h)					
1	Reserved							
2	Page Length (n-3)							
3								
	Device statistics log parameters							
4	First device statistics parameter							
n	Last device statistic parameter							

Refer to SPC-3 for a description of the Page Code and Page Length fields.

Table n+1 defines the Device Statistics log page parameter codes. Each parameter is eight bytes in length.

Table n+1 – Device statistics parameter codes

Parameter Code	Description
0000h	Total cumulative media loads
0001h	Total cumulative cleaning operations
0002h	Total cumulative power on hours
0003h	Total cumulative media motion (head) hours
0004h	Total cumulative meters of tape processed
0005h – 7FFFh	Reserved
8000h - FFFFh	Vendor specific

The device statistics log parameter format is shown in table n+2.

Table n+2 – Device statistics log parameter

Bit Byte	7	6	5	4	3	2	1	0
0	Parameter Code							
1								
2	DU(0)	DS(1)	TSD(0)	ETC(0)	TMC(0)		LBIN(0)	LP(0)
3	Parameter Length (08h)							
4	Device statistic data counter							
11								