

# ACS-2 Issues List

Rev 8  
February 19, 2009

Line	#	Issue	Owner	Status	Date
1	1	Incorporate e08156 - Define a log address for IDENTIFY DEVICE data expansion	Stevens	Open	16-Aug-07
2	2	In 7.18.6.17 IDENTIFY PACKET DEVICE data word 62 DMADIR bit definitions are not even close to that in the table.  Carried over from e06122 issue #72	Overby	Open	3-Mar-06
3	3	Should we add a discussion on what enabled means (related to supported definition)? Should this be in IDENTIFY DEVICE or in 4.1 (Overview)?  Carried over from e06122 issue #99	Overby	Open	21-Jun-06
4	4	Incorporate e06162 - Simulated Delay Event  Carried over from e06122 issue #168 (had to correct document number from e05162 to e06162)  Possible ACS-3	Chen	Open	26-Oct-06
5	5	In DCO SET word 3-6, there is no protection for security enabled.  Resolution: Add "The device may abort DCO SET to change words 3-6 if security is enabled."  Carried over from e06122 issue #190	Hatfield	Rejected	16-Dec-08
6	6	In the power-up in standby feature set, paragraph 3 indicates that you can not exit the standby state until a SET FEATURES spin-up command is received when PUIS is enabled. This is not reflected in the state transition diagram for power management, possibly because we do not have a tendency to document error transitions.  Carried over from e06122 issue #192  See e08142 for a resolution.	Hatfield	Open	24-Apr-07
7	7	Incorporate e07159, change Host Vendor Specific to Scratch-pad. The name of the Host Vendor Specific log pages has lead to quite a bit of confusion by host vendors. They look at the name and assume they can define how these logs work. I would like to change the names as follows:  Host Vendor Specific log -> Scratch-pad logs Device Vendor Specific log -> Vendor Specific  Carried over from e06122 issue #197 Could delay to ACS-3	Stevens	Open	23-May-07

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8	8	Incorporate e07154r6, Data Set Management  Opcode = 06h IDENTIFY DEVICE data word 169 Bits 15:1 - Reserved Bit 0 - Trim function is supported DCO Set/Identify data word 21 bit 10	Stevens	Done	22-Oct-08
9	9	Incorporate e06180r10, Additional device statistics - Usage Length  Merge with log address 04 Page 03h	Stevens	Done	17-Dec-08
10	10	Incorporate e06181r12 , Additional device statistics – Errors	Stevens	Done	17-Dec-2008
11	11	Incorporate e06182r8, Additional device statistics – Free Fall  Assigned to Log Address 04h page 02h	Stevens	Done	16-Dec-08
12	12	Incorporate e06183r11, Additional device statistics – Temperature  Assigned to Log Address 04h page 05h	Stevens	Done	18-Dec-08
13	13	Incorporate e06184r7, Additional device statistics – Solid State Media / NV Cache  Assigned to Log Address 04h page 02h	Chen	Open	25-Oct-06
14	14	External Path Protection (e07162)	Stevens	Rejected	14-Sep-07
15	15	Incorporate e06174, SCT Capabilities (action codes)  Could delay to ACS-3	Wolford	Rejected	17-Feb-2009
16	16	Incorporate e06161, Reporting Device Footprint  Proposal integrated into ATA8-ACS and is automatically brought forward.	Bellamy	Rejected	17-Apr-08
17	17	Was a duplicate of issue #4			
18	18	Incorporate e07123r4, REQUEST SENSE for ATA  Assigned Resources: Opcode: 0Bh IDENTIFY DEVICE data Word 119 bit 6 - Supported Word 120 bit 6 - Enabled SET FEATURES subcommand C3h	Stevens	Done	22-Oct-08
19	19	Incorporate e07104, Security Command Update	Chen	Open	28-Nov-06
20	20	Incorporate e07134, Remove Input/Output Structures Removed from agenda	Bellamy	Rejected	17-Apr-08
21	21	Incorporate e05142, Proactive Reporting and Correcting Removed from agenda	Shu	Rejected	17-Apr-08
22	22	Incorporate e07121, Set Features Set Profile	Hatfield	Open	1-Feb-07

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23	23	Incorporate e07153, SSD Identify Could be delayed until ACS-3	Shu	Rejected	16-Dec-08
24	24	Add list of acronyms (e08128)	Stevens	Done	16-Dec-08
25	25	Add IDENTIFY DEVICE data table cross references to text	Stevens	Done	21-Jan-09
26	26	Remove ATAPI and place it in its own standard Could be delayed ACS-3	Stevens	Open	17-Apr-08
27	27	Incorporate e07189, Extended Security Could be delayed until ACS-3	Chen	Open	22-Oct-07
28	28	Incorporate e07197, Sanitize Command	Geldman	Open	21-Apr-07
29	29	Incorporate e08108r1, CFAST IDENTIFY DEVICE data Assigned IDENTIFY DEVICE data word 69 bit 15 to this proposal New word is titled: Additional Supported (Needs Work)	Stevens	Done	16-Dec-08
30	30	Incorporate e08106r10, Device Statistics overview	Stevens	Done	22-Oct-08
31	31	Incorporate e07169, SCT Zone Control Could be delayed until ACS-3	Colegrove	Open	6-Aug-07
32	32	For commands which have an error return specified as "LBA of first unrecoverable error" we do not address the following:  a) There is no statement about the condition of the sectors following the error. We should probably state somewhere that the contents of the remaining sectors for a write command are unknown.  b) There needs to be a statement somewhere that "LBA of the first unrecoverable error" refers to the first error found by the device and has nothing to do with the sequence of data retrieval or writing. The device could begin writing sectors from the end of the command and move forward to the beginning...  We probably need to add something to the subclause on errors...	Stevens	Open	17-Apr-08
33	33	Incorporate e07168r11, Transport Device Statistics Assigned to Log Address 04h page 06h	Stevens	Done	18-Dec-08
34	34	Replace the dash in range specifications with ".."	Stevens	Done	22-Oct-08
35	35	Incorporate e08140r1 - For DCO SET, does an error leave IDENTIFY DEVICE data intact	Hatfield	Agreed	19-Feb-09
36	36	Incorporate e08140 - For DCO SET, can it ignore requests for changeable fields that it can not honor	Hatfield	Open	23-Apr-08
37	37	For the GPL commands, we need to report which page failed	Stevens	Open	23-Apr-08
38	38	Incorporate e08129r2, New DMA commands	Stevens	Done	21-Jan-09

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39	39	Revisit the funny status for REQUEST SENSE- Use a status bit instead of a signature	Stevens	Open	23-Apr-08
40	40	Incorporate e08xxx, check condition for SMART status	Overby	Open	23-Apr-08
41	41	e08155 - Recommend ASC/ASCQ for all error bits	Overby	Open	23-Apr-08
42	42	Make numeric separators closer to ISO compliance  Resolution In decimal numbers, use spaces to separate groups of 3 digits and "." as the decimal point.	Martin	Agreed	18-Dec-08
43	43	Add a new status byte for HPA to report the current mode  Could be delayed to ACS-3	Colegrove	Rejected	17-Feb-2009
44	44	Incorporate e08116, report non-volatile write cache	Livaccari	Open	26-Feb-08
45	45	Incorporate e08120, extended power conditions	Hatfield	Open	10-Jun-08
46	46	Incorporate e08152r1 - Obsolete the TCQ feature set	Overby	Open	24-Jun-08
47	47	Remove the phrase "task file" from annex D.3.2 Incorporated into ACS.	Stevens	Rejected	24-Jun-08
48	48	Revisit list of alignments in E.4.3	Elloitt	Open	24-Jun-08
49	49	Incorporate e08121r1, long physical sector diagnostics	Stevens	Done	18-Dec-08
50	50	Incorporate e08122, 2 minor fixes to ACS-2	Stevens	Done	22-Oct-08
51	51	The following description is added to ATA-8 revision 6.  "7.41 SECURITY DISABLE PASSWORD If security is disabled, then: a) if the Identifier bit is set to User, then the device shall return command aborted; or b) if the Identifier bit is set to Master, then the device may compare the password supplied with the stored Master password."  But the above description is added to only SECURITY DISABLE command. We request that the same description is added to SECURITY UNLOCK and SECURITY ERASE UNIT commands too.  Can we pls add this to the comment list for ACS	Puri	Open	24-Jun-08
52	52	Incorporate e08130r1, OEM ID String	Stevens	Done	21-Oct-08
53	53	Incorporate e08126, Request for the reservation or assignment of Security Protocol value for TrustedFlash	Shternhell	Open	25-Jun-08
54	54	Incorporate e08143 - Updates from SATA 2.6. Material includes PRIO bit and IDLE IMMEDIATE UNLOAD info.	Hatfield	Open	21-Aug-08

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55	55	In the SMART ENABLE/DISABLE ATTRIBUTE AUTOSAVE description, the first sentence reads "This command enables and disables the optional attribute autosave feature of the device." This is in conflict with the statement in the Feature Set which states: "This 28-bit command is mandatory for devices that implement the SMART feature set"	Hatfield	Rejected	16-Dec-08
56	56	7.53.6.12 Self-test routine recommended polling time ---- Indicate that this section applies to all of these: - short self-test recommended polling time - extended self-test recommended polling time - conveyance test recommended polling time	Stevens	Open	21-Aug-08
57	57	Incorporate e08127r3, Time in over/Under Temperature	Stevens	Done	18-Aug-08
58	58	Incorporate e08135r3, Alternative Solid State Media Statistics  Allocated page 7 to this proposal	Hatfield	Done	17-Feb-09
59	59	Incorporate e08137r4, DRAT	Stevens	Done	18-Dec-08
60	60	The Read PIO Error (Table 134) and Read DMA Error (Table 130) as the same and can be merged.	Stevens	Done	16-Dec-08
61	61	Add "SCT Read Long" to the definition of read commands.	Stevens	Done	23-Oct-08
62	62	Incorporate e08154r0 - Do we need a description for our new ".." range operator.	Stevens	Done	21-Jan-09
63	63	Define User Data  "Data that is transferred between the application client and the device using read commands and write commands."	Stevens	Done	16-Dec-08
64	64	Reverting to power on defaults changed in ATA8-ACS and needs to be reviewed.	Colegrove	Open	16-Dec-08
65	65	Incorporate e08148 - Reservations for iVDR	Hatfield	Rejected	16-Dec-08
66	66	Incorporate e08145r6 - Ammendment for ATA8-ACS	Hatfield	Open	16-Dec-08
67	67	Incorporate e08151 - Device Alerts Log	Geldman	Open	16-Dec-08
68	68	Incorporate e08146r4 - Maximum LBA Range Support	Strong	Open	17-Feb-09
69	69	Incorporate e08153r1 - Obsolete SCT Read Long	Hatfield	Agreed	17-Feb-09
70	70	Define User Data Area  Proposal: Any area of the media where user data may be stored.  Moved to proposal e07197 (See issue #28)	Stevens	Reject	19-Feb-09
71	71	Incorporate e09104 - Statistic for reallcoation candidates	Livaccari	Open	17-Feb-09
72	72	Incorporate e08158 - Change Set Features revert to defaults behavior	Colegrove	Open	17-Feb-09
73	73	Incorporate 09105 - Obsolete 28-bit	Overby	Open	17-Feb-09

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74	74	Recover IDENTIFY DEVICE data words 224..233 from reserved for CE-ATA	Stevens	Open	17-Feb-09
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