

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

Item	Comment From	Representing	Comment	MMC WG Recommended Action	Version Changed
1	A Patterson	I-Tech	On table 25 the WRITE BUFFER command has an Op Code of 3A but everywhere else in the spec it is 3B.	Correct the error.	MMC4R03A
2	A Patterson	I-Tech	Table 94: Read (10) is listed as opcode 18h instead of 28	Correct the error.	MMC4R03A
3	A Patterson	I-Tech	Table 120: Write (10) is listed as 28h instead of 2Ah	Correct the error.	MMC4R03A
4	A Patterson	I-Tech	Table 126: Get Performance is listed as 4Ah instead of ACh	Correct the error.	MMC4R03A
5	A Patterson	I-Tech	Table 164, 173: Report Key is listed as A2h instead of A4h	Correct the error.	MMC4R03A
6	A Patterson	I-Tech	Table 213: The opcodes are not all in numerical order; 2B, 2C, 2A.	Correct the error.	MMC4R03A
7	D. Burg	Ahead	Descriptions of PREVENT/ALLOW MEDIUM REMOVAL in MMC-3 and MMC-4 suggest different behaviour. MMC-3 claims compliance with SPC-3 and describes consistency with Mt Fuji. MMC-4 has dropped claim of compliance with SPC-3. What is correct?	SFF8090 (Mt Fuji) changed the definition of the Prevent/Allow Medium Removal command. Older versions of MMC incorrectly maintained compliance with SPC since most implementations follow SFF8090. The changes in MMC-3 were not sufficient to reflect that behaviour. MMC-4 is correct, however, we recognise that some older devices will not be compliant. Specify MMC-4 as prevailing over SPC for MMC devices. Propose to SPC that MMC method is described in SPC.	MMC4R03A
8	D. Burg	Ahead	Clarify "6.26.2.3 State of Last Session", MMC-4: "The State of Last Session field is defined in Table 370. For media that is not recordable in sessions, this field shall be 11h." Proposed wording: "For media that is recordable in sessions (CD-R/RW, DDCD, DVD-R/RW), the State of Last Session field is defined in Table 370. For media that is not recordable in sessions (DVD+RW, DVD-RAM, CD-ROM, DVD-ROM/DVD-Video), this field shall be 11b (Completed)." Note that 11h should be corrected to 11b.	The sentence with the typographical error should be deleted. Specific case of DVD+RW should be listed as a note to row 11b of table 370.	MMC4R03A

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9	D. Burg	Ahead	The caption for Table 370 should be changed to "State of Last Session" to "State of Last Session for Media that is Recordable in Sessions".	Not needed due to above correction.	-
10	R. Weber	ENDL, Texas	ENDL 1 - PDF pg 67, 3.1.4 Clarify that when this standard uses ASC outside the SK/ASC/ASCQ construct the value is meant to be the ASC value that SPC-2 shows with an ASCQ of zero.	SPC seems to say: "ASC represents a general condition while ASCQ provides more detail. When ASCQ is zero, there is no additional detail." MMC only uses ASC and ASCQ as a combination.	MMC4R03A
11	R. Weber	ENDL, Texas	ENDL 2 - PDF pg 72, 3.1.78 , p 1, l 1 '...beyond that which...' [s/b] '...beyond the error correction that...'	Actually, the definition is most ambiguous. It is also redundant with the definitions in 3.1.13 C1, C2, C3. Proposed change: Replace text of definition with "L-EC is another name for C3 error correction. See 3.1.13."	MMC4R03A
12	R. Weber	ENDL, Texas	ENDL 3 - PDF pg 79, 3.4 , p 5 Extend the description of SK/ASC/ASCQ to explain how this abbreviation containing three slashes relates to the text containing only two slashes that always appears near it.	Proposed change: Add the sentences, "In this standard, the numeric SK value may be replaced by its equivalent text. The numeric values of ASC and ASCQ are typically replaced by a single text phrase. For example, when the numeric values for SK/ASC/ASCQ are 03h/11h/05, the text replacements are MEDIUM ERROR/L-EC UNCORRECTABLE ERROR"	MMC4R03A
13	R. Weber	ENDL, Texas	ENDL 4 - PDF pg 86, pg 26, 4.1.6.3 , table 2, r 2, c 2 'SK = BLANK CHECK, ASC and ASCQ are not specified in this document' [s/b] 'sense key set to BLANK CHECK and ASC/ASCQ not specified by this standard'	Correct. MMC-4 is a (proposed) standard rather than a document.	MMC4R03A
14	R. Weber	ENDL, Texas	ENDL 5 - PDF pg 86, pg 26, 4.1.6.3 , table 2, r 2, c 2 '-ASCQ should be selected for specific protection.' [s/b] 'The ASCQ shall be set as described in 4.8.4.'	We elected to point to the table in that sub-clause.	MMC4R03A
15	R. Weber	ENDL, Texas	ENDL 6 - PDF pg 86, pg 26, 4.1.6.3 , table 2, r 4, c 2 NO MEDIUM PRESENT [s/b] MEDIUM NOT PRESENT	The typographical error should be corrected.	MMC4R03A
16	R. Weber	ENDL, Texas	ENDL 7 - PDF pg 88, pg 28, 4.1.8.1, 1st p after note, l 4 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A

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17	R. Weber	ENDL, Texas	ENDL 8 - PDF pg 90, pg 30, 4.1.8.4.2 , last p, l 1&2 Replace '2/04/08 LOGICAL UNIT NOT READY, LONG WRITE IN PROGRESS' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A
18	R. Weber	ENDL, Texas	ENDL 9 - PDF pg 113, pg 53, 4.2.5 , p 2, l 2&3 '...the ASCQ value may contain audio status as shown in Table 434.' [s/b] '...the ASCQ shall contain one of the audio status values shown in Table 434.' [Table 434 lists all the allowed ASCQ values.]	Analog audio play is practically legacy behavior. We must not change mandatory behavior.	MMC4R03A
19	R. Weber	ENDL, Texas	ENDL 10 - PDF pg 147, pg 87, 4.4.6.1.1, 1st bullet which [s/b] that	Change to the proposed text.	MMC4R03A
20	R. Weber	ENDL, Texas	ENDL 11 - PDF pg 151, pg 91, 4.4.7, p 2, l 6 For consistency with the way ASC/ASCQ information is presented in the remainder of the document delete '(05h/22h/00h)'. Alternatively, add correct numeric values to the several hundred ASC/ASCQ requirements that are currently missing them.	Change to the proposed text.	MMC4R03A
21	R. Weber	ENDL, Texas	ENDL 12 - PDF pg 155, pg 95, 4.6.3.2 , bulleted list Change bulleted list to lettered list.	Change to the proposed text.	MMC4R03A
22	R. Weber	ENDL, Texas	ENDL 13 - PDF pg 156, pg 96, 4.6.3.3, bulleted lists Change bulleted list to lettered list. [twice]	Change to the proposed text.	MMC4R03A
23	R. Weber	ENDL, Texas	ENDL 14 - PDF pg 156, pg 96, 4.6.3.3, 1st p after first list, l 3 and l 6; bullets 1 & 3 in second list For consistency with the way ASC/ASCQ information is presented else where, delete '1/18/05'. Alternatively, add correct numeric values to the several hundred ASC/ASCQ requirements that currently lack them. [4 instances]	Change to the proposed text.	MMC4R03A
24	R. Weber	ENDL, Texas	ENDL 15 - PDF pg 157, pg 97, 4.6.3.3, Global in tables 51, 52, 53, and 54 Replace all instances of '1/18/05' with the spelled out SK/ASC/ASCQ notation described in the conventions subclause and used elsewhere in this standard.	Change to the proposed text.	MMC4R03A

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25	R. Weber	ENDL, Texas	ENDL 16 - PDF pg 158, pg 98, 4.6.3.3, 3rd p after table 55, l 4 and 4th p after table 55, l 1 Replace '1/18/05 RECOVERED DATA - RECOMMEND REASSIGNMENT' with the SK/ASC/ASCQ wording construction used elsewhere in this standard. [twice]	Change to the proposed text.	MMC4R03A
26	R. Weber	ENDL, Texas	ENDL 17 - PDF pg 162, pg 102, 4.6.5.1 , p 2, l 2&3 and p 3, l 4&5 Replace '1/18/05 RECOVERED DATA - RECOMMEND REASSIGNMENT' with the SK/ASC/ASCQ wording construction used elsewhere in this standard. [twice]	Change to the proposed text.	MMC4R03A
27	R. Weber	ENDL, Texas	ENDL 18 - PDF pg 162, pg 102, 4.6.5.1 , table 58, footnote 2 Replace '1/18/05' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A
28	R. Weber	ENDL, Texas	ENDL 19 - PDF pg 165, pg 105, 4.6.6.6, table 59, footnote 2 Replace '1/18/05' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A
29	R. Weber	ENDL, Texas	ENDL 20 - PDF pg 175, pg 115, 4.9.1.2 , p 1, l 1&2 NOT READY TO READY CHANGE - MEDIUM MAY HAVE CHANGED [s/b] NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED	Change to the proposed text.	MMC4R03A
30	R. Weber	ENDL, Texas	ENDL 21 - PDF pg 175, pg 115, 4.9.1.2 , p 1, l 2 For consistency with the way ASC/ASCQ information is presented else where, delete '(06h/28h/00h)'. Alternatively, add correct numeric values to the several hundred ASC/ASCQ requirements that currently lack them.	Change to the proposed text.	MMC4R03A
31	R. Weber	ENDL, Texas	ENDL 22 - PDF pg 175, pg 115, 4.9.1.2.1 , p 1, l 2&3 'NOT READY, NO REFERENCE POSITION FOUND' [s/b] 'NOT READY/NO REFERENCE POSITION FOUND'	Change to the proposed text.	MMC4R03A
32	R. Weber	ENDL, Texas	ENDL 23 - PDF pg 175, pg 115, 4.9.1.2.1 , p 1, l 2 For consistency with the way ASC/ASCQ information is presented else where, delete '(02h/06h/00h)'. Alternatively, add correct numeric values to the several hundred ASC/ASCQ requirements that currently lack them.	Change to the proposed text.	MMC4R03A

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33	R. Weber	ENDL, Texas	ENDL 24 - PDF pg 265, pg 205, 6.1, table 212, GET PERFORMANCE Ach [s/b] ACh	Correct this typographical error.	MMC4R03A
34	R. Weber	ENDL, Texas	ENDL 25 - PDF pg 265, pg 205, 6.1, table 212, SCAN Bah [s/b] BAh	Correct this typographical error.	MMC4R03A
35	R. Weber	ENDL, Texas	ENDL 26 - PDF pg 265, pg 205, 6.1, table 212, SEND CUE SHEET Reference column should not contain 0.	Correct this reference error.	MMC4R03A
36	R. Weber	ENDL, Texas	ENDL 27 - PDF pg 265, pg 205, 6.1, table 212, READ CD Beh [s/b] BEh	Correct this typographical error.	MMC4R03A
37	R. Weber	ENDL, Texas	ENDL 28 - PDF pg 277, pg 217, 6.4.3 , p 1, l 3&4 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
38	R. Weber	ENDL, Texas	ENDL 29 - PDF pg 280, pg 220, 6.5.2.1 Bulleted list should be lettered list.	Change to the proposed text.	MMC4R03A
39	R. Weber	ENDL, Texas	ENDL 30 - PDF pg 280, pg 220, 6.5.2.1 CORRUPTED MEDIUM FORMAT [s/b] MEDIUM FORMAT CORRUPTED	Change to the proposed text.	MMC4R03A
40	R. Weber	ENDL, Texas	ENDL 31 - PDF pg 285, pg 225, 6.5.2.3.11 and 6.5.2.3.12, Global in these 2 subclauses ASC/ASCQ INVALID FIELD IN PARAMETER BLOCK is not defined in SPC-2 or SPC-3. Perhaps the intended ASC/ASCQ is INVALID FIELD IN PARAMETER LIST. [I counted 6 instances of the problem, but your mileage may vary.]	Change to the proposed text.	MMC4R03A
41	R. Weber	ENDL, Texas	ENDL 32 - PDF pg 285, pg 225, 6.5.2.3.11 and 6.5.2.3.12, Global in these 2 subclauses 0xFFFFFFFF [s/b] FFFFFFFFh [I count 5 instances, your mileage may vary]	Change to the proposed text.	MMC4R03A
42	R. Weber	ENDL, Texas	ENDL 33 - PDF pg 285, pg 225, 6.5.2.3.11 and 6.5.2.3.12, Global in these 2 subclauses 0xFFFF0000 [s/b] FFFF0000h [I count 2 instances, your mileage may vary]	Change to the proposed text.	MMC4R03A
43	R. Weber	ENDL, Texas	ENDL 34 - Technical PDF pg 287, pg 227, 6.5.3.1, table 237 Table 237 replicates requirements defined in SPC-2 and SPC-3 with the possibility that one of those standards might conflict with MMC-4. The table should be removed and reference made to SPC-2 or SPC-3 instead.	MMC-WG: Keep table and reference SPC.	

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44	R. Weber	ENDL, Texas	ENDL 35 - PDF pg 288, pg 228, 6.5.3.2.2 , p 1, l 2 BG [s/b] background	It is preferred to put BG in the list of abbreviations.	MMC4R03A
45	R. Weber	ENDL, Texas	ENDL 36 - PDF pg 288, pg 228, 6.5.3.2.2 , p 1, l 6&7 Replace '... set sense data to NOT READY, LOGICAL UNIT NOT READY, FORMAT IN PROGRESS (02/04/04)' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A
46	R. Weber	ENDL, Texas	ENDL 37 - PDF pg 288, pg 228, 6.5.3.2.2 , p 2, l 2 Replace '... sense data shall be set to NO SENSE, FORMAT IN PROGRESS (00/04/04)' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A
47	R. Weber	ENDL, Texas	ENDL 38 - PDF pg 308, pg 248, 6.8.1.4, last p, l 3 'INVALID FIELD IN CDB' [s/b] 'ILLEGAL REQUEST/INVALID FIELD IN CDB'	Change to the proposed text.	MMC4R03A
48	R. Weber	ENDL, Texas	ENDL 39 - PDF pg 314, pg 254, 6.8.2.5, p 2, l 4 For consistency with the way ASC/ASCQ information is presented in the remainder of the document delete '5/24/00'. Alternatively, add correct numeric values to the several hundred ASC/ASCQ requirements that are currently missing them.	Change to the proposed text.	MMC4R03A
49	R. Weber	ENDL, Texas	ENDL 40 - PDF pg 314, pg 254, 6.8.2.5, p 2, l 4 'INVALID FIELD IN CDB' [s/b] 'ILLEGAL REQUEST/INVALID FIELD IN CDB'	Change to the proposed text.	MMC4R03A
50	R. Weber	ENDL, Texas	ENDL 41 - PDF pg 315, pg 255, 6.8.2.6 , p 2, l 4 For consistency with the way ASC/ASCQ information is presented in the remainder of the document delete '5/24/00'. Alternatively, add correct numeric values to the several hundred ASC/ASCQ requirements that are currently missing them.	Change to the proposed text.	MMC4R03A
51	R. Weber	ENDL, Texas	ENDL 42 - PDF pg 315, pg 255, 6.8.2.6 , p 2, l 4 'INVALID FIELD IN CDB' [s/b] 'ILLEGAL REQUEST/INVALID FIELD IN CDB'	Change to the proposed text.	MMC4R03A
52	R. Weber	ENDL, Texas	ENDL 43 - PDF pg 315, pg 255, 6.8.2.6 , 5th p after table 290, l 2 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A

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53	R. Weber	ENDL, Texas	ENDL 44 - PDF pg 316, pg 256, 6.8.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
54	R. Weber	ENDL, Texas	ENDL 45 - Technical PDF pg 317, pg 257, 6.9.1 Defining the INQUIRY CDB and parameter data formats in this standard creates potential conflicts with SPC-2 and SPC-3, where SCSI defines the INQUIRY command. For example, the current INQUIRY CDB format allows 2 bytes for allocation length so that large VPD pages can be transferred, but this standard ignores that. This standard should say something like: 'The CDB and parameter data formats for the INQUIRY command are defined in SPC-2. The following exceptions apply to the usage of the INQUIRY command by this standard: ..'	MMC-WG: Change current CDB to match SPC-2. Refer to SPC-2 from INQUIRY command description. Note that the description in the MMC contains differences and note the differences.	MMC4R03C
55	R. Weber	ENDL, Texas	ENDL 46 - PDF pg 321, pg 261, 6.9.4 , p 1, l 1 which [s/b] that	Change to the proposed text.	MMC4R03A
56	R. Weber	ENDL, Texas	ENDL 47 - PDF pg 323, pg 263, 6.10.4 , p 1, l 1 which [s/b] that	Change to the proposed text.	MMC4R03A
57	R. Weber	ENDL, Texas	ENDL 48 - PDF pg 326, pg 266, 6.11.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
58	R. Weber	ENDL, Texas	ENDL 49 - PDF pg 329, pg 269, 6.12.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
59	R. Weber	ENDL, Texas	ENDL 50 - PDF pg 332, pg 272, 6.13.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
60	R. Weber	ENDL, Texas	ENDL 51 - PDF pg 334, pg 274, 6.14.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
61	R. Weber	ENDL, Texas	ENDL 52 - PDF pg 336, pg 276, 6.15.2 , top of pg What does Table F." have to do with the commands that are to be executed without disturbing PLAY or SCAN?	Automatic formatting error. Change to the proposed text.	MMC4R03A
62	R. Weber	ENDL, Texas	ENDL 53 - PDF pg 336, pg 276, 6.15.3 , p 1, l 4 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A

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63	R. Weber	ENDL, Texas	ENDL 54 - PDF pg 337, pg 277, 6.16.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
64	R. Weber	ENDL, Texas	ENDL 55 - PDF pg 340, pg 280, 6.17.3 , p 1, l 4 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
65	R. Weber	ENDL, Texas	ENDL 56 - PDF pg 342, pg 282, 6.18.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
66	R. Weber	ENDL, Texas	ENDL 57 - PDF pg 345, pg 285, 6.19.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
67	R. Weber	ENDL, Texas	ENDL 58 - PDF pg 347, pg 287, 6.20.2, numbered list First number in list should be 1 not 5	Change to the proposed text.	MMC4R03A
68	R. Weber	ENDL, Texas	ENDL 59 - PDF pg 347, pg 287, 6.20.2, bulleted list Change bulleted list to lettered list.	Change to the proposed text.	MMC4R03A
69	R. Weber	ENDL, Texas	ENDL 60 - PDF pg 347, pg 287, 6.20.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
70	R. Weber	ENDL, Texas	ENDL 61 - PDF pg 352, pg 292, 6.21.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
71	R. Weber	ENDL, Texas	ENDL 62 - PDF pg 355, pg 295, 6.22.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
72	R. Weber	ENDL, Texas	ENDL 63 - PDF pg 357, pg 297, 6.23.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
73	R. Weber	ENDL, Texas	ENDL 64 - PDF pg 366, pg 306, 6.24.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
74	R. Weber	ENDL, Texas	ENDL 65 - PDF pg 368, pg 308, 6.25.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
75	R. Weber	ENDL, Texas	ENDL 66 - PDF pg 374, pg 314, 6.26.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A

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76	R. Weber	ENDL, Texas	ENDL 67 - PDF pg 387, pg 327, 6.27.2.7, 2nd p after table 394, l 1 which [s/b] that	Change to the proposed text.	MMC4R03A
77	R. Weber	ENDL, Texas	ENDL 68 - PDF pg 388, pg 328, 6.27.2.8 , 3rd p after table 395, l 1 which [s/b] that	Change to the proposed text.	MMC4R03A
78	R. Weber	ENDL, Texas	ENDL 69 - PDF pg 392, pg 332, 6.27.2.11 , 1st p after table 399, l 2 which [s/b] that	Change to the proposed text.	MMC4R03A
79	R. Weber	ENDL, Texas	ENDL 70 - PDF pg 407, pg 347, 6.27.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
80	R. Weber	ENDL, Texas	ENDL 71 - PDF pg 412, pg 352, 6.28.2.3 , table 427, format type 13h which [s/b] that	Change to the proposed text.	MMC4R03A
81	R. Weber	ENDL, Texas	ENDL 72 - PDF pg 413, pg 353, 6.28.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
82	R. Weber	ENDL, Texas	ENDL 73 - PDF pg 414, pg 354, 6.29.1, table 430, byte 6 Track Number (Hex) [s/b] Track Number [All binary values in CDBs are in hexadecimal.]	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "(hex)" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "(Hex)" from the table and add the clarification to text that describes the field.	MMC4R03A
83	R. Weber	ENDL, Texas	ENDL 74 - PDF pg 420, pg 360, 6.29.3 , 1st p on pg, l 2 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Change to the proposed text.	MMC4R03A
84	R. Weber	ENDL, Texas	ENDL 75 - PDF pg 422, pg 362, 6.30.2, table 445, bytes 2 & 3 Remove '(Hex)'. All values in data are in hexadecimal, one way or another.	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "(hex)" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "(Hex)" from the table and add the clarification to text that describes the field.	MMC4R03A

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85	R. Weber	ENDL, Texas	ENDL 76 - PDF pg 423, pg 363, 6.30.2.1, table 446, global in table Remove '(Hex)' from three field definitions. All bytes in data are in hexadecimal, one way or another.	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "(hex)" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "(Hex)" from the table and add the clarification to text that describes the field.	MMC4R03A
86	R. Weber	ENDL, Texas	ENDL 77 - PDF pg 426, pg 366, 6.30.2.2 , table 450, global in table Remove '(Hex)' from three field definitions. All bytes in data are in hexadecimal, one way or another.	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "(hex)" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "(Hex)" from the table and add the clarification to text that describes the field.	MMC4R03A
87	R. Weber	ENDL, Texas	ENDL 78 - PDF pg 428, pg 368, 6.30.2.3 , table 452, global in table Remove '(Hex)' from three field definitions. All bytes in data are in hexadecimal, one way or another.	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "(hex)" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "(Hex)" from the table and add the clarification to text that describes the field.	MMC4R03A
88	R. Weber	ENDL, Texas	ENDL 79 - PDF pg 436, pg 376, 6.30.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
89	R. Weber	ENDL, Texas	ENDL 80 - PDF pg 447, pg 387, 6.31.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
90	R. Weber	ENDL, Texas	ENDL 81 - PDF pg 447, pg 387, 6.31.4, p 1, l 1 which [s/b] that	Correct the error.	MMC4R03A
91	R. Weber	ENDL, Texas	ENDL 82 - PDF pg 449, pg 389, 6.32.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A

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92	R. Weber	ENDL, Texas	ENDL 83 - PDF pg 457, pg 397, 6.33.3 , p 1, 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
93	R. Weber	ENDL, Texas	ENDL 84 - Technical PDF pg 458, pg 398, 6.34 The REQUEST SENSE command should not be defined in this standard because doing so may conflict with definitions provided by SPC-2 or SPC-3.	MMC-WG: Refer to SPC-2 from REQUEST SENSE command description. Note that the description in the MMC contains differences and note the differences.	MMC4R03A
94	R. Weber	ENDL, Texas	ENDL 85 - PDF pg 467, pg 407, 6.36.3 , p 1, 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
95	R. Weber	ENDL, Texas	ENDL 86 - PDF pg 468, pg 408, 6.37.3, p 1, 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
96	R. Weber	ENDL, Texas	ENDL 87 - PDF pg 473, pg 413, 6.38.2.5, p 1, 1 Remove 'expressed in hexadecimal'. All values are in hexadecimal. Exceptions should be identified, not the normal case.	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "expressed in hexadecimal" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "expressed in hexadecimal". Add a statement in the general description of the cue sheet that clarifies that no field shall be represented in BCD.	MMC4R03A
97	R. Weber	ENDL, Texas	ENDL 88 - PDF pg 473, pg 413, 6.38.2.6, p 1, 1 The following is not a sentence: 'The index number expressed in hexadecimal.' Replace it with a useful description of the index field that does not mention hexadecimal.	When the media is CD or DDCD, many format values in sub-channel and main channel are represented in BCD. The "expressed in hexadecimal" note was to clarify that the SCSI structure shall not contain BCD values. Editor's proposal: Remove the "expressed in hexadecimal". Add a statement in the general description of the cue sheet that clarifies that no field shall be represented in BCD.	MMC4R03A
98	R. Weber	ENDL, Texas	ENDL 89 - PDF pg 478, pg 418, 6.38.3 , p 1, 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A

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99	R. Weber	ENDL, Texas	ENDL 90 - PDF pg 486, pg 426, 6.39.6 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
100	R. Weber	ENDL, Texas	ENDL 91 - PDF pg 490, pg 430, 6.40.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
101	R. Weber	ENDL, Texas	ENDL 92 - PDF pg 492, pg 432, 6.41.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
102	R. Weber	ENDL, Texas	ENDL 93 - PDF pg 494, pg 434, 6.42.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
103	R. Weber	ENDL, Texas	ENDL 94 - PDF pg 496, pg 436, 6.43.3 , p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
104	R. Weber	ENDL, Texas	ENDL 95 - PDF pg 500, pg 440, 6.44.2.2, 3rd p after table 568, l 3 Replace '5/26/00 INVALID FIELD IN PARAMETER LIST' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Change to the proposed text.	MMC4R03A
105	R. Weber	ENDL, Texas	ENDL 96 - PDF pg 500, pg 440, 6.44.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
106	R. Weber	ENDL, Texas	ENDL 97 - PDF pg 502, pg 442, 6.45.2, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
107	R. Weber	ENDL, Texas	ENDL 98 - PDF pg 504, pg 444, 6.46.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
108	R. Weber	ENDL, Texas	ENDL 99 - Technical PDF pg 507, pg 447, 6.48 The TEST UNIT READY command should not be defined in this standard because doing so may conflict with the definitions provided by SPC-2 or SPC-3.	MMC-WG: Refer to SPC-2 from TEST UNIT READY command description. Note that the description in the MMC contains differences and note the differences.	MMC4R03C
109	R. Weber	ENDL, Texas	ENDL 100 - PDF pg 512, pg 452, 6.50.2.2, table 589 In the last two rows there are some invalid constructs (i.e., division by zero) in the form of 90/00/00 and the like. Find a way to clarify what is really meant.	The slashes should be colons.	MMC4R03A

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110	R. Weber	ENDL, Texas	ENDL 101 - PDF pg 513, pg 453, 6.50.2.2, 3rd p after numbered list, l 4 Replace '1/18/05 RECOVERED DATA RECOMMEND REASSIGNMENT' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
111	R. Weber	ENDL, Texas	ENDL 102 - PDF pg 513, pg 453, 6.50.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
112	R. Weber	ENDL, Texas	ENDL 103 - PDF pg 516, pg 456, 6.50.3, top of pg, p 1, l 6&7 Do not allow a line break in 2 048	Correct the error.	MMC4R03A
113	R. Weber	ENDL, Texas	ENDL 104 - PDF pg 516, pg 456, 6.51.2, p 2, l 1 which [s/b] that	Correct the error.	MMC4R03A
114	R. Weber	ENDL, Texas	ENDL 105 - PDF pg 516, pg 456, 6.51.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
115	R. Weber	ENDL, Texas	ENDL 106 - PDF pg 519, pg 459, 6.52.2, 2nd p on pg, l 2 which [s/b] that	Correct the error.	MMC4R03A
116	R. Weber	ENDL, Texas	ENDL 107 - PDF pg 522, pg 462, 6.53.2.6, 2nd p on pg, l 3 Replace '5/2C/00 COMMAND SEQUENCE ERROR' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
117	R. Weber	ENDL, Texas	ENDL 108 - PDF pg 522, pg 462, 6.53.2.7, p 1, l 5 Replace '5/2C/00 COMMAND SEQUENCE ERROR' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
118	R. Weber	ENDL, Texas	ENDL 109 - PDF pg 522, pg 462, 6.53.2.7, p 5, l 5 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
119	R. Weber	ENDL, Texas	ENDL 110 - PDF pg 522, pg 462, 6.53.2.7, p 6, l 4 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
120	R. Weber	ENDL, Texas	ENDL 111 - PDF pg 522, pg 462, 6.53.2.7, p 7, l 6&7 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A

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121	R. Weber	ENDL, Texas	ENDL 112 - PDF pg 523, pg 463, 6.53.2.8, 1st p on pg, l 1 Replace '5/2C/00 COMMAND SEQUENCE ERROR' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
122	R. Weber	ENDL, Texas	ENDL 113 - PDF pg 523, pg 463, 6.53.2.8, 4th p on pg, l 7&8 Replace '... set the additional sense code to MICROCODE HAS BEEN CHANGED' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
123	R. Weber	ENDL, Texas	ENDL 114 - PDF pg 523, pg 463, 6.53.2.8, 5th p on pg, l 8 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
124	R. Weber	ENDL, Texas	ENDL 115 - PDF pg 523, pg 463, 6.53.2.8, 6th p on pg, l 3 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
125	R. Weber	ENDL, Texas	ENDL 116 - PDF pg 523, pg 463, 6.53.2.8, 7th p on pg, l 6&7 Replace '5/24/00 INVALID FIELD IN CDB' with the SK/ASC/ASCQ wording construction used elsewhere in this standard.	Correct the error.	MMC4R03A
126	R. Weber	ENDL, Texas	ENDL 117 - PDF pg 523, pg 463, 6.53.3, p 1, l 3 INSUFFICIENT TIME FOR EXECUTION [s/b] INSUFFICIENT TIME FOR OPERATION	Correct the error.	MMC4R03A
127	R. Weber	ENDL, Texas	ENDL 118 - PDF pg 523, pg 463, 6.53.4, p 1, l 1 which [s/b] that	Correct the error.	MMC4R03A
128	R. Weber	ENDL, Texas	ENDL 119 - PDF pg 532, pg 472, 7.2.4.9, table 607, codes 00h, 10h which [s/b] that [twice]	Correct the error.	MMC4R03A
129	R. Weber	ENDL, Texas	ENDL 120 - PDF pg 533, pg 473, 7.2.6.1.1, last p in subclause, l 1 '...block which could...' [s/b] '...block that could...'	Correct the error.	MMC4R03A
130	R. Weber	ENDL, Texas	ENDL 121 - PDF pg 534, pg 474, 7.3.4, p 4 l 1 which [s/b] that	Correct the error.	MMC4R03A
131	R. Weber	ENDL, Texas	ENDL 122 - PDF pg 536, pg 476, 7.4.3, table 612, byte 1 Does '32h/36h' mean 32h divided by 36h? If not, '32h or 36h' would be clearer.	Correct the error.	MMC4R03A

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132	R. Weber	ENDL, Texas	ENDL 123 - PDF pg 557, pg 497, C.1.7, p 1, l 1 which [s/b] that	Correct the error.	MMC4R03A
133	R. Weber	ENDL, Texas	ENDL 124 - PDF pg 557, pg 497, C.1.9, p 1, l 3 which [s/b] that	Correct the error.	MMC4R03A
134	R. Weber	ENDL, Texas	ENDL 125 - PDF pg 559, pg 499, C.2.2 , 1st l on pg which [s/b] that	Correct the error.	MMC4R03A
135	R. Weber	ENDL, Texas	ENDL 126 - PDF pg 559, pg 499, C.3.1 , p 1, l 3 which [s/b] that	Correct the error.	MMC4R03A
136	R. Weber	ENDL, Texas	ENDL 127 - PDF pg 560, pg 500, C.3.2 , p 1, l 3 which [s/b] that	Correct the error.	MMC4R03A
137	R. Weber	ENDL, Texas	ENDL 128 - PDF pg 564, pg 504, D.2.1, p 1, l 2 which [s/b] that	Correct the error.	MMC4R03A
138	R. Weber	ENDL, Texas	ENDL 129 - PDF pg 565, pg 505, D.2.6, 2nd bullet which [s/b] that	Correct the error.	MMC4R03A
139	R. Weber	ENDL, Texas	ENDL 130 - PDF pg 566, pg 506, D.2.9, p 1, l 1 which [s/b] that	Correct the error.	MMC4R03A
140	R. Weber	ENDL, Texas	ENDL 131 - PDF pg 573, pg 513, D.5.1, p 1, l 1 which [s/b] that	Correct the error.	MMC4R03A
141	R. Weber	ENDL, Texas	ENDL 132 - PDF pg 573, pg 513, D.5.3, p 1, l 3&4 'The Initiator ignores any data received beyond that which is relevant.' [s/b] 'The initiator ignores any date beyond the number of bytes specified by the dCSWDataResidue field.'	Accept the proposed wording.	MMC4R03A
142	R. Weber	ENDL, Texas	ENDL 133 - PDF pg 587, pg 527, E.3.3 , table E.21, bytes 2&3 Either define the meaning of the small square before 'bytes/sec' in the conventions subclause or remove it from this table.	Correct the formatting error.	MMC4R03A
143	R. Weber	ENDL, Texas	ENDL 134 - Technical PDF pg 588, pg 528, F.3 Add the following paragraph to this subclause: 'The ASC and ASCQ values in this subclause duplicate information found in SPC-2. In the event there is a conflict between the ASC/ASCQ values in this standard and the ASC/ASCQ values in SPC-3, the values in SPC-3 shall prevail.'	Almost. The proposed new wording is: "The ASC and ASCQ values in this subclause duplicate information found in SPC-2. In the event there is a conflict between the ASC/ASCQ values in this standard and the ASC/ASCQ values in SPC-2, the values in this standard shall prevail."	MMC4R03A

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144	R. Weber	ENDL, Texas	ENDL 135 - Technical PDF pg 590, pg 530, F.3, table F.3 CANNOT WRITE MEDIUM - UNSUPPORTED MEDIUM VERSION is not defined in SPC-2 or SPC-3. Therefore, usage of this ASC/ASCQ is not coordinated with other SCSI standards.	Note this situation to the editor of SPC. MMC editor should submit all new error codes in MMC-4 to SPC-3.	-
145	R. Weber	ENDL, Texas	ENDL 136 - Technical PDF pg 594, pg 534, F.3, table F.7 MEDIUM NOT FORMATTED is not defined in SPC-2 or SPC-3. Therefore, usage of this ASC/ASCQ is not coordinated with other SCSI standards.	Note this situation to the editor of SPC. MMC editor should submit all new error codes in MMC-4 to SPC-3	-
146	R. Weber	ENDL, Texas	ENDL 137 - Technical PDF pg 596, pg 536, F.3, table F.9 MMC-4 Does not support Persistent Reservations and therefore should not be using INVALID RELEASE OF ACTIVE PERSISTENT RESERVATION, a Persistent Reservations ASC/ASCQ.	Remove the case.	MMC4R03A
147	R. Weber	ENDL, Texas	ENDL 138 - PDF pg 625, pg 565, J.1.4 , 3rd bullet after table J.10 which [s/b] that	Correct the error.	MMC4R03A
148	R. Weber	ENDL, Texas	ENDL 139 - PDF pg 626, pg 566, J.1.4.1.2, p 1, l 2 which [s/b] that	Correct the error.	MMC4R03A
149	R. Weber	ENDL, Texas	ENDL 140 - PDF pg 627, pg 567, J.1.4.3.5 Heading 7.9.9.1.1 should not appear between J.1.4.3.5 and J.1.4.4.	Correct the formatting error.	MMC4R03A
150	R. Weber	ENDL, Texas	ENDL 141 - PDF pg 627, pg 567, J.1.4.3.5, Misplaced heading 7.9.9.1.1 which [s/b] that	Correct the formatting error.	MMC4R03A
151	R. Weber	ENDL, Texas	ENDL 142 - PDF pg 630, pg 570, J.2.1 , table j.11, r 15, c 4 Does '251120h/221120h' mean 251120h divided by 221120h? If not, maybe '251120h through 221120h' would be clearer.	Correct the error.	MMC4R03A
152	R. Weber	ENDL, Texas	ENDL 143 - PDF pg 630, pg 570, J.2.1 , table j.11, r 15, c 5 Does '61 440 / 258 048' mean '61 440 divided by 258 048'? If not, maybe '61 440 through 258 048' would be clearer.	Correct the error.	MMC4R03A
153	R. Weber	ENDL, Texas	ENDL 144 - PDF pg 631, pg 571, J.2.3.1.3, heading text which [s/b] that	Correct the error.	MMC4R03A
154	R. Elliot	HPQ	HPQ #1 - PDF Page 17 ANSI cover page Add space in "InformationTechnology"	Correct the formatting error.	MMC4R03A
155	R. Elliot	HPQ	HPQ #2 - PDF Page xxi Table of contents Fix row after D.3 that contains garbage	Correct the formatting error.	MMC4R03A

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156	R. Elliot	HPQ	HPQ #3 - PDF Page 1 1 Scope Change "Device Type 5 devices" to "devices with a peripheral device type set to 5"	OK	MMC4R03A
157	R. Elliot	HPQ	HPQ #4 - PDF Page 1 1 Scope It's fair to redefine commands that SBC-2 also uses, since opcode definitions are device-type specific. Tape drives and disk drives, for example, both have READs which are very different. It is a very bad idea to redefine SPC-3 commands, though. It leads to inconsistencies, which should not be tolerated in simple commands like INQUIRY. A reader of MMC-4 should always have SPC-3 and SAM-3 on hand. At most, you could create a "profile" for those commands listing which features a typical MMC device implements. Point to SPC-3 for the meaning of each identified feature.	MMC-WG: MMC simply profiles special behavior required of MMC devices with respect to these commands. The wording has been adjusted.	MMC4R03A
158	R. Elliot	HPQ	HPQ #5 - PDF Page 3 2.1 Normative references Fix "Table F.~ Table F.~ Table F.~ "	Correct the formatting error.	MMC4R03A
159	R. Elliot	HPQ	HPQ #6 - PDF Page 3 2.1.1 Approved references "120 mm 4.7GB and 80 mm 1.46 GB DVD ReWritable Disc (DVD-RAM)" should be "120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD Rewritable Disk (DVD-RAM)"	Correct the formatting error.	MMC4R03A
160	R. Elliot	HPQ	HPQ #7 - PDF Page 3 2.1.1 Approved references "120 mm 4.7GB and 80 mm 1.46 GB DVD ReWritable Disc (DVD+RW)" should be "120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD Rewritable Disk (DVD-RAM)"	Correct the formatting error.	MMC4R03A
161	R. Elliot	HPQ	HPQ #8 - PDF Page 3 2.1.1 Approved references "120 mm 4.7GB and 80 mm 1.46 GB DVD ReWritable Disc (DVD-RW)" should be "80 mm (1,46 Gbytes per side) and 120 mm (4,70 Gbytes per side) DVD Re-recordable Disk (DVD-RW)"	Correct the formatting error.	MMC4R03A
162	R. Elliot	HPQ	HPQ #9 - PDF Page 3 2.1.1 Approved references "ANSI/ISO/IEC 16449 80mm DVD Read-Only-Media" should be "ISO/IEC 16449:2002, Information technology - 80 mm DVD - Read-only disk" (maybe without the Information Technology part)	Add the detail.	MMC4R03A

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163	R. Elliot	HPQ	HPQ #10 - PDF Page 3 2.1.1 Approved references "120mm DVD Read-Only-Media" should be "ISO/IEC 16448:2002: Information technology -- 120 mm DVD -- Read-only disk" (maybe without the Information Technology part)	Add the detail.	MMC4R03A
164	R. Elliot	HPQ	HPQ #11 - PDF Page 3 2.1.1 Approved references "ISO/IEC 16824 120 mm DVD ReWritable Disc" should be "ISO/IEC 16824:1999 Information technology -- 120 mm DVD rewritable disk " (maybe without the Information Technology part)	Add the detail.	MMC4R03A
165	R. Elliot	HPQ	HPQ #12 - PDF Page 3 2.1.1 Approved References ANSI/ISO/IEC 10149 should be "ISO/IEC 10149:1995"	Add the detail.	MMC4R03A
166	R. Elliot	HPQ	HPQ #13 - PDF Page 3 2.1.1 Approved References ISO/IEC 3901 should be ISO 3901:2001	Add the detail.	MMC4R03A
167	R. Elliot	HPQ	HPQ #14 - PDF Page 3 2.1.1 Approved References If needed, point to SPI-5 not SPI-3	Correct the reference.	MMC4R03A
168	R. Elliot	HPQ	HPQ #15 - PDF Page 4 2.2 Other References add web site www.dvdforum.org and other contact info for DVD Forum.	Correct the reference.	MMC4R03A
169	R. Elliot	HPQ	HPQ #16 - PDF Page 4 2.2 Other References Any contact information for obtaining these Philips specs?	A URL shall be provided.	MMC4R03A
170	R. Elliot	HPQ	HPQ #17 - PDF Page 4 2.1.2 References under development The ATA/ATAPI-7 reference covers Serial ATA. No need to reference "T13/e03104r0 Serial ATA: High Speed Serialized AT Attachment"	When originally included, this was correct. The newer reference is more correct.	MMC4R03A
171	R. Elliot	HPQ	HPQ #18 - PDF Page 4 2.2 Other references Fix "Memory ~bytes~n Architecture"	Correct the formatting error.	MMC4R03A
172	R. Elliot	HPQ	HPQ #19 - PDF Page 4 2.2 Other References Add the book names and version numbers for all of these: DVD-ROM, DVD-Video, DVD-Audio DVD-R, DVD-R for General, DVD-R for Authoring DVD-RAM (2.6G), DVD-RAM (4.7G) DVD-RW DVD-VR	Version number is not necessary.	MMC4R03A
173	R. Elliot	HPQ	HPQ #20 - PDF Page 5 2.2 Other references If it's an SFF document, sffcommittee.org is the appropriate source. Identify it by name INF-8090 Information Specification for ATAPI DVD Devices Rev 5.5 June 5, 2003	The URL shall be provided.	MMC4R03A

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174	R. Elliot	HPQ	HPQ #21 - PDF Page 5 2.2 Other References T10/00-361R2 does not exist on the T10 web site. 00-361r0 is the only document with that number posted, called "Mount Fuji Version 5, Draft 0.9" (see other comment that this should point to sffcommittee.org anyway)	The correct URL shall be provided. The version needs to be corrected.	MMC4R03A
175	R. Elliot	HPQ	HPQ #22 - PDF Page 5 2.2 Other references www.osta.org has a Revision 2.50 posted. Is it necessary to list any but the most recent version?	This is a difficult situation. OSTA has created versions that are used in different applications. It is best to reference those that are important. This should be described as a note to the references.	MMC4R03A
176	R. Elliot	HPQ	HPQ #23 - PDF Page 5 2.2 Other References add Revision 1.0 September 31, 1999	Once it is known which document matches the description, it should be changed.	MMC4R03B
177	R. Elliot	HPQ	HPQ #24 - PDF Page 5 2.2 Other References 2000, should not end with a ,	Once it is known which document matches the description, it should be changed.	MMC4R03B
178	R. Elliot	HPQ	HPQ #25 - PDF Page 5 2.2 Other references Add web site http://www.dvdrw.com/ for the DVD+RW Alliance and other contact information	The URL shall be provided.	MMC4R03A
179	R. Elliot	HPQ	HPQ #26 - PDF Page 7 3.1.6 ATA Point to ATA/ATAPI-7.	Correct the reference.	MMC4R03A
180	R. Elliot	HPQ	HPQ #27 - PDF Page 7 3.1.7 ATAPI Point to ATA/ATAPI-7	Correct the reference.	MMC4R03A
181	R. Elliot	HPQ	HPQ #28 - PDF Page 12 3.1.79 Logical Block Delete blank line (or correct formatting) after this row.	Correct the reference.	MMC4R03A
182	R. Elliot	HPQ	HPQ #29 - PDF Page 15 3.1.119 Sector Change "IEC/ISO 10149" to "ISO/IEC 10149"	Correct the reference.	MMC4R03A
183	R. Elliot	HPQ	HPQ #30 - PDF Page 16 3.1.137 Yellow book Delete "3.1.137 Yellow book: ANSI/ISO/IEC 10149, Information Technology-Data Interchange on Read-only 120 mm Optical Data Discs (CD-ROM). "The references section documents the Yellow book as being a Philips spec. Is it the Philips spec or the ISO/IEC version? If the ISO/IEC, change "ANSI/ISO/IEC 10149" to "ISO/IEC 10149" and move the Yellow book acronym in 2.2. However, given that "Red book" and "Green book" are not defined, there seems little need to define Yellow here. Just delete this definition.	The preferred solution is different. First, note the associated public standards associated with red and yellow. Specify that that the public standard is preferred and should be referenced whenever red or yellow are used. Orange must clearly identified according to the Philips specifications. There are no references to Green Book within the standard.	MMC4R03A

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184	R. Elliot	HPQ	HPQ #31 - PDF Page 17 3.2 Abbreviations Add DVD-R/-RW a DVD-R, a DVD-RW, or both	Add the abbreviations.	MMC4R03A
185	R. Elliot	HPQ	HPQ #32 - PDF Page 17 3.2 Abbreviations Change media0 to media)	Correct the typographical error.	MMC4R03A
186	R. Elliot	HPQ	HPQ #33 - PDF Page 17 3.2 Abbreviations Add: DVD+R/+RW a DVD+R, a DVD+RW, or both	HPQ #31 duplication.	MMC4R03A
187	R. Elliot	HPQ	HPQ #34 - PDF Page 18 3.3.2 legacy "Legacy methods shall appear in the main body of this or subsequent standards. Legacy methods shall be documented in an informative annex of this or subsequent standards until deemed obsolete. " seem to contradict each other. Are legacy methods in the main body or in informative annexes? Should the first sentence be a "shall not"?	We invented Legacy in MMC-4. The term "obsolete" has become a term associated with fear among some software vendors. Legacy permits a staging to "obsolete". A better definition is needed.	MMC4R03A
188	R. Elliot	HPQ	HPQ #35 - PDF Page 18 3.3.2 legacy "shall"s are not normally placed on standards editors. Just say "methods appear" and "methods are documented in"	This suggestion is in line with the intent of legacy. We should make this change.	MMC4R03A
189	R. Elliot	HPQ	HPQ #36 - PDF Page 19 3.4 Conventions SCSI standards use 1)2)3) for ordered lists and a)b)c) for unordered lists. ATA uses the opposite. Add a convention describing what MMC-4 has chosen which appears to be a mix of bullets and numbers all for unordered lists	It is preferred to follow the T10 Editor's Style Guide.	MMC4R03A
190	R. Elliot	HPQ	HPQ #37 - PDF Page 19 3.4 Conventions Add ISO numbering convention about , as decimal point and space every 3 digits	There is some disagreement with this notation, however, it shall be done.	MMC4R03A
191	R. Elliot	HPQ	HPQ #38 - PDF Page 19 3.4 Conventions What does G mean in this standard: 1000000, 1024*1000, or 1024*1024? GB is used several times	To be safe, it is best to define k=10**3, K=2**10, m=10**6, M=2**10, g=10**9, and G=2**30.	MMC4R03A
192	R. Elliot	HPQ	HPQ #39 - PDF Page 21 4.1 General Characteristics Check the format of this line; something made the Acrobat bookmark blank.	The referencing error should be corrected.	MMC4R03A
193	R. Elliot	HPQ	HPQ #40 - PDF Page 21 4.1 General Characteristics Move "hanging paragraphs" into a new 4.1.1	Correct the formatting error.	MMC4R03B
194	R. Elliot	HPQ	HPQ #41 - PDF Page 22 4.1.2 Logical BLocks Change WRITE PARAMETERS to Write Parameters	Correct this nomenclature.	MMC4R03A
195	R. Elliot	HPQ	HPQ #42 - PDF Page 23 4.1.5 Resets Fix bullets that appear as Table F.~ Table F.~ Table F.~	Correct this formatting error.	MMC4R03A

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196	R. Elliot	HPQ	HPQ #43 - PDF Page 32 4.1.9 Power Management Change "Power Condition page" to "Power Condition mode page (see SPC-3)".	Correct this nomenclature.	MMC4R03A
197	R. Elliot	HPQ	HPQ #44 - PDF Page 32 4.1.9 Power Management Change commands to command's	Correct the plural/possessive error.	MMC4R03A
198	R. Elliot	HPQ	HPQ #45 - PDF Page 32 4.1.9 Power Management Change "power condition page's" to "Power Condition mode page's"	Correct this nomenclature.	MMC4R03A
199	R. Elliot	HPQ	HPQ #46 - PDF Page 32 4.1.9 Power Management Delete "See the START STOP UNIT command description (6.45) and the MODE SELECT power condition page description (7.7) for more information. " and add a cross references to the first use of START STOP UNIT and Power Condition mode page in this paragraph.	There is no problem here.	-
200	R. Elliot	HPQ	HPQ #47 - PDF Page 32 4.1.9 Power Management Stopped should be included in the power conditions. See SBC-2 for an example.	MMC-WG: MMC 's use of START STOP UNIT and power control are different from SBC-2. MMC-4 describes MM device behavior.	-
201	R. Elliot	HPQ	HPQ #48 - PDF Page 33 4.2 CD Model Move hanging paragraph into a new 4.2.1	Correct the formatting error.	MMC4R03B
202	R. Elliot	HPQ	HPQ #49 - PDF Page 37 4.2.3.2 Fix bullets	Correct this formatting error.	MMC4R03A
203	R. Elliot	HPQ	HPQ #50 - PDF Page 41 4.2.3.6.3 Fix (See)	Correct this formatting error.	MMC4R03A
204	R. Elliot	HPQ	HPQ #51 - PDF Page 55 4.3 DDCD model Fix "Table F.. reduction of the track pitch (x 1.45) Table F.. reduced minimum pit size (x 1.33) Table 26 . Realization of higher den"	Correct this formatting error.	MMC4R03A
205	R. Elliot	HPQ	HPQ #52 - PDF Page 55 4.3 DDCD Model Move hanging paragraphs into a new 4.3.1	Correct the formatting error.	MMC4R03B
206	R. Elliot	HPQ	HPQ #53 - PDF Page 59 4.3.1.6 Fix item 8	Entire list needs review and correction.	MMC4R03A
207	R. Elliot	HPQ	HPQ #54 - PDF Page 59 4.3.1.7 Fix bullets	Correct this formatting error.	MMC4R03A
208	R. Elliot	HPQ	HPQ #55 - PDF Page 61 4.3.1.11 Fix bullets that appear as Table F.~ Table F.~ Table F.~ Table F.~ Table F.~	Correct this formatting error.	MMC4R03A
209	R. Elliot	HPQ	HPQ #56 - PDF Page 63 4.4 DVD Model Move hanging paragraphs into a new 4.4.1	Correct the formatting error.	MMC4R03B

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210	R. Elliot	HPQ	HPQ #57 - PDF Page 63 4.4 DVD Model After Alliance add a :	Correct this typographical error.	MMC4R03A
211	R. Elliot	HPQ	HPQ #58 - PDF Page 63 4.4 DVD Model A DVD Logical Unit may be capable of reading CD-ROM. They may also be able to read CD-R and CD-RW, which seem to be different terms than CD-ROM in this standard	The statement of the capability possibility adds no value to the discussion. The sentence should be deleted.	MMC4R03A
212	R. Elliot	HPQ	HPQ #59 - PDF Page 63 4.4.1 Fix "as shown in . "	Add reference.	MMC4R03A
213	R. Elliot	HPQ	HPQ #60 - PDF Page 64 4.4.1.1 Change 1-4 list to an a)-d) list since it is unordered.	It is preferred to follow the T10 Editor's Style Guide.	MMC4R03A
214	R. Elliot	HPQ	HPQ #61 - PDF Page 64 4.4.1.1 Track structure Change Lead-out start to Lead-out start address	Correct this nomenclature error.	MMC4R03A
215	R. Elliot	HPQ	HPQ #62 - PDF Page 64 4.4.1.1 Track structure Change Lead-out start to Lead-out start address	Correct this nomenclature error.	MMC4R03A
216	R. Elliot	HPQ	HPQ #63 - PDF Page 64 4.4.1.1 Track structure Change Lead-out start to Lead-out start address	Correct this nomenclature error.	MMC4R03A
217	R. Elliot	HPQ	HPQ #64 - PDF Page 65 4.4.1.2 ECC Blocks PSN is used here without any introduction. Introduce "Physical Sector Number (PSN)" in one of the preceding sentences, or just use the generic sector term here. The definition could be moved from 4.4.1.2.1 to here. Since PSN is not really part of "the structure of the data sector" its intro text is misplaced.	PSN is defined in 3.1.105, but it is not in the abbreviations list. That should be fixed.	MMC4R03A
218	R. Elliot	HPQ	HPQ #65 - PDF Page 65 4.4.1.2 Change ", apply" to "and apply" The sentence structure is "must read ... and apply .. prior to extracting"	The "and" was correctly placed. The word "de-interleaving" should have been "de-interleave".	MMC4R03A
219	R. Elliot	HPQ	HPQ #66 - PDF Page 65 4.4.1.2.1 The Structure of the Data Sector Change "2 064 bytes, 2 048 bytes" to "2 064 bytes, containing 2 048 bytes"	Change wording accordingly.	MMC4R03A
220	R. Elliot	HPQ	HPQ #67 - PDF Page 65 4.4.1.2.1 after sector add .	Correct the punctuation error.	MMC4R03A
221	R. Elliot	HPQ	HPQ #68 - PDF Page 65 4.4.1.2.1 Figure 28 Change 2048 to 2 048 to follow the awful ISO style	Awful it shall be.	MMC4R03A

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222	R. Elliot	HPQ	HPQ #69 - PDF Page 66 4.4.1.2.1 Move "Physical Sector Number (PSN) The least significant 24 bits (bits 23 through 0) contains the PSN in binary notation. The PSN of the first Physical Sector of an ECC Block shall be an integral multiple of 16. In the data zone, the translation of LBA to PSN varies according to media" into the previous section. PSN is not part of the structure itself.	No, this is better here. It goes with figure 29.	-
223	R. Elliot	HPQ	HPQ #70 - PDF Page 66 4.4.1.2.2 "When 16 sequential sectors are packed in this way and there are 192 rows, each with 172 bytes. " lacks a verb. "When ..., <what happens?>"	Change the wording to something better.	MMC4R03A
224	R. Elliot	HPQ	HPQ #71 - PDF Page 68 4.4.1.3 Lead-in Area Convert Disc Size into a table, showing all other values are reserved. Get rid of the yellow highlighted text.	Correct this error.	MMC4R03A
225	R. Elliot	HPQ	HPQ #72 - PDF Page 68 4.4.1.3 Lead-in Area Convert Book Type values into a table	Correct this error.	MMC4R03A
226	R. Elliot	HPQ	HPQ #73 - PDF Page 68 4.4.1.3 Lead-in area Delete blank line after Medium Unique Data and before Disc Manufacturing information.	Disc Manufacturing Data is not shown in the table. Remove	MMC4R03A
227	R. Elliot	HPQ	HPQ #74 - PDF Page 68 4.4.1.3 Lead-in Area After "The Disc Manufacturing Information add "sector" to distinguish it from the fields above.	See above.	MMC4R03A
228	R. Elliot	HPQ	HPQ #75 - PDF Page 68 4.4.1.3 Lead-in area Add a sentence introducing the Physical Format Information sector and table 33.	OK.	MMC4R03A
229	R. Elliot	HPQ	HPQ #76 - PDF Page 69 4.4.2.1 Track Structure Use consistent , or not on the bullet list	Commas should be added.	MMC4R03A
230	R. Elliot	HPQ	HPQ #77 - PDF Page 69 4.4.2 DVD-ROM/DVD Video What is "DVD Video"? An alternative name for DVD-ROM, or a sub type? It's not in the definitions list. Should it be "DVD-Video" or "DVD Video" (the former is used a few times in the standard)	We shall either find a reference or remove DVD-Video.	MMC4R03A
231	R. Elliot	HPQ	HPQ #78 - PDF Page 70 4.4.2.3 The Lead-in Table 35 Move 000000h up to match format of rest of table	OK.	MMC4R03A
232	R. Elliot	HPQ	HPQ #79 - PDF Page 74 4.4.4.2 Sector Structure Get rid of yellow highlighting	Yellow highlighting is the change designation from previous version.	MMC4R03A

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233	R. Elliot	HPQ	HPQ #80 - PDF Page 74 4.4.4.1 Use ISO format for "3.95 and 4.7 GB"	Commas.	MMC4R03A
234	R. Elliot	HPQ	HPQ #81 - PDF Page 75 4.4.4.3 The Lead-in Table 41 Get rid of yellow highlighting	Yellow highlighting is the change designation from previous version. No change needed.	MMC4R03A
235	R. Elliot	HPQ	HPQ #82 - PDF Page 78 4.4.4.3.3 Extra Border Zone Fix cross reference in "is shown in Figure 35. "	Correct the formatting error.	MMC4R03A
236	R. Elliot	HPQ	HPQ #83 - PDF Page 79 4.4.4.4.1 Rzone Description Fix bullets	Correct the formatting error.	MMC4R03A
237	R. Elliot	HPQ	HPQ #84 - PDF Page 80 4.4.5.1 Track Structure Change all the GB numbers to ISO format with , as decimal point	Correct this error.	MMC4R03A
238	R. Elliot	HPQ	HPQ #85 - PDF Page 85 4.4.5.2.2 Fix indents of the Logical Track Number equation	Correct the formatting error.	MMC4R03A
239	R. Elliot	HPQ	HPQ #86 - PDF Page 87 4.4.6.1.2 Logical Structure Use ISO format for numbers in "The DVD+RW 120-mm one-sided disc has 4.70GB available to the user, while the two-sided disc has 9.40GB. The DVD+RW 80-mm one-sided disc has 1.46GB available to the user, while the two-sided disc has 2.92GB. "	Correct this error.	MMC4R03A
240	R. Elliot	HPQ	HPQ #87 - PDF Page 94 4.6.2.1 Persistent-DM mode Is "may not" intended here?	It means "optional". We should fix this for clarity.	MMC4R03A
241	R. Elliot	HPQ	HPQ #88 - PDF Page 112 4.8.6 WDCB Fix "see 0"	Correct this reference error.	MMC4R03A
242	R. Elliot	HPQ	HPQ #89 - PDF Page 117 4.9.4 Delayed Disc load operation (and global) These command names should be all-caps. There are quite a few tables here and in the profiles with this problem.	Correct this error.	MMC4R03A
243	R. Elliot	HPQ	HPQ #90 - PDF Page 117 4.9.4 Delayed Disc load operation Is "may not" intended here?	This means optional. Need better wording.	MMC4R03A
244	R. Elliot	HPQ	HPQ #91 - PDF Page 119 5.2 FEATURES Change FEATURES to Features	Correct this error.	MMC4R03A
245	R. Elliot	HPQ	HPQ #92 - PDF Page 120 5.2.2 Persistent Bit Change NOT to not	Correct this error.	MMC4R03A
246	R. Elliot	HPQ	HPQ #93 - PDF Page 120 5.2.3 Current Bit Change NOT to not	Correct this error.	MMC4R03A

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247	R. Elliot	HPQ	HPQ #94 - PDF Page 123 5.3 Feature Definitions Move "hanging paragraph" into a new 5.4.1 Feature Definitions Overview	This expanded definition of hanging paragraph seems to be context sensitive. Maybe we'll delete the introductory sentence.	MMC4R03B
248	R. Elliot	HPQ	HPQ #95 - PDF Page 126 Table 78 - Physical Interface Standard What are these referencing? "See SCSI implementation See ATAPI implementation See 1394 implementation See 1394 implementation See Fibre Channel (FCP) Implementation See 1394 implementation See ATAPI implementation See USB implementation "	Correct this error.	MMC4R03A
249	R. Elliot	HPQ	HPQ #96 - PDF Page 126 Table 78 Does "SCSI Family" really mean Parallel SCSI?	A reference is in order for clarification.	MMC4R03A
250	R. Elliot	HPQ	HPQ #97 - PDF Page 126 Table 78 If this table is listing low-level interconnects, it should have: Parallel SCSI Parallel ATA Serial ATA IEEE 1394 Fibre Channel etc. If this is listing SCSI transport protocols, it should have: Parallel SCSI ATAPI over Parallel ATA or Serial ATA SBP-3 over 1394 FCP-3 over Fibre Channel etc. Right now it is an unclear mix.	It is completely useless information with a useless description. We should add a more accurate description in order to cover up the fact that this is useless information.	MMC4R03A
251	R. Elliot	HPQ	HPQ #98 - PDF Page 133 5.3.7 Multi-Read Feature Table 90 Beh should be BEh	Correct this autoformatting error.	MMC4R03A
252	R. Elliot	HPQ	HPQ #99 - PDF Page 134 5.3.8 CD Read Feature Table 92 Beh should be BEh	Correct this autoformatting error.	MMC4R03A
253	R. Elliot	HPQ	HPQ #100 - PDF Page 135 5.3.9 DVD Read Feature 18h should be 28h for READ (10)	Correct this typographical error.	MMC4R03A
254	R. Elliot	HPQ	HPQ #101 - PDF Page 135 5.3.9 DVD Read Feature Change "READ(10)" to "READ (10)" and "READ(12)" to "READ (12)"	Correct this nomenclature error.	MMC4R03A
255	R. Elliot	HPQ	HPQ #102 - PDF Page 136 5.3.10 Random Writable Feature Is "may not" intended here or "shall not"?	This means optional. Need better wording.	MMC4R03A
256	R. Elliot	HPQ	HPQ #103 - PDF Page 141 5.3.13 Formattable Feature Change "VERIFY(10) to "VERIFY (10)"	Correct this nomenclature error.	MMC4R03A
257	R. Elliot	HPQ	HPQ #104 - PDF Page 143 5.3.15 Write Once Feature Is "may not" intended here or "shall not"?	This means optional. Need better wording.	MMC4R03A
258	R. Elliot	HPQ	HPQ #105 - PDF Page 143 5.3.15 Write Once Feature Table 109 Change "WRITE(10)" to "WRITE (10)"	Correct this nomenclature error.	MMC4R03A

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259	R. Elliot	HPQ	HPQ #106 - PDF Page 169 5.3.32 Embedded Changer Feature capitalize Mechanism Status	Correct this error.	MMC4R03A
260	R. Elliot	HPQ	HPQ #107 - PDF Page 179 5.3.40 Feature 010Ah: Disc Control Blocks Format like the other 5.3.x sections: Disc Control Blocks Feature (010Ah)	Correct this error.	MMC4R03A
261	R. Elliot	HPQ	HPQ #108 - PDF Page 180 5.3.41 Feature 010Bh: DVD CPRM Format like the other 5.3.x sections: DVD CPRM Feature (010Bh)	Correct this error.	MMC4R03A
262	R. Elliot	HPQ	HPQ #109 - PDF Page 181 5.3.42 Feature 010Ch: Firmware Information Format like the other 5.3.x sections: Firmware Information Feature (010Ch)	Correct this error.	MMC4R03A
263	R. Elliot	HPQ	HPQ #110 - PDF Page 183 5.4.1 Profile 0000h Change "may be" to "is" - there's no option here.	Fix the wording.	MMC4R03A
264	R. Elliot	HPQ	HPQ #111 - PDF Page 183 5.4.x Use 00nnh or just nnh consistently for profile numbers	00xxh is preferred.	MMC4R03A
265	R. Elliot	HPQ	HPQ #112 - PDF Page 183 5.4 Profile Definitions Move "hanging paragraphs" into a new 5.4.1 Profile Definitions Overview	Correct this formatting error.	MMC4R03B
266	R. Elliot	HPQ	HPQ #113 - PDF Page 184 5.4.2 Profile 1h Use 1h or 0001h rather than just 1 consistently	Correct the formatting error.	MMC4R03A
267	R. Elliot	HPQ	HPQ #114 - PDF Page 185 5.4.3 Profile 2h Use 2h or 0002h rather than just 2 consistently	Correct the formatting error.	MMC4R03A
268	R. Elliot	HPQ	HPQ #115 - PDF Page 186 5.4.4 Profile 3h Use 3h or 0003h rather than just 3 consistently	Correct the formatting error.	MMC4R03A
269	R. Elliot	HPQ	HPQ #116 - PDF Page 187 5.4.5 Profile 4h Use 4h or 0004h rather than just 4 consistently	Correct the formatting error.	MMC4R03A
270	R. Elliot	HPQ	HPQ #117 - PDF Page 188 5.4.6 Profile 5h Use 5h or 0005h rather than just 5 consistently	Correct the formatting error.	MMC4R03A
271	R. Elliot	HPQ	HPQ #118 - PDF Page 189 5.4.7 Profile 8h Use 8h or 0008h rather than just 8 consistently	Correct the formatting error.	MMC4R03A
272	R. Elliot	HPQ	HPQ #119 - PDF Page 190 5.4.8 Profile 9h Use 9h or 0009h rather than just 9 consistently	Correct the formatting error.	MMC4R03A
273	R. Elliot	HPQ	HPQ #120 - PDF Page 190 5.4.8 Profile 9h "Ability to notify Initiator about operational changes and accept Initiator requests to prevent operational changes " does not match the Morphing description in other tables in 5.4.x	Correct this inconsistency.	MMC4R03A

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274	R. Elliot	HPQ	HPQ #121 - PDF Page 198 5.4.15 Profile 1Ah: DVD+RW consistently use either 001Ah or 1Ah	Correct the formatting error.	MMC4R03A
275	R. Elliot	HPQ	HPQ #122 - PDF Page 199 5.4.15 Profile 1Bh: DVD+R consistently use either 001Bh or 1Bh	Correct the formatting error.	MMC4R03A
276	R. Elliot	HPQ	HPQ #123 - PDF Page 199 5.4.17 Profile 1Bh "The device changes its operational behavior due to events external to the Initiator " does not exactly match the Morphing description in other tables in 5.4.x	Correct this inconsistency.	MMC4R03A
277	R. Elliot	HPQ	HPQ #124 - PDF Page 201 5.4.18 Profile 21h: DDCD-R Profile 20h should be 21h	Correct the typographical error.	MMC4R03A
278	R. Elliot	HPQ	HPQ #125 - PDF Page 202 5.4.19 Profile 22h: DDCR-RW Profile 20h should be 22h	Correct the typographical error.	MMC4R03A
279	R. Elliot	HPQ	HPQ #126 - PDF Page 205 6.1 Overview "SCSI Block Commands" should not be referenced by MMC-4	Correct the formatting error.	MMC4R03A
280	R. Elliot	HPQ	HPQ #127 - PDF Page 205 6.1 Overview Refer to "SCSI Primary Commands" by its acronym SPC-3 since an acronym is defined	Correct the formatting error.	MMC4R03A
281	R. Elliot	HPQ	HPQ #128 - PDF Page 205 6.1 Overview Table 212 Change Ach to ACh	Correct the formatting error.	MMC4R03A
282	R. Elliot	HPQ	HPQ #129 - PDF Page 205 6.1 Overview Table 212 Change Bah to BAh	Correct the formatting error.	MMC4R03A
283	R. Elliot	HPQ	HPQ #130 - PDF Page 205 6.1 Overview Table 212 Beh to BEh 6.1 Overview Table 212 0 is a broken reference	Correct the formatting error.	MMC4R03A
284	R. Elliot	HPQ	HPQ #132 - PDF Page 206 Table 213 Change Ach to ACh	Correct the formatting error.	MMC4R03A
285	R. Elliot	HPQ	HPQ #133 - PDF Page 206 Table 213 Change Bah to BAh	Correct the formatting error.	MMC4R03A
286	R. Elliot	HPQ	HPQ #134 - PDF Page 206 Table 213 Change Beh to BEh	Correct the formatting error.	MMC4R03A
287	R. Elliot	HPQ	HPQ #135 - PDF Page 216 6.4.1.3 RelAdr Multi-media devices do not support relative addressing. RelAdr shall be set to zero. If RelAdr is set to one, the command shall be terminated with CHECK CONDITION status and SK/ASC/ASCQ shall be set to to ILLEGAL REQUEST/INVALID FIELD IN CDB. Just label it Obsolete.	The current wording is preferred.	MMC4R03A

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288	R. Elliot	HPQ	HPQ #136 - PDF Page 220 6.5.2.1 Change may not to shall not	Shall be set to zero.	MMC4R03A
289	R. Elliot	HPQ	HPQ #137 - PDF Page 224 6.5.2.3.7 Format Type = 12h Change "or set to" to "or is set to the"	Correct this error.	MMC4R03A
290	R. Elliot	HPQ	HPQ #138 - PDF Page 228 6.5.3.2.3 Stopping and Restarting Change "SCSI command block" to "command"	Correct this error.	MMC4R03A
291	R. Elliot	HPQ	HPQ #139 - PDF Page 257 6.9.1.1 CmdDt "The command support data bit (CmdDt) is not supported by MM Logical Units. If this bit is set to one, the MM Logical Unit shall terminate this command with CHECK CONDITION status and set SK/ASC/ASCQ values to ILLEGAL REQUEST/INVALID FIELD IN CDB. " This field is obsolete in SPC-3. By referring to the old definition, you are creating more confusion than helping.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
292	R. Elliot	HPQ	HPQ #140 - PDF Page 257 6.9 INQUIRY Command This command is owned by SPC-3 and should not be duplicated here.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
293	R. Elliot	HPQ	HPQ #141 - PDF Page 259 6.9.2.3 Version Change "attached via the ATA-PI" to "attached via an ATAPI target port"	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
294	R. Elliot	HPQ	HPQ #142 - PDF Page 259 6.9.2.3 "The Version field indicates the implemented version of this standard." is wrong. It implements the version of SPC-3 that is being followed. This whole command shouldn't be documented here. ATAPI devices should be allowed to put 2h for SCSI, 3h for SPC-1, 4h for SPC-2, or 5h for SPC-3 like SPC defines.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
295	R. Elliot	HPQ	HPQ #143 - PDF Page 259 6.9.2.3 Version "MM Logical Units attached via the SCSI shall report 04h." "The SCSI" is weird. Limiting this rule to parallel SCSI doesn't make any sense. Applying this to all SCSI transport protocols doesn't make sense; this is the SPC version field, MMC-4 shouldn't care about its contents.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C

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296	R. Elliot	HPQ	HPQ #144 - PDF Page 259 6.9.2.4 "For ATAPI and USB, this field shall have the value 0011b. " This means that generic SCSI software will think ATAPI MMC devices support AutoContingent Allegiance and hierarchical LUN addressing. A PROFILE could mention that ATAPI MMC-4 devices tend to set this to 0000b.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
297	R. Elliot	HPQ	HPQ #145 - PDF Page 259 6.9.2.5 Response Data Format "A Response Data Format field value of two indicates that the data shall be in the format specified in this standard. " No, it means it follows the format in SPC-n, not MMC-4.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
298	R. Elliot	HPQ	HPQ #146 - PDF Page 259 6.9.2.6 "theAllocation" Add space	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
299	R. Elliot	HPQ	HPQ #147 - PDF Page 259 6.9.2.7 Interface Dependent Field #2 "Interface Dependent Field #2 is defined differently based upon the actual interface. For SCSI, the definition of the bits within this field are given in ANSI NCITS.351:2001 (SPC-2). For ATAPI and USB, this field shall have the value 00h. " A PROFILE could say that an ATAPI and USB MMC-4 device typically sets these bits to 00h.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
300	R. Elliot	HPQ	HPQ #148 - PDF Page 259 6.9.2.9 Interface Dependent Field #4 "Interface Dependent Field #4 is defined differently based upon the actual interface. For SCSI, the definition of the bits within this field are given in ANSI NCITS.351:2001 (SPC-2). For ATAPI and USB, this field shall have the value 00h. " A PROFILE could say they're typical 00h for MMC-4 on ATAPI and USB.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
301	R. Elliot	HPQ	HPQ #149 - PDF Page 259 6.9.2.8 Interface Dependent Field #3 "Interface Dependent Field #3 is defined differently based upon the actual interface. For SCSI, the definition of the bits within this field are given in ANSI NCITS.351:2001 (SPC-2). For ATAPI and USB, this field shall have the value 00h. " A PROFILE could say they're typical 00h for MMC-4 on ATAPI and USB.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C

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302	R. Elliot	HPQ	HPQ #150 - PDF Page 259 6.9.2.9 Could an ATAPI or USB device set BQUE=1 and CMDQUE=0 supporting only basic queuing? Or do they have no tags and no queuing at all?	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
303	R. Elliot	HPQ	HPQ #151 - PDF Page 260 6.9.2.14 Version Descriptor It is ridiculous not to point to SPC-3 for these values.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
304	R. Elliot	HPQ	HPQ #152 - PDF Page 273 6.14.1 The CDB and Its Parameters Merge "Reserved Reserved " byte 1 into one "Reserved"	Correct this error.	MMC4R03A
305	R. Elliot	HPQ	HPQ #153 - PDF Page 275 6.15.1.1 RelAdr The RelAdr bit shall be set to zero. Mmdevices do not support relative addressing. Just label it Obsolete.	The current wording is preferred.	MMC4R03A
306	R. Elliot	HPQ	HPQ #154 - PDF Page 277 6.16.1 Table 323 RelADR bit Just label it Obsolete.	The current wording is preferred.	MMC4R03A
307	R. Elliot	HPQ	HPQ #155 - PDF Page 279 6.17.1 The CDB and its Parameters Merge byte 1 "Reserved Reserved" into one "Reserved"	Correct this error.	MMC4R03A
308	R. Elliot	HPQ	HPQ #156 - PDF Page 281 6.18 PREVENT ALLOW MEDIUM REMOVAL Command This command is owned by SPC-3 and should not be duplicated here.	PAMR is defined completely different in MMC. It is not part of the command description duplication discussion.	-
309	R. Elliot	HPQ	HPQ #157 - PDF Page 284 6.19.1.3 RelAdr The Relative Address (RelAdr) bit is not used by MM Logical Units and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
310	R. Elliot	HPQ	HPQ #158 - PDF Page 284 6.19.1.1 DPO The Disable Page Out (DPO) bit is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
311	R. Elliot	HPQ	HPQ #159 - PDF Page 286 6.20.1.3 RelAdr The Relative Address (RELADR) bit is not used by MM Logical Units and shall be set to zero. " Just label it Obsolete.	The current wording is preferred.	-
312	R. Elliot	HPQ	HPQ #160 - PDF Page 286 6.20.1.1 DPO The Disable Page Out (DPO) bit is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
313	R. Elliot	HPQ	HPQ #161 - PDF Page 289 6.21 READ BUFFER Command This command is owned by SPC-3 and should not be duplicated here.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	-
314	R. Elliot	HPQ	HPQ #162 - PDF Page 291 6.21.2.4 Fix "as shown in . "	Correct the reference error.	MMC4R03A

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315	R. Elliot	HPQ	HPQ #163 - PDF Page 296 6.23.1.1 RelAdr The RelAdr field is not used by MM Logical Units and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
316	R. Elliot	HPQ	HPQ #164 - PDF Page 296 6.23.1.2 Logical Block Address The Logical Block Address field is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
317	R. Elliot	HPQ	HPQ #165 - PDF Page 296 6.23.1.3 PMI The PMI field is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
318	R. Elliot	HPQ	HPQ #166 - PDF Page 300 6.24.1.3 RelAdr The RelAdr bit is not used by MM Logical Units and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
319	R. Elliot	HPQ	HPQ #167 - PDF Page 339 6.27.2.19 Format Code 30h Use standard text not italics	The reference is to a publication by name.	-
320	R. Elliot	HPQ	HPQ #168 - PDF Page 351 6.28.2.3 Formatted Capacity Descriptors Is "may not" correct here?	Change to mean: "It is possible."	MMC4R03A
321	R. Elliot	HPQ	HPQ #169 - PDF Page 395 6.33.2.5 Add . after 000101b	Correct this error.	MMC4R03A
322	R. Elliot	HPQ	HPQ #170 - PDF Page 398 6.34 REQUEST SENSE Command This command is owned by SPC-3 and should not be duplicated here.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
323	R. Elliot	HPQ	HPQ #171 - PDF Page 400 6.34.2.6 Sense Key Table 495 - Sense Key Descriptions " Table F.~ Table F.~ Table F.~ Table F.~ " looks like a broken a)b)c)d) list Fix (or delete this whole command description)	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
324	R. Elliot	HPQ	HPQ #172 - PDF Page 406 6.36.1.2 RelAdr The RelAdr bit is not used by MM devices and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
325	R. Elliot	HPQ	HPQ #173 - PDF Page 433 6.42.1 Table 555 Fix special character before bytes/sec	Correct this error.	MMC4R03A
326	R. Elliot	HPQ	HPQ #174 - PDF Page 445 6.47.1.2 RelAdr RelAdr (Relative Address) is not used by MM Logical Units and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
327	R. Elliot	HPQ	HPQ #175 - PDF Page 445 6.47.1.3 Logical Block Address The Logical Unit may ignore the Logical Block Address field. What if it doesn't? Either change to "Restricted for SBC-2" or import the definition.	Import the part of the SBC definition that applies.	MMC4R03A

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328	R. Elliot	HPQ	HPQ #176 - PDF Page 445 6.47.1.4 Number of Blocks The Logical Unit may ignore the Number of Blocks field. What if it doesn't? Change to "Restricted for SBC-2" or import the definition.	SBC suggests that =0 is what is described here. Should be zero, but not an error, otherwise. WG: No change.	-
329	R. Elliot	HPQ	HPQ #177 - PDF Page 447 6.48 TEST UNIT READY Command This command is owned by SPC-3 and should not be duplicated here. Leave the Timeout section since that is MMC-4 specific.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
330	R. Elliot	HPQ	HPQ #178 - PDF Page 448 6.49.1.3 RelAdr RelAdr (Relative Address) is not used by MM Logical Units and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
331	R. Elliot	HPQ	HPQ #179 - PDF Page 448 6.49.1.1 DPO Disable Page Out (DPO) is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
332	R. Elliot	HPQ	HPQ #180 - PDF Page 448 6.49.1.2 BytChk BytChk (Byte Check) is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
333	R. Elliot	HPQ	HPQ #181 - PDF Page 450 6.50.1.1 DPO Disable Page Out (DPO) is not used by MM Logical Units and shall be set to zero. Label it "Restricted for SBC-2"	The current wording is preferred.	-
334	R. Elliot	HPQ	HPQ #182 - PDF Page 451 6.50.1.3 RelAdr RelAdr (Relative Address) is not used by MM Logical Units and shall be set to zero. Just label it Obsolete.	The current wording is preferred.	-
335	R. Elliot	HPQ	HPQ #183 - PDF Page 453 6.50.2.2 CD-R/-RW . SAO Raw, DVD-R/-RW . DAO, Incremental SCSI	WG: SAO Raw on CD-R/-RW, DAO and Incremental on DVD-R/-RW	MMC4R03A
336	R. Elliot	HPQ	HPQ #184 - PDF Page 460 6.53 WRITE BUFFER COMMAND Change COMMAND to Command	Correct this error.	MMC4R03A
337	R. Elliot	HPQ	HPQ #185 - PDF Page 460 6.53 WRITE BUFFER This command is owned by SPC-3 and should not be duplicated here.	The entire command description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
338	R. Elliot	HPQ	HPQ #186 - PDF Page 464 7.1 Mode Parameter List Format Change pages to mode pages	Correct this error.	MMC4R03A
339	R. Elliot	HPQ	HPQ #187 - PDF Page 464 7.1 Mode Parameter List Format Change Pages to Mode pages	Correct this error.	MMC4R03A

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340	R. Elliot	HPQ	HPQ #188 - PDF Page 465 7.1.2 Mode Pages and Global Change all bare "page", "Page", and "Mode Page" to "mode page". The SCSI convention is mixed case for the name then lowercase "mode page." Always including mode helps distinguish from log pages and diagnostic pages.	Correct this error.	MMC4R03A
341	R. Elliot	HPQ	HPQ #189 - PDF Page 465 7.1.3 Mode page format (and elsewhere) byte 0 bit 6 of each page is now the SPF bit (usually set to 0).	OK	MMC4R03B
342	R. Elliot	HPQ	HPQ #190 - PDF Page 476 7.4.3.3 Page Length How does a logical unit know if the initiator supports the field or not? The choice is entirely up to the logical unit.	MMC only specifies device behavior ...Remove initiator reference.	MMC4R03A
343	R. Elliot	HPQ	HPQ #191 - PDF Page 482 7.5.2 Page Code "0Eh, identifying the CD Audio Control Mode Page" is wrong. This is page 08h.	Correct the copy/paste error.	MMC4R03A
344	R. Elliot	HPQ	HPQ #192 - PDF Page 485 7.7 Power Condition Page (Page Code 1Ah) This mode page is defined by SPC-3 and should not be duplicated here.	The entire mode page description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
345	R. Elliot	HPQ	HPQ #193 - PDF Page 487 7.8 Fault / Failure Reporting Control Page (Page Code 1Ch) Since this page is defined in SPC-3, remove it from here and avoid the arbitrary name change too.	The entire mode page description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
346	R. Elliot	HPQ	HPQ #194 - PDF Page 487 7.8 Fault/Failure Reporting Control Page Byte 2 bits 5 and 4, and byte 0 bit 6 are defined in SPC-3 too.	The entire mode page description will be replaced by a reference to SPC-3 plus specific differences for ATAPI.	MMC4R03C
347	R. Elliot	HPQ	HPQ #195 - PDF Page 491 A.1 Introduction Point to ATA/ATAPI-7	OK.	MMC4R03A
348	R. Elliot	HPQ	HPQ #196 - PDF Page 493 A.2.5 Use of Immediate "MM ATAPI devices do not have the opportunity to use the Disconnect/Reselect mechanism of SCSI. Consequently, the use of immediate operations has a greater importance in MM ATAPI devices." This is no longer true in Serial ATA. A SATAPI MM device can leave commands outstanding for as long as they want; it shouldn't affect any other SATA links.	We will add the statement about SATAPI. No effect on MMC.	MMC4R03A

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349	R. Elliot	HPQ	HPQ #197 - PDF Page 494 A.2.6 Mapping of Reset Functions The SCSI Architecture terms to map to are: power on hard reset logical unit reset I_T nexus loss	Correct this error.	MMC4R03A
350	R. Elliot	HPQ	HPQ #198 - PDF Page 495 B.1 Introduction Delete ", and the SCSI Block Command Set (SBC) standard" and add an "and" earlier in the sentence. This standard does not at all depend on SBC. It has a few notes highlighting differences from SBC, but nothing more.	Correct this error.	MMC4R03A
351	R. Elliot	HPQ	HPQ #199 - PDF Page 495 Annex B I don't understand your definition of "SCSI". Is this referring to Parallel SCSI only (defined by SPI-5), or to all SCSI transport protocols?	This should be parallel SCSI.	MMC4R03A
352	R. Elliot	HPQ	HPQ #200 - PDF Page 495 B.3.1 Additions to the SCSI standard Delete "CHANGE DEFINITION is not required." It's not in SCSI any more.	The sub-clause was extraneous and unnecessary. It has been removed.	MMC4R03A
353	R. Elliot	HPQ	HPQ #201 - PDF Page 495 B.3.1 Additions to the SCSI standard "GET EVENT STATUS NOTIFICATION command in addition to the AEN capability in SCSI. " AEN is no longer in SCSI.	The sub-clause was extraneous and unnecessary. It has been removed.	MMC4R03A
354	R. Elliot	HPQ	HPQ #202 - PDF Page 495 B.3.1 Additions to the SCSI standard "The power model for this specification is different from that described for SCSI." Not really; it's just an enhancement.	The sub-clause was extraneous and unnecessary. It has been removed.	MMC4R03A
355	R. Elliot	HPQ	HPQ #203 - PDF Page 495 B.3.1 Additions to the SCSI standard "The Information Exceptions Mode Page is called the Fault/Failure Reporting page in this standard." Why? At least use both names - "Informational Exceptions (Fault/Failure Reporting) mode page" in mmc4 and get to "Informational Exceptions mode page" in mmc5.	The sub-clause was extraneous and unnecessary. It has been removed.	MMC4R03A

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356	R. Elliot	HPQ	HPQ #204 - PDF Page 495 B.3.1 Additions to the SCSI standard "The Mechanism State in this specification uses a value of 3h for the data port in use and not 1h as is specified in the SCSI Standard. " What is conflicting with what? The only "Mechanism State" in this document is in the MECHANISM STATUS command, which is MMC specific, so doesn't conflict with anything in any other SCSI standard.	The sub-clause was extraneous and unnecessary. It has been removed.	MMC4R03A
357	R. Elliot	HPQ	HPQ #205 - PDF Page 495 B.2 SCSI Signal Utilization Delete "B.2 The Logical Unit utilizes the same signals and timing from the SCSI Standard and Extensions. " What signals and timings does a command set care about?	Correct this error. Refer to SPI	MMC4R03A
358	R. Elliot	HPQ	HPQ #206 - PDF Page 495 B.4.3 TARGET RESET task management function If this is a generic SCSI section, not parallel specific, delete "B.4.3 TARGET RESET task management function The TARGET RESET function may be used to reset all Logical Units in the Target.Note: The TARGET RESET task management function was called a £Bus Device Reset£ in SCSI-2. If the Initiator issues the LOGICAL UNIT RESET function to a Logical Unit, the response of the Logical Unit are the same as the response to a TARGET RESET task management function. " as it is no longer in SCSI. If this is parallel SCSI specific, it can remain.	Reference to SPI means no change required.	MMC4R03A
359	R. Elliot	HPQ	HPQ #207 - PDF Page 495 B.1 Introduction NCITS is now INCITS This whole sentence perhaps could be deleted.	Correct this error.	MMC4R03A
360	R. Elliot	HPQ	HPQ #208 - PDF Page 495 B.4.1 Power On Reset Delete "See £Task and Command Lifetimes£ in the SCSI Architecture Model standard (SAM)." Cross references to parts of other standards are not supposed to be done.	OK, see SAM	MMC4R03A
361	R. Elliot	HPQ	HPQ #209 - PDF Page 502 Annex D Remove italics from field names and "may"s	Correct this error.	MMC4R03A
362	R. Elliot	HPQ	HPQ #210 - PDF Page 504 D.2.2 Remove italics from (class-specific request)	Correct this error.	MMC4R03A

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363	R. Elliot	HPQ	HPQ #211 - PDF Page 507 D.3 Descriptors Table F.10.. . . . A . Configuration Descriptor Table D.4 . Configuration Descriptor " is all messed up.	Correct the formatting error.	MMC4R03A
364	R. Elliot	HPQ	HPQ #212 - PDF Page 512 D.4.2 Command Status Wrapper (CSW) "Reserved (Obsolete)" Which one?	It has been obsoleted and is now reserved.	MMC4R03A
365	R. Elliot	HPQ	HPQ #213 - PDF Page 521 E.3.1 Block Descriptors Table E.13 ISO-ize 2448	Correct this error.	MMC4R03A
366	R. Elliot	HPQ	HPQ #214 - PDF Page 527 E.3.3 Table E.21 fix special character before bytes/sec	Correct this error.	MMC4R03A
367	R. Elliot	HPQ	HPQ #215 - PDF Page 547 I.1 Power Management States Stopped should be included in the model as a power condition state. See SBC-2 for an example.	We like Sleep better.	MMC4R03A
368	R. Elliot	HPQ	HPQ #216 - PDF Page 547 I.1 Should ACPI be referenced, given these D0 - D3 references?	Remove D0 ... D3 from table I.1 and any references.	MMC4R03A
369	R. Elliot	HPQ	HPQ #217 - PDF Page 547 I.1 Power Management States Informative annexs are not supposed to contain "shall"s. Many times in this annex.	Correct this error.	MMC4R03A
370	R. Elliot	HPQ	HPQ #218 - PDF Page 548 I.1 Power Management States Change "Mode page" to "mode page"	Correct this error.	MMC4R03A
371	R. Elliot	HPQ	HPQ #219 - PDF Page 549 I.3 Power Management state diagram The cross reference to figure I.2 actually incorporates figure I.2 which yields this mess.	There is no figure I.2. This must refer to figure I.1. The cross-reference is messed up.	MMC4R03A
372	R. Elliot	HPQ	HPQ #220 - PDF Page 551 I.4 Power Management timers Change "POWER CONDITION mode page" to "Power Condition mode page (see SPC-3)".	Correct this error.	MMC4R03A
373	R. Elliot	HPQ	HPQ #221 - PDF Page 551 I.4 Power Management timers Change "POWER CONDITION mode page" to "Power Condition mode page (see SPC-3)".	Correct this error.	MMC4R03A
374	R. Elliot	HPQ	HPQ #222 - PDF Page 555 J.1.1 change NOT to not	Correct this error.	MMC4R03A
375	R. Elliot	HPQ	HPQ #223 - PDF Page 556 J.1.1 CD-MRW Structure Change NOT to not	Correct this error.	MMC4R03A
376	R. Elliot	HPQ	HPQ #224 - PDF Page 556 J.1.3 A CD-MRW EXAMPLE Lowercase EXAMPLE	Correct this error.	MMC4R03A
377	R. Elliot	HPQ	HPQ #225 - PDF Page 557 J.1.3 Change "we may have" to "there are" or "there may be"	Correct this error.	MMC4R03A

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378	R. Elliot	HPQ	HPQ #226 - PDF Page 557 J.1.3 Fix "iterest Table J.1):"	Insert the open parenthesis.	MMC4R03A
379	R. Elliot	HPQ	HPQ #227 - PDF Page 558 J.1.3.2 "We examine byte 2, bit 4 (Erasable) first. If this bit is set to zero, then the disc is not CD-RW and consequently cannot be MRW. It is presumed that this bit is set to one, indicating that this is CD-RW disc. Next we should check byte 7, bits 1, 0 (BG format status). If the value is 00b, then this disc is not formatted as MRW and furthermore, a MRW format is not in progress. Let's suppose that BG format status is not 00b. " is way too conversational. We?	We should fix this.	MMC4R03A
380	R. Elliot	HPQ	HPQ #228 - PDF Page 564 J.1.3.5 READ(10), READ(12), READ CD, WRITE(10), WRITE and VERIFY(10), SEEK(10), VERIFY(10) commands Add space before each (in the section title and capitalize the "and" in "WRITE and VERIFY"	Correct this nomenclature error.	MMC4R03A
381	R. Elliot	HPQ	HPQ #229 - PDF Page 565 J.1.4 Legacy considerations "Note: It is only for the sake of completeness that we describe what might happen in cases 1A, 1B, 3A, and 3B. Nothing can be done within this document to make the legacy situations operate better. That work has been done in the format definition document: MRW Defect Management & Physical Formatting revision 1.0 " is too conversational. The cross reference should be better.	Correct the conversational tone.	MMC4R03A
382	R. Elliot	HPQ	HPQ #230 - PDF Page 565 J.1.4 LEGACY CONSIDERATIONS Use mixed case	Correct this error.	MMC4R03A
383	R. Elliot	HPQ	HPQ #231 - PDF Page 567 J.1.4.4.2 Completing a Format "Suppose that a disc was mounted and our medium identification discovered a disc with incomplete background format. We may issue a new FORMAT UNIT command with the Format Descriptor that indicates that we only wish to continue the background format. There are good reasons to NOT do that. " is way too conversational. Who is being referred to as "we" and "our"? Also, NOT cannot be used for emphasis under ISO style guidelines.	Correct this error.	MMC4R03A

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384	R. Elliot	HPQ	HPQ #232 - PDF Page 567 J.1.4.4.1 Writing User Data to the Medium during Background Format Change "Read(10) and Read(12)" to "READ (10) and READ (12)"	Correct this nomenclature error.	MMC4R03A
385	R. Elliot	HPQ	HPQ #233 - PDF Page 567 J.1.4.4.1 Writing User Data to the Medium during Background Format Change "WRITE(10)" to "WRITE (10)"	Correct this nomenclature error.	MMC4R03A
386	R. Elliot	HPQ	HPQ #234 - PDF Page 569 J.2.1 Use ISO format for numbers in "The DVD+RW 120-mm one-sided disc has a 4.70GB information zone, while the two-sided disc has 9.40GB. The (one-sided) MRW capacity is either 4.56GB or 4.16GB, based on formatting. The DVD+RW 80-mm one-sided disc has 1.46GB information zone, while the two-sided disc has 2.92GB. The (one-sided) MRW capacity is 1.33GB. "	Commas in place of decimal points have generated a great deal of controversy even with some of the non-American members of the WG. But OK, we'll try to live with this assault on our sensibilities.	MMC4R03A
387	R. Elliot	HPQ	HPQ #235 - PDF Page 569 J.2.1 Change 1024 to 1 024	Correct the formatting error.	MMC4R03A
388	R. Elliot	HPQ	HPQ #236 - PDF Page 572 J.2.3.2.3 Completing a Format "Suppose that a disc was mounted and our medium identification discovered a disc with incomplete background format. We may issue a new FORMAT UNIT Command with the Format Descriptor that indicates that we only wish to continue the background format. There are good reasons to NOT do that. " is way too conversational. Who is being referred to as "we" and "our"? Also, NOT cannot be used for emphasis under ISO style guidelines.	This is an informational annex and too much freedom was taken in the presentation. The conversational tone shall be corrected and emphasis words shall be removed.	MMC4R03A
389	R. Snively	Brocade	1. Page 3, sub-clause 2.1. Hanging Paragraphs need to be corrected here and many many other places. Perform correction. Contact George Penokie for explanatory information. Hanging paragraphs are most easily corrected by placing the hanging text in a new sub-clause titled "introduction", "explanation", "overview" or some similar appropriate name.	Correct the formatting error.	MMC4R03A
390	R. Snively	Brocade	2. Page 3, sub-clause 2.1.1. The text "Table F" appears here and in many other places. This appears to be a fault in the "style" definition for the text. Other examples are found in 4.1.5, 4.3, 4.3.1.11, 4.4.4.1, and many other places.	This is an automatic formatting problem of unknown origins. It shall be fixed.	MMC4R03A

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391	R. Snively	Brocade	3. Pages 4&5, sub-clause 2.2. Addresses for the availability of certain documents are not provided. Provide availability addresses for Philips and Sony documents, including where possible the ISDN number, publisher, or Philips part-number. Provide availability addresses for the DVD Forum documents, including where possible the ISDN number, publisher, or DVD Forum document number. Documents that are not available to the general public for free or for a reasonable purchase or subscription fee should not be included as references.	The simplest solution is to provide website URLs that provide the necessary contact information. Free is always good. The word "reasonable" as a description of a purchase price or subscription fee is fuzzy at best. We do not list references that are not useful, so we cannot arbitrarily remove any that are listed.	MMC4R03A
392	R. Snively	Brocade	4. Page 4, sub-clause 2.2. The text "bytes" in the System Description Compact Disk Read Only Memory document title includes unprintable characters. I assume that these are associated with special ' or " formats and associated font problems.	This is an automatic formatting problem of unknown origins. It shall be fixed.	MMC4R03A
393	R. Snively	Brocade	5. A search for invalid keywords should be made. In particular, the word "must" appears a number of places in place of the correct keyword "shall". The words "not required" should be replaced with "may not" and an appropriate rewrite. The word "required" should be replaced with either a rewritten sentence or the keyword "mandatory" or "shall", depending on the context. The word "cannot" should be replaced with "shall not". The word "can" should be replaced with "may" or "should" depending on the context. The word "can" and "cannot" are used in code titles, and should probably be rewritten in those cases as well.	Most of these are specifically pointed to by other comments. Each will be fixed by rewording as necessary.	MMC4R03A
394	R. Snively	Brocade	6. The word "which" should almost always be replaced with the word "that" or deleted entirely, depending on the context. Some of the cases may choose other rewrites.	In general, this is correct. It is context dependent. Each case shall be handled accordingly.	MMC4R03A
395	Nakaki	HSC	Figure 30 appears to be missing row 0: B0,0 B0,1 B0,2 B0,171 C0,1 C0, 2 C0,3 C0,9	Correct the error.	MMC4R03A
396	Nakaki	HSC	Table 351 lists the Random Writable Feature as feature number 29h. The actual feature number is 20h.	Correct the error.	MMC4R03A

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397	M. Evans	MAXTOR	There are seven commands described in detail in MMC-4 that are defined in SPC-3 (INQUIRY, MODE SELECT(10), MODE SENSE(10), READ BUFFER, REQUEST SENSE, TEST UNIT READY, and WRITE BUFFER). Such duplication can result in divergence in definition. As an example: MMC-3 defines byte 3 in the mandatory INQUIRY command as Reserved, whereas SPC-3 defines this byte as part of the Allocation Length field. It is appropriate to define command set-specific behavior for a particular command in a command set standard, but all duplication with SPC-3 should be removed from MMC-4.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
398	G. Penoke	IBM	PDF pg 3, pg iii, REVISION HISTORY The revision history has to be removed before letter ballot.	OK	MMC4R03B
399	G. Penoke	IBM	PDF pg 39, pg xxxix, D.3 Descriptor Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B
400	G. Penoke	IBM	PDF pg 63, pg 3, 2.1 Normative References It's apparent that the group writing this standard did not use the approved t10 style guide (03-049r0) in creating this standard. Until the style guide is implemented into this standard I will not recommend this standard be forwarded.	OK	MMC4R03B
401	G. Penoke	IBM	Technical PDF pg 63, pg 3, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms. I have scanned this standard and there are over 100 uses of the word can that I have not marked all have to be changed. Although not true in all cases the statement << is able to >> can be used to replace can.	OK	MMC4R03B

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402	G. Penoke	IBM	PDF pg 63, pg 3, 2.1 Normative References There are several unprintable characters in the Table F references.	OK	MMC4R03B
403	G. Penoke	IBM	Technical PDF pg 68, pg 8, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
404	G. Penoke	IBM	Technical PDF pg 68, pg 8, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
405	G. Penoke	IBM	Technical PDF pg 69, pg 9, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
406	G. Penoke	IBM	Technical PDF pg 69, pg 9, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
407	G. Penoke	IBM	Technical PDF pg 69, pg 9, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
408	G. Penoke	IBM	Technical PDF pg 69, pg 9, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

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409	G. Penoke	IBM	Technical PDF pg 69, pg 9, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms. There are at least 23 uses of cannot that I have not noted that have to be changed to the correct terminology. Although not true in all cases the statement << is not able to >> can be used to replace cannot.	OK	MMC4R03B
410	G. Penoke	IBM	Technical PDF pg 70, pg 10, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
411	G. Penoke	IBM	Technical PDF pg 70, pg 10, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
412	G. Penoke	IBM	Technical PDF pg 70, pg 10, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
413	G. Penoke	IBM	Technical PDF pg 70, pg 10, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
414	G. Penoke	IBM	Technical PDF pg 70, pg 10, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
415	G. Penoke	IBM	Technical PDF pg 70, pg 10, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

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416	G. Penoke	IBM	Technical PDF pg 78, pg 18, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
417	G. Penoke	IBM	PDF pg 79, pg 19, 3.4 Conventions The conventions section does not contain the information that is usually listed in t10 standards. For example there is no description of the ISO numbering format nor is there any statement about priority of conflicting requirement in test, tables, and figures. This section should be copied from one of the other t10 standards for example SPC-3.	OK.	MMC4R03B
418	G. Penoke	IBM	PDF pg 81, pg 21, 4.1 General Characteristics Global There are many hanging paragraphs in this standard and they all need to be fixed. For example all the text between section 4.1 and 4.1.1 in hanging text that needs to be move to a section 4.1.1 with the current text moving to 4.1.2 etc. If you want more information on what hanging paragraphs are see the t10 style guide.	OK	MMC4R03B
419	G. Penoke	IBM	Technical PDF pg 81, pg 21, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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420	G. Penoke	IBM	Technical PDF pg 82, pg 22, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >> except were it occurs in a informative text (i.e., notes and informative annex). In those cases any requirements have to be removed as no requirements are allowed in informative text.	OK	MMC4R03B
421	G. Penoke	IBM	Technical PDF pg 82, pg 22, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
422	G. Penoke	IBM	Technical PDF pg 83, pg 23, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
423	G. Penoke	IBM	PDF pg 83, pg 23, Global There should be no billeted lists. All lists should be either a,b,c or 1,2,3 where a,b,c is used when ordering is not important and 1,2,3 used where ordering is important. Also all lists should follow the format below. This needs to fixed throughout this standard.	OK	MMC4R03B
424	G. Penoke	IBM	PDF pg 83, pg 23, 4.1.5 Resets There are unprintable character is in the cross-reference Table F and the font is not arial or helvetica.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

425	G. Penoke	IBM	PDF pg 84, pg 24, Global There should be no bulleted lists. All lists should be either a,b,c or 1,2,3 where a,b,c is used when ordering is not important and 1,2,3 used where ordering is important. Also all lists should follow the format below. This needs to fixed throughout this standard.	OK	MMC4R03B
426	G. Penoke	IBM	PDF pg 84, pg 24, 4.1.6.2 Logical Unit Busy Conditions , Note All notes need to be numbered.	OK	MMC4R03B
427	G. Penoke	IBM	PDF pg 84, pg 24, Global 99% of the time the statement << For example, >> should be replaced with << (e.g., text) >>. This needs to be corrected throughout this standard.	OK	MMC4R03B
428	G. Penoke	IBM	PDF pg 84, pg 24, Global In this standard there are several different formats for inline notes; all caps, first letter only cap, indented, not indented, indented to different indents, and the note on a separate line from the text. There is only one correct format and that is specified in the t10 style guide. All the notes need to be fixed for this and many other reasons. See other comments from more information.	Thanks. It seems that the standards world use of "NOTE" often means "Hint" but seldom means "nota bene". Because of this, we have discovered many instances where the NOTE should not actually be a note but normal text.	MMC4R03B
429	G. Penoke	IBM	Technical PDF pg 84, pg 24, 4.1.6.2 Logical Unit Busy Conditions , 2nd Note This note appears to contain requirements. As a result it needs to be made part of the normative text or deleted.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

430	G. Penoke	IBM	Technical PDF pg 86, pg 26, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
431	G. Penoke	IBM	Technical PDF pg 86, pg 26, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
432	G. Penoke	IBM	Technical PDF pg 86, pg 26, 4.1.6.4 Deferred Errors Why are deferred errors described in this standard. They are already defined in SPC-3. They is no reason for duplicated specifications. If required to be used in this standard there should only be a reference to SPC-3. Delete this section except for that reference.	OK	MMC4R03B
433	G. Penoke	IBM	Technical PDF pg 86, pg 26, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
434	G. Penoke	IBM	PDF pg 86, pg 26, Global Throughout this standard there are numbered list that appear to not be ordered lists. All those lists should be changed to a,b,c list that follow the format shown in my other comments.	OK	MMC4R03B
435	G. Penoke	IBM	Technical PDF pg 86, pg 26, Global The term << can >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
436	G. Penoke	IBM	Technical PDF pg 86, pg 26, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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437	G. Penoke	IBM	Technical PDF pg 87, pg 27, 4.1.7 Removable medium , 9th paragraph The statement << as they would be if Persistent Prevent >> needs to be <<as if Persistent Prevent >>	OK	MMC4R03B
438	G. Penoke	IBM	Technical PDF pg 88, pg 28, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
439	G. Penoke	IBM	PDF pg 88, pg 28, Global All notes have to be numbered starting with 1. (e.g., NOTE 1, NOTE 2)	OK for body text. Table notes appear to be handled differently.	MMC4R03B
440	G. Penoke	IBM	Technical PDF pg 88, pg 28, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
441	G. Penoke	IBM	PDF pg 97, pg 37, 4.2.3.2 Frame Addressing More unprintable characters after the Table F. reference.	OK	MMC4R03B
442	G. Penoke	IBM	PDF pg 112, pg 52, 4.2.3.11 The Track Descriptor Block , Under table 24 The << Recording method is coded as follows: >> codes should be in a table.	OK	MMC4R03B
443	G. Penoke	IBM	Technical PDF pg 113, pg 53, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
444	G. Penoke	IBM	Technical PDF pg 113, pg 53, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
445	G. Penoke	IBM	PDF pg 115, pg 55, 4.3 DDCD Model Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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446	G. Penoke	IBM	PDF pg 115, pg 55, Global All italics should be removed and replaced with normal text.	There are cases where italics are permitted. Those have been specified in the conventions. Other cases have been corrected.	MMC4R03B
447	G. Penoke	IBM	PDF pg 116, pg 56, 4.3.1 DDCD Specifications , Table 27 The note in this table does not use the correct table note format. See the t10 style guide for the correct format.	OK	MMC4R03B
448	G. Penoke	IBM	PDF pg 117, pg 57, 4.3.1.2 Single Session Disc There is a << w >> between figure 18 and the figure 18 title that does not appear to belong there.	OK	MMC4R03B
449	G. Penoke	IBM	PDF pg 119, pg 59, 4.3.1.6 Sub-Channel Information Formats Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B
450	G. Penoke	IBM	PDF pg 119, pg 59, 4.3.1.7 DDCD Ready Condition/Not Ready Condition Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B
451	G. Penoke	IBM	PDF pg 121, pg 61, 4.3.1.11 DDCD Recordable and DDCD ReWritable Structure Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B
452	G. Penoke	IBM	Technical PDF pg 125, pg 65, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
453	G. Penoke	IBM	Technical PDF pg 125, pg 65, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

454	G. Penoke	IBM	PDF pg 139, pg 79, 4.4.4.4.1 Rzone Description Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B
455	G. Penoke	IBM	Technical PDF pg 142, pg 82, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
456	G. Penoke	IBM	Technical PDF pg 142, pg 82, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
457	G. Penoke	IBM	Technical PDF pg 142, pg 82, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
458	G. Penoke	IBM	Technical PDF pg 144, pg 84, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
459	G. Penoke	IBM	Technical PDF pg 144, pg 84, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
460	G. Penoke	IBM	Technical PDF pg 144, pg 84, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
461	G. Penoke	IBM	Technical PDF pg 144, pg 84, 4.4.5.2.1.3 Sessions , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

462	G. Penoke	IBM	PDF pg 145, pg 85, 4.4.5.2.2 The Initiators Perspective Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B
463	G. Penoke	IBM	Technical PDF pg 145, pg 85, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
464	G. Penoke	IBM	Technical PDF pg 145, pg 85, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
465	G. Penoke	IBM	Technical PDF pg 146, pg 86, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
466	G. Penoke	IBM	PDF pg 147, pg 87, 4.4.6.1.2 Logical Structure , 3rd paragraph The number << 4.70GB >> is not stated in the correct ISO format. It should be << 4,70GB >>	OK	MMC4R03B
467	G. Penoke	IBM	PDF pg 147, pg 87, 4.4.6.1.2 Logical Structure , 3rd paragraph The number << 9.40GB >> is not stated in the correct ISO format. It should be << 9,40GB >>	OK	MMC4R03B
468	G. Penoke	IBM	PDF pg 147, pg 87, 4.4.6.1.2 Logical Structure , 3rd paragraph The number << 1.46GB >> is not stated in the correct ISO format. It should be << 1,46GB >>	OK	MMC4R03B
469	G. Penoke	IBM	PDF pg 147, pg 87, 4.4.6.1.2 Logical Structure , 3rd paragraph The number << 2.92GB >> is not stated in the correct ISO format. It should be << 2,92GB >>	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

470	G. Penoke	IBM	Technical PDF pg 149, pg 89, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
471	G. Penoke	IBM	Technical PDF pg 149, pg 89, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
472	G. Penoke	IBM	Technical PDF pg 149, pg 89, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
473	G. Penoke	IBM	Technical PDF pg 149, pg 89, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
474	G. Penoke	IBM	Technical PDF pg 150, pg 90, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
475	G. Penoke	IBM	Technical PDF pg 150, pg 90, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
476	G. Penoke	IBM	Technical PDF pg 150, pg 90, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
477	G. Penoke	IBM	Technical PDF pg 150, pg 90, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

04-191r1

478	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
479	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
480	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
481	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
482	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
483	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
484	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
485	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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486	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
487	G. Penoke	IBM	Technical PDF pg 152, pg 92, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
488	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
489	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
490	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
491	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
492	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
493	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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494	G. Penoke	IBM	Technical PDF pg 153, pg 93, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
495	G. Penoke	IBM	Technical PDF pg 159, pg 99, 4.6.3.4.1 Simple DBI memory model The statement << before overflow would occur. >> should be << before an overflow occurs >>	OK	MMC4R03B
496	G. Penoke	IBM	Technical PDF pg 159, pg 99, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace could.	OK	MMC4R03B
497	G. Penoke	IBM	Technical PDF pg 159, pg 99, 4.6.3.4.2 Large DBI buffer memory model The statement << disc capacity would be enough size for Large DBI buffer >> should be << disc capacity should be enough size for Large DBI buffer >>	OK	MMC4R03B
498	G. Penoke	IBM	Technical PDF pg 161, pg 101, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
499	G. Penoke	IBM	Technical PDF pg 166, pg 106, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
500	G. Penoke	IBM	Technical PDF pg 166, pg 106, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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501	G. Penoke	IBM	Technical PDF pg 167, pg 107, 4.7.1.1 Error Handling with Hardware or No Defect Management , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
502	G. Penoke	IBM	PDF pg 174, pg 114, 4.9.1 Side definition The statement <<Although this would not normally be thought of as a changer type of operation, >> should be << Although this is not normally a changer type of operation, >>	OK	MMC4R03B
503	G. Penoke	IBM	PDF pg 174, pg 114, 4.9.1 Side definition , 1st paragraph The statement << logical slots. For example, referencing slot 0 would be one side of the Disc, and slot 1 would then be the other side. >> should be << logical slots (e.g., reference to slot 0 points to one side of the Disc, and to slot 1 other side. >>	OK	MMC4R03B
504	G. Penoke	IBM	PDF pg 179, pg 119, 5.1 Introduction , Last paragraph The statement << If a Not Ready response would be given to a TEST UNIT READY command, no Profile shall be current. >> should be << If a device is not ready (i.e., Not Ready response to a TEST UNIT READY command), no Profile shall be current. >>	OK	MMC4R03B
505	G. Penoke	IBM	PDF pg 179, pg 119, Global There the number << 65530 >> is not written in ISO format. It should be << 65 530 >>. The entire standard should be examined to assure that all numbers conform to ISO.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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506	G. Penoke	IBM	Technical PDF pg 183, pg 123, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace could.	OK	MMC4R03B
507	G. Penoke	IBM	PDF pg 183, pg 123, 5.3.1 Profile List Feature (0000h) , 6th paragraph under table 73 The statement << desirable. E.g. a DVD-ROM that could also read CD-ROM would list the DVD-ROM Profile first and the CD-ROM Profile second. >> should be << desirable. (e.g., a DVD-ROM that is able to also read a CD-ROM lists the DVD-ROM Profile first and the CD-ROM Profile second). >>	OK	MMC4R03B
508	G. Penoke	IBM	PDF pg 185, pg 125, 5.3.2 Core Feature (0001h) , Note This note contains nominate text. That has to be removed or the note made part of the main line text.	OK. Note in table was extraneous and removed. Note after table included a requirement that the previous sentence said was not possible. The requirement was removed.	MMC4R03B
509	G. Penoke	IBM	PDF pg 188, pg 128, Global When using the << i.e. >> it should be written as (i.e., text \	OK	MMC4R03B
510	G. Penoke	IBM	Technical PDF pg 188, pg 128, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
511	G. Penoke	IBM	Technical PDF pg 188, pg 128, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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512	G. Penoke	IBM	Technical PDF pg 190, pg 130, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
513	G. Penoke	IBM	Technical PDF pg 202, pg 142, 5.3.14 Hardware Defect Management Feature (0024h) , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
514	G. Penoke	IBM	Technical PDF pg 207, pg 147, 5.3.18 The MRW Feature (0028h) , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	In the 2 preceeding paragraphs, the requirements are specified according to general rules. The note is clarifying what that means specifically for MRW. No change is needed.	-
515	G. Penoke	IBM	PDF pg 213, pg 153, 5.3.20 DVD+RW Feature (002Ah) , Note This note contains normative requirements and therefore needs to be made part of the normative text.	OK	MMC4R03B
516	G. Penoke	IBM	Technical PDF pg 213, pg 153, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
517	G. Penoke	IBM	Technical PDF pg 213, pg 153, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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518	G. Penoke	IBM	Technical PDF pg 214, pg 154, 5.3.21 DVD+R Feature (002Bh) , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	The 2 preceeding paragraphs should reference the Persistent and Current definition sub-clauses as was done before. The note should then simply clarify what that means specifically for DVD+R. No change is needed.	-
519	G. Penoke	IBM	PDF pg 215, pg 155, 5.3.21 DVD+R Feature (002Bh) , Note This note contains normative requirements and therefore needs to be made part of the normative text.	OK	MMC4R03B
520	G. Penoke	IBM	Technical PDF pg 215, pg 155, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
521	G. Penoke	IBM	Technical PDF pg 215, pg 155, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
522	G. Penoke	IBM	Technical PDF pg 228, pg 168, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B
523	G. Penoke	IBM	Technical PDF pg 229, pg 169, Global The term << cannot >> needs to be removed from this standard and replaced with the appropriate term or terms.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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524	G. Penoke	IBM	<p>PDF pg 243, pg 183, 5.4 Profile Definitions , 1st paragraph The statement << If a Not Ready response would be given to a TEST UNIT READY command, no Profile shall be current. For example, a Logical Unit, with unformatted media, may not be able to read or write and the corresponding Features would not be current. >> should be << If device is not ready (i.e., a Not Ready response to a TEST UNIT READY command) no Profile shall be current (e.g., a Logical Unit, with unformatted media, may not be able to read or write and, therefore, the corresponding Features not current). >></p>	OK	MMC4R03B
525	G. Penoke	IBM	<p>PDF pg 244, pg 184, 5.4.2 Profile 1h: Non-Removable Disk , Table 176 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.</p>	OK.	MMC4R03B
526	G. Penoke	IBM	<p>PDF pg 244, pg 184, Global There appears to be several instances where a text font size other than 10 point is used. For example in table 176. All non-heading text should be 10 point except for notes which should be 9 point. This needs to be checked and corrected throughout this standard.</p>	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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527	G. Penoke	IBM	PDF pg 245, pg 185, 5.4.3 Profile 2h: Removable Disk , Table 178 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK. We were attempting to illustrate the decomposition of profiles to features and features to required commands and required mode pages. The table has been modified. If we had wished to make no change, we presume that the caption would need to change the caption to figure(?)	MMC4R03B
528	G. Penoke	IBM	PDF pg 246, pg 186, 5.4.4 Profile 3h: Magneto-Optical Erasable , Table 180 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
529	G. Penoke	IBM	PDF pg 247, pg 187, 5.4.5 Profile 4h: Optical Write Once , Table 182 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
530	G. Penoke	IBM	PDF pg 248, pg 188, 5.4.6 Profile 5h: AS-MO , Table 184 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
531	G. Penoke	IBM	PDF pg 249, pg 189, 5.4.7 Profile 8h: CD-ROM, Table 186 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
532	G. Penoke	IBM	PDF pg 250, pg 190, 5.4.8 Profile 9h: CD-R, Table 188 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B

T10 Letter Ballot Comments and MMC WG Responses

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533	G. Penoke	IBM	PDF pg 252, pg 192, 5.4.9 Profile Ah: CD-RW, Table 190 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
534	G. Penoke	IBM	PDF pg 253, pg 193, 5.4.10 Profile 10h: DVD-ROM , Table 192 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
535	G. Penoke	IBM	PDF pg 254, pg 194, 5.4.11 Profile 11h: DVD-R Sequential recording , Table 194 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
536	G. Penoke	IBM	PDF pg 255, pg 195, 5.4.12 Profile 12h: DVD-RAM, Table 196 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
537	G. Penoke	IBM	PDF pg 256, pg 196, 5.4.13 Profile 13h: DVD-RW Restricted Overwrite , Table 198 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
538	G. Penoke	IBM	PDF pg 257, pg 197, 5.4.14 Profile 14h: DVD-RW Sequential recording , Table 200 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B

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539	G. Penoke	IBM	PDF pg 258, pg 198, 5.4.15 Profile 1Ah: DVD+RW , Table 202 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
540	G. Penoke	IBM	PDF pg 259, pg 199, 5.4.16 Profile 1Bh: DVD+R, Table 204 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
541	G. Penoke	IBM	PDF pg 260, pg 200, 5.4.17 Profile 20h: DDCCD-ROM, Table 206 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
542	G. Penoke	IBM	PDF pg 261, pg 201, 5.4.18 Profile 21h: DDCCD-R, Table 208 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
543	G. Penoke	IBM	PDF pg 263, pg 203, 5.4.19 Profile 22h: DDCCD-RW , Table 210 There is no heading row and there is only one note reference called << c >>. Where are a and b? These need to be fixed.	OK	MMC4R03B
544	G. Penoke	IBM	PDF pg 265, pg 205, 6.1 Overview , Table 212 Several of the hex characters in this table are not capitalized. This needs to be fixed.	OK	MMC4R03A
545	G. Penoke	IBM	PDF pg 266, pg 206, 6.1 Overview , Table 213 Several of the hex characters in this table are not capitalized. This needs to be fixed.	OK	MMC4R03A

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546	G. Penoke	IBM	Technical PDF pg 267, pg 207, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
547	G. Penoke	IBM	Technical PDF pg 271, pg 211, 6.3.1.3 Track Number , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
548	G. Penoke	IBM	PDF pg 273, pg 213, 6.3.1.3 Track Number , Table 221 The statement << If upon completion of the closure, less than 65 ECC blocks would remain, the Logical Unit shall finalize the disc. >> should be << If upon completion of the closure, less than 65 ECC blocks remain, the Logical Unit shall finalize the disc. >>	OK (sort of). We are permitted to either close only or finalize only. We are not permitted do both. Consequently, the statement is very clear if "would" was a permitted word. ISO seems to permit "would"..	MMC4R03B
549	G. Penoke	IBM	Technical PDF pg 278, pg 218, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
550	G. Penoke	IBM	Technical PDF pg 280, pg 220, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
551	G. Penoke	IBM	Technical PDF pg 280, pg 220, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

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552	G. Penoke	IBM	PDF pg 283, pg 223, 6.5.2.3.1 Format Type = 00h (Full Format) , 1st paragraph The statement << Except as noted, the Number of Blocks >> should be << Except as specified, the Number of Blocks >>	OK	MMC4R03B
553	G. Penoke	IBM	Technical PDF pg 283, pg 223, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
554	G. Penoke	IBM	PDF pg 286, pg 226, 6.5.2.3.11 Format Types = 24h, (MRW Full Format) , Table 235 Both the notes should be replaced with a single note in a table footer. <<Note: In this case, the CD-MRW Defect Management & Physical Formatting Specification and the DVD+MRW Defect Management & Physical Formatting Specification require certification of the user area. >>.	OK	MMC4R03B
555	G. Penoke	IBM	PDF pg 286, pg 226, 6.5.2.3.12 Format Type = 26h, (DVD+RW Basic Format), Note: This note needs to be in it's own paragraph <<The amount of the lead-in initialized by Quick Start formatting is vendor specific. >>	OK	MMC4R03B
556	G. Penoke	IBM	Technical PDF pg 288, pg 228, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
557	G. Penoke	IBM	PDF pg 290, pg 230, 6.5.3.2.4 Writing During the Background Format Process, Table 238 The note needs to be in a table footer.	De-noted instead.	MMC4R03B

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558	G. Penoke	IBM	PDF pg 295, pg 235, 6.7.1.3 Allocation Length There is no such thing as an << Implementers Note: >> it's just a note as all notes are notes to implementers if they are more than that they should not be notes.	OK	MMC4R03B
559	G. Penoke	IBM	PDF pg 299, pg 239, 6.7.2.4 External Request Events , Note The note << This does not include the Load/Eject button. >> needs to be in its own paragraph.	OK	MMC4R03B
560	G. Penoke	IBM	Technical PDF pg 299, pg 239, Global All notes in main line text are required to have four characteristics: -They cannot contain any normative information -They are in their own paragraph -They are 9 point font -They are numbered Many (all) of the notes in this standard violate one more more of these rules. They all need to be fixed.	OK	MMC4R03B
561	G. Penoke	IBM	PDF pg 299, pg 239, 6.7.2.4 External Request Events , Table 260 The statement <<The Logical Unit has received a command from another Initiator that would require an action that may interfere with the Persistent Prevent owner's operation. >> should be << The Logical Unit has received a command from another Initiator that requires an action that may interfere with the Persistent Prevent owner's operation. >>	OK	MMC4R03B
562	G. Penoke	IBM	PDF pg 314, pg 254, 6.8.2.4 Write Speed (Type=03h), Note This note violates yet another rule as in is not in the correct font type.	OK	MMC4R03B

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563	G. Penoke	IBM	Technical PDF pg 317, pg 257, 6.9 INQUIRY Command The Inquiry command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
564	G. Penoke	IBM	PDF pg 326, pg 266, 6.11.2.1 Mechanism Status Parameter List , 5th paragraph under table 306 The statement << (e.g. for a 2 slot Logical Unit this value would be 8). >> should be << (e.g., for a 2 slot Logical Unit this value is 8). >>	OK	MMC4R03B
565	G. Penoke	IBM	Technical PDF pg 328, pg 268, 6.12 MODE SELECT (10) Command The Mode Select command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
566	G. Penoke	IBM	Technical PDF pg 330, pg 270, 6.13 MODE SENSE (10) Command The Mode Sense command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
567	G. Penoke	IBM	PDF pg 336, pg 276, 6.15.2 Command Execution Here are more of these Table F references with the unprintable characters.	OK	MMC4R03B

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568	G. Penoke	IBM	Technical PDF pg 341, pg 281, 6.18 PREVENT ALLOW MEDIUM REMOVAL Command The PREVENT ALLOW MEDIUM REMOVAL Command command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	PAMR is defined completely different in MMC. It is not part of the command description duplication discussion.	-
569	G. Penoke	IBM	Technical PDF pg 349, pg 289, 6.21 READ BUFFER Command The Read Buffer Command command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
570	G. Penoke	IBM	Technical PDF pg 355, pg 295, 6.22.2.2 Reporting Available Buffer in Blocks , Note: The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
571	G. Penoke	IBM	Technical PDF pg 365, pg 305, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
572	G. Penoke	IBM	PDF pg 367, pg 307, 6.24.2.2.3 Corrected and De-interleaved R-W Sub-channel, Implementers Note There is no such thing as an << Implementers Note: >> it's just a note as all notes are notes to implementers if they are more than that they should not be notes.	OK	MMC4R03B

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573	G. Penoke	IBM	Technical PDF pg 393, pg 333, 6.27.2.12 Format Code 0Bh: DVD-RAM Recording Type Information, Note: The note contains normative requirements. either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
574	G. Penoke	IBM	Technical PDF pg 406, pg 346, 6.27.2.22 Format Code FFh: DVD Structure List , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
575	G. Penoke	IBM	Technical PDF pg 410, pg 350, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
576	G. Penoke	IBM	Technical PDF pg 442, pg 382, Global The term << can't >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is not able to >> can be used to replace can't.	OK	MMC4R03B
577	G. Penoke	IBM	Technical PDF pg 442, pg 382, Global The term << can't >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is not able to >> can be used to replace can't.	OK	MMC4R03B

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578	G. Penoke	IBM	Technical PDF pg 442, pg 382, Global The term << can't >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is not able to >> can be used to replace can't.	OK	MMC4R03B
579	G. Penoke	IBM	Technical PDF pg 442, pg 382, Global The term << can't >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is not able to >> can be used to replace can't.	OK	MMC4R03B
580	G. Penoke	IBM	Technical PDF pg 445, pg 385, 6.31.2.7 Track Status: RT, Blank, Packet, and FP Bits , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
581	G. Penoke	IBM	Technical PDF pg 447, pg 387, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
582	G. Penoke	IBM	Technical PDF pg 458, pg 398, 6.34 REQUEST SENSE Command The Request Sense Command command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C

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583	G. Penoke	IBM	PDF pg 458, pg 398, 6.34.1 The CDB and Its Parameters The statement << the Initiator should assume that the bytes not transferred would have been zeros had the Logical Unit returned those bytes. >> is a pointless statement and should be deleted.	Per the above, this sub-clause is to be removed.	MMC4R03B
584	G. Penoke	IBM	PDF pg 460, pg 400, 6.34.2.6 Sense Key Here are more of these Table F references with the unprintable characters.	Per the above, this sub-clause is to be removed.	MMC4R03B
585	G. Penoke	IBM	PDF pg 461, pg 401, 6.34.2.8 Additional Sense Length The statement << available minus 7. For example, if 36 bytes of sense data were returned, then the value of this field would be 29. >> should be << minus 7 (e.g., if 36 bytes of sense data were returned, then the value of this field is set to 29). >>	Per the above, this sub-clause is to be removed.	MMC4R03B
586	G. Penoke	IBM	Technical PDF pg 464, pg 404, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
587	G. Penoke	IBM	Technical PDF pg 468, pg 408, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
588	G. Penoke	IBM	Technical PDF pg 484, pg 424, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
589	G. Penoke	IBM	Technical PDF pg 490, pg 430, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

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590	G. Penoke	IBM	Technical PDF pg 501, pg 441, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
591	G. Penoke	IBM	Technical PDF pg 505, pg 445, 6.47 SYNCHRONIZE CACHE Command , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK. Delete the note.	MMC4R03B
592	G. Penoke	IBM	Technical PDF pg 507, pg 447, TEST UNIT READY Command The Test Unit Ready Command command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
593	G. Penoke	IBM	Technical PDF pg 508, pg 448, 6.49 VERIFY (10) Command , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK. Delete the note.	MMC4R03B
594	G. Penoke	IBM	Technical PDF pg 510, pg 450, 6.50 WRITE (10) Command, Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
595	G. Penoke	IBM	Technical PDF pg 511, pg 451, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

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596	G. Penoke	IBM	Technical PDF pg 513, pg 453, Global The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
597	G. Penoke	IBM	Technical PDF pg 520, pg 460, WRITE BUFFER COMMAND The Write Buffer Command command is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
598	G. Penoke	IBM	PDF pg 525, pg 465, 7.1.2 Mode Pages , Note The note needs to be on a separate paragraph.	OK. Delete the note.	MMC4R03B
599	G. Penoke	IBM	PDF pg 528, pg 468, 7.2.4.4 Read Continuous (RC) , Implementers Note There is no such thing as an << Implementers Note: >> it's just a note as all notes are notes to implementers if they are more than that they should not be notes.	OK.	MMC4R03B
600	G. Penoke	IBM	Technical PDF pg 531, pg 471, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace could.	OK	MMC4R03B
601	G. Penoke	IBM	Technical PDF pg 533, pg 473, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace could.	OK	MMC4R03B

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602	G. Penoke	IBM	Technical PDF pg 545, pg 485, 7.7 Power Condition Page (Page Code 1Ah) The Power Control Page is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
603	G. Penoke	IBM	Technical PDF pg 547, pg 487, 7.8 Fault / Failure Reporting Control Page (Page Code 1Ch) The Fault / Failure Reporting Control Page is defined in the SPC-3 standard and should not be redefined in this standard. The only thing that should be here is a reference to the SPC-3 standard. Delete this section from this standard.	The entire command description will be replaced by references to SPC-3 plus specific differences for ATAPI.	MMC4R03C
604	G. Penoke	IBM	Technical PDF pg 555, pg 495, Global The term << would >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << may >> can be used to replace would.	OK	MMC4R03B
605	G. Penoke	IBM	PDF pg 555, pg 495, B.4.3 TARGET RESET task management function , Note The note needs to be in a separate paragraph.	OK	MMC4R03B
606	G. Penoke	IBM	PDF pg 567, pg 507, D.3 Descriptors The text between section D.3 and table D.4 in not readable. This needs to be fixed.	OK	MMC4R03B

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607	G. Penoke	IBM	Technical PDF pg 567, pg 507, D.3 Descriptors , Table d.4 The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>. However this is listed as a informative annex which cannot have requirements. The requirement implied by the must needs to be removed from this annex or the annex made normative. It could be changed to << Bit 7 is reserved and is set to one for historical reasons. >>.	OK	MMC4R03B
608	G. Penoke	IBM	Technical PDF pg 581, pg 521, E.3.1 Block Descriptors , Note The note contains normative requirements. Either the requirements have to be removed, the note deleted, or the text moved into the body.	OK	MMC4R03B
609	G. Penoke	IBM	PDF pg 581, pg 521, E.3.1 Block Descriptors , Table E.15 The number << 2448 >> should be << 2 448 >> to comply with ISO number format.	OK	MMC4R03B
610	G. Penoke	IBM	PDF pg 585, pg 525, E.3.3 MM Capabilities and Mechanical Status Page (Page Code 2Ah) , Implementers Note: There is no such thing as an << Implementers Note: >> it's just a note as all notes are notes to implementers if they are more than that they should not be notes.	OK	MMC4R03B
611	G. Penoke	IBM	Technical PDF pg 591, pg 531, F.3 Error Lists , Table F.4 The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B

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612	G. Penoke	IBM	Technical PDF pg 601, pg 541, F.3 Error Lists , Table F.10 The term << must >> cannot be used in this standard. In most cases it should be replaced with << shall >>.	OK	MMC4R03B
613	G. Penoke	IBM	Technical PDF pg 603, pg 543, Global The term << would >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace would.	OK	MMC4R03B
614	G. Penoke	IBM	Technical PDF pg 603, pg 543, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace could.	OK	MMC4R03B
615	G. Penoke	IBM	Technical PDF pg 603, pg 543, Global The term << would or would not>> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << may or may not >> can be used to replace would.	OK	MMC4R03B
616	G. Penoke	IBM	Technical PDF pg 603, pg 543, Global The term << would >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << may >> can be used to replace would.	OK	MMC4R03B

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617	G. Penoke	IBM	Technical PDF pg 603, pg 543, Global The term << would >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << may >> can be used to replace would.	OK	MMC4R03B
618	G. Penoke	IBM	Technical PDF pg 603, pg 543, Global The term << would >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << may >> can be used to replace would.	OK	MMC4R03B
619	G. Penoke	IBM	Technical PDF pg 604, pg 544, Global The term << would >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << may >> can be used to replace would.	OK	MMC4R03B
620	G. Penoke	IBM	Technical PDF pg 605, pg 545, H.2 Functional Behavior Guidelines The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B

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621	G. Penoke	IBM	<p>Technical PDF pg 605, pg 545, H.2 Functional Behavior Guidelines The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.</p>	OK	MMC4R03B
622	G. Penoke	IBM	<p>Technical PDF pg 605, pg 545, H.2 Functional Behavior Guidelines The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.</p>	OK	MMC4R03B
623	G. Penoke	IBM	<p>Technical PDF pg 605, pg 545, H.2 Functional Behavior Guidelines The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.</p>	OK	MMC4R03B

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624	G. Penoke	IBM	Technical PDF pg 605, pg 545, H.2 Functional Behavior Guidelines The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
625	G. Penoke	IBM	Technical PDF pg 607, pg 547, Annex I Power Management This annex is listed as informative yet it contains at least 34 shalls. For this annex to remain as informative all the requirements (i.e., shalls) have to be removed.	OK	MMC4R03B
626	G. Penoke	IBM	Technical PDF pg 615, pg 555, J.1.1 CD-MRW Structure The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
627	G. Penoke	IBM	Technical PDF pg 615, pg 555, J.1.1 CD-MRW Structure The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B

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628	G. Penoke	IBM	Technical PDF pg 625, pg 565, Global The term << could >> needs to be removed from this standard and replaced with the appropriate term or terms. Although not true in all cases the statement << is able to >> can be used to replace could.	OK	MMC4R03B
629	G. Penoke	IBM	Technical PDF pg 627, pg 567, 7.9.9.1.1 Case: Discovering Non-Blank Media which is not a MRW disc The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
630	G. Penoke	IBM	PDF pg 627, pg 567, J.1.4.4.1 Writing User Data to the Medium During Background Format The statement << But note: When reading >> should either be made into a note or the statement << But note: >> deleted.	OK	MMC4R03B
631	G. Penoke	IBM	PDF pg 628, pg 568, J.1.4.4.3 Early Eject The statement << Above, it was noted that the Initiator is in charge of when a BG format is restarted. >> Has no specified reference to were the term << above >> specifically refers to. It should have a specific subclause. Also the stated << it was noted >> should be deleted as this is not a note.	OK	MMC4R03B

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632	G. Penoke	IBM	Technical PDF pg 628, pg 568, J.1.4.4.3 Early Eject The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
633	G. Penoke	IBM	Technical PDF pg 630, pg 570, J.2.2 Addressing The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
634	G. Penoke	IBM	PDF pg 632, pg 572, J.2.3.2.1 Writing User Data to the Medium During Background Format , Note This note contains a requirement. The requirement needs to be removed or the note made normative text which.	OK	MMC4R03B
635	G. Penoke	IBM	Technical PDF pg 632, pg 572, J.2.3.2.1 Writing User Data to the Medium During Background Format The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B

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636	G. Penoke	IBM	Technical PDF pg 632, pg 572, J.2.3.2.3 Completing a Format The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
637	G. Penoke	IBM	PDF pg 632, pg 572, J.2.3.2.4 Early Eject The statement << Above, it was noted that the Initiator is in charge of when a >> Has no specified reference to were the term << above >> specifically refers to. It should have a specific subclause. Also the stated << it was noted >> should be deleted as this is not a note.	OK	MMC4R03B
638	G. Penoke	IBM	Technical PDF pg 632, pg 572, J.2.3.2.4 Early Eject The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B

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639	G. Penoke	IBM	Technical PDF pg 632, pg 572, J.2.3.2.4 Early Eject The term << must >> cannot be used in this standard. It cannot be replaced with a shall as that would be placing a requirement in an informative annex which is not allowed. The requirement needs to be removed, reworded as not being a requirement or the annex made normative.	OK	MMC4R03B
640	M. Evans	MAXTOR	There are seven commands described in detail in MMC-4 that are defined in SPC-3 (INQUIRY, MODE SELECT(10), MODE SENSE(10), READ BUFFER, REQUEST SENSE, TEST UNIT READY, and WRITE BUFFER). Such duplication can result in divergence in definition. As an example: MMC-3 defines byte 3 in the mandatory INQUIRY command as Reserved, whereas SPC-3 defines this byte as part of the Allocation Length field. It is appropriate to define command set-specific behavior for a particular command in a command set standard, but all duplication with SPC-3 should be removed from MMC-4.		MMC4R03B
641	P. Aloisi	TI	Table 90 51h Information is misspelled	OK	MMC4R03B