

Single Log Page Proposal

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There are currently two lists of log pages found in ATA8-ACS. One definition is in the READ LOG EXT command; the other is in the SMART READ LOG command. This proposal defines one table that appears in the READ LOG EXT command and is referenced by WRITE LOG EXT, SMART READ LOG, and SMART WRITE LOG. The log pages defined in this table shall be common to both commands. This means that if the host places data in a device vendor specific page using SMART WRITE LOG, and then issues a READ LOG EXT to the same page, that the host receives the same data that was originally stored by SMART WRITE LOG.

Table 1 - Log address definition

Log address	Content	Feature set	R/W	Access
00h	Log directory	na	RO	GPL,SL
01h	Summary SMART error log	SMART	RO	SL
02h	Comprehensive SMART error log	SMART error logging	RO	SL
03h	Extended Comprehensive SMART error log	SMART error logging	RO	GPL
04h-05h	Reserved	na	Reserved	GPL
06h	SMART self-test log	SMART self-test	RO	SL
07h	Extended SMART self-test log	SMART self-test	RO	GPL
08h	Reserved	na	Reserved	
09h	Selective Self-test log	SMART Self-test	R/W	SL
0Ah-0Fh	Reserved	na	Reserved	
10h-17h	Reserved for Serial ATA	na	Reserved	
18h-1Fh	Reserved	na	Reserved	
20h	Streaming performance log	Streaming	RO	GPL
21h	Write stream error log	Streaming	RO	GPL
22h	Read stream error log	Streaming	RO	GPL
23h	Delayed sector log	General Purpose Logging	RO	GPL
24h-7Fh	Reserved	na	Reserved	
80h-9Fh	Host vendor specific	SMART	R/W	GPL,SL
A0h-BFh	Device vendor specific	SMART	VS	GPL,SL
C0h-EFh	Reserved	na	Reserved	
E0h-E1h	Reserved for SCT [<i>Editors Note: Need to fill in project number</i>]	na	Reserved	
E2h-FFh	Reserved	na		

Key –
RO - Log is only read by the host.
R/W - Log is read or written by the host.
VS - Log is vendor specific thus read/write ability is vendor specific.
GPL - General Purpose Logging
SL - SMART Logging

NOTE – Command Abort shall be returned if a GPL command is used to access a log page that is marked with SL only. Command Abort shall be returned if an SL command is used to access a log page that is marked with GPL only.