



To: T10 Technical Committee  
 From: Kevin Marks  
 Date: May 15, 2006  
 Subject: T10/06-183r1 - ADC-2: Device Statistics log page parameter updates

### Revision History

Revision 0 (04/11/06) – Initial proposal

Revision 1 (05/15/06) – Based on feedback from the May ADI WG meeting

- Instead of adding parameter codes from SSC-3, remove Device Statistics log page from ADC-2 and just reference SSC-3.

### Related Documents

Automation/Drive Interface - Commands - 2 (ADC-2) Revision 4 ([ADC2r04](#))

[New text to be added](#)

~~Text to be deleted~~

*Editorial Text*

### Overview

Proposal T10/05-213r5 added log page 14h (Device Statistics log page) to SSC-3 from ADC and added several new parameter code values (statistics counter). This proposal removes the log page from ADC-2 and adds a reference to SSC-3 in Table 12 — Log page codes.

## Suggested Changes to ADC-2:

### 6.1 Log parameters

#### 6.1.1 Log parameters overview

This subclause defines the log pages and log parameters for ADC device servers.

The log page codes for ADC device servers are defined in table 12.

**Table 12 — Log page codes** ~~<Not Bold>~~ (part 1 of 2)

Page Code	Description	Required	Reference
...	...	...	...
12h	TapeAlert Response log page	Mandatory	6.1.3
13h	Requested Recovery log page	Mandatory	6.1.4
14h	Device Statistics log page	Optional	<del>6.1.5</del> <a href="#">SSC-3</a>

<< Remove Subclause 6.1.5 >>

~~6.1.5 Device Statistics log page~~

The Device Statistics log page (see table 28) defines data counters associated with utilization of the DT device. An ADC device server that implements the Device Statistics log page shall implement one or more of the defined parameters. Support for the individual parameters in the Device Statistics log page is optional. Parameters shall not be set to zero or changed via a LOG SELECT command.

**Table 28— Device Statistics log page**

Byte\Bit	7	6	5	4	3	2	1	0
0	Reserved		PAGE CODE (14h)					
1	Reserved							
2	(MSB)	PAGE LENGTH (n-3)						(LSB)
3								
4	Device statistics log parameters							
n								

See SPC-3 for a description PAGE CODE field and PAGE LENGTH field.

The device statistics log parameter format is shown in table 29.

**Table 29— Device statistics log parameter format**

Byte\Bit	7	6	5	4	3	2	1	0
0	(MSB)	PARAMETER CODE						(LSB)
1								
2	DU(0)	DS(1)	TSD(0)	ETC(0)	TMC(0)	LBIN(0)	LP(0)	
3	PARAMETER LENGTH (n-3)							
4	(MSB)	DEVICE STATISTICS DATA COUNTER						(LSB)
n								

The PARAMETER CODE field is defined in table 30.

**Table 30— Device Statistics log parameter codes**

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

See SPC-3 for descriptions of the DU bit, DS bit, TSD bit, ETC bit, TMC field, LBIN bit and LP bit. These bits and fields shall be set to the values shown in table 29.

The PARAMETER LENGTH field indicates the number of bytes in the DEVICE STATISTICS DATA COUNTER field that follows.

~~The DEVICE STATISTICS DATA COUNTER field is the value of the requested data counter.~~