

**From: Bill McFerrin, MMC Chair and Editor**

**To: T10 Membership**

**Subject: Comments on MMC-4 from the NCITS Editors (5 pages)**

The following e-mail was received from Mr Harvey Rosenfeld, the NCITS editor assigned to MMC-4. My responses are interleaved in blue.

It is my belief that the questions and resolutions are only addressing editorial and word processing errors. I wish to request that the May 2005 plenary address this and recommend that NCITS accept these changes as non-substantial.

Thank you,

Bill McFerrin

Dear Mr. McFerrin: We have completed editing the manuscript of BSR INCITS 401, Information Technology - Multimedia Commands - 4 (MMC-4), and have some queries on the text. Please respond via e-mail as soon as possible. Once we receive your answers, we will begin production work on this standard and will prepare the PDF.

Here are your queries:

1) Two of the standards listed in 2.3 (References Under Development) have since been published. SBP-3 is designated ANSI INCITS 375-2004 and ATA/ATAPI-7 is designated as ANSI INCITS 397-2005. For accuracy, we would like to refer to these standards by their approved designations and move these listings to 2.2 (Approved References). Is this OK?

[Bill McFerrin] Yes, of course.

2) We need your help to clarify the first two sentences in the definition of GAA (General Application Area) (3.1.68).

a) The first sentence reads: "When a disc is formatted as an MRW disc, the GAA is a separately addressed LBA space." The word "When" in the first clause makes the clause conditional (meaning, in the reverse, when a disc is not formatted as an MRW disc, the GAA is not a separately addressed LBA space). Was this the intent of the sentence? If not, please rewrite the sentence to avoid the conditional clause.

b) The second sentence reads: "The GAA contains of the first 2 MB of user data storage in the program area." Are words missing in this sentence between the words "contains" and "of"? If not, we should delete the word "of" to clarify the sentence.

[Bill McFerrin] Consider the following replacement definition:

When a disc is formatted as a MRW disc, the GAA is a created as a separately addressed LBA space. The GAA contains the first 2 MB of user data storage in the program area. This area is not covered by any MRW defect management mechanism. The GAA is defined as a legacy link for CD devices that always view LBA = 0 as being assigned to 00:02:00.

- 3) In 4.4.5.3.1, the sentence that introduces Table 45 reads: "Table 37 shows the Data Allocation Area for DVD-R/RW." Should we change this cross-reference to "Table 45"?  
[Bill McFerrin] Yes, this is a reference error. You have suggested the proper correction.
- 4) In 4.4.6.2.3, the last sentence in part b) is actually a sentence fragment. It reads: "If all necessary writing". Please complete this sentence or delete this phrase.  
[Bill McFerrin] Deleting the sentence fragment is the best choice.
- 5) In 4.6.4.4, the tables are introduced with the following sentence: "Error codes to be reported and DBI update states in each case are defined in tables from Table 51 to Table 56." Should the range in this sentence be changed to "Table 54 to Table 59"?  
[Bill McFerrin] Yes, this is a reference error. You have suggested the proper correction.
- 6) The last sentence in the fourth-to-last paragraph of 4.6.4.4 reads: "The EMCDR field controls media certification and error reporting on particular commands as shown in Table 58 - Definition of PER bit and EMCDR field of Persistent-DM mode, and Table 59 - Definition of PER bit and EMCDR field of DRT-DM mode." Should these cross-references actually be "Table 61" and "Table 62", respectively? (Compare the titles of those tables with the titles mentioned in this cross-reference.)  
[Bill McFerrin] Yes, this is a reference error. You have suggested the proper correction.
- 7) In 5.3.17, the introduction to Table 119 reads: "The CD-RW CAV Write Feature descriptor response data to be returned to the Initiator is defined in Table 153." Should this cross-reference actually be "Table 119"?  
[Bill McFerrin] Yes, this is a reference error. You have suggested the proper correction.
- 8) In 5.3.18, the introduction to Table 122 reads: "Logical Units that support this feature shall implement the mode pages listed in Table 121." Should this cross-reference actually be "Table 122"?  
[Bill McFerrin] Yes, this is a reference error. You have suggested the proper correction.
- 9) In 5.3.19, the introductions to Tables 126 through 129 have incorrect cross-references. Please provide the correct cross-reference for all of the following:
- a) The cross-reference to **Table 115** before Table 126.  
[Bill McFerrin] The line above table 126 should be: Logical Units that support this feature shall implement the commands listed in Table 126.
- b) The cross-reference to **Table 116** before Table 127.  
[Bill McFerrin] The line above table 127 should be: Logical Units that support this feature shall implement the mode pages listed in Table 127.
- c) The cross-references to **Table 117** and **Table 115** before Table 128.  
[Bill McFerrin] The line above table 128 should be: Logical Units that support this feature and have DRT-DM capabilities shall implement the commands listed in Table 128 in addition to the commands listed in Table 126.
- d) The cross-references to **Table 118** and **Table 115** before Table 129.  
[Bill McFerrin] The line above table 129 should be: Logical Units that support this feature and if small DBI cache memory model is supported, shall implement the commands listed in Table 129 in addition to the commands listed in Table 126.

10) Three paragraphs above Table 165 in 5.3.35, there is a sentence that reads: "See 11.1.1, "Group 3 timeout for Real Time Stream recording/playback" on page 217." There is no subclause 11.1.1 on page 217, and I was unable to find a similar subclause in this standard. Should we delete this sentence? If not, please update the subclause and page cross-references.

[Bill McFerrin] The actual reference should be 4.1.8.5.

11) In Table 209 in 5.4.18, the "Command and Mode Pages" section alongside the "DDCD Read Feature" is blank. Is this correct? If not, please provide the missing text.

[Bill McFerrin] The missing text is: "READ CD command, READ TOC/PMA/ATIP command".

12) The first paragraph of 6.2.3 and 6.3.3 and the second paragraph of 6.4.3 read: "If the Logical Unit is unable to write to the currently mounted medium, error reporting should follow the guidelines according to 0." What cross-reference should replace the "0" in each case?

[Bill McFerrin] The correct reference in each case is: 4.1.6.3. See also 2nd paragraph of 6.4.3. The cure is the same.

13) The last sentence of 6.2.3 reads: "Ready polling is should be done by repetitively issuing the READ DISC INFORMATION command." Should we delete "is" or "should be" from this sentence?

[Bill McFerrin] Please delete the word "is".

14) The first sentence in the paragraph after Table 239 reads: "When Quick Start is zero, the format operation shall initialize to x prior to declaring the format command complete." What text or cross-reference should replace the "x" in this sentence?

[Bill McFerrin] The intended reference is "DVD+RW 4,7 Gbytes Basic Formats Specifications, Revision 1.2".

15) In 6.6.2.2, the first sentence in the second paragraph reads: "The Feature Descriptor(s) generic format returned is defined in **Error! Reference Source not found..**" What cross-reference should be placed here?

[Bill McFerrin] The correct reference is Table 74.

16) The paragraph after Table 254 reads: "Supported Event Classes field specifies the event classes that the Logical Unit supports. See Table 251." Table 251 deals with the Notification Class Request field definition and does not pertain to the Supported Event Classes field. Which cross-reference should replace "Table 251" in this sentence?

[Bill McFerrin] The two sentences are confusing and should be replaced with the following: "Supported Event Classes field specifies the event classes that the Logical Unit supports. If an Event Class is supported, the bit corresponding to the Event Class identified in table 251 is set to one.

17) The sentence that introduces Table 261 reads: "The Power Status field (Table 262) indicates the current power state of the Logical Unit." Should we change this cross-reference to "Table 261"?

[Bill McFerrin] Yes.

18) The sentence that introduces Table 269 reads: "When the Notification Class code in the Event Header is 101b, a Multiple Initiator Event Descriptor (Table 268) follows the header." Should we change this cross-reference to "Table 269"?

[Bill McFerrin] Yes.

19) The sentence that introduces Table 270 reads: "The Multi-Initiator Events are listed in Table 272." Should we change this cross-reference to "Table 270"?

[Bill McFerrin] Yes.

20) In 6.8.3.6, the sentence before Table 290 reads: "The result data shall be formatted as listed in Table 277." This cross-reference seems to be incorrect. Which table should be cross-referenced here?

[Bill McFerrin] The sentence should be changed to: "The result data shall be formatted as shown in Tables 290, 291, and 292."

21) In 6.8.3.6, the paragraph before Table 293 reads: "The Error Level Type field indicates the type of the error level of the defective blocks. See Table 280." Should we change this cross-reference to "Table 293"?

[Bill McFerrin] Yes.

22) In 6.8.3.7, there seems to be three incorrect cross-references:

a) The third paragraph refers to "Table 544". Is this cross-reference correct? If not, which table should be mentioned here?

[Bill McFerrin] The sentence should be changed to: "The result data shall be formatted as shown in Tables 552, 553, and 554."

b) The last sentence in the fourth paragraph refers to "Table 113 - Enhanced Defect Reporting Feature Descriptor". According to the list of figures in the table of contents, the table with that title is Table 124. Should we change this cross-reference to "Table 124"?

[Bill McFerrin] Yes.

c) The sixth paragraph refers to "Table 546 - DBI cache zone Descriptor(s)". According to the list of figures in the table of contents, the table with that title is Table 552. Should we change this cross-reference to "Table 552"?

[Bill McFerrin] Yes.

23) In Table 309 (and many other tables throughout the standard), Table F.2 is cross-referenced and is described as "CDB or parameter list validation errors". However, Table F.2 (on page 520) is actually titled "CDB or Parameter Validation Errors". For consistency, should we remove the extra word "List" from the cross-references in all of the tables, or should we just add the word "List" to the title of Table F.2?

[Bill McFerrin] The Table F.2 title is wrong. It should be "CDB or Parameter List Validation Errors".

24) In the text of 6.26.3.21 and in Table 366, there is a square "dingbat" next to the word "bytes", meaning that the printer or the software couldn't recognize the symbol that was there. What is the missing symbol? Is it a Greek letter, like a lowercase mu? (A similar problem occurs four times in the paragraphs after Table 431 in 6.29.3.4, once in the paragraph before Table 434 in 6.30.1.)

[Bill McFerrin] In 6.26.3.21 and in Table 366, the dingbat should be "k".

In 6.29.3.4, the "dingbat bytes dingbat" string should actually be "shown".

25) The sentence that introduces Table 385 reads: "The CPR\_MAI field definition is shown in Table 305." Should we change this cross-reference to "Table 385"?

[Bill McFerrin] Yes.

26) Please clarify the sentence just before Table 446. It currently reads: "All of the TOC Track Descriptors (Table 445) are further define in sub-clause found." (NOTE: We will change "define" to "defined".)

[Bill McFerrin] The text should be: "All of the TOC Track Descriptors (Table 445) are further defined in sub-clause 4.2.4.7."

27) The first sentence of the paragraph above Table 523 reads: "The format of the Timestamp field is structured as shown in Table 345." Should we change this cross-reference to "Table 523"?

[Bill McFerrin] Yes.

28) A computer glitch has corrupted some of the words in the sentence immediately after Table 525. What is the correct text of this sentence?

[Bill McFerrin] The text should be: "If the WDCB Password field is set to all FFh, then the disc is permanently write protected and further recording on the disc shall not be allowed. This includes formatting."

29) The sentence just before Table 552 in 6.44.3.3 reads: "Number of supported DBI cache zone is shown in Number of DBI cache zones field of Table 113 - Enhanced Defect Reporting Feature Descriptor." According to the list of tables, the table that has that title is Table 124. Should we change the cross-reference?

[Bill McFerrin] Yes.

30) The sentence that introduces Table 566 reads: "Recommended error reporting for SYNCHRONIZE CACHE command is defined in Table 581." Should we change this cross-reference to "Table 566"?

[Bill McFerrin] Yes.

31) The sentence that introduces Table 568 reads: "Recommended error reporting for TEST UNIT READY command is defined in Table 581." Should we change this cross-reference to "Table 568"?

[Bill McFerrin] Yes.

Please respond as soon as possible. When I receive your responses, I will begin the production cycle for this standard.

Thank you for your help.