

# **ENDL TEXAS**

Date: 29 October 2004  
To: T10 Technical Committee  
From: Ralph O. Weber  
Subject: Response to T10 Letter Ballot comments on SPC-3

This document contains the responses to the T10 Letter Ballot comments on forwarding SPC-3 to first public review. The summary of the T10 Letter Ballot results can be found in document T10/04-327.

All references to SPC-3 pages are based on spc3r21.pdf.

The number in square brackets at the end of each comment description counts all the comments presented in this document.

## **Revision History**

r0 All comments from T10/04-327r1 converted to comments resolution format. No resolution attempted for any comments.

## Resolution Summary

The lists of comments on the following pages may be used to locate comments with specific types of resolutions and each entry is a PDF hot link to the comment and resolution text. The PDF bookmarks may be used to locate comments based on their source company.

The following table summarizes numbers of comments with specific types of resolutions by source company.

Company	Unre-solved	Technical		Editorial		Rejected	Deferred or No Action Taken	Total
		As Is	Changed	As Is	Changed			
Brocade	36							36
Dell Inc.	77							77
ENDL Texas	18							18
Hewlett Packard Co.	599							599
IBM Corp.	502							502
Intel Corp.	1							1
LSI Logic Corp.	1							1
Maxtor Corp.	286							286
Quantum Corp.	32							32
Sun Microsystems	31							31
Veritas Software	27							27
Total	1610	0	0	0	0	0	0	1610

## Unprocessed Comments List

Brocade 1) No title assigned yet . . . . .	43
Brocade 2) No title assigned yet . . . . .	43
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Brocade 4) No title assigned yet . . . . .	43
Brocade 5) No title assigned yet . . . . .	44
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**Unprocessed Comments List (continued)**

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Veritas 25) No title assigned yet . . . . . 236  
Veritas 26) No title assigned yet . . . . . 236  
Veritas 27) No title assigned yet . . . . . 236

## **Unresolved Comments List**

## **Rejected Comments List**

**Comments With Implementation Deferred to SAM-4**

**Substantive Comments Accepted As Proposed**

**Substantive Comments Accepted With Noted Changes**

**Accepted As Proposed Non-Substantive Comments List**



**Accepted With Noted Changes Non-Substantive Comments List**

**No Action Requested, No Action Taken Comments List**

## 1. Brocade Communications

Bob Snively from Brocade Communications submitted the following comments on a Yes vote.

Brocade 1) No title assigned yet (Unprocessed) [1]  
Pg 2, Clause 1

Why do all these examples of SCSI structure have to be in these documents. I would expect them to be in SAM only, or perhaps in a separate white paper or TR. They are mostly not relevant to this particular document's content.

Proposed Solution:

Remove examples of interconnects, transport protocols, shared command sets, translation protocols, architecture models, and device-type command sets from this clause.

Brocade 2) No title assigned yet (Unprocessed) [2]  
The author marked this comment as technical.  
Pg 7, Clause 3.1.14

Byte is much more than just an 8-bit construct. It is structured in the context of memory boundaries.

Proposed Solution:

Change the definition to read: "A sequence of eight contiguous bits considered as a unit and aligned on character boundary"

Brocade 3) No title assigned yet (Unprocessed) [3]  
Pg 8, Clause 3.1.19

company\_id is a synonym for OUI, and later for IEEE Company\_ID.

Proposed Solution:

Choose one of these names (I would suggest OUI (Organizationally Unique Identifier) be the one you choose).

Brocade 4) No title assigned yet (Unprocessed) [4]  
Pg 9, Clause 3.1.44 and 3.1.103

If "SCSI initiator (target) port" and "initiator (target) port" are synonyms, just use one, preferably the shortest one. It is defined uniquely for this document in the glossary and need not be further qualified. If there is a compatibility issue with other documents that requires the longer one, use it instead in all places within this document. If there is a clarity problem, use a fixed name for such objects, like "SCSI\_initiator\_port".

Proposed Solution:

Choose the proper name and apply it at all points within the document instead of using synonyms.

Brocade 5) No title assigned yet (Unprocessed) [5]  
Pg 56, Clause 5.3

The first paragraph of clause 5.3 gives a permission and the second takes it away. I would suggest the rewording below.

Proposed Solution:

Change the clause to read:

"Each of the following commands may be processed by the task manager as if it has a task attribute of HEAD OF QUEUE (see SAM-3) if it is received with a SIMPLE task attribute or no task attribute:

- a) INQUIRY; and b) REPORT LUNS.

An application client should not send a command with the ORDERED task attribute if the command may be processed as if it has a task attribute of HEAD OF QUEUE because whether the ORDERED task attribute is honored is vendor specific.

Brocade 6) No title assigned yet (Unprocessed) [6]  
Pg 11, Clause 3.1.82

The term is obviously an obsolete term and has in fact been replaced throughout the document. In fact, it does not even turn up in Annex A.

Proposed Solution:

Delete Clause 3.1.82.

Brocade 7) No title assigned yet (Unprocessed) [7]  
Pg 11, Clause 3.1.85

The term is obviously an obsolete term and has in fact been replaced in all but two places in the document.

Proposed Solution:

Delete Clause 3.1.82

On page 98, clause 6.2.3, change "...and SCSI identifier information may..." to read "...and SCSI port identifier information may...".

Brocade 8) No title assigned yet (Unprocessed) [8]  
Pg 12, Clause 3.1.91

The definition of a page in the glossary in this single case does not appear to be justified. There is nothing special about this page that differentiates it from the many other pages in this document.

Proposed Solution:

Delete Clause 3.1.91.

Brocade 9) No title assigned yet (Unprocessed) [9]  
Pg 13, Clause 3.1.104

This clause kind of trips over itself.

Proposed Solution:

Either delete the glossary definition for this and 3.1.106, or alternatively rewrite to read:

"For a device supporting asymmetric logical unit access, the characteristic that specifies the performance properties of the target port and the sub-set of this command set the logical unit supports when accessed through this target port (see 5.3.2.1)."

Brocade 10) No title assigned yet (Unprocessed) [10]  
Pg 347, Clause 8.3.1.5.1.2

The use of the word "third-party" is incorrect in this clause.

Proposed Solution:

Change "... third-party..." to "... third party ...".

Brocade 11) No title assigned yet (Unprocessed) [11]  
Pg 13, Clause 3.1.111

The definition is inconsistent with the actual usage of the term in the document.

Proposed Solution:

Change "3.1.111 third-party: An EXTENDED COPY command issued to one SCSI device to perform a copy operation between two other SCSI devices." to read "3.1.111 third-party copy: A command issued to one SCSI device to perform a copy operation between two other SCSI devices. The EXTENDED COPY command has the option of performing the third-party copy function."

Also change 6.2.3 "Such validation shall occur only when the device server consults the alias list to resolve an alias to a designation in the context of third-party commands (e.g., EXTENDED COPY) or any other command that requires reference to the alias list." to read "Such validation shall occur only when the device server consults the alias list to resolve an alias to a designation in the context of a third-party copy command (e.g., EXTENDED COPY) or any other command that requires reference to the alias list."

As an alternative to the two changes above, you might instead define "third party" as "an operation requested of one logical unit to execute a series of operations causing information flow between two other logical units." That would be inclusive of all the uses of third-party in the document.

Brocade 12) No title assigned yet (Unprocessed) [12]

The author marked this comment as technical.  
Pg 211, Clause 6.23.2 and many others

"A service action valid (SERVACTV) bit set to zero indicates the operation code indicated by the OPERATION CODE field does not have service actions and the SERVICE ACTION field should be ignored." begs for the question what happens if you choose not to ignore the SERVICE ACTION field.

Proposed Solution:

Change the text "and the SERVICE ACTION field should be ignored" to read "and the SERVICE ACTION field shall be ignored"

Other clauses with the same problem are identifiable by a search on "be ignored" and include:

P 96, Clause 6.2.1

P 230, Clause 6.32

P 319, Clause 7.6.4.1

P 320, Clause 7.6.4.1 (2 places)

Brocade 13) No title assigned yet (Unprocessed) [13]

Pg 225, Clause 6.29

The phrase "is to be ignored" sounds to me like it should read "shall be ignored" in three places. Alternatively, a covering paragraph indicating that the I\_T\_L NEXUS TO SET field controls which fields in the SET PRIORITY parameter list shall be ignored.

Proposed Solution:

Change "is to be ignored" to "shall be ignored" in three places.

Brocade 14) No title assigned yet (Unprocessed) [14]

Numbered 13) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 15, Clause 3.3.2

The keyword definition "3.3.2 ignored: A keyword used to describe an unused bit, byte, word, field or code value. The contents or value of an ignored bit, byte, word, field or code value shall not be examined by the receiving SCSI device and may be set to any value by the transmitting SCSI device." is a bit flakey. I would recommend that a more intelligent setting of ignored fields would be to set them to zero, since future changes may later require them to not be ignored. In fact, in many of the cases the word "reserved" would have worked better than the word "ignored".

Proposed Solution:

Change the keyword definition to read: 3.3.2 ignored: A keyword used to describe a bit, byte, word, field or code value that has no meaning in the described context. The receiving SCSI device shall perform no actions that might be implied by the contents of an ignored bit, byte, word, field or code value. Bits, bytes, words, fields, or code values that are ignored should be set to zero."

Brocade 15) No title assigned yet (Unprocessed) [15]

The author marked this comment as technical.

Numbered 14) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 17, Clause 3.4

The words about lists need to be corrected. The lists do not necessarily talk about priorities, but rather about ordering relationships or the lack thereof.

Proposed Solution:

The text "Lists sequenced by letters (e.g., a-red, b-blue, c-green) show no priority relationship between the listed items. Numbered lists (e.g., 1-red, 2-blue, 3-green) show a priority ordering between the listed items." should be changed to read "Lists sequenced by letters (e.g., a-red, b-blue, c-green) show no ordering relationship between the listed items. Numbered lists (e.g., 1-red, 2-blue, 3-green) show an ordering relationship between the listed items."

Brocade 16) No title assigned yet (Unprocessed) [16]

Numbered 15) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 17, Clause 3.6.1

Minor editorial fixes:

Proposed Solution:

"contain specific encoded character" s/b "contain specific encoded characters".

"the same writing out" s/b "the same as writing out".

Brocade 17) No title assigned yet (Unprocessed) [17]

Numbered 16) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 20, Clause 4.3.1

There are conflicting definitions about how to handle reserved CDB code values. In the second paragraph, it is treated as an "INVALID FIELD IN CDB". In the third paragraph, because it is also invalid and/or not supported, it is treated as an "INVALID COMMAND OPERATION CODE".

Proposed Solution:

In the second paragraph of the clause, the text should be changed to read: "If a logical unit validates reserved CDB fields and receives a reserved field within the CDB that is not zero or receives a reserved code value in other than the OPERATION CODE field, then the logical unit shall terminate the command with CHECK CONDITION status, with the sense key set to ILLEGAL REQUEST, and the additional sense code set to INVALID FIELD IN CDB."

In the fourth paragraph of the clause, the text "that is invalid or not supported" should be changed to read "that is invalid, reserved, or not supported".

Brocade 18) No title assigned yet (Unprocessed) [18]

Numbered 17) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 25, Clause 4.3.4.1

"Command determinate" is not a meaningful expression.

Proposed Solution:

Change "may be modeled as a single, unique command determinate" to be "together constitute an operation code defining a command".

Brocade 19) No title assigned yet (Unprocessed) [19]

Numbered 18) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 26, Clause 4.3.4.1

Last paragraph is a bit strange.

Proposed Solution:

Rewrite last paragraph to read:

"The OPERATION CODE field value for commands defined in SPC-3 has the same meaning for all SCSI device types. The OPERATION CODE field is interpreted as a command for all SCSI devices, though OPERATION CODE field values other than those specified in SPC-3 may cause the execution of different functions for each type of device."

Brocade 20) No title assigned yet (Unprocessed) [20]

The author marked this comment as technical.  
Numbered 19) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 27, Clause 4.3.4.5 and Clause 4.3.4.6

A parameter length of zero is an error for PERSISTENT RESERVE OUT and probably for some other commands. This clause says it never is.

Proposed Solution:

Change "This condition shall not be considered an error" to read "This condition shall not be considered an error unless an error code is specified in the corresponding command definition."

A similar change needs to be made to the third sentence of 4.3.4.6.

Brocade 21) No title assigned yet (Unprocessed) [21]

The author marked this comment as technical.  
Numbered 20) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 27, Clause 4.4.1

Do you really mean ASCII graphic codes? I believe these are called ASCII printable character codes. The graphic codes are those above 80, sometimes called extended ASCII.

Proposed Solution:

Make suggested change.



Better, for docs going ISO, to refer to the printable characters with codes from 20h to 7Fh of ISO Latin 1 (ISO 8859-1). There is also a Unicode equivalent, but I have not looked it up.

Brocade 22) No title assigned yet (Unprocessed) [22]

The author marked this comment as technical.

Numbered 21) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 138, Clause 6.4.1

If the EVPD bit is zero, the page code value presently has no meaning. However, the PAGE CODE field is required to be checked for zero and an error posted if it is not zero, even though it is explicitly labeled as invalid.

Proposed Solution:

Change the text in the third paragraph to read in total:

"If the EVPD bit is set to zero, the PAGE CODE field shall be ignored and the device server shall return the standard INQUIRY data (see 6.4.2)."

Brocade 23) No title assigned yet (Unprocessed) [23]

The author marked this comment as technical.

Numbered 22) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 138, Clause 6.4.1

The eighth paragraph in the clause indicates that some actions and device information may not be available until the logical unit has completed its self initialization. However, the paragraph opens far too big a window. Every logical unit knows its own device type and can fill in all but the product revision and perhaps some version descriptor information in the standard INQUIRY data format.

For the vital product data pages, less information may be available. I believe that the proper way to handle this is for the standard inquiry data to be available except for explicitly excepted values from first accessibility of the device. For vital product data pages that are not yet available but will become available, the proper response should be a NOT READY sense key with a LOGICAL UNIT IS IN PROCESS OF BECOMING READY for ASC/ASCQ.

Proposed Solution:

Rewrite the seventh, eighth, and ninth paragraphs of the clause to read:

"The standard INQUIRY data should be returned even though the device server is not ready for other commands. The standard INQUIRY data should be available without incurring any media access delays. If the device server does store some of the standard INQUIRY data on the media, it may return zeros or ASCII spaces (20h) in those fields until the data is available from the media. Fields that shall always be available include: PERIPHERAL DEVICE TYPE RMB NORMAL ACA SUPPORTED HISUP RESPONSE DATA FORMAT MULTI PORT BIT VENDOR IDENTIFICATION PRODUCT IDENTIFICATION

If the EVPD bit is set to one and vital product data is not yet available, the logical unit may return CHECK CONDITION status with sense key of NOT READY and an ASC/ASCQ of LOGICAL UNIT IS IN PROCESS OF BECOMING READY.

The INQUIRY data may change as the SCSI target device and its logical units perform their initialization sequence. (E.g., logical units may provide limited information from nonvolatile memory until they load the final firmware from the media. After the firmware has been loaded, more options may be supported and therefore different INQUIRY data may be returned.)

If the INQUIRY data changes for any reason, the device server shall generate a unit attention condition for all initiator ports (see SAM-3), with the additional sense code set to INQUIRY DATA HAS CHANGED."

Somewhere in the text, permission should be given for all commands other than INQUIRY to return NOT READY status if initialization is incomplete. The commands should not be rejected with an indication that the command is unsupported, as was essentially implied by paragraph eight.

Brocade 24) No title assigned yet (Unprocessed) [24]

The author marked this comment as technical.

Numbered 23) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 157, Clause 6.7 and 6.8

The third sentence says that application clients should issue MODE SENSE before issuing MODE SELECT. Since there are many ways to achieve those goals, including knowledge of the particular device or a long ago MODE SENSE to find the proper parameters, I believe this should be a "may" condition.

Proposed Solution:

In clause 6.7, change "Application clients should issue MODE SENSE..." to "Application clients may issue MODE SENSE..."

The corresponding change needs to be made in clause 6.8.

Brocade 25) No title assigned yet (Unprocessed) [25]

Numbered 24) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 158, Clause 6.7

Editorial.

Proposed Solution:

"a unsupported" s/b "an unsupported". "value and terminate the command" s/b "value and terminating the command".

Brocade 26) No title assigned yet (Unprocessed) [26]

The author marked this comment as technical.

Numbered 25) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.  
Pg 158, Clause 6.7

In item e) under error conditions, non-zero reserved fields are mandated to cause an error. In clause 3.3.9, it is indicated that while they "shall" be set to zero, it is not required that they be checked for zero. Clause 6.7 should be changed to reflect that.

Proposed Solution:

Item e) identified above should be deleted.

Brocade 27) No title assigned yet (Unprocessed) [27]

The author marked this comment as technical.

Numbered 26) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 160, Clause 6.9.1

There are some "shoulds" in describing the PC field that should be "shalls".

Proposed Solution:

The paragraph after Table 96 should be rewritten as follows:

"The PC field only affects the mode parameters within the mode pages, however the PS bit, PAGE CODE and PAGE LENGTH fields shall return current values since they have no meaning when used with other types. The mode parameter header and mode parameter block descriptor shall return current values."

Brocade 28) No title assigned yet (Unprocessed) [28]

The author marked this comment as technical.

Numbered 27) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 162, Clause 9.6.9

The paragraph in C does not appear to be correct. The two cases described above are not relevant to the case.

Proposed Solution:

Rewrite case c as follows:

"c) If current values are requested and the current values of the mode parameters have not been sent by the application client via a MODE SELECT command, the device server shall return the saved values, if saving is implemented. If saving is not implemented, the default values shall be sent. See 6.7. If current values have been sent, the current values shall be reported."

Brocade 29) No title assigned yet (Unprocessed) [29]

The author marked this comment as technical.

Numbered 28) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 193, Clause 6.17.2

Table 136 appears to be misusing IEC 60027:2000. See <http://physics.nist.gov/cuu/Units/binary.html> for clarifying text. I will make the assumption here that ALL the counts being multiplied are in bytes. If not, the word "byte" should be dropped where appropriate.

Proposed Solution:

Rewrite the table as follows:

The headers should read:

Value/Multiplier name/Multiplier abbreviation/Multiplier to convert TRANSFER COUNT field to bytes.

Then a typical row should read:

01h/kibiBytes (or kilobinary Bytes)/KiBytes/2\*\*10

By the way, this should probably be moved to clause 3.4, since there are a number of places it should be used.

Brocade 30) No title assigned yet (Unprocessed) [30]

The author marked this comment as technical.

Numbered 29) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 214, Clause 6.24

Aren't these task management functions in varying degrees mandatory for target devices to support?

I would have expected that ABORT TASK, ABORT TASK SET, CLEAR TASK SET, and LOGICAL UNIT RESET would be mandatory and therefore would not have to have this bit defined. CLEAR ACA could conceivably be unsupported if the ACA function were not supported. Similar QUERY TASK and WAKEUP may be optional. TARGET RESET is a bit strange, since it is only allowed in pre-SAM-3 devices, which do not support SPC-3.

Proposed Solution:

Place the statement "SPC-3 compliant devices shall have this bit set to one." at the end of the ABORT TASK, ABORT TASK SET, CLEAR TASK SET, and LOGICAL UNIT RESET descriptive paragraphs.

Brocade 31) No title assigned yet (Unprocessed) [31]

The author marked this comment as technical.

Numbered 30) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 229, Clause 6.32

The third sentence says that application clients should issue READ ATTRIBUTE before issuing WRITE ATTRIBUTE. I believe this should be a "may" condition. It is no more painful to fail a write command than a read command with a check condition, and command not supported is perfectly valid for either.

Proposed Solution:

In clause 6.32, change "Application clients should issue READ ATTRIBUTE..." to "Application clients may issue READ ATTRIBUTE..."

Brocade 32) No title assigned yet (Unprocessed) [32]

The author marked this comment as technical.

Numbered 31) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 234, and 235, Clause 6.33.7 and 6.33.8

It appears that the last of a series of download with offset must be a download with offset and save, but that it is not necessary that any of the others be that. I believe an appropriate explicit (rather than implicit) indication is necessary for that in clause 6.33.7, probably as part of the second paragraph on page 234.

Proposed Solution:

Rewrite the paragraph to read:

The downloaded microcode or control information may be sent using several commands. The last of the commands shall use the "download microcode with offsets and save" mode. The first and intermediate download operations may use either the mode 06h or 07h. When the logical unit detects that the last download microcode with offsets and save mode WRITE BUFFER command has been received, the device server shall perform any logical unit required verification of the complete set of downloaded microcode or control information prior to returning GOOD status for the last command. After the last command completes successfully the device server shall generate a unit attention condition (see SAM-3) for the initiator port associated with all I\_T nexuses except the I\_T nexus on which the set of WRITE BUFFER commands was received, with the additional sense code set to MICROCODE HAS BEEN CHANGED.

Brocade 33) No title assigned yet (Unprocessed) [33]

The author marked this comment as technical.

Numbered 32) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

P 266-267, Table 224 and

This first struck my eye on page 266, but I expect that it occurs in other locations as well. The use of MBytes is incorrect in table 224. These are actually MiBytes.

This problem shows up in another form on page 269, where extraordinary circumlocutions are used to say the same thing.

Proposed Solution:

Do a generic search of the value "MBytes" or "megabytes" throughout the document and correct them if necessary to MiBytes or mebiBytes. All instances appear to be either in Table 224 or in clauses 7.3.2.2.6 and 7.3.2.2.7 supporting that table.

Do a generic search for "576" and replace the wording with the corresponding mebiByte or MiByte statement. As an example, change the text of 7.3.2.2.8, page 269 from:

"The PREVIOUS AMOUNT OF DATA READ field indicates the amount of data read from the medium during the previous load of the medium. This value is expressed in increments of 1 048 576 bytes (e.g., a value of one means 1 048 576 bytes and a value of two means 2 097 152 bytes)."

to:

"The PREVIOUS AMOUNT OF DATA READ field indicates the amount of data read from the medium during the previous load of the medium in MiBytes."

It is for this reason that the table described in problem 28 should be included in clause 3.4.

Brocade 34) No title assigned yet (Unprocessed) [34]

Numbered 33) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Many pages, many clauses

The word "subpage" (or sub\_page) is suspect. In most of these cases, it actually is treated more as an extension of the page code to access totally different information than as a sub-division of the page code to access multiple planes of the same information as the primary page code.

Proposed Solution:

Change "subpage" or "sub\_page" in all locations to "page code extension".

Brocade 35) No title assigned yet (Unprocessed) [35]

The author marked this comment as technical.

Numbered 34) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 288, Clauses 7.4.9

Where are the sub-page codes for all devices kept? If not in this document, there must be a registry for them.

Proposed Solution:

Either create a registry for Extended mode page codes, specify that the codes will be defined in future revisions of SPC, or delete clause 7.4.9 until such pages are defined in a future revision of SPC.

Brocade 36) No title assigned yet (Unprocessed) [36]

The author marked this comment as technical.

Numbered 35) in 04-327r1. There are two Brocade comments numbered 13 in 04-327r1.

Pg 296, Clause 7.5.1

Should we be picking up parameters for the two iSCSI variants being processed in IETF now?

Should we be separating out the RDMA over IB from the RDMA over VI?

Proposed Solution:

Determine the proper formal names for the two variants, I believe "DA" is a collective term for data mover based iSCSI and iSER is one particular form that uses the RDMA capability of RDDP. Seems to me I heard about a second form that applies the data mover not just to data, but also to commands and parameters. Therefore at least a variant called Internet SCSI with RDDP data mover (iSER) should be specified.

## 2. Dell Inc.

Kevin Marks from Dell Inc. submitted the following comments on a Yes vote.

**Note:** The page numbers in 04-327r1 are described as PDF page numbers. However, the page numbers are really the page numbers printed at the bottom of the page. Therefore, "PDF Page" has been changed to "Page" in this document.

Dell 1) No title assigned yet (Unprocessed) [37]  
Page i, Global

Many instances through out the draft of "SCSI protocol" should be changed to "SCSI transport protocol" especially if they reference SAM-3.

Dell 2) No title assigned yet (Unprocessed) [38]  
Page vii, Introduction

"standards. See 3.1.11 for" ... 3.1.11 does not seem to reference information about other SCSI command standards. Should this be 3.1.18?

Dell 3) No title assigned yet (Unprocessed) [39]  
Page 2, Figure 1 - Figure 1 - SCSI document relationships

Change "SCSI Protocols" to "SCSI Transport Protocols" to match SAM-3

Dell 4) No title assigned yet (Unprocessed) [40]  
Page 6, 2.3 References under development

Add SAS-1.1?

Dell 5) No title assigned yet (Unprocessed) [41]  
Page 9, 3.1.42 Idle condition:

...in the active condition because it may have to activate some circuitry. Remove "because it may have to activate some circuitry"

Dell 6) No title assigned yet (Unprocessed) [42]  
Page 11, 3.1.74 protocol specific

Change "SCSI protocol standard" to "SCSI transport protocol standard"

Dell 7) No title assigned yet (Unprocessed) [43]  
Page 11, 3.1.75 protocol standard:

Change "SCSI protocol" to "SCSI transport protocol"

Dell 8) No title assigned yet (Unprocessed) [44]  
Page 20, 4.3.1 CDB usage and structure,

3rd paragraph, 1st sentence change "...is not zero or.." to "...is non-zero or..."

Dell 9) No title assigned yet (Unprocessed) [45]  
Page 26, Table 10 - Group Code values - Note a

Change "The format the commands using the group code 011b" to "The format of the commands using the group code 011b"

Dell 10) No title assigned yet (Unprocessed) [46]  
Page 29, 4.5.2.1 Descriptor format sense data overview.

response code should be SMALL CAPS in the first paragraph after Table 12.

Dell 11) No title assigned yet (Unprocessed) [47]  
Page 32, 4.5.2.3 Command-specific information sense data descriptor, Last paragraph

... see SBC-2 for MEDIUM SCAN and REASSIGN BLOCKS commands, ... MEDIUM SCAN command is obsolete in SBC-2

Dell 12) No title assigned yet (Unprocessed) [48]  
Page 37, 4.5.3 Fixed format sense data

Remove 3rd paragraph after Table 26 "The obsolete byte 1 contained information used by the COPY command." Byte was also obsolete in SPC-2 or change sentence to "The obsolete byte 1 was defined in a previous standard"

Dell 13) No title assigned yet (Unprocessed) [49]  
Page 56, 5.3 Implicit head of queue

change "if it is received with a SIMPLE task attribute, an ORDERED task attribute, or no task attribute:" to "if it is received with a SIMPLE task attribute or an ORDERED task attribute:" Based on SAM-3 each task must have a task attribute.

Dell 14) No title assigned yet (Unprocessed) [50]  
Page 82, 5.8.2.2 Explicit and implicit asymmetric logical unit access, 3rd Paragraph after Figure 4

Change "If both explicit and implicit asymmetric logical unit access are implemented, the precedence of one over the other is vendor specific." to "If both explicit and implicit asymmetric logical unit access management methods are implemented, the precedence of one over the other is vendor specific."

Dell 15) No title assigned yet (Unprocessed) [51]  
Page 94, Table 42 - Commands for all device types (part 2 of 2)

Change "REQUEST SENSE 03h C 6.26" with "REQUEST SENSE 03h M 6.26" per section 5.2

Dell 16) No title assigned yet (Unprocessed) [52]  
Page 140, Table 47 - Peripheral qualifier

Change "1xxb Vendor specific" with "100b - 111b Vendor specific" xx by definition means not relevant. These are vendor specific and different values are relevant, they are not don't cares.

Dell 17) No title assigned yet (Unprocessed) [53]  
Page 142, 3rd Paragraph after Table 83.

Remove "The BQUE bit combines with the CMDQUE bit to indicate whether the logical unit supports the full task management model or the basic task management model as described in table 84." Roughly same sentence above Table 84.



Dell 18) No title assigned yet (Unprocessed) [54]  
Page 160, Table 95 - Byte 0

Operation code should be in SMALL CAPS

Dell 19) No title assigned yet (Unprocessed) [55]  
Page 185, Table 125 - READ BUFFER MODE Field

Since all of the MODES are optional, why is this Implementation requirements column even shown?

Dell 20) No title assigned yet (Unprocessed) [56]  
Page 188, 6.15.7 Echo buffer descriptor mode (0Bh) section

Does not specify the BUFFER ID field. Reserved or ignored?

Dell 21) No title assigned yet (Unprocessed) [57]  
Page 209, In Table 152 - REPORT SUPPORTED OPERATION CODES command

Why is the REQUESTED SERVICE ACTION field 2 bytes long?

Dell 22) No title assigned yet (Unprocessed) [58]  
Page 211, In Table 155 - Command descriptor format

Why is the SERVICE ACTION field 2 bytes long?

Dell 23) No title assigned yet (Unprocessed) [59]  
Page 214, Table 159 - REPORT SUPPORTED TASK MANAGEMENT

Byte 0, Bit 1 - TRS bit - should be Reserved since SAM-3 Obsoletes TARGET RESET task management function and SPC-3 is the first standard to define the REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command.

Dell 24) No title assigned yet (Unprocessed) [60]  
Page 214, Table 159 - REPORT SUPPORTED TASK MANAGEMENT

Byte 0, Bit 1 - WAKES bit - should be Reserved since SAM-3 Obsoletes WAKEUP task management function and SPC-3 is the first standard to define the REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command .

Dell 25) No title assigned yet (Unprocessed) [61]  
Page 214, 7th paragraph after Table 159 - REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS

parameter data remove "A TARGET RESET supported (TRS) bit set to one indicates the TARGET RESET task management function (see SAM-3) is supported by the logical unit. An TRS bit set to zero indicates the TARGET RESET task management function is not supported." Since SAM-3 Obsoleted TARGET RESET task management function.

Dell 26) No title assigned yet (Unprocessed) [62]  
Page 214, 8th paragraph after Table 159 - REPORT SUPPORTED TASK MANAGEMENT

remove "A WAKEUP supported (WAKES) bit set to one indicates the WAKEUP task management function is supported by the logical unit. An WAKES bit set to zero indicates the WAKEUP task management function is not supported.." Since SAM-3 Obsoleted WAKEUP task management function.

Dell 27) No title assigned yet (Unprocessed) [63]

Page 215, 6.25 REPORT TARGET PORT GROUPS command, 1st paragraph, last sentence

"(i.e. , return a non zero value in the TPGS field). non zero needs a dash - non-zero.

Dell 28) No title assigned yet (Unprocessed) [64]

Page 216, Table 162 - Target port group descriptor format

Byte 6 - says Vendor unique and also in several other locations in the standard. There is no definition for Vendor unique, only Vendor Specific.

Dell 29) No title assigned yet (Unprocessed) [65]

Page 216, Table 162 - Target port group descriptor format

Byte 7 -"TARGET PORT COUNT (x)" What is the reasoning for the (x), remove?

Dell 30) No title assigned yet (Unprocessed) [66]

Page 217, 1st paragraph, 2nd sentence after Table 163 - Asymmetric access state

"If the U\_SUP bit, S\_SUP bit, AN\_SUP bit, or AO\_SUP bit are all set to zero, the bits are reserved as defined by previous versions of this standard." or should be an and. Also, since this command is new to SPC-3, how can it be reserved as defined by previous versions of this standard?

Dell 31) No title assigned yet (Unprocessed) [67]

Page 224, Table 173 - SET PRIORITY parameter list format

Byte 2-3 RELATIVE TARGET PORT IDENTIFIER Global - Throughout the standard, RELATIVE TARGET PORT IDENTIFIER and RELATIVE TARGET PORT are used. Some commands/parameter lists use IDENTIFIER some do not. Need to select one throughout standard.

Dell 32) No title assigned yet (Unprocessed) [68]

Page 227, Table 177 - Asymmetric access state

Value - Fh Illegal Request

Fh should be Reserved

4h-Fh Reserved What does it mean to set the Asymmetric access state to

Illegal Request

Dell 33) No title assigned yet (Unprocessed) [69]

Page 232, Note 39 after Table 183 - WRITE BUFFER MODE field

Change "39 Modes 00h and 0 001h are not recommended." to "39 Modes 00h and 01h are not recommended."

Dell 34) No title assigned yet (Unprocessed) [70]

Page 232, Table 183 - WRITE BUFFER MODE field

Since all of the MODES are optional, why is this implementation requirements column even shown?

Dell 35) No title assigned yet (Unprocessed) [71]  
Page 232, Sentence before Table 183 - WRITE BUFFER MODE field

Change "The MODE field is defined in table 77." to "The MODE field is defined in table 183."

Dell 36) No title assigned yet (Unprocessed) [72]  
Page 243, Table 191 - Log page format

Shouldn't the PAGE CODE (Byte 0) be 6 bits, i.e. bits 6 and 7 reserved, as the LOG SENSE - PAGE CODE field is only 6 bits. If correct, this would apply to all the defined Log pages in 7.2.x. Otherwise Table 194 u Log page codes needs 40h - FFh Reserved.

Dell 37) No title assigned yet (Unprocessed) [73]  
Page 247, Table 194 - Log page codes

3Fh Reserved

Annex D - Table D.11 - Log Page Codes shows 3Fh as vendor specific.

Dell 38) No title assigned yet (Unprocessed) [74]  
Page 255, 1st Paragraph after Table 209 - Protocol specific port log parameter format

change "relative port identifier" to "relative target port identifier"

Dell 39) No title assigned yet (Unprocessed) [75]  
Page 275, 1st sentence in 7.4.2 Mode parameter list format

change "table 91" to "table 232"

Dell 40) No title assigned yet (Unprocessed) [76]  
Page 282, Last sentence prior to Table 242 - Queue error management (QERR) field

Change " If the TST field equals 001b, then only tasks from the initiator port as the task that is terminated with CHECK CONDITION status are affected." to "If the TST field equals 001b, then only tasks from the initiator port of the task that is terminated with CHECK CONDITION status are affected."

Dell 41) No title assigned yet (Unprocessed) [77]  
Page 284, 7.4.7 Control Extension mode page

1st sentence: Change "(see table 239)" to "(see table 245)"

Dell 42) No title assigned yet (Unprocessed) [78]  
Page 286, 7.4.8 Disconnect-Reconnect mode page

4th Paragraph after table 246. Change "If a parameter that is not appropriate for the specific SCSI protocol implemented by the target port is non-zero, ...." to "If a parameter that is not appropriate for the specific SCSI transport protocol implemented by the target port is non-zero, ...."

Dell 43) No title assigned yet (Unprocessed) [79]  
Page 286, 7.4.8 Disconnect-Reconnect mode page

Next Paragraph after NOTE 53, 2nd Sentence. Change "applicable SCSI protocol." to "applicable SCSI transport protocol."

Dell 44) No title assigned yet (Unprocessed) [80]  
Page 286, 7.4.8 Disconnect-Reconnect mode page

2nd Paragraph after NOTE 53, Last Sentence. Change "Different SCSI protocol." to "Different SCSI transport protocol."

Dell 45) No title assigned yet (Unprocessed) [81]  
Page 286, 7.4.8 Disconnect-Reconnect mode page

3rd Paragraph after NOTE 53, 2nd Sentence. Change "applicable SCSI protocol." to "applicable SCSI transport protocol."

Dell 46) No title assigned yet (Unprocessed) [82]  
Page 287, 7.4.8 Disconnect-Reconnect mode page

4th Paragraph after NOTE 53, 2nd Sentence. Change "individual SCSI protocol standards." to "individual SCSI transport protocol standards."

Dell 47) No title assigned yet (Unprocessed) [83]  
Page 287, 7.4.8 Disconnect-Reconnect mode page

5th Paragraph after NOTE 53, 1st Sentence. Change "SCSI protocol services." to "SCSI transport protocol services."

Dell 48) No title assigned yet (Unprocessed) [84]  
Page 287, 7.4.8 Disconnect-Reconnect mode page

7th Paragraph after NOTE 53, 2nd Sentence. Change "individual SCSI protocol standards." to "individual SCSI transport protocol standards."

Dell 49) No title assigned yet (Unprocessed) [85]  
Page 287, 7.4.8 Disconnect-Reconnect mode page

8th Paragraph after NOTE 53, 2nd Sentence. Change "applicable SCSI protocol," to "applicable SCSI transport protocol,"

Dell 50) No title assigned yet (Unprocessed) [86]  
Page 287, 7.4.8 Disconnect-Reconnect mode page

2nd Paragraph after table 247, 1st Sentence. Change "SCSI protocol services." to "SCSI transport protocol services."

Dell 51) No title assigned yet (Unprocessed) [87]  
Page 294, 7.4.14 Protocol Specific Port mode page

1st Paragraph, Last Sentence before Table 254 Change "SCSI protocol standard" to "SCSI transport protocol standard"

Dell 52) No title assigned yet (Unprocessed) [88]  
Page 296, 7.5.1 Protocol specific parameters introduction

2nd paragraph, 1st Sentence Change "SCSI protocol" to "SCSI transport protocol"

Dell 53) No title assigned yet (Unprocessed) [89]  
Page 296, 7.5.2.1 Introduction to alias entry protocol specific designations

1st Paragraph, 1st Sentence Change "SCSI protocol" to "SCSI transport protocol"

Dell 54) No title assigned yet (Unprocessed) [90]  
Page 296, 7.5.2.1 Introduction to alias entry protocol specific designations

1st Paragraph, 2nd Sentence Change "SCSI protocol" to "SCSI transport protocol"

Dell 55) No title assigned yet (Unprocessed) [91]  
Page 320, Sentence before Table 292 - Association

Change "other path." to "SCSI target port to which the logical unit is accessible"

Dell 56) No title assigned yet (Unprocessed) [92]  
Page 320, Table 292 - Association

Shouldn't the values under Value be in binary, as the field is only 2 bits. All other fields below a nibble are expressed in binary. This would change the text in most of the text in section 7.6 for Association from 0xh to binary values and W-LUN Access Controls.

Dell 57) No title assigned yet (Unprocessed) [93]  
Page 322, Table 296 - EUI-64 based identifier lengths

Identifier Length is only a byte, remove the 2 leading zeros (00)

Dell 58) No title assigned yet (Unprocessed) [94]  
Page 322, 7.6.4.4.2 EUI-64 identifier format

1st Sentence Change "0008h," to "08h,"

Dell 59) No title assigned yet (Unprocessed) [95]  
Page 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format

1st Sentence Change "000Ch," to "0Ch,"

Dell 60) No title assigned yet (Unprocessed) [96]  
Page 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format

1st Sentence Change "0010h," to "10h,"

Dell 61) No title assigned yet (Unprocessed) [97]  
Page 324, 7.6.4.5.2 NAA IEEE Extended identifier format, 2nd Sentence  
04-327r1 does not contain a Dell #61 comment. However, the text in this comment is appended to comment Dell #60, but also looks as if it should be comment Dell #61.

Change "8h." to "08h."

Dell 62) No title assigned yet (Unprocessed) [98]  
Page 325, 7.6.4.5.3 NAA IEEE Registered identifier format

2nd Sentence Change "8h." to "08h."

Dell 63) No title assigned yet (Unprocessed) [99]  
Page 326, 7.6.4.6 Relative target port identifier format

2nd sentence Change "4h." to "04h."

Dell 64) No title assigned yet (Unprocessed) [100]  
Page 326, Table 306 - Relative target port identifier values

Values in Value column need leading zeros.

Dell 65) No title assigned yet (Unprocessed) [101]  
Page 327, 7.6.4.7 Target port group identifier format

2nd sentence Change "4h." to "04h."

Dell 66) No title assigned yet (Unprocessed) [102]  
Page 327, 7.6.4.8 Logical unit group identifier format

2nd Paragraph, 2nd Sentence Change "4h." to "04h."

Dell 67) No title assigned yet (Unprocessed) [103]  
Page 330, 7.6.4.11.2 Identification descriptors for SCSI target ports, 2nd Paragraph, 1st sentence

remove "name" since it may be either the name or identifier depending on transport protocol.

Dell 68) No title assigned yet (Unprocessed) [104]  
Page 331

Change "000Ch" to "0Ch"

Dell 69) No title assigned yet (Unprocessed) [105]  
Page 331

Change "0010h" to "10h"

Dell 70) No title assigned yet (Unprocessed) [106]  
Page 332, 2nd Paragraph, 1st Sentence after Table 313 - Extended INQUIRY Data VPD page

Change "60." to "3Ch."

Dell 71) No title assigned yet (Unprocessed) [107]  
Page 337, Two Sentences prior to Table 321 - SCSI port identification descriptor

Change "(see table 3)" to "(see table 321)"

Dell 72) No title assigned yet (Unprocessed) [108]  
Page 337, Table 322 - Relative port identifier values

Values in Value column need leading zeros.

Dell 73) No title assigned yet (Unprocessed) [109]

Page 343, 8.3.1.2 Access controls overview, 10th Paragraph, 2nd Sentence

change "...enabled, all logical units shall be inaccessible..." to "...enabled, all logical units except W-LUN or LUN 0 shall be inaccessible..."

Dell 74) No title assigned yet (Unprocessed) [110]

Page 343, 8.3.1.2 Access controls overview, 15th Paragraph, 1st sentence

"Successful downloading of microcode (see 6.33) may result in access controls being disabled." Shouldn't this be a NOTE?

Dell 75) No title assigned yet (Unprocessed) [111]

Page 359, 8.3.2.1 ACCESS CONTROL IN introduction, 1st Sentence

change "(see table 329)" to "(see table 337)"

Dell 76) No title assigned yet (Unprocessed) [112]

Page 379, 8.3.3.1 ACCESS CONTROL OUT introduction, 1st Sentence

Change "(see Table 25)" to "(see Table 362)"

Dell 77) No title assigned yet (Unprocessed) [113]

Page 387, 8.3.3.2.5 The Revoke All Proxy Tokens ACE page, 1st Sentence

change "(see table 370)" to "(see table 371)"

### 3. ENDL Texas

Ralph O. Weber from ENDL Texas submitted the following comments on a No vote.

ENDL 1) No title assigned yet (Unprocessed) [114]  
PDF pg 50, pg 4, 1 Scope

<<Management Server Commands MSC>> should be <<Bridge Controller Commands BCC>>

ENDL 2) No title assigned yet (Unprocessed) [115]  
PDF pg 107, pg 61, 5.6.1, 1st p on pg

<<an application client shall register each I\_T nexus with a device server using a reservation key>> should be  
<<the application client shall register a reservation key for each I\_T nexus with the device server>>

ENDL 3) No title assigned yet (Unprocessed) [116]  
PDF pg 113, pg 67, 5.6.6, p 1, s 1

<<logical unit>> should be <<device server>>

ENDL 4) No title assigned yet (Unprocessed) [117]  
The author marked this comment as technical.  
PDF pg 157, pg 111, 6.3.6.2, 1st p on pg, s 2

<<The application client shall not send such combinations to the copy manager.>> should be <<The behavior of the copy manager when such combinations are received is unpredictable.>>

ENDL 5) No title assigned yet (Unprocessed) [118]  
The author marked this comment as technical.  
PDF pg 187, pg 141, 6.4.2, table 81, row 10h & table footnotes

Peripheral device type code 10h should be changed from 'reserved for use by Bridging Expanders (a Parallel SCSI plan that was never implemented) to BCC Bridge Controller Commands. This change includes removing table footnote b.

ENDL 6) No title assigned yet (Unprocessed) [119]  
PDF pg 284, pg 238, 6.33.12, 1st p after table 185

As currently written, this paragraph contains two conflicting requirements on the TIME STAMP field contents. A time stamp generated in this century cannot be zero, but the second sentence in the paragraph requires it to be so. <<(see 3.1.113). The application client shall set the TIME STAMP field to zero if it is not able to determine the UT of the log entry.>> should be <<(see 3.1.113), or zero if the application client is not able to determine the UT of the log entry.>> Consideration should be given to making this an a,b list.

ENDL 7) No title assigned yet (Unprocessed) [120]  
The author marked this comment as technical.  
PDF pg 287, pg 241, 7.1.1, table 189

T10/04-181r2 has not been incorporated in this table as approved by T10 at the September, 2004 plenary. Incorporate 04-181r2.



ENDL 8) No title assigned yet (Unprocessed) [121]  
PDF pg 426, pg 380, 8.3.3.1, 1st p after table 363, s 1

<<that the application client shall send>> should be <<being sent>

ENDL 9) No title assigned yet (Unprocessed) [122]  
PDF pg 455, pg 409, C.5.1, table C.9, row 1

Table C.9 describes causing 'an ACA condition' without mentioning the NACA bit in the CONTROL byte. The use of ACA is completely conditional on the NACA bit value. <<cause an ACA condition>> should be <<generate CHECK CONDITION status>>

ENDL 10) No title assigned yet (Unprocessed) [123]  
PDF pg 455, pg 409, C.5.1, table C.9, row 1

For consistency with the rest of this subclause, <<a unit attention condition>> should be <<establish a unit attention condition>>

ENDL 11) No title assigned yet (Unprocessed) [124]  
PDF pg 456, pg 410, C.5.2, 1,2,3 list entry 1

This list entry should be deleted since establishing a unit attention condition does not depend in any way on the current state of tasks in the task set.

ENDL 12) No title assigned yet (Unprocessed) [125]  
PDF pg 456, pg 410, C.5.2, 1,2,3 list entry 2

[insert] (see SAM-3) [to clarify that numerous rules exist about handling unit attention conditions that are not mentioned in this annex]

ENDL 13) No title assigned yet (Unprocessed) [126]  
PDF pg 456, pg 410, C.5.3, 1,2,3 list entry 3

For consistency with SAM-3 <<Complete>> should be <<Process the command in>>

ENDL 14) No title assigned yet (Unprocessed) [127]  
PDF pg 456, pg 410, C.5.3, 1,2,3 list entries 4 & 5

Since it is not possible to create an ACA condition when the NACA bit is set to zero in the CONTROL byte, list entries 4 and 5 should be replaced with: <<4) Complete the command with CHECK CONDITION status, with the sense key set to RECOVERED ERROR and the additional sense code set to LOG EXCEPTION, COUNT AT MAXIMUM>>

ENDL 15) No title assigned yet (Unprocessed) [128]  
PDF pg 456, pg 410, C.5.3, 1,2,3 list entry 6) 1)

<<create an ACA condition>> should be <<return CHECK CONDITION status>>

ENDL 16) No title assigned yet (Unprocessed) [129]  
PDF pg 456, pg 410, C.5.4, 1,2,3 list entry 3

For consistency with SAM-3 <<Complete>> should be <<Process the command in>>

ENDL 17) No title assigned yet (Unprocessed) [130]  
PDF pg 456, pg 410, C.5.4, 1,2,3 list entries 4 & 5

Since it is not possible to create an ACA condition when the NACA bit is set to zero in the CONTROL byte, list entries 4 and 5 should be replaced with: <<4) Complete the command with CHECK CONDITION status, with the sense key set to RECOVERED ERROR and the additional sense code set to LOG EXCEPTION, LIST CODES EXHAUSTED>>

ENDL 18) No title assigned yet (Unprocessed) [131]  
PDF pg 456, pg 410, C.5.4, 1,2,3 list entry 6) 1)

<<Create an ACA condition>> should be <<Return CHECK CONDITION status>>

#### 4. Hewlett Packard Co.

Rob Elliott from Hewlett Packard Co. submitted the following comments on a No vote.

**Note:** The page numbers in 04-327r1 are described as PDF page numbers. However, the page numbers are really the page numbers printed at the bottom of the page. Therefore, "PDF Page" has been changed to "Page" in this document.

HP 1) No title assigned yet (Unprocessed) [132]  
Page 1, 1 i)

Disable Queueing s/b smallcaps

HP 2) No title assigned yet (Unprocessed) [133]  
Page 1, 1 j)

SBC-2 s/b SBC because they didn't survive in SBC-2

HP 3) No title assigned yet (Unprocessed) [134]  
Page 2, Global

Change the format of INCITS document references to: INCITS 333-2002

HP 4) No title assigned yet (Unprocessed) [135]  
Page 4, 2.2 Approved references

Italicize the standard name (e.g. "SCSI Primary Commands - 2 (SPC-2)") and don't italicize the ISO or INCITS name/number.

HP 5) No title assigned yet (Unprocessed) [136]  
Page 6, 2.4

Update "draft-ietf-ips-iscsi-16.txt, Internet SCSI (iSCSI)" to its RFC reference

HP 6) No title assigned yet (Unprocessed) [137]  
Page 7

3.1.16 s/b bold

HP 7) No title assigned yet (Unprocessed) [138]  
Page 7, 3.1.14

Change "Indicates an 8-bit construct." to "A sequence of eight contiguous bits considered as a unit."

HP 8) No title assigned yet (Unprocessed) [139]  
Page 7, 3.1.5

"active condition" s/b "active power condition"

HP 9) No title assigned yet (Unprocessed) [140]  
Page 7, 3.1.5

Add "See 5.9."

HP 10) No title assigned yet (Unprocessed) [141]  
Page 7, 3.1.12

"CONTROL byte" s/b "CDB CONTROL byte"

HP 11) No title assigned yet (Unprocessed) [142]  
Page 8, 3.1.xx

Add "copy target device: the name given by the EXTENDED COPY command description to a source or the destination logical units. See 6.3.1.

HP 12) No title assigned yet (Unprocessed) [143]  
Page 8, 3.1.31

"device" s/b "peripheral device"

HP 13) No title assigned yet (Unprocessed) [144]  
Page 9, 3.1.42

Add "See 5.9."

HP 14) No title assigned yet (Unprocessed) [145]  
Page 9, 3.1.42

04-327r1 does not contain an HPQ #14 comment. However, the text in this comment is appended to comment HPQ #13, but also looks as if it should be comment HPQ #14.

"idle condition" s/b "idle power condition"

HP 15) No title assigned yet (Unprocessed) [146]  
Page 9, 3.1.42

"active condition" s/b "active power condition"

HP 16) No title assigned yet (Unprocessed) [147]  
Page 9, 3.1.42

"idle condition" s/b "idle power condition"

HP 17) No title assigned yet (Unprocessed) [148]  
Page 10

3.1.64 s/b bold

HP 18) No title assigned yet (Unprocessed) [149]  
Page 11

3.1.74 s/b bold

HP 19) No title assigned yet (Unprocessed) [150]

Page 11, Delete "3.1.82 SCSI device identifier: A term used by previous versions of

this standard and by this standard where the detail provided by newer terms is not critical (see Annex A)." The phrase "SCSI device identifier" appears nowhere in this document, even in annex A.

HP 20) No title assigned yet (Unprocessed) [151]  
Page 11, 3.1.77

"Internet engineering task force" s/b "Internet Engineering Task Force (IETF)"

HP 21) No title assigned yet (Unprocessed) [152]  
Page 11, 3.1.xx

Add peripheral device: The part of the logical unit that defines its device type (see 3.1.31).

HP 22) No title assigned yet (Unprocessed) [153]  
Page 12, 3.1.99

"standby condition" s/b "standby power condition"

HP 23) No title assigned yet (Unprocessed) [154]  
Page 12, 3.1.99

Add "See 5.9."

HP 24) No title assigned yet (Unprocessed) [155]  
Page 15, 3.3.8

standards s/b standard

HP 25) No title assigned yet (Unprocessed) [156]  
Page 15, 3.3.9 as error s/b as an error

HP 26) No title assigned yet (Unprocessed) [157]  
Page 17, 3.6.1

character s/b characters

HP 27) No title assigned yet (Unprocessed) [158]  
Page 20, 4.2

"Service response = Execute Command (IN (I\_T\_L\_x Nexus, CDB, Task Attribute, [Data-In Buffer Size], [Data-Out Buffer], [Data-Out Buffer Size], [Command Reference Number]), OUT ([Data-In Buffer], [Sense Data], [Sense Data Length], Status))" s/b Service Response =Execute Command (IN ( I\_T\_L\_Q Nexus, CDB, Task Attribute, [Data-In Buffer Size], [Data-Out Buffer], [Data-Out Buffer Size], [Command Reference Number], [Task Priority]), OUT ( [Data-In Buffer], [Sense Data], [Sense Data Length], Status )) (I\_T\_L\_x to I\_T\_L\_Q, and add Task Priority)

HP 28) No title assigned yet (Unprocessed) [159]  
Page 21, table 2

Reserved s/b Miscellaneous

HP 29) No title assigned yet (Unprocessed) [160]  
Page 21, table 3

Reserved s/b Miscellaneous

HP 30) No title assigned yet (Unprocessed) [161]  
Page 21, table 3

Reserved s/b Miscellaneous

HP 31) No title assigned yet (Unprocessed) [162]  
Page 21, 4.3.2

Add a warning note that previous versions of this standard (SCSI-2) defined byte 1 bits 7-5 as a LOGICAL UNIT NUMBER field (for 6,10,and 12 byte formats). They should have been labeled Obsolete, but there was no Obsolete keyword defined at the time, so they were marked Reserved.

HP 32) No title assigned yet (Unprocessed) [163]  
Page 22, table 4

Reserved s/b Miscellaneous

HP 33) No title assigned yet (Unprocessed) [164]  
Page 22, table 4

Reserved s/b Miscellaneous

HP 34) No title assigned yet (Unprocessed) [165]  
Page 22, table 5

Reserved s/b Miscellaneous

HP 35) No title assigned yet (Unprocessed) [166]  
Page 22, table 5

Reserved s/b Miscellaneous

HP 36) No title assigned yet (Unprocessed) [167]  
Page 23, table 6

Reserved s/b Miscellaneous

HP 37) No title assigned yet (Unprocessed) [168]  
Page 23, table 6

Reserved s/b Miscellaneous

HP 38) No title assigned yet (Unprocessed) [169]  
Page 23, table 6

Change "miscellaneous CDB information" to "Miscellaneous" (along with another comment, merge this whole byte into one "Miscellaneous" row)

HP 39) No title assigned yet (Unprocessed) [170]  
Page 24, table 7

Change bytes 3-7 Reserved to Miscellaneous (the GROUP NUMBER field is already violating that space in SBC-2)

HP 40) No title assigned yet (Unprocessed) [171]  
Page 25, table 8

Reserved s/b Miscellaneous

HP 41) No title assigned yet (Unprocessed) [172]  
Page 25, table 8

Reserved DPO FUA Reserved s/b Miscellaneous

HP 42) No title assigned yet (Unprocessed) [173]  
Page 25, table 8

For consistency with prior Typical CDB tables, show bytes 2, 3, and 4 each as Reserved too (not the range 2-4 as Reserved) (note another comment requests that Reserved be change to Miscellaneous)

HP 43) No title assigned yet (Unprocessed) [174]  
Page 25, table 8

Change bytes 3-7 Reserved to Miscellaneous (the GROUP NUMBER field is already violating that space in SBC-2)

HP 44) No title assigned yet (Unprocessed) [175]  
Page 25, table 8

Change "Additional CDB data" to "Miscellaneous"

HP 45) No title assigned yet (Unprocessed) [176]  
Page 26, table 10

to make use of the whitespace on the right, add a column "Typical CDB format reference" containing:

000b: table 2 in 4.3.2  
001b: table 3 in 4.3.2  
010b: table 3 in 4.3.2  
100b: table 5 and table 6 in 4.3.2  
101b: table 4 in 4.3.2

HP 46) No title assigned yet (Unprocessed) [177]  
Page 27, 4.3.4.6

Change "allocation length bytes" to "the number of bytes specified by the ALLOCATION LENGTH field"

HP 47) No title assigned yet (Unprocessed) [178]  
Page 27, 4.3.4.6

Change "data" to "variable length data"

HP 48) No title assigned yet (Unprocessed) [179]  
Page 27, 4.3.4.6

Change "may be specified" to "is able to be specified"

HP 49) No title assigned yet (Unprocessed) [180]  
Page 27, 4.3.4.6

after "data" add "(e.g., a LIST LENGTH field)"

HP 50) No title assigned yet (Unprocessed) [181]  
Page 27, 4.3.4.7

"CONTROL field" s/b "CONTROL byte" to match SAM-3 usage

HP 51) No title assigned yet (Unprocessed) [182]  
Page 27, 4.3.4.7

"CONTROL field" s/b "CONTROL byte" to match SAM-3 usage

HP 52) No title assigned yet (Unprocessed) [183]  
Page 28, 4.5.1

Change "and in response" to "and as parameter data in response"

HP 53) No title assigned yet (Unprocessed) [184]  
Page 28, 4.5.1

To parallel the preceding sentence, change "The REQUEST SENSE command may be used to request either the fixed format sense data or the descriptor format sense data." to: "Sense data returned as parameter data by a REQUEST SENSE command shall use the fixed or descriptor format sense data format based on the value of the DESC bit in the REQUEST SENSE CDB."

HP 54) No title assigned yet (Unprocessed) [185]  
Page 29, table 12

"descriptor(s)" s/b "descriptor list"

HP 55) No title assigned yet (Unprocessed) [186]  
Page 29, table 12

Descriptor sense data format s/b Descriptor format sense data

HP 56) No title assigned yet (Unprocessed) [187]  
Page 29, 4.5.2.1

"the descriptor sense data format" s/b "descriptor format sense data"

HP 57) No title assigned yet (Unprocessed) [188]  
Page 29, 4.5.2.1

"The descriptor sense data format" s/b "The descriptor format for sense data"



HP 58) No title assigned yet (Unprocessed) [189]

Page 29, 4.5.2.1

04-327r1 does not contain an HPQ #58 comment. However, the text in this comment is appended to comment HPQ #57, but also looks as if it should be comment HPQ #58.

EXTENDED COPY defines using the COMMAND-SPECIFIC INFORMATION field to point to part of the sense data that contains (nested) sense data from one of the copy targets being accessed (see 6.3.3). This doesn't completely agree with table 12, which indicates the entire sense data buffer is full of "sense data descriptors" each compliant with table 13. The copy manager could embed that nested sense data in a sense data descriptor of a vendor-specific type. It might be better to standardize a new type for this case, though.

HP 59) No title assigned yet (Unprocessed) [190]

Page 30, 4.5.2.1

Change "is being returned via a REQUEST SENSE command" to: "is being returned as parameter data by a REQUEST SENSE command"

HP 60) No title assigned yet (Unprocessed) [191]

Page 30, 4.5.2.1

Delete "If the sense data is being returned via a REQUEST SENSE command and the allocation length in the REQUEST SENSE CDB is too small to transfer all of the additional sense bytes, then the additional sense length shall not be adjusted to reflect the truncation." The definition of allocation length in 4.3.4.6 includes that rule.

HP 61) No title assigned yet (Unprocessed) [192]

Page 32, 4.5.2.3

delete "MEDIUM SCAN and"

HP 62) No title assigned yet (Unprocessed) [193]

Page 35, 4.5.2.5

shall indicate s/b indicates

HP 63) No title assigned yet (Unprocessed) [194]

Page 36, Delete 4.5.2.6; reference SBC-2 instead.

(assuming it is added to SBC-2)

HP 64) No title assigned yet (Unprocessed) [195]

Page 36, 4.5.2.7

After inclusive change comma to period.

HP 65) No title assigned yet (Unprocessed) [196]

Page 37, 4.5.3

"The fixed sense data format" s/b "Fixed format sense data"

HP 66) No title assigned yet (Unprocessed) [197]

Page 37, table 26

"Fixed sense data format" s/b "Fixed format sense data"

HP 67) No title assigned yet (Unprocessed) [198]  
Page 37, 4.5.3

"the fixed sense data format" s/b "fixed format sense data"

HP 68) No title assigned yet (Unprocessed) [199]  
Page 38, 4.5.3

Change "is being returned via a REQUEST SENSE command" to: "is being returned as parameter data by a REQUEST SENSE command"

HP 69) No title assigned yet (Unprocessed) [200]  
Page 38, 4.5.3

Delete "If the sense data is being returned via a REQUEST SENSE command and the allocation length in the REQUEST SENSE CDB is too small to transfer all of the additional sense bytes, then the additional sense length shall not be adjusted to reflect the truncation." The allocation length definition in 4.3.4.6 includes that rule.

HP 70) No title assigned yet (Unprocessed) [201]  
Page 39, table 27 1h

"last command" s/b "command" The word "last" is a remnant of Contingent Allegiance.

HP 71) No title assigned yet (Unprocessed) [202]  
Page 39, table 27 2h

Delete "addressed"

HP 72) No title assigned yet (Unprocessed) [203]  
Page 41, 4.5.6

Change "additional sense codes and additional sense code qualifiers" to "additional sense codes (i.e., the ADDITIONAL SENSE CODE field and ADDITIONAL SENSE CODE QUALIFIER field values returned in sense data)"

HP 73) No title assigned yet (Unprocessed) [204]  
Page 55, Table 28

Remove all caps from "Vendor specific QUALIFICATION OF STANDARD ASC. "

HP 74) No title assigned yet (Unprocessed) [205]  
Page 56, 5.2.1

"This standard defines three commands that all SCSI device servers shall implement - INQUIRY, REQUEST SENSE, and TEST UNIT READY. These commands are used to configure the system, to test devices, and to return important information concerning errors and exception conditions."

Problems:

- a) REPORT LUNS is also listed as mandatory now.
- b) REQUEST SENSE is not used as often to return information concerning errors and exception conditions now that autosense is mandatory. It's more used to return progress information.
- c) None of those commands "configures" anything, since they're all read commands.
- d) "to test devices" referred to SEND DIAGNOSTIC which is no longer in this list.

One option: Delete the whole section 5.2. Table 6.1 has the mandatory requirement, and the short overviews of each command have little value. Consider whether each sentence in 5.2.x should be moved to its corresponding command description in 6.x.

Another option: add REPORT LUNS to the list, create a 5.2.x introducing it, change "configure the system" to "discover the configuration of the system", remove "to test devices".

HP 75) No title assigned yet (Unprocessed) [206]  
Page 59, table 29

Add an OSD row, including at least the FORMAT OSD command.

HP 76) No title assigned yet (Unprocessed) [207]  
Page 59, table 29

Direct access s/b Direct access block

HP 77) No title assigned yet (Unprocessed) [208]  
Page 59, 5.5.3.3

Change "by returning the sense key" to "by returning parameter data containing sense data with the sense key" to clarify that this does not mean the REQUEST SENSE itself gets CHECK CONDITION status and this is the sense key for that autosense data.

HP 78) No title assigned yet (Unprocessed) [209]  
Page 59, 5.5.3.3

Change "returned in response to a REQUEST SENSE command" to "in parameter data returned in response to a REQUEST SENSE command"

HP 79) No title assigned yet (Unprocessed) [210]  
Page 60, 5.6.1

Change protect to preserve

HP 80) No title assigned yet (Unprocessed) [211]  
Page 62, table 31

Delete "LU=Logical Unit," key

HP 81) No title assigned yet (Unprocessed) [212]  
Page 62, table 31

Change LU to "logical unit" - it won't cause any additional rows

HP 82) No title assigned yet (Unprocessed) [213]  
Page 64, table 32

Change LU to "logical unit". It may add a row, but the Key row can be deleted to match.

HP 83) No title assigned yet (Unprocessed) [214]  
Page 64, table 32

Delete "Key: LU=Logical Unit" row

HP 84) No title assigned yet (Unprocessed) [215]  
Page 66, 5.6.4

Change "listed in this subclause" to "listed above", or change "commands other than those listed in this subclause" to "other commands."

The subclause also discusses the PR OUT command; the sentence is only referring to the a)-g) list.

HP 85) No title assigned yet (Unprocessed) [216]  
Page 68, table 33 footnote b

If SPEC\_I\_PT bit is zero, the device server does not ignore the additional parameter data, but returns check condition, as specified in page 173. Delete '(b)' or simply reference to section 6.12.1

HP 86) No title assigned yet (Unprocessed) [217]  
Page 69, table 34 unreg/non-zero/one

The Result (return Check Condition status (c)) is wrong.

The 1st paragraph in this page states that one or more I\_T nexuses may be registered with the Register and Ignore Existing key service action. From table 34 it looks like that is not possible. Change to 'Register the I\_T nexus on which the command was received and each unregistered I\_T nexus specified in the parameter list with the value specified in the SERVICE ACTION RESERVATION KEY field. (c)' like in Table 33.

HP 87) No title assigned yet (Unprocessed) [218]  
Page 69

If SPEC\_I\_PT bit is zero, the device server does not ignore the additional parameter data, but returns check condition, as specified in page 173. Delete '(b)' or simply reference to section 6.12.1

HP 88) No title assigned yet (Unprocessed) [219]  
Page 69, table 34 footnote c

Change to same text as note c in table 33. 'If any I\_T nexus specified in the parameter list is registered, the command shall be terminated with CHECK CONDITION status, with the sense key set to ILLEGAL REQUEST, and the additional sense code set to INVALID FIELD IN CDB.'

HP 89) No title assigned yet (Unprocessed) [220]  
Page 69, table 34

Change 'c' to 'd'.

HP 90) No title assigned yet (Unprocessed) [221]  
Page 69, table 34

Change 'c' to 'd'.

HP 91) No title assigned yet (Unprocessed) [222]  
Page 69, table 34

Add d The sense key shall be set to ILLEGAL REQUEST, and the additional sense code shall be set to INVALID FIELD IN CDB.

HP 92) No title assigned yet (Unprocessed) [223]  
Page 70, table 35

The a)b) lists in 1 0 and 1 1 seem wrong. With specify initiator ports, the I\_T nexus delivering the command is not also registered.

HP 93) No title assigned yet (Unprocessed) [224]  
Page 71, table 36

first "Return CHECK CONDITION status" Contradicts the 2nd paragraph in page 70. Change to Reservation Conflict.

HP 94) No title assigned yet (Unprocessed) [225]  
Page 71, table 36

Either explain what "See this subclause..." means or delete it.

HP 95) No title assigned yet (Unprocessed) [226]  
Page 71, table 36

Either explain what "See this subclause..." Either explain what this means or delete it.

HP 96) No title assigned yet (Unprocessed) [227]  
Page 71, 5.6.7

Add a paragraph explaining what to do if the I\_T nexus specified in the TransportID to which the persistent reservation is to be moved is already registered.

HP 97) No title assigned yet (Unprocessed) [228]  
Page 71, 5.6.7

Add a paragraph explaining what to do when an All Registrants persistent reservation is in place.

HP 98) No title assigned yet (Unprocessed) [229]  
Page 72, 5.6.7 d)

Simplify to "d) Register the reservation key" because the persistent reservation is to be changed later anyway

HP 99) No title assigned yet (Unprocessed) [230]  
Page 72, 5.6.7 f)

Unit Attention must be posted if a persistent reservation other than (Write) Exclusive access is released. Add a statement or reference.

HP 100) No title assigned yet (Unprocessed) [231]  
Page 72, 5.6.8

Change "I\_T\_L" to "I\_T" in b)

HP 101) No title assigned yet (Unprocessed) [232]  
Page 72, 5.6.8 4th paragraph

Because only LU\_SCOPE is supported, if the SCOPE is different, the command should be rejected with CHECK CONDITION status with sense data set to ILLEGAL REQUEST, INVALID FIELD IN CDB.

HP 102) No title assigned yet (Unprocessed) [233]  
Page 72, 5.6.9

Change to "RESERVE" to "REGISTER" in b

HP 103) No title assigned yet (Unprocessed) [234]  
Page 72, 5.6.9

Change "RESERVE" to to "REGISTER" in b

HP 104) No title assigned yet (Unprocessed) [235]  
Page 73, 5.6.10.1.1 first paragraph

Change "I\_T\_L" to "I\_T".

HP 105) No title assigned yet (Unprocessed) [236]  
Page 75, 5.6.10.2

Add an explanation about whether the command finishes with a GOOD or RESERVATION CONFLICT status.

HP 106) No title assigned yet (Unprocessed) [237]  
Page 78, 5.6.10.4.3

enable s/b enabled

HP 107) No title assigned yet (Unprocessed) [238]  
Page 79, 5.6.10.5 a)A)

"initiator ports other than the initiator port associated with the persistent reservation being preempted," needs I\_T nexus based wording.

HP 108) No title assigned yet (Unprocessed) [239]  
Page 79, 5.6.10.4.4

the s/b a With the "all registrants" type, there could be more than one holder

HP 109) No title assigned yet (Unprocessed) [240]  
Page 81, 5.7 e)

This sentence fails to reference the TST field in the Control Mode Page and its effect on the CLEAR TASK SET task management function.

Proposed Solution:

"The CLEAR TASK SET task management function when the TST field is 000b (see 7.4.6) removes all tasks for all I\_T nexuses for the selected logical unit."

HP 110) No title assigned yet (Unprocessed) [241]  
Page 81

Delete section 5.7 Multiple target port and initiator port behavior This discusses topics already discussed by SAM-3, or which belong in SAM-4. Each sentence is marked for specific deletion (or recommended for movement to SAM-4) with some reasoning.

HP 111) No title assigned yet (Unprocessed) [242]  
Page 81

Delete "If a SCSI target device has more than one target port, the arbitration and connection management among the target ports is vendor specific." SAM-3 sections 4.13.2 and 4.13.3 describe multiple port target devices. It doesn't include the above sentence. It uses task routers in its description.

HP 112) No title assigned yet (Unprocessed) [243]  
Page 81, 5.7

Delete "If one target port is being used by an initiator port, accesses attempted through other target port(s) may: a) Receive a status of BUSY; or b) Be accepted as if the other target port(s) were not in use." If this is an important specific reason for BUSY, it should be included in SAM-3 section 5.3.1 where BUSY is defined. BUSY is defined generically enough to encompass this statement. In modern SCSI devices where active-active behavior is common, I don't think the standard should mention this any more.

HP 113) No title assigned yet (Unprocessed) [244]  
Page 81, 5.7

Delete "The device server shall indicate the presence of multiple target ports by setting the MULTIP bit to one in its standard INQUIRY data." This bit is defined in 6.4.2 in this standard. This sentence probably should be added to SAM-3 sections 4.7.2 and/or 4.13.3.

HP 114) No title assigned yet (Unprocessed) [245]  
Page 81

Delete "Only the following operations allow one I\_T nexus to interact with the tasks of other I\_T nexuses: a) The PERSISTENT RESERVE OUT with PREEMPT service action preempts persistent reservations (see 5.6.10.4); b) The PERSISTENT RESERVE OUT with PREEMPT AND ABORT service action preempts persistent reservations and aborts tasks (see 5.6.10.5); c) The PERSISTENT RESERVE OUT with CLEAR service action releases persistent reservations for all I\_T nexuses (see 5.6.10.6); d) The LOGICAL UNIT RESET task management function removes all tasks for all I\_T nexuses for the addressed logical unit and any logical units issuing from it in a hierarchical addressing structure (see SAM-3). Persistent reservations remain unmodified; and e) The CLEAR TASK SET task management function removes all tasks for all I\_T nexuses for the selected logical unit. Most other logical unit states remain unmodified, including MODE SELECT parameters, reservations, and ACA (see SAM-3)." The list is probably incomplete. SAM-3 section 5.7.1 table 23 has its own version of this list for "aborting" tasks on

other I\_T nexuses, not just "interacting". "Interacting" would have to include everything that affects the logical unit state (if one I\_T nexus writes the medium, that changes the behavior of reads from other I\_T nexuses).

HP 115) No title assigned yet (Unprocessed) [246]  
Page 81, 5.7

Delete "SAM-3 specifies the behavior of logical units being accessed by application clients through more than one initiator port and/or through more than one target port." Why should the primary command set concern itself with this?

HP 116) No title assigned yet (Unprocessed) [247]  
Page 81, 5.7

Delete "Additional initiator ports and target ports allow the definition of multiple I\_T nexuses through which the device server may be reached."

This is true, but should be in SAM-3 section 4.13.2 (which does not currently have any advertisements on the benefits of multiple ports).

HP 117) No title assigned yet (Unprocessed) [248]  
Page 81, 5.7

Delete "Multiple I\_T nexuses may be used to improve the availability of logical units in the presence of certain types of failures and to improve the performance between an application client and logical unit when some I\_T nexuses may be busy."

This is true, but should be in SAM-3 section 4.13.2 (which does not currently have any advertisements on the benefits of multiple ports).

HP 118) No title assigned yet (Unprocessed) [249]  
Page 83, 5.8.2.4.3

Change "The SCSI target device shall participate in all task management functions as defined in SAM-3." to: "The task manager shall support all the task management functions that it supports while in the active/optimized state."

HP 119) No title assigned yet (Unprocessed) [250]  
Page 83, 5.8.2.4.2

Change "The SCSI target device shall participate in all task management functions as defined in SAM-3." to: "The task manager shall function (i.e., respond to task management functions) as specified in the appropriate protocol standards."

HP 120) No title assigned yet (Unprocessed) [251]  
Page 83, 5.8.2.4.2

After "function" add "(i.e., respond to commands)"

HP 121) No title assigned yet (Unprocessed) [252]  
Page 84, 5.8.2.4.5

Change "The SCSI target device is not required to participate in all task management operations." to "The task manager is not required to support all the task management functions that it supports while in the active/optimized state."



HP 122) No title assigned yet (Unprocessed) [253]  
Page 84, 5.8.2.4.4

Change "The SCSI target device shall participate in all task management functions as defined in SAM-3." to: "The task manager shall support all the task management functions that it supports while in the active/optimized state."

HP 123) No title assigned yet (Unprocessed) [254]  
Page 85, 5.8.2.5

Change "The SCSI target device is not required to participate in all task management operations." to "The task manager is not required to support all the task management functions that it supports while in the active/optimized state."

HP 124) No title assigned yet (Unprocessed) [255]  
Page 86, 5.8.2.7

Device Identifier s/b Device Identification

HP 125) No title assigned yet (Unprocessed) [256]  
Page 86, 5.8.2.8

Device Identifier s/b Device Identification

HP 126) No title assigned yet (Unprocessed) [257]  
Page 91, 5.10 2nd paragraph 2nd sentence

shall indicate s/b indicates

HP 127) No title assigned yet (Unprocessed) [258]  
Page 91, 5.10

Delete "Only one medium transport element shall be permitted, element 0. Only one data transfer element shall be permitted. Media exchanges shall not be supported by attached medium changers. The RESERVE ELEMENT and RELEASE ELEMENT commands shall not be supported by attached medium changers." These rules are owned by and already defined in SMC-2. The same paragraph was removed from SBC-2 for this reason (in response to an IBM letter ballot comment).

HP 128) No title assigned yet (Unprocessed) [259]  
Page 92, table 41

"application server" s/b "application client"

HP 129) No title assigned yet (Unprocessed) [260]  
Page 95, 6.2.1

indicates s/b specifies

HP 130) No title assigned yet (Unprocessed) [261]  
Page 100, 6.3.1

indicates s/b specifies

HP 131) No title assigned yet (Unprocessed) [262]  
Page 101, table 49

"Target descriptor(s)" s/b "Target descriptor list"

HP 132) No title assigned yet (Unprocessed) [263]  
Page 101, table 49

"Segment descriptor(s)" s/b "Segment descriptor list"

HP 133) No title assigned yet (Unprocessed) [264]  
Page 102, 6.3.1 STR paragraph

indicates s/b specifies

HP 134) No title assigned yet (Unprocessed) [265]  
Page 102,6.3.1 STR paragraph

04-327r1 does not contain an HPQ #134 comment. However, the text in this comment is appended to comment HPQ #133, but also looks as if it should be comment HPQ #134.

indicates s/b specifies

HP 135) No title assigned yet (Unprocessed) [266]  
Page 103, 6.3.1 INLINE DATA LENGTH paragraph

indicates s/b specifies

HP 136) No title assigned yet (Unprocessed) [267]  
Page 104, 6.3.3 d)

"shall specify" s/b "shall be set to"

HP 137) No title assigned yet (Unprocessed) [268]  
Page 104, 6.3.3. e)

"shall specify" s/b "shall be set to"

HP 138) No title assigned yet (Unprocessed) [269]  
Page 106, Table 50 footer

Change: "0h (i.e, direct-access), 4h (i.e., write-once), 5h (i.e., CD/DVD), 7h (i.e., optical memory), and Eh (i.e., simplified direct-access)." to "0h (i.e, direct-access block), 5h (i.e., CD/DVD) , and Eh (i.e., simplified direct-access)." since types 4h and 7h are obsolete.

HP 139) No title assigned yet (Unprocessed) [270]  
Page 108, table 52 title

"LU ID type codes" s/b "LU ID TYPE field"

HP 140) No title assigned yet (Unprocessed) [271]  
Page 109, 6.3.6.1

indicates s/b specifies

HP 141) No title assigned yet (Unprocessed) [272]  
Page 109, 6.3.6.1

indicates s/b specifies

HP 142) No title assigned yet (Unprocessed) [273]  
Page 119, 6.3.7.4

indicates s/b specifies

HP 143) No title assigned yet (Unprocessed) [274]  
Page 121, 6.3.7.5

indicates s/b specifies

HP 144) No title assigned yet (Unprocessed) [275]  
Page 121, 6.3.7.5

indicates s/b specifies

HP 145) No title assigned yet (Unprocessed) [276]  
Page 121, 6.3.7.5

indicates s/b specifies

HP 146) No title assigned yet (Unprocessed) [277]  
Page 121, 6.3.7.5

indicates s/b specifies

HP 147) No title assigned yet (Unprocessed) [278]  
Page 121, 6.3.7.5

indicates s/b specifies

HP 148) No title assigned yet (Unprocessed) [279]  
Page 123, 6.3.7.6

"shall specify" s/b "specifies"

HP 149) No title assigned yet (Unprocessed) [280]  
Page 123, 6.3.7.6

"shall specify" s/b "specifies"

HP 150) No title assigned yet (Unprocessed) [281]  
Page 129, 6.3.7.5

indicates s/b specifies

HP 151) No title assigned yet (Unprocessed) [282]  
Page 129, 6.3.7.5

indicates s/b specifies

HP 152) No title assigned yet (Unprocessed) [283]  
Page 131, 6.3.7.5

indicates s/b specifies

HP 153) No title assigned yet (Unprocessed) [284]  
Page 134, 6.3.7.5

indicates s/b specifies

HP 154) No title assigned yet (Unprocessed) [285]  
Page 134, 6.3.7.17

"is on" s/b "is set to one"

HP 155) No title assigned yet (Unprocessed) [286]  
Page 138, 6.4.1

Add: The ALLOCATION LENGTH field is defined in 4.3.4.6. If EVPD is set to zero, the ALLOCATION LENGTH field should be at least 0005h to retrieve the ADDITIONAL LENGTH field in the parameter data (see 6.4.2). If EVPD is set to one, the ALLOCATION LENGTH field should be at least 0004h to retrieve the PAGE LENGTH field in the parameter data (see 7.6.1)"

HP 156) No title assigned yet (Unprocessed) [287]  
Page 140, table 81

Change "Direct-access device" to "Direct-access block device"

HP 157) No title assigned yet (Unprocessed) [288]  
Page 140, table 80

Change "1xxb" to "100b - 111b"

HP 158) No title assigned yet (Unprocessed) [289]  
Page 140, table 80, 011b

Delete "to provide compatibility with previous versions of SCSI."

HP 159) No title assigned yet (Unprocessed) [290]  
Page 141, table 82

"X3.351:" s/b "NCITS 351-"

HP 160) No title assigned yet (Unprocessed) [291]  
Page 141, below table 82

"and the" s/b "and supports the"

HP 161) No title assigned yet (Unprocessed) [292]  
Page 141, 6.4.2

Delete "When the HISUP bit is set to one, the device server shall support the REPORT LUNS command (see 6.21). When the HISUP bit is set to zero, the device server may support the REPORT LUNS command." According to 6.1, REPORT LUNS is simply mandatory.

HP 162) No title assigned yet (Unprocessed) [293]  
Page 141, 6.4.2

"CONTROL byte of the CDB" s/b "CDB CONTROL byte"

HP 163) No title assigned yet (Unprocessed) [294]  
Page 142, 6.4.2 RESPONSE DATA FORMAT paragraph

Change two to 2h (3 times)

HP 164) No title assigned yet (Unprocessed) [295]  
Page 142, 6.4.2

Delete "If the ALLOCATION LENGTH of the CDB is too small to transfer all of the parameters, the ADDITIONAL LENGTH shall not be adjusted to reflect the truncation." The ALLOCATION LENGTH definition in 4.3.4.6 includes this rule.

HP 165) No title assigned yet (Unprocessed) [296]  
Page 142, 6.4.2 Change "parameters" to "remaining standard INQUIRY data."

HP 166) No title assigned yet (Unprocessed) [297]  
Page 142, table 83

Value s/b Code

HP 167) No title assigned yet (Unprocessed) [298]  
Page 142, table 83

Delete "contents"

HP 168) No title assigned yet (Unprocessed) [299]  
Page 142, 6.4.2

"shall specify" s/b "indicates"

HP 169) No title assigned yet (Unprocessed) [300]  
Page 144, Table 85

Remove ADP row. ADP no longer exists.

HP 170) No title assigned yet (Unprocessed) [301]  
Page 144, table 85

Add ADT revision 13.

HP 171) No title assigned yet (Unprocessed) [302]  
Page 144, table 85

Change "Version descriptor values" to "VERSION DESCRIPTOR field"

HP 172) No title assigned yet (Unprocessed) [303]  
Page 144, table 85

Change "Version Descriptor Value" to "Code"

HP 173) No title assigned yet (Unprocessed) [304]  
Page 151, 6.4.4

"the a" s/b "the"

HP 174) No title assigned yet (Unprocessed) [305]  
Page 151, 6.4.4

Change "Vital product data" to "Vital product data (VPD)"

HP 175) No title assigned yet (Unprocessed) [306]  
Page 153, 6.5

indicates s/b specifies

HP 176) No title assigned yet (Unprocessed) [307]  
Page 154, 6.5 PLL paragraph

indicates s/b specifies

HP 177) No title assigned yet (Unprocessed) [308]  
Page 154, table 90

Page control field s/b Page control (PC) field

HP 178) No title assigned yet (Unprocessed) [309]  
Page 154, 6.5 current cumulative paragraph

"parameter control byte s/b "PARAMETER CONTROL byte"

HP 179) No title assigned yet (Unprocessed) [310]  
Page 154, 6.5 current threshold paragraph

"parameter control byte" s/b "PARAMETER CONTROL byte"

HP 180) No title assigned yet (Unprocessed) [311]  
Page 154, 6.5

Change the "independent sets" paragraph to: Logical units shall maintain log pages based on any of the policies listed in table xx. Table xx ó Log page policies Log page policy Number of log page copies Shared One copy of the log page that is shared by all I\_T nexuses. Per I\_T nexus A separate copy of the log page for each I\_T nexus If the log page policy is shared and any log parameters are changed by a LOG SELECT command on one I\_T nexus, the device server shall generate a unit attention condition (see SAM-3) for every other I\_T nexus with the additional sense code set to LOG PARAMETERS CHANGED.

HP 181) No title assigned yet (Unprocessed) [312]  
Page 155, 6.6 a)

indicates s/b specifies

HP 182) No title assigned yet (Unprocessed) [313]  
Page 155, 6.6 b)

indicates s/b specifies

HP 183) No title assigned yet (Unprocessed) [314]  
Page 155, 6.5

Change "may be found in" to "is in"

HP 184) No title assigned yet (Unprocessed) [315]  
Page 155, 6.5 Delete "informative"

HP 185) No title assigned yet (Unprocessed) [316]  
Page 155, 6.5

Move "(see SAM-3)" after "unit attention condition"

HP 186) No title assigned yet (Unprocessed) [317]  
Page 156, 6.6

Add "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 187) No title assigned yet (Unprocessed) [318]  
Page 156, 6.6

Delete "to the maximum allocation length or the maximum parameter code supported by the logical unit, whichever is less." The ALLOCATION LENGTH definition in 4.3.4.6 covers the truncation topic.

HP 188) No title assigned yet (Unprocessed) [319]  
Page 156, 6.6 SP paragraph

indicates s/b specifies

HP 189) No title assigned yet (Unprocessed) [320]  
Page 156, 6.6 SP paragraph

indicates s/b specifies

HP 190) No title assigned yet (Unprocessed) [321]  
Page 156, 6.6

Change "may be found" to "is"

HP 191) No title assigned yet (Unprocessed) [322]  
Page 157, Table 93

As part of deleting the per initiator port mode page policy, Delete "Per initiator port A separate copy of the mode page for each SCSI initiator port with each copy shared by all SCSI target ports."

HP 192) No title assigned yet (Unprocessed) [323]  
Page 157, 6.7

indicates s/b specifies

HP 193) No title assigned yet (Unprocessed) [324]  
Page 157, 6.7

indicates s/b specifies

HP 194) No title assigned yet (Unprocessed) [325]  
Page 157, 6.7

Move "(see SAM-3)" after "unit attention condition"

HP 195) No title assigned yet (Unprocessed) [326]  
Page 157, 6.7

Delete "initiator ports and" which is not needed once the "per initiator port" policy disappears

HP 196) No title assigned yet (Unprocessed) [327]  
Page 158, 6.7

indicates s/b specifies

HP 197) No title assigned yet (Unprocessed) [328]  
Page 158, 6.7

indicates s/b specifies

HP 198) No title assigned yet (Unprocessed) [329]  
Page 158, 6.7

indicates s/b specifies

HP 199) No title assigned yet (Unprocessed) [330]  
Page 159, 6.9.1

Move the DBD paragraph below table 95

HP 200) No title assigned yet (Unprocessed) [331]  
Page 159, 6.9.1

indicates s/b specifies

HP 201) No title assigned yet (Unprocessed) [332]  
Page 160, 6.9.1

Add "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 202) No title assigned yet (Unprocessed) [333]  
Page 160, table 96

"Page control field" s/b "Page control (PC) field"

HP 203) No title assigned yet (Unprocessed) [334]  
Page 160, 6.9.1

"Some SCSI devices may not distinguish between current and saved mode parameters and report identical values in response to a PC field of either 00b or 11b." but below says if 11b is selected but the device doesn't support saved values, it shall return a CHECK CONDITION. So, they cannot report identical values through 11b.



HP 204) No title assigned yet (Unprocessed) [335]  
Page 164, Table 99

Expand the ALLOCATION LENGTH field in PR IN to 4 bytes. In very large systems using a different key for each I\_T nexus, it is not big enough to return all the keys (limit of 8191 today for READ KEYS, 2729 for READ FULL STATUS).

HP 205) No title assigned yet (Unprocessed) [336]  
Page 164, 6.11.1

Replace "The PERSISTENT RESERVE IN parameter data includes a field that indicates the number of parameter data bytes available to be returned. The ALLOCATION LENGTH field in the CDB indicates how much space has been allocated for the returned parameter list. An allocation length that is not sufficient to contain the entire parameter list shall not be considered an error. If the complete list is required, the application client should send a new PERSISTENT RESERVE IN command with allocation length large enough to contain the entire list."

with:

"The ALLOCATION LENGTH field is defined in 4.3.4.6. The ALLOCATION LENGTH field should be set to a value large enough to return the length field in the parameter data header for the specified service action."

HP 206) No title assigned yet (Unprocessed) [337]  
Page 165, 6.11.2

Delete "If the allocation length specified by the PERSISTENT RESERVE IN command is not sufficient to contain the entire parameter list, then only the first portion of the list (byte 0 to the allocation length) shall be sent to the application client. The incremental remaining bytes shall be truncated, although the ADDITIONAL LENGTH field shall still contain the actual number of bytes in the reservation key list without consideration of any truncation resulting from an insufficient allocation length. This shall not be considered an error." which is covered by the general ALLOCATION LENGTH definition.

HP 207) No title assigned yet (Unprocessed) [338]  
Page 165, 6.11.2

Change "that have registered with the device server through all combinations of initiator ports and target ports." to "that have been registered."

HP 208) No title assigned yet (Unprocessed) [339]  
Page 166, 6.11.3.2

Delete "If the allocation length specified by the PERSISTENT RESERVE IN command is not sufficient to contain the entire parameter list, then only the first portion of the list (i.e., byte 0 to the allocation length) shall be sent to the application client. The incremental remaining bytes shall be truncated, although the ADDITIONAL LENGTH field shall still contain 16. This shall not be considered an error." which is covered by the standard ALLOCATION LENGTH definition.

HP 209) No title assigned yet (Unprocessed) [340]  
Page 166, 6.11.3.2

hall s/b shall

HP 210) No title assigned yet (Unprocessed) [341]  
Page 167, 6.11.3.4

"value in the TYPE field (see table 105) shall specify" s/b "The TYPE field (see table 105) specifies"

HP 211) No title assigned yet (Unprocessed) [342]  
Page 167, 6.11.3.3

Change "value in the SCOPE field shall be LU\_SCOPE (see table 104), indicating" to "The SCOPE field (see table 104) shall be set to LU\_SCOPE, specifying"

HP 212) No title assigned yet (Unprocessed) [343]  
Page 167, 6.11.3.4

Reservations s/b reservations

HP 213) No title assigned yet (Unprocessed) [344]  
Page 168, 6.11.4

Delete "If the ALLOCATION LENGTH field in the CDB is too small to transfer all of the parameter data, the length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 214) No title assigned yet (Unprocessed) [345]  
Page 170, 6.11.5

Delete "If the allocation length specified by the PERSISTENT RESERVE IN command is not sufficient to contain the entire parameter list, then only the first portion of the list (i.e., byte 0 to the allocation length) shall be sent to the application client. The incremental remaining bytes shall be truncated, although the ADDITIONAL LENGTH field shall still contain the actual number of bytes of full status descriptor(s) and shall not be affected by the truncation. This shall not be considered an error." which is covered by the general ALLOCATION LENGTH definition.

HP 215) No title assigned yet (Unprocessed) [346]  
Page 172, Table 110

The PARAMETER LIST LENGTH field in PR OUT should be expanded to 4 bytes. With the specify initiator ports feature and lengthy iSCSI port identifiers, the 64KB limit is reachable on big systems.

HP 216) No title assigned yet (Unprocessed) [347]  
Page 177, table 114

Add information about the PR Out command and parameter fields for the REGISTER AND MOVE SERVICE ACTION.

HP 217) No title assigned yet (Unprocessed) [348]  
Page 179, 6.12.4 SARK paragraph

Change to 'The SERVICE ACTION RESERVATION KEY field contains the reservation key to be registered to the I\_T nexus specified in the TransportID.'

HP 218) No title assigned yet (Unprocessed) [349]  
Page 179, 6.12.4

Change 'a' to "the" in "a TransportID"

HP 219) No title assigned yet (Unprocessed) [350]  
Page 180, table 117

Delete "PREVENT ALLOW MEDIUM REMOVAL"

HP 220) No title assigned yet (Unprocessed) [351]  
Page 180, 6.13 PREVENT ALLOW MEDIUM REMOVAL command

Incorporate "04-349 SPC-3 Incorporate MMC-4 PREVENT ALLOW MEDIUM REMOVAL features" into this section.

HP 221) No title assigned yet (Unprocessed) [352]  
Page 182, 6.14.1

Replace: "The ALLOCATION LENGTH field specifies how many bytes have been allocated for the returned parameter list. If the length is not sufficient to contain the entire parameter list, the first portion of the list shall be returned. This shall not be considered an error. If the remainder of the list is required, the application client should either send a new READ ATTRIBUTE command with an allocation length large enough to contain the entire parameter list or use the FIRST ATTRIBUTE IDENTIFIER field to restrict the attributes returned." with: "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 222) No title assigned yet (Unprocessed) [353]  
Page 183, 6.14.2

Delete "If the parameter list is truncated as a result of insufficient allocation length, the contents of the AVAILABLE DATA field shall not be altered." which is covered by the general ALLOCATION LENGTH definition.

HP 223) No title assigned yet (Unprocessed) [354]  
Page 184, 6.14.3

Delete "If the parameter list is truncated as a result of insufficient allocation length, the contents of the AVAILABLE DATA field shall not be altered." which is covered by the general ALLOCATION LENGTH definition.

HP 224) No title assigned yet (Unprocessed) [355]  
Page 185, 6.15.1

Add "If the mode field is set to a value other than 01h, the ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 225) No title assigned yet (Unprocessed) [356]  
Page 185, 6.15.1, table 125, row 0Ah

Change "Echo buffer" to "Read echo buffer data" also change corresponding subclause header

HP 226) No title assigned yet (Unprocessed) [357]  
Page 185, table 125. row 1Ah

Change "Echo buffer" to "read echo buffer data" also change corresponding subclause header

HP 227) No title assigned yet (Unprocessed) [358]  
Page 185, table 125

Change "Data" to "Read data" to parallel WRITE BUFFER also change corresponding subclause header

HP 228) No title assigned yet (Unprocessed) [359]  
Page 185, table 125

Change "Combined header and data" to "Read combined header and data" to parallel WRITE BUFFER also change corresponding subclause header

HP 229) No title assigned yet (Unprocessed) [360]  
Page 185, table 125

Change "Echo buffer descriptor" to "Read echo buffer descriptor" also change corresponding subclause header

HP 230) No title assigned yet (Unprocessed) [361]  
Page 185, table 125

Change "Descriptor" to "Read descriptor" also change corresponding subclause header

HP 231) No title assigned yet (Unprocessed) [362]  
Page 185, Add table footnote 01h

Mode 01h is not recommended because the BUFFER ID field, BUFFER OFFSET field, and ALLOCATION LENGTH field are vendor-specific.

HP 232) No title assigned yet (Unprocessed) [363]  
Page 186, 6.15.2

Delete "the allocation length; nor is it reduced to reflect" which is covered by the general definition of ALLOCATION LENGTH

HP 233) No title assigned yet (Unprocessed) [364]  
Page 186, 6.15.2

Delete "The device server shall terminate filling the Data-In Buffer when allocation length bytes of header plus data have been transferred or when all available header and buffer data have been transferred to the application client, whichever is less." which is covered by the general ALLOCATION LENGTH definition.

HP 234) No title assigned yet (Unprocessed) [365]  
Page 186, 6.15.4

Delete "The device server shall terminate filling the Data-In Buffer when allocation length bytes have been transferred or when all the available data from the buffer has been transferred to the application client, whichever amount is less." which is covered by the general ALLOCATION LENGTH description.

HP 235) No title assigned yet (Unprocessed) [366]  
Page 186, 6.15.2

Expand table 126 to show the entire parameter data, not just the header: Change table title to "Combined header and data mode parameter data." or "Parameter data for combined header and data mode" Add 4 .. n containing "Data".

HP 236) No title assigned yet (Unprocessed) [367]  
Page 186, 6.15.4

Add a Data mode parameter data table showing the parameter data returned - just 0..n of "Data"

HP 237) No title assigned yet (Unprocessed) [368]  
Page 186, 6.15.2

Add "The allocation length field should be set to 000004h or greater."

HP 238) No title assigned yet (Unprocessed) [369]  
Page 186, 6.15.5

Change "The allocation length should be set to four or greater" to: "The ALLOCATION LENGTH field should be set to a value of 000004h or greater so the full descriptor is retrieved."

HP 239) No title assigned yet (Unprocessed) [370]  
Page 186, 6.15.5

"Descriptor mode" s/b "Read descriptor mode" to match table (modified per other comment)

HP 240) No title assigned yet (Unprocessed) [371]  
Page 186, 6.15.2

"Combined header and data mode" s/b "Read combined header and data mode" to match table 125 and other comment

HP 241) No title assigned yet (Unprocessed) [372]  
Page 186, 6.15.4

"Data mode" s/b "Read data mode" to match table 125 and other comment

HP 242) No title assigned yet (Unprocessed) [373]  
Page 187, 6.15.5

Delete "The device server shall transfer the lesser of the allocation length or four bytes of READ BUFFER descriptor." which is covered by the general ALLOCATION LENGTH definition.

HP 243) No title assigned yet (Unprocessed) [374]  
Page 187, 6.15.5

Change table 127 title to Descriptor mode parameter data

HP 244) No title assigned yet (Unprocessed) [375]  
Page 187, 6.15.6

Add an Echo buffer data mode parameter data table, showing 0..n of "Echo buffer data"

HP 245) No title assigned yet (Unprocessed) [376]  
Page 187, 6.15.6

"Read Data from echo buffer" s/b "Read echo buffer data" to match table 125 and other comment

HP 246) No title assigned yet (Unprocessed) [377]  
Page 187, 6.15.6

Change "when the WRITE BUFFER command with the mode field set to echo buffer was issued." to "written by the previous WRITE BUFFER command (see 6.33.9 and 6.33.10)."

HP 247) No title assigned yet (Unprocessed) [378]  
Page 187, 6.15.5

Delete "limited by the allocation length as described in 4.3.4.6." which is covered by 4.3.4.6. The ALLOCATION LENGTH field definition points there already (assuming another comment is implemented adding it)

HP 248) No title assigned yet (Unprocessed) [379]  
Page 188, table 129

Add horizontal line under (MSB) and above (LSB)

HP 249) No title assigned yet (Unprocessed) [380]  
Page 188, 6.15.8

Change "Echo buffer" to "Read echo buffer data" to match table 125 and other comment

HP 250) No title assigned yet (Unprocessed) [381]  
Page 188, 6.15.7

Delete "The device server shall transfer the lesser of the allocation length or four bytes of READ BUFFER descriptor." which is covered by the general definition of ALLOCATION LENGTH.

HP 251) No title assigned yet (Unprocessed) [382]  
Page 188, 6.15.7

Change "The allocation length should be set to four or greater." to: "The ALLOCATION LENGTH field should be set to a value of 000004h or greater so the full echo buffer descriptor is retrieved."

HP 252) No title assigned yet (Unprocessed) [383]  
Page 188, 6.15.7

"Echo buffer descriptor mode" s/b "Read echo buffer descriptor mode" to match table 125 and other comment

HP 253) No title assigned yet (Unprocessed) [384]  
Page 189, 6.16

Replace "The ALLOCATION LENGTH field specifies how many bytes have been allocated for the returned parameter data. If the length is not sufficient to contain the entire parameter data, the first portion of the data shall be returned (see 4.3.4.6). This shall not be considered an error." with "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 254) No title assigned yet (Unprocessed) [385]  
Page 189, 6.16

Delete "The media serial number length shall not be adjusted due to an insufficient allocation length." which is covered by the general ALLOCATION LENGTH definition.

HP 255) No title assigned yet (Unprocessed) [386]  
Page 190, 6.16

Would be helpful to cover the case where media is physically present but not logically loaded - e.g. "partial load" state where MAM is accessible, hence media serial number can still be read.

Proposed Solution:

"If there is currently no accessible media in the device, the command shall be terminated with CHECK CONDITION status, with the sense key set to NOT READY, and the additional sense code set to MEDIUM NOT PRESENT."

HP 256) No title assigned yet (Unprocessed) [387]  
Page 191, 6.17.1

Change "The ALLOCATION LENGTH field in the CDB indicates how much space has been allocated for the returned parameter list. If the length is not sufficient to contain the entire parameter list, the first portion of the list shall be returned. This shall not be considered an error. If the remainder of the list is required, the application client should send a new RECEIVE COPY RESULTS command with an ALLOCATION LENGTH field large enough to contain the entire parameter list." to "The ALLOCATION LENGTH field is defined in 4.3.4.6. See the service action definitions for additional requirements." (some service actions clear their data if allocation length is 0, and don't clear it if >0 but not big enough to return all their data)

HP 257) No title assigned yet (Unprocessed) [388]  
Page 191, table 133

Add a Reference row pointing to 6.17.2, 6.17.3, 6.17.4, and 6.17.5

HP 258) No title assigned yet (Unprocessed) [389]  
Page 193, table 135

Value s/b Code

HP 259) No title assigned yet (Unprocessed) [390]  
Page 193, table 136

Value s/b Code

HP 260) No title assigned yet (Unprocessed) [391]  
Page 193, table 135

values s/b field

HP 261) No title assigned yet (Unprocessed) [392]  
Page 193, table 136

values s/b field

HP 262) No title assigned yet (Unprocessed) [393]  
Page 193, table 136

Delete "COPY STATUS"

HP 263) No title assigned yet (Unprocessed) [394]  
Page 200, 6.18

Add: "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 264) No title assigned yet (Unprocessed) [395]  
Page 201, 6.19

described s/b defined

HP 265) No title assigned yet (Unprocessed) [396]  
Page 202, 6.19

Delete "The ADDITIONAL LENGTH field shall contain the actual number of bytes available in the parameter data and shall not be changed if the CDB contains an insufficient allocation length." which is covered by the general ALLOCATION LENGTH definition.

HP 266) No title assigned yet (Unprocessed) [397]  
Page 202, 6.19

Delete "and shall not be changed if the CDB contains an insufficient allocation length." which is covered by the general ALLOCATION LENGTH definition.

HP 267) No title assigned yet (Unprocessed) [398]  
Page 203, 6.20

Replace "The ALLOCATION LENGTH field indicates how many bytes have been allocated for the returned parameter data. If the length is not sufficient to contain all the parameter data, the first portion of the data shall be returned. This shall not be considered an error. The actual length of the parameter data is available in the IDENTIFIER LENGTH field in the parameter data. If the remainder of the parameter data is required, the application client should send a new REPORT DEVICE IDENTIFIER command with an ALLOCATION LENGTH field large enough to contain all the data." with "The ALLOCATION LENGTH field is defined in 6.3.4.6"

HP 268) No title assigned yet (Unprocessed) [399]  
Page 203, 6.20

Delete "If the ALLOCATION LENGTH field in the CDB is too small to transfer all of the identifier, the length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 269) No title assigned yet (Unprocessed) [400]  
Page 205, 6.21

Add "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 270) No title assigned yet (Unprocessed) [401]  
Page 205, 6.21

Delete "If the allocation length is not sufficient to contain the entire logical unit inventory, the device server shall report as many logical unit number values as fit in the specified allocation length. This shall not be considered an error." which is covered by the general ALLOCATION LENGTH definition. As note 36 indicates, this is the command that once had different behavior; it no longer does.



HP 271) No title assigned yet (Unprocessed) [402]  
Page 205, 6.21

Change "The allocation length should be at least 16 bytes." to: "The ALLOCATION LENGTH field should be set to a value of 00000010h or greater so the full first LUN field in the parameter data is retrieved."

HP 272) No title assigned yet (Unprocessed) [403]  
Page 205, table 146 title

"Select report code values" s/b "SELECT REPORT field"

HP 273) No title assigned yet (Unprocessed) [404]  
Page 206, 6.21

Delete "The LUN list length is the number of logical unit numbers in the logical unit inventory multiplied by eight. If the allocation length in the CDB is too small to transfer information about the entire logical unit inventory, the LUN list length value shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 274) No title assigned yet (Unprocessed) [405]  
Page 206, table 147

N should be lowercase

HP 275) No title assigned yet (Unprocessed) [406]  
Page 206, "if the inventory list is null for the requesting L\_T nexus, the

device server shall provide a default logical unit inventory that contains at least LUN 0 or the REPORT LUNS well known logical unit" This doesn't cover the case of when the only accessible LUNs are W-LUNs, but SELECT REPORT is set to 00h. Under the existing rules, the list cannot contain LUN 0 since that LUN does not exist; it cannot contain the W-LUNs because the SELECT REPORT field is 00h (the list is not allowed to include well-known LUNs).

HP 276) No title assigned yet (Unprocessed) [407]  
Page 206, 6.21

Add: See SAM-3 for the effects that processing this command in one logical unit has on other logical units in the SCSI target device.

HP 277) No title assigned yet (Unprocessed) [408]  
Page 206, 6.21

"REPORT LUNS data" s/b "REPORT LUNS parameter data"

HP 278) No title assigned yet (Unprocessed) [409]  
Page 207, 6.22

Change nexus to nexus(es)

HP 279) No title assigned yet (Unprocessed) [410]  
Page 207, 6.22

PRIORITY s/b PRIORITY

HP 280) No title assigned yet (Unprocessed) [411]  
Page 207, 6.22

Replace "The ALLOCATION LENGTH field specifies the number of bytes that have been allocated for the returned parameter data. An allocation length that is not sufficient to contain the entire parameter list shall not be considered an error. If the complete list is required, the application client should send a new REPORT PRIORITY command with an allocation length large enough to contain the entire list." with "The ALLOCATION LENGTH field is defined in 4.3.4.6. The ALLOCATION LENGTH field should be set to a value of 0000004h or greater so the full PRIORITY PARAMETER DATA LENGTH field in the parameter data is retrieved."

HP 281) No title assigned yet (Unprocessed) [412]  
Page 207, table 148

Delete "(4h or larger)" since it is not an error to use less than 4h.

HP 282) No title assigned yet (Unprocessed) [413]  
Page 208, table 150

descriptors s/b descriptor list

HP 283) No title assigned yet (Unprocessed) [414]  
Page 209, table 152/158

The REPORT SUPPORTED OPERATION CODES table uses 4 rows for bytes 6/7/8/9, but the REPORT SUPPORT TASK MANAGEMENT FUNCTIONS table combines them into two rows 6-9. Make them consistent.

HP 284) No title assigned yet (Unprocessed) [415]  
Page 210, 6.23.1

Replace "The ALLOCATION LENGTH field specifies the number of bytes that have been allocated for the returned parameter data. If the length is not sufficient to contain all the parameter data, the first portion of the data shall be returned. This shall not be considered an error. The actual length of the parameter data may be determined from the ADDITIONAL LENGTH field in the parameter data. If the remainder of the parameter data is required, the application client should send a new REPORT SUPPORTED OPERATION CODES command with an allocation length large enough to contain all the data." with "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 285) No title assigned yet (Unprocessed) [416]  
Page 211, table 154

Commands s/b "Command descriptors" or "Command descriptor list"

HP 286) No title assigned yet (Unprocessed) [417]  
Page 213, 6.24

indicates s/b specifies

HP 287) No title assigned yet (Unprocessed) [418]  
Page 213, 6.24

Why does REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS have special rules about its ALLOCATION LENGTH field (shall be 4h or larger)? I think it could follow the rules in 4.3.4.6 without problem. If the application client only requests 1,2, or 3 bytes, so what?

HP 288) No title assigned yet (Unprocessed) [419]  
Page 213, 6.23

"CONTROL byte" s/b "CDB CONTROL byte"

HP 289) No title assigned yet (Unprocessed) [420]  
Page 214, 6.24

SAM-3 s/b SAM-2 since TARGET RESET is gone from SAM-3

HP 290) No title assigned yet (Unprocessed) [421]  
Page 214, 6.24

After "WAKEUP task management function" add "(see SAM-2)"

HP 291) No title assigned yet (Unprocessed) [422]  
Page 215, 6.25

Replace "The ALLOCATION LENGTH field indicates how much space has been allocated for the returned parameter data. If the length is not sufficient to contain all the parameter data, the first portion of the data shall be returned. This shall not be considered an error. The actual length of the parameter data is available in the RETURN DATA LENGTH field in the parameter data. If the remainder of the parameter data is required, the application client should send a new REPORT TARGET PORT GROUPS command with an ALLOCATION LENGTH field large enough to contain all the data." with "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 292) No title assigned yet (Unprocessed) [423]  
Page 216, table 161

"descriptor(s)" s/b "descriptor list"

HP 293) No title assigned yet (Unprocessed) [424]  
Page 216, 6.25

Delete "If the allocation length in the CDB is too small to transfer all of the descriptors, the RETURN DATA LENGTH field shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 294) No title assigned yet (Unprocessed) [425]  
Page 217, table 163

Value s/b Code

HP 295) No title assigned yet (Unprocessed) [426]  
Page 217, table 164

Value s/b Code

HP 296) No title assigned yet (Unprocessed) [427]  
Page 217, table 163

change "Asymmetric access state" to "ASYMMETRIC ACCESS STATE field"

HP 297) No title assigned yet (Unprocessed) [428]  
Page 218, 6.26

device server s/b logical unit

HP 298) No title assigned yet (Unprocessed) [429]  
Page 218, 6.26

Replace "The ALLOCATION LENGTH field specifies how many bytes have been allocated for the returned sense data. An allocation length that is not sufficient to contain all of the sense data shall not be considered an error." with "The ALLOCATION LENGTH field is defined in 4.3.4.6."

HP 299) No title assigned yet (Unprocessed) [430]  
Page 218, 6.26

Change "since the REQUEST SENSE command" to "since a REQUEST SENSE command with any allocation length"

HP 300) No title assigned yet (Unprocessed) [431]  
Page 218, 6.26

indicates s/b specifies

HP 301) No title assigned yet (Unprocessed) [432]  
Page 219, 6.26

"LOW POWER CONDITION ON"

s/b

"one of the following:

- a) LOW POWER CONDITION ON if the reason for entry into the standby power condition or idle power condition is unknown;
- b) IDLE CONDITION ACTIVATED BY TIMER if the logical unit entered the idle power condition due to the idle condition timer (see 7.4.12);
- c) STANDBY CONDITION ACTIVATED BY TIMER if the logical unit entered the standby power condition due to the idle condition timer (see 7.4.12);
- d) IDLE CONDITION ACTIVATED BY COMMAND if the logical unit entered the idlepower condition due to a START STOP UNIT command (see SBC-2 or RBC);
- e) STANDBY CONDITION ACTIVATED BY COMMAND if the logical unit entered the standby power condition due to a START STOP UNIT command (see SBC-2 or RBC)."

HP 302) No title assigned yet (Unprocessed) [433]  
Page 219, 6.26

If the logical unit considers itself in standby or idle power condition mode, but a background self-test is running, which has priority: returning the power condition state or returning the background operation progress?

HP 303) No title assigned yet (Unprocessed) [434]  
Page 219, 6.26

Change "logical unit that the SCSI target device supports, but to which the peripheral device is not currently attached," to "logical unit which reports a peripheral qualifier of 001b in its standard INQUIRY data (see 6.4.2)"

HP 304) No title assigned yet (Unprocessed) [435]  
Page 219, 6.26

Change "logical unit that is attached but not operational," to "logical unit which reports a peripheral qualifier of 000b in its standard INQUIRY data (see 6.4.2) because it has a peripheral device connected, but is not ready for access"

HP 305) No title assigned yet (Unprocessed) [436]  
Page 219, 6.26

Change " logical unit that the SCSI target device is incapable of determining if the peripheral device is attached or is not operational when the peripheral device is not ready," to: "logical unit which reports a peripheral qualifier of 000b in its standard INQUIRY data (see 6.4.2) because the device server is unable to determine whether or not a peripheral device is connected"

HP 306) No title assigned yet (Unprocessed) [437]  
Page 219, 6.26

Change "logical unit that the SCSI target device does not support" to "logical unit which reports a peripheral qualifier of 011b in its standard INQUIRY data (see 6.4.2)"

HP 307) No title assigned yet (Unprocessed) [438]  
Page 219, 6.26

Change "data" to "parameter data"

HP 308) No title assigned yet (Unprocessed) [439]  
Page 220, table 168 001b

"contain" s/b "be set to"

HP 309) No title assigned yet (Unprocessed) [440]  
Page 220, table 168 010b

"contain" s/b "be set to"

HP 310) No title assigned yet (Unprocessed) [441]  
Page 220, table 168 101b

"contain" s/b "be set to"

HP 311) No title assigned yet (Unprocessed) [442]  
Page 220, table 168 110b

"contain" s/b "be set to"

HP 312) No title assigned yet (Unprocessed) [443]  
Page 220, table 168

Value s/b Code

HP 313) No title assigned yet (Unprocessed) [444]  
Page 220, table 168

Delete "values"

HP 314) No title assigned yet (Unprocessed) [445]  
Page 221, 6.27

"directs the device server to perform" s/b "requests that the device server perform"

HP 315) No title assigned yet (Unprocessed) [446]  
Page 222, 6.28

indicates s/b specifies

HP 316) No title assigned yet (Unprocessed) [447]  
Page 224, table 172

nexus s/b nexuses

HP 317) No title assigned yet (Unprocessed) [448]  
Page 224, table 172

nexus s/b nexuses

HP 318) No title assigned yet (Unprocessed) [449]  
Page 224, 6.29

PARAMETER LIST LENGTH s/b small caps

HP 319) No title assigned yet (Unprocessed) [450]  
Page 224, 6.29

indicates s/b specifies

HP 320) No title assigned yet (Unprocessed) [451]  
Page 225, 6.29

indicates s/b specifies

HP 321) No title assigned yet (Unprocessed) [452]  
Page 226, 6.30

indicates s/b specifies

HP 322) No title assigned yet (Unprocessed) [453]  
Page 227, table 175

"descriptor(s)" s/b "descriptor list"

HP 323) No title assigned yet (Unprocessed) [454]  
Page 227, table 177

Value s/b Code

HP 324) No title assigned yet (Unprocessed) [455]  
Page 227, table 177

change "Asymmetric access state" to "ASYMMETRIC ACCESS STATE field"

HP 325) No title assigned yet (Unprocessed) [456]  
Page 228, table 179

Delete "GOOD/NO SENSE/NO ADDITIONAL SENSE INFORMATION or other valid additional sense code." For autosense protocols, GOOD status is not accompanied by any sense data. SAM-3's Execute Command model says the Sense Data argument is only present if the Status is CHECK CONDITION. Also delete GOOD in the paragraph above the table.

HP 326) No title assigned yet (Unprocessed) [457]  
Page 228, above table 179

delete "GOOD and"

HP 327) No title assigned yet (Unprocessed) [458]  
Page 229, 6.32

04-327r1 does not contain an HPQ #327 comment. However, the text in this comment is appended to comment HPQ #326, but also looks as if it should be comment HPQ #327.

indicates s/b specifies

HP 328) No title assigned yet (Unprocessed) [459]  
Page 232, 6.33.2

after "with the sense key set to ILLEGAL REQUEST." add "and the additional sense code set to INVALID FIELD IN CDB."

HP 329) No title assigned yet (Unprocessed) [460]  
Page 232, table 183

Change "Echo buffer" to "Write echo buffer data" for consistency also change corresponding subclause header

HP 330) No title assigned yet (Unprocessed) [461]  
Page 232, table 183

Change "Echo buffer" to "write echo buffer data" for consistency also change corresponding subclause header

HP 331) No title assigned yet (Unprocessed) [462]  
Page 232, 6.33.2

Add a "Write combined header and data mode parameter list" table

HP 332) No title assigned yet (Unprocessed) [463]  
Page 232, 6.33.2 header

Change "Combined" to "Write combined"

HP 333) No title assigned yet (Unprocessed) [464]  
Page 232, 6.33.4

Change "Data" to "Write data"

HP 334) No title assigned yet (Unprocessed) [465]  
Page 232, 6.33.4

Add a "Write data mode parameter list" table showing 0..n of Data

HP 335) No title assigned yet (Unprocessed) [466]  
Page 232, note 39

"and0 001h" s/b "and 01h"

HP 336) No title assigned yet (Unprocessed) [467]  
Page 232, notes 39-40

Change these notes to:

39 Mode 00h is not recommended (because why?).

40 Modes 01h, 04h, and 05h are not recommended because the BUFFER ID field, the BUFFER OFFSET field, and the PARAMETER LIST LENGTH field are vendor-specific.

HP 337) No title assigned yet (Unprocessed) [468]  
Page 232, notes 39-40

Consider making these table footnotes instead of notes in the main body.

HP 338) No title assigned yet (Unprocessed) [469]  
Page 233, 6.33.7

Change "offsets" to "offsets mode"

HP 339) No title assigned yet (Unprocessed) [470]  
Page 235, 6.33.9

Add "Write echo buffer data mode parameter list" table showing 0..n Echo buffer data

HP 340) No title assigned yet (Unprocessed) [471]  
Page 235, 6.33.9

Change "Write data to echo buffer" to "Write echo buffer data mode"

HP 341) No title assigned yet (Unprocessed) [472]  
Page 235, 6.33.9

"initiator ports" s/b "I\_T nexuses"



HP 342) No title assigned yet (Unprocessed) [473]  
Page 236, 6.33.10

Change "Echo buffer" to "write echo buffer data mode"

HP 343) No title assigned yet (Unprocessed) [474]  
Page 236, 6.33.11

04-327r1 does not contain an HPQ #343 comment. However, the text in this comment is appended to comment HPQ #342, but also looks as if it should be comment HPQ #343.

Change "protocol" to "protocol mode"

HP 344) No title assigned yet (Unprocessed) [475]  
Page 236, 6.33.12

Change "log" to "log mode"

HP 345) No title assigned yet (Unprocessed) [476]  
Page 237, 6.33.13

Change "Application log data WRITE BUFFER format" to "Download application log mode parameter list"

HP 346) No title assigned yet (Unprocessed) [477]  
Page 238, table 185

Value s/b Code

HP 347) No title assigned yet (Unprocessed) [478]  
Page 238, table 186

Value s/b Code

HP 348) No title assigned yet (Unprocessed) [479]  
Page 238, table 187

Value s/b Code

HP 349) No title assigned yet (Unprocessed) [480]  
Page 238, table 185

Change "Error type values" to "ERROR TYPE field"

HP 350) No title assigned yet (Unprocessed) [481]  
Page 238, table 186

Change "Code set values" to "CODE SET field"

HP 351) No title assigned yet (Unprocessed) [482]  
Page 238, table 187

Change "Error location format values" to "ERROR LOCATION FORMAT field"

HP 352) No title assigned yet (Unprocessed) [483]  
Page 244, table 192

Make byte 2 into two rows, showing the name "PARAMETER CONTROL" encompassing the whole byte

HP 353) No title assigned yet (Unprocessed) [484]  
Page 244, 7.2.1 DU paragraph

"nor" is wrong here. The basic sentence construct is "The DU bit is not defined for <a> nor <b>".

It should be: "The DU bit is not defined for <a> or <b>" or: "The DU bit is not defined for <a> and is not defined for <b>"

HP 354) No title assigned yet (Unprocessed) [485]  
Page 244, 7.2.1

Change "any log" to "any such" so this sentence only applies to log parameters with PC or LP (referred to in the previous sentence).

HP 355) No title assigned yet (Unprocessed) [486]  
Page 245, table 193 01b

"equal" s/b "equal to"

HP 356) No title assigned yet (Unprocessed) [487]  
Page 245, table 193 10b

"not equal" s/b "not equal to"

HP 357) No title assigned yet (Unprocessed) [488]  
Page 245, 7.2.1

"The LBIN bit" s/b "The list binary (LBIN) bit"

HP 358) No title assigned yet (Unprocessed) [489]  
Page 245, 7.2.1 LBIN paragraph

"a list of binary information." s/b "binary data."

HP 359) No title assigned yet (Unprocessed) [490]  
Page 248, Table 195

use double lines (to match table 108) around Application client log parameters

HP 360) No title assigned yet (Unprocessed) [491]  
Page 249, 7.2.3 below table 198

Replace "the SCSI bus" with a modern SAM-3 term.

HP 361) No title assigned yet (Unprocessed) [492]  
Page 249, 7.2.3

Delete "The cause of this problem is protocol specific." It could be the application client's fault, too, which has nothing to do with the protocol.

HP 362) No title assigned yet (Unprocessed) [493]  
Page 250, Table 199

Replace "failed reconnect" with a modern SAM-3 term

HP 363) No title assigned yet (Unprocessed) [494]  
Page 250, Table 200

Replace Bus with a modern SAM-3 term

HP 364) No title assigned yet (Unprocessed) [495]  
Page 250, Note 45

Change "Direct-access" to "Direct-access block"

HP 365) No title assigned yet (Unprocessed) [496]  
Page 258, table 213

Value s/b Code

HP 366) No title assigned yet (Unprocessed) [497]  
Page 258, table 213

change "Self-test results values" to "SELF-TEST RESULTS field"

HP 367) No title assigned yet (Unprocessed) [498]  
Page 262, 7.2.13

The current text, "and may be either omitted or set to a value indicating that the parameter is not defined" partially duplicates the specification given in the second paragraph of the next page (the paragraph discussing the Reference Temperature). Change to "shall implement parameter 0000h and may implement parameter 0001h."

HP 368) No title assigned yet (Unprocessed) [499]  
Page 263, table 220

"ETC is 0" s/b using small caps "the ETC bit is set to zero"

HP 369) No title assigned yet (Unprocessed) [500]  
Page 275, Table 232

Delete

0 - n  
0 - n  
0 - n

There is always a header present, so the block descriptor cannot start on byte 0. It would have to start at "n+1".

HP 370) No title assigned yet (Unprocessed) [501]  
Page 275, Table 232

Change "Page(s)" to "Mode page(s)"

HP 371) No title assigned yet (Unprocessed) [502]  
Page 275, table 232

"descriptor(s)" s/b "descriptor list"

HP 372) No title assigned yet (Unprocessed) [503]  
Page 276, 7.4.3

Twice in the LONGLBA paragraph: Change "descriptors are" to descriptor(s), if any, are each"

HP 373) No title assigned yet (Unprocessed) [504]  
Page 276, 7.4.3 BLOCK DESCRIPTOR LENGTH paragraph

Delete "or vendor specific parameters," since table 232 doesn't mention "Vendor specific parameters" as being part of the general format.

HP 374) No title assigned yet (Unprocessed) [505]  
Page 277, 7.4.4.1 first paragraph

Change "direct-access" to "direct-access block devices"

HP 375) No title assigned yet (Unprocessed) [506]  
Page 277, 7.4.4.1 first paragraph

Add "See SBC-2 for the mode parameter block descriptor format for direct-access block devices."

HP 376) No title assigned yet (Unprocessed) [507]  
Page 277, 7.4.4.1

Remove spaces in FF FF FFh

HP 377) No title assigned yet (Unprocessed) [508]  
Page 277, 7.4.4.1

Remove capitalization of FIELDS.

HP 378) No title assigned yet (Unprocessed) [509]  
Page 278, 7.4.5 Each mode page contains...

Start the list with "a PS bit, an SPF bit," Move this sentence above the SPGFparagraph

HP 379) No title assigned yet (Unprocessed) [510]  
Page 278, 2nd to last para on page 278, below table 237

Change this to that to match previous sentence

HP 380) No title assigned yet (Unprocessed) [511]  
Page 279, Above table 238

Change "is permitted" to "may"

HP 381) No title assigned yet (Unprocessed) [512]  
Page 279, 7.4.5

"The logical unit is permitted to implement a mode page that is less than the full mode page length defined in this standard," Does this rule apply to all mode pages, or just the ones defined in SPC-3? If it applies to all mode pages, then delete "in this standard"

HP 382) No title assigned yet (Unprocessed) [513]  
Page 280, 7.4.6 Control mode page

As part of deleting the per initiator port mode page policy, delete "per initiator port,"

HP 383) No title assigned yet (Unprocessed) [514]  
Page 280, 7.4.6 Control mode page

As part of deleting the per initiator port mode page policy, delete "per-initiator port or"

HP 384) No title assigned yet (Unprocessed) [515]  
Page 280, Table 240 Task set type

Change "initiator ports" to "I\_T nexus(es)".

HP 385) No title assigned yet (Unprocessed) [516]  
Page 280, Table 240 - Task set type

Change "initiator port regardless of target port" to "I\_T nexus"

HP 386) No title assigned yet (Unprocessed) [517]  
Page 280, 7.4.6 TST paragraph

Change "If the mode page policy for this mode page is per-initiator port or per-I\_T nexus, the TST field, if changeable, shall reflect in the mode pages for all initiator ports the state selected by the most recent MODE SELECT from any initiator port (i.e., the TST field is always shared)." to: Regardless of the mode page policy (see SPC-3) for this mode page, the shared mode page policy shall be applied to the TST field."

HP 387) No title assigned yet (Unprocessed) [518]  
Page 280, 7.4.6 TST paragraph

After "MODE SELECT" add "command"

HP 388) No title assigned yet (Unprocessed) [519]  
Page 280, 7.4.6 TMF\_ONLY bit

Change "tasks with a task attribute of ACA may be sent from the faulted initiator port..." to "that the device server shall process tasks with a task attribute of ACA from the faulted I\_T nexus..." The rule is applicable to the device server, not the initiator port. The initiator port is allowed to try to send ACA tasks in all cases; it will just get ACA ACTIVE status back if TMF\_ONLY is 1.

HP 389) No title assigned yet (Unprocessed) [520]  
Page 280, 7.4.6 TMF\_ONLY paragraph

Change "faulted initiator port" to "faulted I\_T nexus"

HP 390) No title assigned yet (Unprocessed) [521]  
Page 280, table 239

add a note that byte 4 bit 7 used to be something else in SCSI-2, was marked Reserved rather than Obsolete in SPC because "Obsolete" didn't exist yet, and has had this new meaning in SPC-2 and SPC-3.

HP 391) No title assigned yet (Unprocessed) [522]  
Page 280, table 240

Value s/b Code

HP 392) No title assigned yet (Unprocessed) [523]  
Page 280, table 240

Change "Task set type to "TASK SET TYPE (TST) field"

HP 393) No title assigned yet (Unprocessed) [524]  
Page 280, 7.4.6

"task set type field (TST)" s/b "task set type (TST) field"

HP 394) No title assigned yet (Unprocessed) [525]  
Page 280, 7.4.6

Move "(see SAM-3)" after "unit attention condition"

HP 395) No title assigned yet (Unprocessed) [526]  
Page 281, 7.4.6 D\_SENSE paragraph

D\_SENSE and TAS cry out to be per-I\_T nexus regardless of the mode page policy. If D\_SENSE is enabled for an initiator that doesn't understand it, it cannot even parse the sense data to understand that MODE PARAMETERS CHANGED (or a reset event - anything that it knows might change mode parameters) is the additional sense code being returned. Perhaps require that the power on unit attentions (ASC 29h) and the MODE PARAMETERS CHANGED unit attention always be reported in fixed format. New initiators ought to be able to tolerate that (they must understand both old and new formats). This lets old initiators at least know whenever a mode parameter could be the cause of their problem (the presumption is they can at least see the D\_SENSE bit is set (they may think it's supposed to be reserved), but don't know how to parse descriptor format sense data).

HP 396) No title assigned yet (Unprocessed) [527]  
Page 281, table 241

Value s/b Code

HP 397) No title assigned yet (Unprocessed) [528]  
Page 281, table 241

change "Queue algorithm modifier" to "QUEUE ALGORITHM MODIFIER field"

HP 398) No title assigned yet (Unprocessed) [529]  
Page 282, above table 242

Change "the initiator port" to "the same I\_T nexus"

HP 399) No title assigned yet (Unprocessed) [530]  
Page 282, Table 242

Change the definition above the table of "affected" to include "in the task set", then delete that phrase from all the entries in the table. Specifically: Change preliminary text to "If the TST field is set to 000b, then all tasks in the task set from all I\_T nexuses are affected. If the TST field is set to 001b, then only tasks in the task set from the same I\_T nexus as the task that is terminated...are affected." Delete "in the task set" from 00b, 01b with TAS=0, and 11b. (Note that the 01b with TAS=1 case does not mention "in the task set")

HP 400) No title assigned yet (Unprocessed) [531]  
Page 282, 7.4.6 TAS paragraph

Change "without any response" to "without any response (e.g., delivering status)"

HP 401) No title assigned yet (Unprocessed) [532]  
Page 282, 7.4.6 RAC paragraph

Change "A RAC bit set to one specifies that a CHECK CONDITION status should be reported rather than a long busy condition (e.g., longer than the busy timeout period). A RAC bit set to zero specifies that long busy conditions (e.g., busy condition during auto contingent allegiance) may be reported." to "A RAC bit set to one specifies that the device server should return CHECK CONDITION status rather than a returning BUSY status for a longer time than that specified by the BUSY TIMEOUT PERIOD field. A RAC bit set to zero specifies that the device server may return BUSY status for any length of time."

HP 402) No title assigned yet (Unprocessed) [533]  
Page 282, table 242

Value s/b Code

HP 403) No title assigned yet (Unprocessed) [534]  
Page 283, 7.4.6 SWP paragraph

Change "command set" to "command standard"

HP 404) No title assigned yet (Unprocessed) [535]  
Page 283, 7.4.6 ATO paragraph

Change "the protected information" to "protection information"

HP 405) No title assigned yet (Unprocessed) [536]  
Page 283, 7.4.6 ATO paragraph

Change "the protected information" to "protection information"

HP 406) No title assigned yet (Unprocessed) [537]  
Page 283, 7.4.6 ATO paragraph

Change "the protected information" to "protection information"

HP 407) No title assigned yet (Unprocessed) [538]  
Page 283, table 243

Value s/b Code

HP 408) No title assigned yet (Unprocessed) [539]  
Page 284, 7.4.6 Busy Timeout Period paragraph

Change "remain busy" to "return BUSY status"

HP 409) No title assigned yet (Unprocessed) [540]  
Page 284, 7.4.6 Extended Self-Test Completion Time paragraph

This field seems to be a read-only field. Say so, or define its behavior if written.

HP 410) No title assigned yet (Unprocessed) [541]  
Page 284,7.4.7 first paragraph  
04-327r1 does not contain an HPQ #410 comment. However, the text in this comment is appended to comment HPQ #409, but also looks as if it should be comment HPQ #410.

Change subpage to mode page

HP 411) No title assigned yet (Unprocessed) [542]  
Page 284, 7.4.7 first paragraph

Change mode subpage to mode page

HP 412) No title assigned yet (Unprocessed) [543]  
Page 284, table 244

Value s/b Code

HP 413) No title assigned yet (Unprocessed) [544]  
Page 285, 7.4.8

Change "and" to "and, if the SCSI target device contains more than one target port, "

HP 414) No title assigned yet (Unprocessed) [545]  
Page 285, 7.4.8

Delete "If a SCSI target device has multiple target ports, changes in the parameters for one target port should not affect othertarget ports. " which is the same as "the mode page policy should be per target port"

HP 415) No title assigned yet (Unprocessed) [546]  
Page 286, 7.4.8 Buffer Full Ratio paragraph

target s/b Target

HP 416) No title assigned yet (Unprocessed) [547]  
Page 286, 7.4.8 Buffer Empty Ratio paragraph

target s/b Target

HP 417) No title assigned yet (Unprocessed) [548]  
Page 286, Note 53

fix font of target port



HP 418) No title assigned yet (Unprocessed) [549]

Page 286,note 53

04-327r1 does not contain an HPQ #418 comment. However, the text in this comment is appended to comment HPQ #417, but also looks as if it should be comment HPQ #418.

Change "the read operations described in this example" to "read operations"

HP 419) No title assigned yet (Unprocessed) [550]

Page 289, 7.4.11 IE Control mode page

As part of deleting the per initiator port mode page policy, delete "per initiator port,"

HP 420) No title assigned yet (Unprocessed) [551]

Page 290, table 251, 2h

Change "returning a CHECK CONDITION status, with the sense key set to UNIT ATTENTION, and the additional sense code indicating the cause of the informational exception condition." to "by establishing a unit attention condition for all I\_T nexus(es). On a command where the unit attention condition is reported, the additional sense code shall be set to the cause of the informational exception condition."

HP 421) No title assigned yet (Unprocessed) [552]

Page 290, table 251, 2h

"The command that has the CHECK CONDITION shall not be processed before the informational exception condition is reported." Is this a general rule for unit attentions, or something specific for informational exceptions? If a general rule, then this should be a NOTE.

HP 422) No title assigned yet (Unprocessed) [553]

Page 290, table 251, 3h, 4h, and 5h

GOOD status should be "GOOD status or INTERMEDIATE status" to account for linked commands.

HP 423) No title assigned yet (Unprocessed) [554]

Page 290, table 251, 3h

After CHECK CONDITION status" add "with a sense key set to RECOVERED ERROR"

HP 424) No title assigned yet (Unprocessed) [555]

Page 290, table 251 3h

After "allowed" add superscript a

HP 425) No title assigned yet (Unprocessed) [556]

Page 290, table 251 3h, 4h, 5h

Assuming the unit attention is reported on all I\_T nexuses, are the CHECK CONDITIONS just reported on any arbitrary I\_T nexus? Change "next command" to "next command (on any I\_T nexus)" to clarify.

HP 426) No title assigned yet (Unprocessed) [557]

Page 290, 7.4.11

"method of reporting informational exceptions field (MRIE)" s/b "method of reporting informational exceptions (MRIE) field"

HP 427) No title assigned yet (Unprocessed) [558]  
Page 291, table 251, 4h

After CHECK CONDITION status" add "with a sense key set to RECOVERED ERROR"

HP 428) No title assigned yet (Unprocessed) [559]  
Page 291, table 251, 5h

After CHECK CONDITION status" add "with a sense key set to NO SENSE"

HP 429) No title assigned yet (Unprocessed) [560]  
Page 291, table 251, 4h

Change "regardless of the value of the post error (PER) bit of the Read-Write Error Recovery mode page," to:  
"regardless of whether the reporting of recovered errors is allowed"

HP 430) No title assigned yet (Unprocessed) [561]  
Page 291, table 251 footnote a

Change "The Read-Write Error Recovery mode page is described in the applicable command standard" to "in  
some command standards, this is controlled by the post error (PER) bit in the Read-Write Error Recovery mode  
page"

HP 431) No title assigned yet (Unprocessed) [562]  
Page 291, 7.4.11

shall indicate s/b indicates

HP 432) No title assigned yet (Unprocessed) [563]  
Page 292, 7.4.12 first paragraph

Change "the methods to "with methods" since there are other methods (e.g. START STOP UNIT command in  
block devices)

HP 433) No title assigned yet (Unprocessed) [564]  
Page 293, 7.4.13

Delete "If a logical unit is accessible through multiple target ports, changes in the parameters for one target port  
should not affect other target ports." which is the same as "mode page policy should be per target port"

HP 434) No title assigned yet (Unprocessed) [565]  
Page 294, 7.4.14

Change "and" to "and, if the SCSI target device contains more than one target port, "

HP 435) No title assigned yet (Unprocessed) [566]  
Page 294, 7.4.14

Delete "If a target device has multiple target ports, changes in the parameters for one target port should not affect  
other target ports." which is the same as saying "policy should be per target port".

HP 436) No title assigned yet (Unprocessed) [567]  
Page 303, 7.5.3.2 header

Change "world wide name" to "world wide port name"

HP 437) No title assigned yet (Unprocessed) [568]  
Page 303, 7.5.3.2 first paragraph

Change "world wide name" to "world wide port name (see FCP-3)"

HP 438) No title assigned yet (Unprocessed) [569]  
Page 303, table 268 header

Change "world wide name" to "world wide port name"

HP 439) No title assigned yet (Unprocessed) [570]  
Page 303, table 268 bytes 12-19

Change "WORLD WIDE NAME" to "WORLD WIDE PORT NAME"

HP 440) No title assigned yet (Unprocessed) [571]  
Page 303,7.5.3.2 below table 268  
04-327r1 does not contain an HPQ #440 comment. However, the text in this comment is appended to comment HPQ #439, but also looks as if it should be comment HPQ #440.

change "WORLD WIDE NAME field shall contain the port world wide name" to "WORLD WIDE PORT NAME field shall contain the world wide port name"

HP 441) No title assigned yet (Unprocessed) [572]  
Page 303, note 57

Change "world wide name" to "world wide port name" (twice)

HP 442) No title assigned yet (Unprocessed) [573]  
Page 303, 7.5.3.2

Change "The target descriptor format shown in table 268 is used by an EXTENDED COPY command to specify a copy target device using its Fibre Channel world wide name." to "The target descriptor format shown in table 268 is used by an EXTENDED COPY command to specify an FCP copy target device using its Fibre Channel world wide port name (see FCP-3)."

HP 443) No title assigned yet (Unprocessed) [574]  
Page 304, 7.5.3.3

Change "The target descriptor format shown in table 269 is used by an EXTENDED COPY command to specify a copy target device using its Fibre Channel N\_Port." to: "The target descriptor format shown in table 269 is used by an EXTENDED COPY command to specify an FCP copy target device using its Fibre Channel N\_Port (see FCP-3)."

HP 444) No title assigned yet (Unprocessed) [575]  
Page 305, 7.5.3.4 header

Change "world wide name" to "world wide port name"

HP 445) No title assigned yet (Unprocessed) [576]  
Page 305, 7.5.3.4 first paragraph

uncapitalize "World Wide Name" and change to "world wide port name" per other comments

HP 446) No title assigned yet (Unprocessed) [577]  
Page 305, table 270 rows 12-19

Change "WORLD WIDE NAME" to "WORLD WIDE PORT NAME"

HP 447) No title assigned yet (Unprocessed) [578]  
Page 305, 7.5.3.4 below table 270

change "WORLD WIDE NAME field shall contain the port world wide name" to "WORLD WIDE PORT NAME field shall contain the world wide port name"

HP 448) No title assigned yet (Unprocessed) [579]  
Page 305, 7.5.3.4 below note 59

Change "world wide name in the WORLD WIDE NAME" to "world wide port name in the WORLD WIDE PORT NAME"

HP 449) No title assigned yet (Unprocessed) [580]  
Page 305, 7.5.3.4 first paragraph

Change "EXTENDED COPY command copy target devices that are addressed using their Fibre Channel N\_Port with World Wide Name checking use the target descriptor format shown in table 270 to specify the addressing information." to "The target descriptor format shown in table 270 is used by an EXTENDED COPY command to specify an FCP copy target device using its Fibre Channel N\_Port provided the world wide port name matches the one specified (see FCP-3)."

HP 450) No title assigned yet (Unprocessed) [581]  
Page 306, 7.5.3.5

Change "EXTENDED COPY command copy target devices that are addressed using their SCSI parallel protocol SCSI bus target identifier, and logical unit number use the target descriptor format shown in table 271 to specify the addressing information." to: "The target descriptor format shown in table 271 is used by an EXTENDED COPY command to specify a SPI copy target device using its SCSI target identifier (see SPI-5)."

HP 451) No title assigned yet (Unprocessed) [582]  
Page 307, 7.5.3.6

Change "The target descriptor format shown in table 272 is used to identify an EXTENDED COPY command copy target device using its IEEE 1394 Extended Unique Identifier, 64-bits (EUI-64) and configuration ROM (Read-Only Memory) directory identifier." to: "The target descriptor format shown in table 272 is used by an EXTENDED COPY command to specify an SBP copy target device using its IEEE 1394 Extended Unique Identifier, 64-bits (EUI-64) and configuration ROM (Read-Only Memory) directory identifier (see SBP-3)."

HP 452) No title assigned yet (Unprocessed) [583]  
Page 308, 7.5.3.7

Change "The target descriptor format shown in table 273 is used to identify an EXTENDED COPY command copy target device using its RDMA SRP target port identifier (see SRP)." to "The target descriptor format shown in table

272 is used by an EXTENDED COPY command to specify an SRP copy target device using its SRP target port identifier (see SRP)."

HP 453) No title assigned yet (Unprocessed) [584]  
Page 309, 7.5.3.8

Change "EXTENDED COPY command copy target devices that are addressed using their Internet protocol binary IPv4 address, and logical unit number use the target descriptor format shown in table 274 to specify the addressing information." to "The target descriptor format shown in table 274 is used by an EXTENDED COPY command to specify an iSCSI copy target device using its Internet protocol binary IPv4 address (see iSCSI)"

HP 454) No title assigned yet (Unprocessed) [585]  
Page 310, 7.5.3.9

Change "The target descriptor format shown in table 273 is used to identify an EXTENDED COPY command copy target device using its SAS serial SCSI protocol (see SAS)." to "The target descriptor format shown in table 275 is used by an EXTENDED COPY command to specify a SAS Serial SCSI Protocol copy target device using its SAS address (see SAS)." (note the cross reference is broken too)

HP 455) No title assigned yet (Unprocessed) [586]  
Page 312, Device Identifier s/b Device Identification

HP 456) No title assigned yet (Unprocessed) [587]  
Page 315, 7.5.4.7

"serial SCSI protocol" s/b "Serial SCSI Protocol"

HP 457) No title assigned yet (Unprocessed) [588]  
Page 315, 7.5.4.7

"serial SCSI protocol" s/b "Serial SCSI Protocol"

HP 458) No title assigned yet (Unprocessed) [589]  
Page 316, 7.6.1

Change "optionally returned by the INQUIRY command (see 6.4)" to "returned by the INQUIRY command (see 6.4) with the EVPD bit set to one"

HP 459) No title assigned yet (Unprocessed) [590]  
Page 317, 7.6.2

Delete "If the allocation length is less than the length of the data to be returned, the page length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 460) No title assigned yet (Unprocessed) [591]  
Page 317, 7.6.2

Delete "If the allocation length is less than the length of data to be returned, the ASCII operating definition description length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 461) No title assigned yet (Unprocessed) [592]  
Page 317, 7.6.1, 7.6.2

Obsolete ASCII Implemented Operating Definition VPD page 82h. This was related to the CHANGE DEFINITION command, which was obsoleted long ago (last seen in SPC-1). There is no definition of "operating definitions" any more to give this page any meaning.

HP 462) No title assigned yet (Unprocessed) [593]  
Page 318, 7.6.3

Delete "If the allocation length of the CDB is too small to transfer all of the VPD page, the page length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 463) No title assigned yet (Unprocessed) [594]  
Page 318, 7.6.3

Delete "If the allocation length is less than the length of the data to be returned, the ASCII length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 464) No title assigned yet (Unprocessed) [595]  
Page 319, 7.6.4.1

Change "Device identifiers" to "Identification descriptors" to avoid confusion with the SET/REPORT DEVICE IDENTIFIER command

HP 465) No title assigned yet (Unprocessed) [596]  
Page 319, 7.6.4.1 Change "device identifiers" to "identification descriptors"

HP 466) No title assigned yet (Unprocessed) [597]  
Page 319, 7.6.4.1

Delete "A SCSI target device may have more than one SCSI target device name if the SCSI target device supports multiple SCSI transport protocols. If the returned Device Identification VPD page contains any SCSI target device names, it shall contain all the SCSI target device names." It doesn't seem to belong here, and is already covered by 7.6.4.11.1, which says "The Device Identification VPD page shall contain identification descriptors for all the SCSI target device names for all the SCSI transport protocols supported by the SCSI target device."

HP 467) No title assigned yet (Unprocessed) [598]  
Page 319, Change "SCSI target device" to "the SCSI target device containing the

logical unit"

HP 468) No title assigned yet (Unprocessed) [599]  
Page 319, 7.6.4.1

Change "access path (i.e., SCSI target port) used by the command and returned parameter data." to "the SCSI target port through which the INQUIRY command was received and is being processed."

HP 469) No title assigned yet (Unprocessed) [600]  
Page 320, table 291

Value s/b Code

HP 470) No title assigned yet (Unprocessed) [601]  
Page 320, table 292

Value s/b Code

HP 471) No title assigned yet (Unprocessed) [602]  
Page 320, table 293

04-327r1 does not contain an HPQ #471 comment. However, the text in this comment is appended to comment HPQ #470, but also looks as if it should be comment HPQ #471.

Value s/b Code

HP 472) No title assigned yet (Unprocessed) [603]  
Page 320, table 291

Change "Code set" to "CODE SET field"

HP 473) No title assigned yet (Unprocessed) [604]  
Page 320, table 292

Change "Association" to "ASSOCIATION field"

HP 474) No title assigned yet (Unprocessed) [605]  
Page 320, table 293

Change "Identifier type" to "IDENTIFIER TYPE field"

HP 475) No title assigned yet (Unprocessed) [606]  
Page 321, 7.6.4.1

Delete "If the ALLOCATION LENGTH field of the CDB is too small to transfer all of the identifier, the identifier length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 476) No title assigned yet (Unprocessed) [607]  
Page 321, 7.6.4.3

"product serial number field" s/b "PRODUCT SERIAL NUMBER field"

HP 477) No title assigned yet (Unprocessed) [608]  
Page 324, table 301

Value s/b Code

HP 478) No title assigned yet (Unprocessed) [609]  
Page 324, table 301

Change "Name Address Authority values" to Name Address Authority (NAA) field"

HP 479) No title assigned yet (Unprocessed) [610]  
Page 326, table 306

Value s/b Code

HP 480) No title assigned yet (Unprocessed) [611]  
Page 326, table 306

Change "Relative target port identifier values" to "RELATIVE TARGET PORT field"

HP 481) No title assigned yet (Unprocessed) [612]  
Page 327, 7.6.4.9

After "identifier types 2h (i.e., EUI-64 based identifier) or 3h (i.e., NAA identifier)." add "or 8h (i.e., SCSI name string)" since that is a peer of 2h and 3h. Consider adding 1h too.

HP 482) No title assigned yet (Unprocessed) [613]  
Page 328, table 310 and 311

The product serial number example of "00100203 04050607h" is invalid, since it's required to be an ASCII string. Change to a series of ASCII characters.

HP 483) No title assigned yet (Unprocessed) [614]  
Page 330, Move 7.6.4.11 earlier so it is 7.6.4.2 (move 7.6.4.2+ down to 7.6.4.3+).

This is a very important section, but doesn't appear so when buried after the MD5 identifier and name string identifiers.

HP 484) No title assigned yet (Unprocessed) [615]  
Page 330, 7.6.4.11.3

This section needs to use the term "logical unit name" which is defined in SAM-3. That's the name for the identifier if its type is 1h, 2h, 3h, or 8h. (Identifiers with other types don't qualify)

HP 485) No title assigned yet (Unprocessed) [616]  
Page 330, 7.6.4.11.1

After last word "device," add "regardless of the L\_T nexus being used to retrieve the identification descriptors."

HP 486) No title assigned yet (Unprocessed) [617]  
Page 331, 7.6.4.11.4

Delete "The Device Identification VPD page shall contain the same set of identification descriptors with the ASSOCIATION field set to 2h (i.e., SCSI target device) regardless of the L\_T nexus being used to retrieve the identification descriptors." That is already stated in 7.6.4.11.1, which applies to all types of logical units, and is not special because this is a well known logical unit.

HP 487) No title assigned yet (Unprocessed) [618]  
Page 331, 7.6.4.11.4

Delete "For well known logical units, the Device Identification VPD page shall contain one or more SCSI target device identification descriptors (see 7.6.4.11.1)." section 7.6.4.11.1 already says that all logical units must return an identification descriptor for the target device. This is redundant. The only thing special about well known logical units is that they do not have association=0 identifiers.

HP 488) No title assigned yet (Unprocessed) [619]  
Page 332, 7.6.5 RTO paragraph

the protected information s/b protection information



HP 489) No title assigned yet (Unprocessed) [620]  
Page 332, 7.6.5 GRD\_CHK paragraph

"the protection information" s/b "protection information"

HP 490) No title assigned yet (Unprocessed) [621]  
Page 332, 7.6.5 GRD\_CHK paragraph

"the protection information" s/b "protection information"

HP 491) No title assigned yet (Unprocessed) [622]  
Page 332, 7.6.5 APP\_CHK paragraph

"the protection information" s/b "protection information"

HP 492) No title assigned yet (Unprocessed) [623]  
Page 332, 7.6.5 APP\_CHK paragraph

"the protection information" s/b "protection information"

HP 493) No title assigned yet (Unprocessed) [624]  
Page 332, 7.6.5 REF\_CHK paragraph

"the protection information" s/b "protection information"

HP 494) No title assigned yet (Unprocessed) [625]  
Page 332, 7.6.5 REF\_CHK paragraph

"the protection information" s/b "protection information"

HP 495) No title assigned yet (Unprocessed) [626]  
Page 332, 7.6.5 GROUP\_SUP paragraph

"grouping function" s/b "the grouping function"

HP 496) No title assigned yet (Unprocessed) [627]  
Page 332, 7.6.5 GROUP\_SUP paragraph

"grouping function" s/b "the grouping function"

HP 497) No title assigned yet (Unprocessed) [628]  
Page 332, 7.6.5

Delete "If the allocation length is less than the length of the data to be returned, the page length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 498) No title assigned yet (Unprocessed) [629]  
Page 335, Table 319 Mode page policy codes

As part of deleting the per initiator port mode page policy, change "10b Per initiator port" to "10b Reserved" (it was not in SPC-2 so need not be marked Obsolete)

HP 499) No title assigned yet (Unprocessed) [630]  
Page 335, 7.6.7

Change to 'or' to 'and' in '3Fh or'. Given the paragraph immediately below, the Policy Page Code field can contain 3Fh only when the Policy Subpage Code field contains FFh and vice-versa.

HP 500) No title assigned yet (Unprocessed) [631]  
Page 335, table 319

Value s/b Code

HP 501) No title assigned yet (Unprocessed) [632]  
Page 335, table 319

Change "Mode page policy values" to "MODE PAGE POLICY field"

HP 502) No title assigned yet (Unprocessed) [633]  
Page 335, 7.6.7

Add "If the target device has more than one logical unit," to the beginning of the MLUS should paragraph. It is unclear what a disk drive with a single logical unit is supposed to do. This clarifies that it sets MLUS to 0.

HP 503) No title assigned yet (Unprocessed) [634]  
Page 335, 7.6.7 MLUS

should s/b shall The description of each page discusses unit attentions created for in logical units if any parameter changes. That implies the parameters are shared by multiple logical units.

HP 504) No title assigned yet (Unprocessed) [635]  
Page 336, 7.6.8

"page" s/b "VPD page"

HP 505) No title assigned yet (Unprocessed) [636]  
Page 337, above table 321

Change 3 to '321'.

HP 506) No title assigned yet (Unprocessed) [637]  
Page 337, table 322

Value s/b Code

HP 507) No title assigned yet (Unprocessed) [638]  
Page 337, Change "Relative port identifier values" to "RELATIVE PORT field"

HP 508) No title assigned yet (Unprocessed) [639]  
Page 338, 7.6.8

shall indicate s/b indicates

HP 509) No title assigned yet (Unprocessed) [640]  
Page 339, 7.6.9

Delete "If the allocation length is too small to transfer all of the VPD page, the page length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 510) No title assigned yet (Unprocessed) [641]  
Page 339, 7.6.9

"page" s/b "VPD page"

HP 511) No title assigned yet (Unprocessed) [642]  
Page 340, 7.6.10

Delete "If the allocation length is too small to transfer all of the VPD page, the page length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 512) No title assigned yet (Unprocessed) [643]  
Page 340, 7.6.11

Delete "If the allocation length is too small to transfer all of the VPD page, the page length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 513) No title assigned yet (Unprocessed) [644]  
Page 340, table 326

supported s/b Supported

HP 514) No title assigned yet (Unprocessed) [645]  
Page 360, 8.3.2.2.1

described s/b defined

HP 515) No title assigned yet (Unprocessed) [646]  
Page 361, 8.3.2.2.2.1

Delete "If the allocation length is too small to transfer all of the REPORT ACL parameter data, the ACL data length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 516) No title assigned yet (Unprocessed) [647]  
Page 362, table 341

"Descriptors" s/b "descriptor list"

HP 517) No title assigned yet (Unprocessed) [648]  
Page 362, 8.3.2.2.2.2

Delete "and shall not be adjusted to reflect any truncation caused by insufficient allocation length." which is covered by the general ALLOCATION LENGTH definition.

HP 518) No title assigned yet (Unprocessed) [649]  
Page 362, 8.3.2.2.2.2

"shall indicate" s/b "indicates"

HP 519) No title assigned yet (Unprocessed) [650]  
Page 365, table 345

"descriptors" s/b "descriptor list"

HP 520) No title assigned yet (Unprocessed) [651]  
Page 365, 8.3.2.2.2.4

"shall indicate" s/b "indicates"

HP 521) No title assigned yet (Unprocessed) [652]  
Page 365, 8.3.2.2.2.4

Delete "and shall not be adjusted to reflect any truncation caused by insufficient allocation length." which is covered by the general ALLOCATION LENGTH definition.

HP 522) No title assigned yet (Unprocessed) [653]  
Page 366, 8.3.2.3.1

described s/b defined

HP 523) No title assigned yet (Unprocessed) [654]  
Page 367, table 348

"descriptors" s/b "descriptor list"

HP 524) No title assigned yet (Unprocessed) [655]  
Page 367, 8.3.2.3.2

Delete "If the allocation length is too small to transfer all of the REPORT LU DESCRIPTORS parameter data, the LU inventory length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 525) No title assigned yet (Unprocessed) [656]  
Page 369, 8.3.2.3.2

Delete "and shall not reflect any truncation of the parameter data as a result of insufficient allocation length." which is covered by the general ALLOCATION LENGTH definition.

HP 526) No title assigned yet (Unprocessed) [657]  
Page 372, 8.3.2.4.2.1

Delete "If the allocation length is too small to transfer all of the REPORT ACCESS CONTROLS LOG parameter data, the log list length shall not be adjusted to reflect the truncation." which is covered by the general ALLOCATION LENGTH definition.

HP 527) No title assigned yet (Unprocessed) [658]  
Page 372, 8.3.2.4.1

described s/b defined

HP 528) No title assigned yet (Unprocessed) [659]  
Page 376, 8.3.2.5

described s/b defined

HP 529) No title assigned yet (Unprocessed) [660]  
Page 378, 8.3.2.6

described s/b defined

HP 530) No title assigned yet (Unprocessed) [661]  
Page 379, 8.3.3

Command s/b command

HP 531) No title assigned yet (Unprocessed) [662]  
Page 383, table 366

Descriptors s/b descriptors

HP 532) No title assigned yet (Unprocessed) [663]  
Page 400, B.3

Explain the value of the UNREG bit (of the REGISTER AND MOVE service action parameter list).

HP 533) No title assigned yet (Unprocessed) [664]  
Page 400, B.3

Explain the value of the UNREG bit (of the REGISTER AND MOVE service action parameter list).

HP 534) No title assigned yet (Unprocessed) [665]  
Page 401, C.2.3

"parameter control byte" s/b "PARAMETER CONTROL byte"

HP 535) No title assigned yet (Unprocessed) [666]  
Page 401, C.2.5

"parameter control byte" s/b "PARAMETER CONTROL byte"

HP 536) No title assigned yet (Unprocessed) [667]  
Page 401, Delete "C.2.8 GT: Greater Than"

and replace with > everywhere used (which is in the main glossary)

HP 537) No title assigned yet (Unprocessed) [668]  
Page 401

Delete "C.2.9 NV: Not Valid" It's one use in table c.9 can be replaced by - or xx.

HP 538) No title assigned yet (Unprocessed) [669]  
Page 402, table c.1 0--

Indicates s/b specifies

HP 539) No title assigned yet (Unprocessed) [670]  
Page 402, table c.1 1--

Indicates that the device server returns" s/b "Specifies that the device server return"

HP 540) No title assigned yet (Unprocessed) [671]  
Page 402, table C.1 -0-

"Indicates that the device server performs the specified LOG SENSE command and does not" s/b "Specifies that the device server perform the specified LOG SENSE command and not"

HP 541) No title assigned yet (Unprocessed) [672]  
Page 402, table C.1 -1-

"Indicates that the device server performs the specified LOG SENSE command and saves" s/b "Specifies that the device server perform the specified LOG SENSE command and save"

HP 542) No title assigned yet (Unprocessed) [673]  
Page 402, table C.1 --00

"Indicates that the device server returns" s/b "Specifies that the device server return"

HP 543) No title assigned yet (Unprocessed) [674]  
Page 402, table C.1 --01

"Indicates that the device server returns" s/b "Specifies that the device server return"

HP 544) No title assigned yet (Unprocessed) [675]  
Page 402, table C.1 --10

"Indicates that the device server returns" s/b "Specifies that the device server return"

HP 545) No title assigned yet (Unprocessed) [676]  
Page 402, table C.1 --11

"Indicates that the device server returns" s/b "Specifies that the device server return"

HP 546) No title assigned yet (Unprocessed) [677]  
Page 404, c.3 before table c.3

"log parameter control byte" s/b "PARAMETER CONTROL byte"

HP 547) No title assigned yet (Unprocessed) [678]  
Page 404, table c.3

"Log Page Parameter Control Byte Value" s/b "PARAMETER CONTROL byte values"

HP 548) No title assigned yet (Unprocessed) [679]  
Page 405, table C.4

"Indicates that the log parameters are not reset." s/b "Specifies that the device server not reset the log parameters."

HP 549) No title assigned yet (Unprocessed) [680]  
Page 405, Table C.4

"Indicates that the device server sets" s/b "Specifies that the device server set"

HP 550) No title assigned yet (Unprocessed) [681]  
Page 405, table C.4

"Indicates that the device server does not" s/b "Specifies that the device server not"

HP 551) No title assigned yet (Unprocessed) [682]  
Page 405, table C.4

"Indicates that, after performing the specified LOG SELECT operation, the device server saves" s/b "Specifies that, after performing the specified LOG SELECT operation, the device server save"

HP 552) No title assigned yet (Unprocessed) [683]  
Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

HP 553) No title assigned yet (Unprocessed) [684]  
Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

HP 554) No title assigned yet (Unprocessed) [685]  
Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

HP 555) No title assigned yet (Unprocessed) [686]  
Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

HP 556) No title assigned yet (Unprocessed) [687]  
Page 405, table C.4

"GT 0" s/b "> 0"

HP 557) No title assigned yet (Unprocessed) [688]  
Page 406, C.4

"log parameter control byte" s/b "PARAMETER CONTROL byte"

HP 558) No title assigned yet (Unprocessed) [689]  
Page 406, table c.5

"Log Page Parameter Control Byte Value" s/b "PARAMETER CONTROL byte values"

HP 559) No title assigned yet (Unprocessed) [690]  
Page 408, C.5.1

"parameter control byte of the log parameter." s/b "PARAMETER CONTROL byte (see 7.2)."

HP 560) No title assigned yet (Unprocessed) [691]  
Page 408, C.5.1

"parameter control byte" s/b "PARAMETER CONTROL byte"

HP 561) No title assigned yet (Unprocessed) [692]  
Page 408, C.5.1

"parameter control byte" s/b "PARAMETER CONTROL byte"

HP 562) No title assigned yet (Unprocessed) [693]  
Page 408, table c.7 title

"Log Parameter Control Byte" s/b "PARAMETER CONTROL byte"

HP 563) No title assigned yet (Unprocessed) [694]  
Page 408, table c.7 header row

"Log Parameter Control Byte Values" s/b "PARAMETER CONTROL byte values"

HP 564) No title assigned yet (Unprocessed) [695]  
Page 409, table c.8 title

"Log Parameter Control Byte" s/b "PARAMETER CONTROL byte"

HP 565) No title assigned yet (Unprocessed) [696]  
Page 409, table C.8 header row

"Parameter Control Byte Values" s/b "PARAMETER CONTROL byte values"

HP 566) No title assigned yet (Unprocessed) [697]  
Page 409, table C.9 header row

"Log Page Parameter Control Byte Values" s/b "PARAMETER CONTROL byte values"

HP 567) No title assigned yet (Unprocessed) [698]  
Page 409, table C.9

"GT 0" s/b "> 0"

HP 568) No title assigned yet (Unprocessed) [699]  
Page 409, table c.9

Change "NV" to "xx" or "-". Since ETC is 0, the value is meaningless.

HP 569) No title assigned yet (Unprocessed) [700]  
Page 409, table c.9

RECL s/b RLEC



HP 570) No title assigned yet (Unprocessed) [701]  
Page 410, C.5.3

Change "Set DU to 1" to "Set the DU bit to 1, indicating that the device server is no longer updating the log parameter"

HP 571) No title assigned yet (Unprocessed) [702]  
Page 410, C.5.2, C.5.3, and C.5.4 do not show up in the table of contents

HP 572) No title assigned yet (Unprocessed) [703]  
Page 411, D.1 first paragraph

Add "diagnostic page codes"

HP 573) No title assigned yet (Unprocessed) [704]  
Page 411, D.1 first paragraph  
04-327r1 does not contain an HPQ #573 comment. However, the text in this comment is appended to comment HPQ #572, but also looks as if it should be comment HPQ #573.

add "version descriptor values" and "T10 IEEE binary identifiers"

HP 574) No title assigned yet (Unprocessed) [705]  
Page 411, All D.n section headers

Only capitalize the first word in each of the section headers:

- Additional sense codes
- Operation codes
- Diagnostic [page] codes
- Log page codes
- Mode page codes
- VPD page codes
- Version descriptor values

HP 575) No title assigned yet (Unprocessed) [706]  
Page 411, D.2

"additional sense codes and the additional sense code qualifiers." s/b additional sense codes (i.e., the ADDITIONAL SENSE CODE field and ADDITIONAL SENSE CODE QUALIFIER field values returned in sense data)."

HP 576) No title assigned yet (Unprocessed) [707]  
Page 411, D.2

"Additional Sense Codes" s/b "Additional sense codes"

HP 577) No title assigned yet (Unprocessed) [708]  
Page 425, Table D.1 end

Fix capitalization in "vendor specific QUALIFICATION OF STANDARD ASC." Also, note that most other tables use "Vendor specific" rather than "vendor specific."

HP 578) No title assigned yet (Unprocessed) [709]  
Page 426, D.3

"Operation Codes" s/b "Operation codes"

HP 579) No title assigned yet (Unprocessed) [710]  
Page 426, D.3.1

"Operation Codes" s/b "Operation codes"

HP 580) No title assigned yet (Unprocessed) [711]  
Page 428, Table D.2

36h LOCK UNLOCK CACHE (10) is obsolete in SBC-2

HP 581) No title assigned yet (Unprocessed) [712]  
Page 430, Table D.2

92h LOCK UNLOCK CACHE (16) is obsolete in SBC-2

HP 582) No title assigned yet (Unprocessed) [713]  
Page 432, D.3.2

set s/b "set to one"

HP 583) No title assigned yet (Unprocessed) [714]  
Page 432, D.3.3

set s/b "set to one"

HP 584) No title assigned yet (Unprocessed) [715]  
Page 432, D.3.2

set s/b "set to one"

HP 585) No title assigned yet (Unprocessed) [716]  
Page 432, D.3.3

set s/b "set to one"

HP 586) No title assigned yet (Unprocessed) [717]  
Page 435, Table D.8

Change "Direct-access device" to "Direct-access block device"

HP 587) No title assigned yet (Unprocessed) [718]  
Page 435, D.3.6

"Variable Length CDB Service Action Codes" s/b "Variable length CDB service action codes"

HP 588) No title assigned yet (Unprocessed) [719]  
Page 436, D.4

"Diagnostic Codes" s/b "Diagnostic page codes"

HP 589) No title assigned yet (Unprocessed) [720]  
Page 436, D.4 first paragraph

Diagnostic s/b diagnostic

HP 590) No title assigned yet (Unprocessed) [721]  
Page 437, D.5

"Log Page Codes" s/b "Log page codes"

HP 591) No title assigned yet (Unprocessed) [722]  
Page 438, D.6

"Mode Page Codes" s/b "Mode page codes"

HP 592) No title assigned yet (Unprocessed) [723]  
Page 440, D.7

"VPD Page Codes" s/b "VPD page codes"

HP 593) No title assigned yet (Unprocessed) [724]  
Page 441, Table D.14

Create a separate column for the decimal and hexadecimal representations of the version descriptor code. Or, drop the decimal altogether.

HP 594) No title assigned yet (Unprocessed) [725]  
Page 441, D.8

Change "Version Descriptor Values" to "Version Descriptor Codes"

HP 595) No title assigned yet (Unprocessed) [726]  
Page 451, Table D.15

SAS-2 s/b SAS-1.1

HP 596) No title assigned yet (Unprocessed) [727]  
Page 451, Table D.15

ATAPI-6 s/b ATA/ATAPI-6

HP 597) No title assigned yet (Unprocessed) [728]  
Page 451, Table D.15

ATAPI-7 s/b ATA/ATAPI-7

HP 598) No title assigned yet (Unprocessed) [729]  
Page 454, Global

Annex E first paragraph Before "www.t10.org" add "http://" (either use http:// everywhere or remove it everywhere; I recommending using it)

HP 599) No title assigned yet (Unprocessed) [730]  
Page 465

Move all the Annex F definitions into the main definitions section 3.1.

## 5. IBM Corp.

George O. Penokie from IBM Corp. submitted the following comments on a No vote.

IBM 1) No title assigned yet (Unprocessed) [731]  
PDF pg 3, pg iii, Revision Information

The revision information needs to be removed before letter ballot

IBM 2) No title assigned yet (Unprocessed) [732]  
PDF pg 44, pg xliv, Foreword, 2nd paragraph

The statement << SCSI devices (disks, tapes, printers, etc.) by an operating system. >> should be << SCSI devices (e.g., disks, tapes, printers) by an operating system. >>

IBM 3) No title assigned yet (Unprocessed) [733]  
PDF pg 46, pg vii, Introduction, 1st paragraph

The statement << standard is divided into eleven clauses: >> is not correct. It should be changed to << standard is divided into the following clauses and annexes: >>

IBM 4) No title assigned yet (Unprocessed) [734]  
PDF pg 46, pg vii, Introduction

All the annex description should contain whether the annex is informative or normative.

IBM 5) No title assigned yet (Unprocessed) [735]  
PDF pg 47, pg 1, 1 Scope, 1st paragraph

The statement << devices (disks, tapes, printers, scanners, and many more). >> should be << devices (e.g., disks, tapes, printers, scanners). >>

IBM 6) No title assigned yet (Unprocessed) [736]  
PDF pg 47, pg 1, 1 Scope, 2nd paragraph

The statement << specifies the interfaces, functions, and operations >> would be more accurate if it was stated as << specifies the protocols, functions, and operations >>

IBM 7) No title assigned yet (Unprocessed) [737]  
PDF pg 47, pg 1, 1 Scope, Item h

The statement << The Medium Partition mode pages 2-4; >> should be << The Medium Partition mode pages 2h, 3h, and 4h; >>

IBM 8) No title assigned yet (Unprocessed) [738]  
PDF pg 48, pg 2, 1 Scope

There is no point in this list of standards. It is never 100% correct. It should be deleted from SPC-3.

IBM 9) No title assigned yet (Unprocessed) [739]  
PDF pg 52, pg 6, 2.4 IETF References

This << draft-ietf-ips-iscsi-16.txt >> should be changed to << RFC 3720 >>

IBM 10) No title assigned yet (Unprocessed) [740]  
PDF pg 53, pg 7, 3.1.5 active condition:

This << capable of responding immediately to media access requests, >> should be << capable of responding without delay to media access requests, >>

IBM 11) No title assigned yet (Unprocessed) [741]  
PDF pg 53, pg 7, 3.1.12 auto contingent allegiance (ACA):

This << set to one in the CONTROL byte. >> should be << set to one in the CONTROL byte of a CDB. >>

IBM 12) No title assigned yet (Unprocessed) [742]  
PDF pg 53, pg 7, 3.1.13 blocked task:

I see no need to reference SAM-3 twice in one definition. Delete the first reference << as defined in SAM-3.>>

IBM 13) No title assigned yet (Unprocessed) [743]  
PDF pg 54, pg 8, 3.1.20 Control mode page:

I see no point in having a definition for a mode page in the glossary. It should be deleted.

IBM 14) No title assigned yet (Unprocessed) [744]  
PDF pg 54, pg 8, 3.1.21 Control Extension mode page:

I see no point in having a definition for a mode page in the glossary. It should be deleted.

IBM 15) No title assigned yet (Unprocessed) [745]  
PDF pg 54, pg 8, 3.1.26 designation:

This is the word I used to replace <<identification>> in VPD page 83h. This is a problem. One way to handle it would be to state << When used in reference to access controls, a name and optional identifier information that specifies >>. Another way would be to find a new word.

IBM 16) No title assigned yet (Unprocessed) [746]  
PDF pg 54, pg 8, 3.1.27 Device Identification VPD page:

I see no point in having a definition for a VPD page in the glossary. It should be deleted.

IBM 17) No title assigned yet (Unprocessed) [747]  
PDF pg 54, pg 8, 3.1.31 device type:

This << The type of device (or device model) implemented >> should be << The type of device or device model implemented >>

IBM 18) No title assigned yet (Unprocessed) [748]  
PDF pg 54, pg 8, 3.1.32 Disconnect-Reconnect mode page:

I see no point in having a definition for a mode page in the glossary. It should be deleted.

IBM 19) No title assigned yet (Unprocessed) [749]  
PDF pg 55, pg 9, 3.1.39 I\_T\_L nexus:

Change << and logical unit in them (see SAM-3). >> to << and logical unit within those SCSI devices (see SAM-3). >>

IBM 20) No title assigned yet (Unprocessed) [750]  
PDF pg 55, pg 9, 3.1.42 idle condition:

Change << capable of responding quickly to media access >> to << capable of responding with little or no delay to media access >>

IBM 21) No title assigned yet (Unprocessed) [751]  
PDF pg 56, pg 10, 3.1.53 logical unit identifier:

There is no such thing as a logical unit identifier defined or used in SAM-3. If there was such a thing (which is a pure sense there should be) it would be synonymous with logical unit number.

IBM 22) No title assigned yet (Unprocessed) [752]  
PDF pg 56, pg 10, 3.1.57 medium:

this << nonvolatile manner (retained through a power cycle) in >> should be << nonvolatile manner (i.e., retained through a power cycle) in >>

IBM 23) No title assigned yet (Unprocessed) [753]  
PDF pg 56, pg 10, 3.1.62 network address authority (NAA):

This <<An organization that administers network addresses such as the identifiers that may be used in the Device Identification VPD page (see 7.6.4). >> should be << A field within a name that specifies the format and length of that name (see FC-FS and 7.6.4). >> .

IBM 24) No title assigned yet (Unprocessed) [754]  
PDF pg 56, pg 10, 3.1.64 null-padded:

This << end of the field (highest offset) >> should be << end of the field (i.e., highest offset) >>

IBM 25) No title assigned yet (Unprocessed) [755]  
PDF pg 56, pg 10, 3.1.64 null-padded:

This << the last used byte (highest offset) is required >> should be << the last used byte (i.e., highest offset) is required >>

IBM 26) No title assigned yet (Unprocessed) [756]  
PDF pg 57, pg 11, 3.1.80 right-aligned:

This << field (lowest offset) and are >> should be << field (i.e., lowest offset) and are >>

IBM 27) No title assigned yet (Unprocessed) [757]  
PDF pg 57, pg 11, 3.1.83 SCSI device name:

This << device that is world wide unique within the protocol of a SCSI domain (see 3.1.84) >> should be << device that is world wide unique >>. If it is only unique within the SCSI domain then it is of little or no value.

IBM 28) No title assigned yet (Unprocessed) [758]  
PDF pg 58, pg 12, 3.1.88 SCSI port:

This usage of the term << element >> is not correct per the definitions of the term << element >>. This << An element of a SCSI device that connects the application client, >> should be << An object within a SCSI device that connects the application client, >>

IBM 29) No title assigned yet (Unprocessed) [759]  
PDF pg 58, pg 12, 3.1.90 SCSI port name:

This << port that is world wide unique within the protocol of the SCSI domain of that SCSI port (see 3.1.88). >> should be << port that is world wide unique. >> If it is only unique within the SCSI domain then it is of little or no value.

IBM 30) No title assigned yet (Unprocessed) [760]  
PDF pg 59, pg 13, 3.1.114 vendor specific (VS):

This << Something (e.g., a bit, field, code value, etc.) that is not defined by this standard >> should be << Something (e.g., a bit, field, code value) that is not defined by this standard >>

IBM 31) No title assigned yet (Unprocessed) [761]  
PDF pg 59, pg 13, 3.1.119 zero-padded:

This << end of the field (highest offset) and >> should be << end of the field (i.e., highest offset) and >>

IBM 32) No title assigned yet (Unprocessed) [762]  
PDF pg 60, pg 14, 3.2 Acronyms

This << SCSI-3 Fibre Channel Protocol - 2 >> should be << Fibre Channel Protocol for SCSI -2 >> as that is the official name of the standard.

IBM 33) No title assigned yet (Unprocessed) [763]  
PDF pg 63, pg 17, 3.5 Bit and byte ordering, 2nd paragraph

This << shown on the left; and bit 0 is the LSB and is shown >> should be << shown on the left, and bit 0 is the LSB and is shown >>

IBM 34) No title assigned yet (Unprocessed) [764]  
PDF pg 63, pg 17, 3.5 Bit and byte ordering, 4th paragraph

This << in the table (if any) that describes >> should be << in the table, if any, that describes >>

IBM 35) No title assigned yet (Unprocessed) [765]  
PDF pg 63, pg 17, 3.6.1 Notation for byte encoded character strings, 1st paragraph

This << are shown in exactly the case that is to be encoded. >> should be << are shown in the case that is to be encoded. >>

IBM 36) No title assigned yet (Unprocessed) [766]  
PDF pg 72, pg 26, 4.3.4.3 Logical block address, 1st paragraph

This is no such thing as a << partition volume >> there are partitions and there are volumes. Is what is meant here << within a volume or partition shall begin with block zero and be contiguous up to the last logical block of that logical unit or within that partition or volume. >>? If so it should be changed as indicated.

IBM 37) No title assigned yet (Unprocessed) [767]  
PDF pg 72, pg 26, 4.3.4.4 Transfer length, 1st paragraph

This << See the following descriptions and the individual command >> should be << See the descriptions in this subclause and the individual command >>



IBM 38) No title assigned yet (Unprocessed) [768]  
PDF pg 77, pg 31, 4.5.2.2 Information sense data descriptor, table 15

The VALID bit is always set to 1 so the table cell should be << VALID (1b) >>

IBM 39) No title assigned yet (Unprocessed) [769]  
PDF pg 78, pg 32, 4.5.2.4.1 Sense key specific sense data descriptor introduction, table 17

The SKSV bit is always set to 1 so the table cell should be << SKSV (1b) >>

IBM 40) No title assigned yet (Unprocessed) [770]  
PDF pg 79, pg 33, 4.5.2.4.2 Field pointer sense key specific data, table 19

The SKSV bit is always set to 1 so the table cell should be << SKSV (1b) >>

IBM 41) No title assigned yet (Unprocessed) [771]  
PDF pg 80, pg 34, 4.5.2.4.3 Actual retry count sense key specific data, table 20

The SKSV bit is always set to 1 so the table cell should be << SKSV (1b) >>

IBM 42) No title assigned yet (Unprocessed) [772]  
PDF pg 80, pg 34, 4.5.2.4.4 Progress indication sense key specific data, table 21

The SKSV bit is always set to 1 so the table cell should be << SKSV (1b) >>

IBM 43) No title assigned yet (Unprocessed) [773]  
PDF pg 80, pg 34, 4.5.2.4.4 Progress indication sense key specific data, note 7

This << with the number of defects encountered, etc., it is reasonable >> should be << with the number of defects encountered, it is reasonable >>

IBM 44) No title assigned yet (Unprocessed) [774]  
PDF pg 81, pg 35, 4.5.2.4.5 Segment pointer sense key specific data, table 22

The SKSV bit is always set to 1 so the table cell should be << SKSV (1b) >>

IBM 45) No title assigned yet (Unprocessed) [775]  
PDF pg 85, pg 39, 4.5.6 Sense key and sense code definitions, Table 27 - Key 2h

This << addressed cannot be accessed. >> should be << addressed is not able to be accessed. >>

IBM 46) No title assigned yet (Unprocessed) [776]  
PDF pg 102, pg 56, 5.2.1 Summary of commands implemented by all SCSI device servers

This << implement - INQUIRY, REQUEST SENSE, and TEST UNIT READY. >> should be << implement; INQUIRY, REQUEST SENSE, and TEST UNIT READY. >> And no comments from the peanut galley !!!.

IBM 47) No title assigned yet (Unprocessed) [777]  
PDF pg 102, pg 56, 5.2.2 Using the INQUIRY command

This << this information (or whatever part of it that is available) upon completing power-on initialization. >> should be << this information, or whatever part of it that is available, upon completing power-on initialization. >>

IBM 48) No title assigned yet (Unprocessed) [778]  
PDF pg 103, pg 57, 5.4 Parameter rounding, 3rd paragraph

This << cases, the type of rounding (up or down) is explicitly specified >> should be << cases, the type of rounding (i.e., up or down) is explicitly specified >>

IBM 49) No title assigned yet (Unprocessed) [779]  
PDF pg 103, pg 57, 5.5.2 The short and extended self-tests, 1st paragraph

This << SEND DIAGNOSTIC command: a short self-test and an extended self-test. >> should be << SEND DIAGNOSTIC command; a short self-test and an extended self-test. >>

IBM 50) No title assigned yet (Unprocessed) [780]  
PDF pg 103, pg 57, 5.5.2 The short and extended self-tests, Item a

This << included are: a buffer RAM test, a read/write circuitry test, and/or a test of the read/write heads; >> should be a new list of item under item a). << included are: aa) a buffer RAM test; bb) a read/write circuitry test, and/or; cc) a test of the read/write heads; >>

IBM 51) No title assigned yet (Unprocessed) [781]  
PDF pg 104, pg 58, 5.5.3 Self-test modes, 1st paragraph

This << There are two modes for short and extended self-tests: a foreground mode and a background mode. >> should be << There is a foreground mode and a background mode for both the short and extended self-tests. >>

IBM 52) No title assigned yet (Unprocessed) [782]  
PDF pg 105, pg 59, 5.5.3.2 Background mode, Table 29

This << NOTE 1 >> should be << NOTE >>.

IBM 53) No title assigned yet (Unprocessed) [783]  
PDF pg 105, pg 59, 5.5.3.2 Background mode, Last paragraph

This << field set to 100b (Abort background self-test function). >> should be << field set to 100b (i.e., abort background self-test function). >>

IBM 54) No title assigned yet (Unprocessed) [784]  
PDF pg 105, pg 59, 5.5.3.3 Features common to foreground and background self-test modes, 2nd paragraph

This << about the twenty most recently completed >> should be << about the 20 most recently completed >>

IBM 55) No title assigned yet (Unprocessed) [785]  
PDF pg 107, pg 61, 5.6.1 Persistent Reservations overview, 1st paragraph after a,b,c, list.

This << RESERVATION >> should be << RESERVE >>

IBM 56) No title assigned yet (Unprocessed) [786]  
PDF pg 108, pg 62, 5.6.1 Persistent Reservations overview, 1st paragraph above table 31

The statement << (preferred) >> is meaningless and should be deleted as it is essentially a note to the committee itself to do something. There is nothing an implementor can gain from the statement.

IBM 57) No title assigned yet (Unprocessed) [787]

PDF pg 112, pg 66, 5.6.4 Preserving persistent reservations and registrations, 1st paragraph after note 10

This << Any SCSI device and logical unit that supports >> should be << Any SCSI device with a logical unit that supports >>

IBM 58) No title assigned yet (Unprocessed) [788]

The author marked this comment as technical.

PDF pg 118, pg 72, 5.6.9 Persistent reservation holder

After the RESERVE AND MOVE service action the persistent reservation holder is no longer as stated in item b << the persistent reservation holder is the I\_T nexus for which the reservation was established >> I believe there should be a new item c that states something like << For all other persistent reservation types, the persistent reservation holder is the I\_T nexus to which the reservation is moved with a PERSISTENT RESERVE OUT command with RESERVE AND MOVE service action. >> and the << RESERVE AND MOVE service action >> should be deleted from item b.

IBM 59) No title assigned yet (Unprocessed) [789]

The author marked this comment as technical.

PDF pg 120, pg 74, 5.6.10.1.2 Processing for released registrants only persistent reservations, 1st paragraph

This <<becomes unregistered the persistent reservation shall be released. >> should be << becomes unregistered by means other than a CLEAR reservation action, PREEMPT service action, or PREEMPT AND ABORT service action the persistent reservation shall be released. >> Without this change it appears that two unit attentions are generated if there is a clear or preempt.

IBM 60) No title assigned yet (Unprocessed) [790]

The author marked this comment as technical.

PDF pg 120, pg 74, 5.6.10.1.2 Processing for released registrants only persistent reservations, First item b

This << was PREEMPT or PREEMPT AND ABORT, the additional sense code >> should be << was PREEMPT or PREEMPT AND ABORT and the TYPE or SCOPE have not changed, the additional sense code >>. This now leads into the next paragraph and eliminates the possibility of requiring multiple unit attentions.

IBM 61) No title assigned yet (Unprocessed) [791]

The author marked this comment as technical.

PDF pg 120, pg 74, 5.6.10.1.2 Processing for released registrants only persistent reservations, Last item b

The statement << If the service action was REGISTER or REGISTER AND IGNORE with the SERVICE ACTION KEY field set to zero, the additional sense code shall be set to RESERVATIONS RELEASED. >> makes no sense as the type and scope are ignored for register and register and ignore service actions. The statement << the service action was REGISTER or REGISTER AND IGNORE with the SERVICE ACTION KEY field set to zero >> seems to be an example of what is being described is the 1st paragraph of this section. I would move it as such << type reservation becomes unregistered the persistent reservation shall be released (e.g., if the service action was REGISTER or REGISTER AND IGNORE with the SERVICE ACTION KEY field set to zero).>>

IBM 62) No title assigned yet (Unprocessed) [792]  
PDF pg 121, pg 75, 5.6.10.2 Releasing, item c

This << a registrants only or >> should be << registrants only type or >> to make it clear with the name of the type is.

IBM 63) No title assigned yet (Unprocessed) [793]  
PDF pg 121, pg 75, 5.6.10.2 Releasing, 2nd paragraph before the last a.b.c list

This paragraph << The sense key shall be set to ILLEGAL REQUEST and the additional sense code shall be set to INVALID RELEASE OF PERSISTENT RESERVATION. >> appears to be the key/code/qual for the CC associated with the a,b,c list but this is not obvious. It should be move to before the list as such << CHECK CONDITION status the sense key shall be set to ILLEGAL REQUEST and the additional sense code shall be set to INVALID RELEASE OF PERSISTENT RESERVATION for a PERSISTENT RESERVE OUT command that specifies the release of a persistent reservation if: >>

IBM 64) No title assigned yet (Unprocessed) [794]  
PDF pg 122, pg 76, 5.6.10.3 Unregistering, Last paragraph

This << than all registrants, >> should be << than all registrants type, >> to make the wording consistent.

IBM 65) No title assigned yet (Unprocessed) [795]  
PDF pg 124, pg 78, 5.6.10.4.3 Preempting persistent reservations and registration handling, Last a.b.c. list

This << in the dormant, blocked, or enable state at the time >> should be << in the dormant, blocked, or enable state (see SAM-3) at the time >>

IBM 66) No title assigned yet (Unprocessed) [796]  
PDF pg 125, pg 79, 5.6.10.5 Preempting and aborting, First item A

This << if the NACA bit equals one in the CDB CONTROL >> should be << if the NACA bit is set to one in the CDB CONTROL >>

IBM 67) No title assigned yet (Unprocessed) [797]  
PDF pg 125, pg 79, 5.6.10.5 Preempting and aborting, 1st item A

This<< if the NACA bit equals zero; >> should be << if the NACA bit is set to zero; >>

IBM 68) No title assigned yet (Unprocessed) [798]  
PDF pg 125, pg 79, 5.6.10.5 Preempting and aborting, item c)

This << being preempted (called preempted tasks) >> should be << being preempted (i.e., preempted tasks) >>

IBM 69) No title assigned yet (Unprocessed) [799]  
PDF pg 126, pg 80, 5.6.10.5 Preempting and aborting, Item c

This << associated with the I\_T nexus associated with the persistent reservation >> should be << associated with the I\_T nexus and the persistent reservation >>

IBM 70) No title assigned yet (Unprocessed) [800]  
PDF pg 126, pg 80, 5.6.10.5 Preempting and aborting item c

This << preempted (called the preempted initiator port), >> should be << preempted (i.e., the preempted initiator port), >>

IBM 71) No title assigned yet (Unprocessed) [801]  
PDF pg 132, pg 86, 5.8.2.7 Implicit asymmetric logical units access management, item a)

This << identifier >> should be << designator >> to match the name change in VPD page 83h.

IBM 72) No title assigned yet (Unprocessed) [802]  
PDF pg 132, pg 86, 5.8.2.8 Explicit asymmetric logical units access management, item a)

This << identifier >> should be << designator >> to match the name change in VPD page 83h.

IBM 73) No title assigned yet (Unprocessed) [803]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 1st paragraph

The term << SCSI device >> should be << SCSI target device>>

IBM 74) No title assigned yet (Unprocessed) [804]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 1st paragraph

The term << port >> should be << SCSI target port >>

IBM 75) No title assigned yet (Unprocessed) [805]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 1st paragraph

The term << SCSI device >> should be << SCSI target device>>

IBM 76) No title assigned yet (Unprocessed) [806]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 1st paragraph

The term << port >> should be << SCSI target port >>

IBM 77) No title assigned yet (Unprocessed) [807]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 2nd paragraph

This << or the SCCS bit equal to one >> should be << or the SCCS bit set to one >>

IBM 78) No title assigned yet (Unprocessed) [808]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 3rd paragraph after table 43

The term << SCSI device >> should be << SCSI target device>>

IBM 79) No title assigned yet (Unprocessed) [809]  
PDF pg 141, pg 95, 6.2.1 CHANGE ALIASES command introduction, 3rd paragraph after table 43

The term << port >> should be << SCSI target port >>

IBM 80) No title assigned yet (Unprocessed) [810]  
PDF pg 142, pg 96, 6.2.1 CHANGE ALIASES command introduction, note12

The term << SCSI device >> should be << SCSI target device>>

IBM 81) No title assigned yet (Unprocessed) [811]  
PDF pg 142, pg 96, 6.2.1 CHANGE ALIASES command introduction, note 12

The term << port >> should be << SCSI target port >>

IBM 82) No title assigned yet (Unprocessed) [812]  
PDF pg 142, pg 96, 6.2.1 CHANGE ALIASES command introduction, note 12

This << an alias target >> should be << an alias SCSI target >>

IBM 83) No title assigned yet (Unprocessed) [813]  
PDF pg 144, pg 98, 6.2.3 Alias designation validation, note 14

This << would be invalid. >> should be << is invalid>>.

IBM 84) No title assigned yet (Unprocessed) [814]  
PDF pg 144, pg 98, 6.2.3 Alias designation validation, note 14

This <<designation would be valid >> should be << designation is valid >>.

IBM 85) No title assigned yet (Unprocessed) [815]  
PDF pg 146, pg 100, 6.3.1 EXTENDED COPY command introduction, 1st paragraph after table 48

This <<command. These actions may include media changer commands, loading of tapes, MODE SELECT commands, reservation commands, positioning of tape, etc. After >> should be << command (e.g., these actions may include media changer commands, loading of tapes, MODE SELECT commands, reservation commands, positioning of tape). After >>

IBM 86) No title assigned yet (Unprocessed) [816]  
PDF pg 146, pg 100, 6.3.1 EXTENDED COPY command introduction, 2nd paragraph after table 48

This << internal state; this shall not be considered an error. >> should be << internal state. This condition shall not be considered an error. >>

IBM 87) No title assigned yet (Unprocessed) [817]  
PDF pg 147, pg 101, 6.3.1 EXTENDED COPY command introduction, 3rd paragraph after table 48

This << begins with a sixteen byte header >> should be << begins with a 16 byte header >>

IBM 88) No title assigned yet (Unprocessed) [818]  
PDF pg 148, pg 102, 6.3.1 EXTENDED COPY command introduction, 3rd paragraph after note 16

This << copy manager that disk references are not necessarily sequential. >> should be << copy manager that disk references may not be sequential. >>

IBM 89) No title assigned yet (Unprocessed) [819]

PDF pg 148, pg 102, 6.3.1 EXTENDED COPY command introduction, 6th paragraph after note 16

This << copy target devices (the name given by the EXTENDED COPY command description to source and/or the destination logical units). >> should be << copy target devices (i.e., the name given by the EXTENDED COPY command description to source and/or the destination logical units). >>

IBM 90) No title assigned yet (Unprocessed) [820]

PDF pg 148, pg 102, 6.3.1 EXTENDED COPY command introduction, 6th paragraph after note 16

This << descriptor formats and shall list all target >> should be << descriptor formats, however, the copy manager shall list all target >>

IBM 91) No title assigned yet (Unprocessed) [821]

PDF pg 149, pg 103, 6.3.1 EXTENDED COPY command introduction, last paragraph

This << as prescribed by the>> should be << as specified by the>>

IBM 92) No title assigned yet (Unprocessed) [822]

PDF pg 149, pg 103, 6.3.2 Errors detected before starting processing of the segment descriptors, 1st paragraph

This << include CRC or parity errors while transferring >> should be << include CRC errors while transferring >> as there are no more parity errors only CRC as parity errors only occur on parallel SCSI.

IBM 93) No title assigned yet (Unprocessed) [823]

PDF pg 149, pg 103, 6.3.3 Errors detected during processing of segment descriptors, 2nd paragraph

This << of a segment cannot complete because >> should be << of a segment is not able to complete because >>

IBM 94) No title assigned yet (Unprocessed) [824]

PDF pg 149, pg 103, 6.3.3 Errors detected during processing of segment descriptors, 2nd paragraph

This << target device, or because the copy target device does not respond to INQUIRY, or because the data returned in response >> should be << target device, because the copy target device does not respond to INQUIRY, or because the data returned in response >>

IBM 95) No title assigned yet (Unprocessed) [825]

PDF pg 149, pg 103, 6.3.3 Errors detected during processing of segment descriptors, 3rd paragraph

This << of a segment cannot complete because >> should be << of a segment is not able to complete because >>

IBM 96) No title assigned yet (Unprocessed) [826]

PDF pg 150, pg 104, 6.3.3 Errors detected during processing of segment descriptors, note 17

This << fruitless repetition of retries. >> should be << excessive retries. >>

IBM 97) No title assigned yet (Unprocessed) [827]

PDF pg 150, pg 104, 6.3.3 Errors detected during processing of segment descriptors, item b

This << list. The first segment descriptor in the parameter list is assigned descriptor number zero, the second is assigned one, etc.; >> should be << list (i.e., The first segment descriptor in the parameter list is assigned descriptor number zero, the second is assigned one, etc.); >>

IBM 98) No title assigned yet (Unprocessed) [828]

PDF pg 151, pg 105, 6.3.3 Errors detected during processing of segment descriptors, item f

This << copy target device; and >> should be << copy target device; >>

IBM 99) No title assigned yet (Unprocessed) [829]

PDF pg 152, pg 106, 6.3.5 Descriptor type codes, table 50 footnote a

This << by 'tape' in the >> should be << by the term tape in the >>

IBM 100) No title assigned yet (Unprocessed) [830]

PDF pg 155, pg 109, 6.3.6.1 Target descriptors introduction, 4th paragraph under table 52

This << SCSI device >> should be << SCSI target device >>.

IBM 101) No title assigned yet (Unprocessed) [831]

PDF pg 155, pg 109, 6.3.6.1 Target descriptors introduction, 1st paragraph under table 53

This << field specifies the relative port identifier (see 7.6.8) of the >> should be << field specifies the relative port (see 7.6.8) of the >> as there is no relative port identifier.

IBM 102) No title assigned yet (Unprocessed) [832]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, 1st paragraph

This << identification >> should be << designation >> to go along with the changes in VPD page 83h.

IBM 103) No title assigned yet (Unprocessed) [833]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, 1st paragraph

This << IDENTIFIER TYPE, IDENTIFIER LENGTH, and IDENTIFIER field values. >> should be << DESIGNATOR TYPE, DESIGNATOR LENGTH, and DESIGNATOR field values. >> to go along with the changes in VPD page 83h.

IBM 104) No title assigned yet (Unprocessed) [834]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, 1st paragraph

This << target identifier >> should be << target port identifier >>

IBM 105) No title assigned yet (Unprocessed) [835]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, 1st paragraph

This << target identifiers >> should be << target port identifiers >>

IBM 106) No title assigned yet (Unprocessed) [836]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, table 54 in three places

This << IDENTIFIER >> should be << DESIGNATOR >> to go along with the changes in VPD page 83h.

IBM 107) No title assigned yet (Unprocessed) [837]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, 3rd paragraph after table 54

This << IDENTIFIER TYPE, IDENTIFIER LENGTH, and IDENTIFIER fields. >> should be << DESIGNATOR TYPE, DESIGNATOR LENGTH, and DESIGNATOR fields. >> to go along with the changes in VPD page 83h.



IBM 108) No title assigned yet (Unprocessed) [838]

PDF pg 156, pg 110, 6.3.6.2 Identification descriptor target descriptor format, 4th paragraph after table 54 in 2 places

This << identifier >> should be << designator >> to go along with the changes in VPD page 83h.

IBM 109) No title assigned yet (Unprocessed) [839]

PDF pg 157, pg 111, 6.3.6.2 Identification descriptor target descriptor format, 5th paragraph after table 54 in 3 places

This << identifier >> should be << designator >> to go along with the changes in VPD page 83h.

IBM 110) No title assigned yet (Unprocessed) [840]

The author marked this comment as technical.

PDF pg 157, pg 111, 6.3.6.3 Alias target descriptor format, 1st paragraph

This << a SCSI target device and >> should be << a SCSI target port and >>

IBM 111) No title assigned yet (Unprocessed) [841]

PDF pg 158, pg 112, 6.3.6.4 Device type specific target descriptor parameters for block device types, 1st paragraph

This << types (device type code values 00h, 04h, 05h, 07h, and 0Eh) is >> should be << types (i.e., device type code values 00h, 04h, 05h, 07h, and 0Eh) is >>

IBM 112) No title assigned yet (Unprocessed) [842]

PDF pg 158, pg 112, 6.3.6.4 Device type specific target descriptor parameters for block device types, last paragraph

This << type. That is, the copy manager may perform read operations from a source disk at any time and in any order during processing of an EXTENDED COPY command, provided that the relative order of writes and reads on the same blocks within the same target descriptor does not differ from their order in the segment descriptor list. >> should be << type (i.e., the copy manager may perform read operations from a source disk at any time and in any order during processing of an EXTENDED COPY command, provided that the relative order of writes and reads on the same blocks within the same target descriptor does not differ from their order in the segment descriptor list). >>

IBM 113) No title assigned yet (Unprocessed) [843]

PDF pg 158, pg 112, 6.3.6.5 Device type specific target descriptor parameters for sequential-access device types, 1st paragraph

This << sequential-access device type (device type code value 01h) is shown in table 57. >> should be << sequential-access device type (i.e., device type code value 01h) is shown in table 57. >>

IBM 114) No title assigned yet (Unprocessed) [844]

PDF pg 159, pg 113, 6.3.6.5 Device type specific target descriptor parameters for sequential-access device types, Last paragraph

This << device type. That is, the read operations required by a segment descriptor for which the source is a stream device shall not be started until all write operations for previous segment descriptors have completed. >> should be << device type (i.e., the read operations required by a segment descriptor for which the source is a stream device shall not be started until all write operations for previous segment descriptors have completed). >>

IBM 115) No title assigned yet (Unprocessed) [845]

PDF pg 159, pg 113, 6.3.6.6 Device type specific target descriptor parameters for processor device types, 1st paragraph

This << type (device type code value 03h) is shown in table 59. >> should be << type (i.e., device type code value 03h) is shown in table 59. >>

IBM 116) No title assigned yet (Unprocessed) [846]

PDF pg 160, pg 114, 6.3.7.1 Segment descriptors introduction, 3rd from last

This << descriptor. In most cases, the length is constant. >> should be << descriptor. The length should be constant. >>

IBM 117) No title assigned yet (Unprocessed) [847]

PDF pg 161, pg 115, 6.3.7.2 Segment descriptor processing, Table 61

This << Otherwise, just as much data as needed shall be processed (which may involve reading data from the source device) so that the destination data (which includes any residual destination data from the previous segment) is sufficient. >> should be << Otherwise, just as much data as needed shall be processed (i.e., data may be read from the source device) so that the destination data, which includes any residual destination data from the previous segment, is sufficient>>

IBM 118) No title assigned yet (Unprocessed) [848]

PDF pg 162, pg 116, 6.3.7.2 Segment descriptor processing, table 61

This << of bytes (starting with residual source data, if any) shall be processed. >> should be << of bytes, starting with residual source data, if any, shall be processed. >>

IBM 119) No title assigned yet (Unprocessed) [849]

PDF pg 162, pg 116, 6.3.7.2 Segment descriptor processing, table 61 last cell

This << not involve 'processing' as >> should be << not involve processing as >>

IBM 120) No title assigned yet (Unprocessed) [850]

PDF pg 163, pg 117, 6.3.7.2 Segment descriptor processing, Last paragraph

This << the PAD were equal to zero >> should be << the PAD bit is set to zero >>

IBM 121) No title assigned yet (Unprocessed) [851]

PDF pg 163, pg 117, 6.3.7.2 Segment descriptor processing, Last paragraph

This << the PAD were equal to zero >> should be << the PAD bit is set to zero >>

IBM 122) No title assigned yet (Unprocessed) [852]

PDF pg 164, pg 118, 6.3.7.3 Block device to stream device operations, 2nd paragraph after table 63 In two places

The arrow overlaps the s in stream. This needs to be fixed.

IBM 123) No title assigned yet (Unprocessed) [853]

PDF pg 164, pg 118, 6.3.7.3 Block device to stream device operations, 3rd paragraph after table 63

The arrow overlaps the s in stream. This needs to be fixed.

IBM 124) No title assigned yet (Unprocessed) [854]

PDF pg 165, pg 119, 6.3.7.4 Stream device to block device operations, 2nd paragraph in two places

The arrow overlaps the b in block. This needs to be fixed.

IBM 125) No title assigned yet (Unprocessed) [855]

PDF pg 165, pg 119, 6.3.7.4 Stream device to block device operations, 3rd paragraph

The arrow overlaps the b in block. This needs to be fixed.

IBM 126) No title assigned yet (Unprocessed) [856]

PDF pg 166, pg 120, 6.3.7.5 Block device to block device operations, 2nd paragraph under table 64 in two places

The arrow overlaps the b in block. This needs to be fixed.

IBM 127) No title assigned yet (Unprocessed) [857]

PDF pg 166, pg 120, 6.3.7.5 Block device to block device operations, 4th paragraph under table 64 i

The arrow overlaps the b in block. This needs to be fixed.

IBM 128) No title assigned yet (Unprocessed) [858]

PDF pg 167, pg 121, 6.3.7.5 Block device to block device operations, 3rd paragraph from the last

This << The BLOCK DEVICE NUMBER OF BLOCKS field specifies the number of blocks to be processed (if DC is set to zero) or to be written to the destination device (if DC is set to one). A value of zero shall not be considered as an error. >> should be << If the DC bit is set to zero, the BLOCK DEVICE NUMBER OF BLOCKS field specifies the number of blocks to be processed. If the DC bit is set to one the BLOCK DEVICE NUMBER OF BLOCKS field specifies the number of blocks to be written to the destination device. A value of zero shall not be considered as an error. >>

IBM 129) No title assigned yet (Unprocessed) [859]

PDF pg 168, pg 122, 6.3.7.6 Stream device to stream device operations, 2nd paragraph after table 65  
In two places

The arrow overlaps the s in stream. This needs to be fixed.

IBM 130) No title assigned yet (Unprocessed) [860]

PDF pg 168, pg 122, 6.3.7.6 Stream device to stream device operations, 3rd paragraph after table 65

The arrow overlaps the s in stream. This needs to be fixed.

IBM 131) No title assigned yet (Unprocessed) [861]

PDF pg 170, pg 124, 6.3.7.7 Inline data to stream device operation, 1st paragraph after table 66

The arrow overlaps the s in stream. This needs to be fixed.

IBM 132) No title assigned yet (Unprocessed) [862]

PDF pg 171, pg 125, 6.3.7.8 Embedded data to stream device operation, 1st paragraph after table 67

The arrow overlaps the s in stream. This needs to be fixed.

IBM 133) No title assigned yet (Unprocessed) [863]

PDF pg 172, pg 126, 6.3.7.9 Stream device to discard operation, 2nd paragraph after table 68 in two places

The arrow overlaps the d in discard. This needs to be fixed.

IBM 134) No title assigned yet (Unprocessed) [864]

PDF pg 173, pg 127, 6.3.7.9 Stream device to discard operation, 3rd paragraph after table 68 in 3 places

The arrow overlaps the d in discard. This needs to be fixed.

IBM 135) No title assigned yet (Unprocessed) [865]

PDF pg 174, pg 128, 6.3.7.10 Verify device operation, last paragraph

This << the TUR bit set to one, then a TEST >> should be << the TUR bit is set to one, then a TEST >>

IBM 136) No title assigned yet (Unprocessed) [866]

PDF pg 174, pg 128, 6.3.7.10 Verify device operation, last paragraph

This << the TUR bit set to one, then the EXTENDED COPY >> should be << the TUR bit is set to one, then the EXTENDED COPY >>

IBM 137) No title assigned yet (Unprocessed) [867]

PDF pg 174, pg 128, 6.3.7.10 Verify device operation, last paragraph

This << If the TUR bit contains zero, then the >> should be << If the TUR bit is set to zero, then the >>

IBM 138) No title assigned yet (Unprocessed) [868]

PDF pg 174, pg 128, 6.3.7.11 Block device with offset to stream device operation, 1st paragraph after table 70

The arrow overlaps the s in stream. This needs to be fixed.

IBM 139) No title assigned yet (Unprocessed) [869]

PDF pg 175, pg 129, 6.3.7.12 Stream device to block device with offset operation, 2nd paragraph

The arrow overlaps the b in block. This needs to be fixed.

IBM 140) No title assigned yet (Unprocessed) [870]

PDF pg 176, pg 130, 6.3.7.13 Block device with offset to block device with offset operation, 1st paragraph after table 71

The arrow overlaps the b in block. This needs to be fixed.

IBM 141) No title assigned yet (Unprocessed) [871]

PDF pg 177, pg 131, 6.3.7.14 Write filemarks operation, 1st paragraph after table 72

The arrow overlaps the y in tape. This needs to be fixed.

IBM 142) No title assigned yet (Unprocessed) [872]

PDF pg 178, pg 132, 6.3.7.15 Space operation, 1st paragraph after table 73

The arrow overlaps the t in tape. This needs to be fixed.

IBM 143) No title assigned yet (Unprocessed) [873]

PDF pg 179, pg 133, 6.3.7.16 Locate operation, 1st paragraph after table 74

The arrow overlaps the t in tape. This needs to be fixed.

IBM 144) No title assigned yet (Unprocessed) [874]

PDF pg 180, pg 134, 6.3.7.17 Tape device image copy operation, 1st paragraph after table 75

The arrow overlaps the < in <i>. This needs to be fixed.

IBM 145) No title assigned yet (Unprocessed) [875]

PDF pg 180, pg 134, 6.3.7.17 Tape device image copy operation, item c

This << count field >> should have count in small caps.

IBM 146) No title assigned yet (Unprocessed) [876]

PDF pg 180, pg 134, 6.3.7.17 Tape device image copy operation, item d

This << count field >> should have count in small caps.

IBM 147) No title assigned yet (Unprocessed) [877]

PDF pg 180, pg 134, 6.3.7.17 Tape device image copy operation, item d

This << if the RSMK bit in the Device Configuration mode page (see SSC-2) of the source device is on. >> should be << if the RSMK bit in the Device Configuration mode page (see SSC-2) of the source device is set to one. >>

IBM 148) No title assigned yet (Unprocessed) [878]

PDF pg 180, pg 134, 6.3.7.17 Tape device image copy operation, Last paragraph

This << In such cases, it is not possible to calculate a residue, so the information field in the sense data shall be set to zero. >> should be << If this occurs the information field in the sense data shall be set to zero. >>

IBM 149) No title assigned yet (Unprocessed) [879]

PDF pg 181, pg 135, 6.3.7.18 Register persistent reservation key operation,

NOTE 21 This note should be main line text.

IBM 150) No title assigned yet (Unprocessed) [880]

PDF pg 181, pg 135, 6.3.7.18 Register persistent reservation key operation, note 21

This << command may need to remove the reservation >> should be << command may remove the reservation >>

IBM 151) No title assigned yet (Unprocessed) [881]

The author marked this comment as technical.

PDF pg 185, pg 139, 6.4.2 Standard INQUIRY data, Table 79 footnote a

One could make an argument for obsoleting all these bits as this standard references SAM-3 which does not have support for parallel SCSI. << The meanings of these fields are specific to SPI-5 (see 6.4.3). For SCSI protocols other than the SCSI Parallel Interface, these fields are reserved.>>

IBM 152) No title assigned yet (Unprocessed) [882]

PDF pg 186, pg 140, 6.4.2 Standard INQUIRY data, Table 81

This table should be forced onto to one page to make it more readable.

IBM 153) No title assigned yet (Unprocessed) [883]

The author marked this comment as technical.  
PDF pg 196, pg 150, 6.4.2 Standard INQUIRY data

One could make an argument for obsoleting all these bits as this standard references SAM-3 which does not have support for parallel SCSI.

IBM 154) No title assigned yet (Unprocessed) [884]

PDF pg 197, pg 151, 6.4.4 Vital product data, 1st paragraph

This << and specifying the page code of the desired vital product data. >> should be << and specifying the page code of a vital product data. >>

IBM 155) No title assigned yet (Unprocessed) [885]

PDF pg 197, pg 151, 6.4.4 Vital product data, NOTES 25, 26, 27

These three notes should be main line text.

IBM 156) No title assigned yet (Unprocessed) [886]

PDF pg 199, pg 153, 6.5 LOG SELECT command, 1st paragraph

This << maintained by the device about the device or its logical units. >> should be << maintained by the SCSI target device about the SCSI target device or its logical units. >>

IBM 157) No title assigned yet (Unprocessed) [887]

PDF pg 199, pg 153, 6.5 LOG SELECT command, 1st paragraph

This << define the exact conditions and events that are logged. >> should be << define the conditions and events that are logged. >>

IBM 158) No title assigned yet (Unprocessed) [888]

PDF pg 201, pg 155, 6.6 LOG SENSE command, 1st paragraph

This << maintained by the device about the device or its logical units. >> should be << maintained by the SCSI target device about the SCSI target device or its logical units. >>

IBM 159) No title assigned yet (Unprocessed) [889]

PDF pg 205, pg 159, 6.9.1 MODE SENSE(6) command introduction, 2nd paragraph

This paragraph << A disable block descriptors (DBD) bit set to zero indicates that the device server may return zero or more block descriptors in the returned MODE SENSE data (see 7.4). A DBD bit set to one specifies that the device server shall not return any block descriptors in the returned MODE SENSE data. >> needs to be placed under table 95.

IBM 160) No title assigned yet (Unprocessed) [890]

PDF pg 207, pg 161, 6.9.1 MODE SENSE(6) command introduction, 2nd to last paragraph

This << parameter header and block descriptor (if applicable). >> should be << parameter header and block descriptor, if applicable.>>

IBM 161) No title assigned yet (Unprocessed) [891]

PDF pg 208, pg 162, 6.9.3 Changeable values, 2nd paragraph

This << Implementation of changeable mode page parameters is optional. >> is redundant with the information stated in the next sentence and should be deleted. Also, everything is optional unless stated otherwise.

IBM 162) No title assigned yet (Unprocessed) [892]

PDF pg 208, pg 162, 6.9.5 Saved values, 1st paragraph

This <<Implementation of saved mode page parameters is optional. >> is redundant with the information stated in the next sentence and should be deleted. Also, everything is optional unless stated otherwise.

IBM 163) No title assigned yet (Unprocessed) [893]

PDF pg 208, pg 162, 6.9.6 Initial responses, item c

This << application client (via a MODE SELECT command), >> should be << application client via a MODE SELECT command, >>

IBM 164) No title assigned yet (Unprocessed) [894]

PDF pg 211, pg 165, 6.11.2 READ KEYS service action, 2nd to last paragraph

This << first portion of the list (byte 0 to the allocation length) shall be sent >> should be << first portion of the list (i.e., byte 0 to the allocation length) shall be sent >>

IBM 165) No title assigned yet (Unprocessed) [895]

PDF pg 211, pg 165, 6.11.2 READ KEYS service action, Last paragraph

This << The reservation key list contains the 8-byte reservation keys for all I\_T nexuses that have registered with the device server through all combinations of initiator ports and target ports. >> should be << The reservation key list contains the 8-byte reservation keys for all I\_T nexuses that have registered with the device server. >>. The deleted information is redundant with the statement << for all I\_O nexuses >>. ...

IBM 166) No title assigned yet (Unprocessed) [896]

PDF pg 213, pg 167, 6.11.3.4 Persistent Reservations type, Table 105

There is no reasons why this table should be allowed to split across page boundaries. Change the orphan count to force the entire table onto one page.

IBM 167) No title assigned yet (Unprocessed) [897]

PDF pg 215, pg 169, 6.11.4 REPORT CAPABILITIES service action, 2n paragraph above table 107

This << because the most recent successfully completed PERSISTENT RESERVE OUT command with REGISTER or REGISTER AND IGNORE EXISTING KEY service action had the APTPL bit set to one in the parameter data. >> should be deleted as it is redundant with the information stated section 5.6.4 which is referenced in this sentence.

IBM 168) No title assigned yet (Unprocessed) [898]

PDF pg 217, pg 171, 6.11.5 READ FULL STATUS service action, item c

This statement << The I\_T nexuses are either all reservation holders or all not reservation holders. >> appears to contain no useful information as it covers all possible cases. It should be deleted.

IBM 169) No title assigned yet (Unprocessed) [899]

PDF pg 221, pg 175, 6.12.3 Basic PERSISTENT RESERVE OUT parameter list, 2nd paragraph under a,b,c list

This << The SERVICE ACTION RESERVATION KEY field contains information needed for four service actions: REGISTER, REGISTER AND IGNORE EXISTING KEY, PREEMPT, and PREEMPT AND ABORT. >> should be << The SERVICE ACTION RESERVATION KEY field contains information needed for the REGISTER service action, REGISTER AND IGNORE EXISTING KEY service action, PREEMPT service action, and PREEMPT AND ABORT service action. >>

IBM 170) No title assigned yet (Unprocessed) [900]

The author marked this comment as technical.

PDF pg 223, pg 177, 6.12.3 Basic PERSISTENT RESERVE OUT parameter list, 4th paragraph above table 114

This << in the SCSI target device (i.e., as if the same >> should be << in the SCSI target device known to the device server (i.e., as if the same >>

IBM 171) No title assigned yet (Unprocessed) [901]

PDF pg 223, pg 177, 6.12.3 Basic PERSISTENT RESERVE OUT parameter list, Table 114

The allowed scope columns cells should be centered vertically so the text aligns with all the other cells in the table.

IBM 172) No title assigned yet (Unprocessed) [902]

PDF pg 224, pg 178, 6.12.3 Basic PERSISTENT RESERVE OUT parameter list, Table 114

This table is shown in two parts but not along rows but rather columns. That being the case the second table should be numbered as 115 and the << (part n of n) >> in the title should be removed. In table 114 the << parameters (part 1 of 2) >> should be changed to << parameters (continued in table 115) >>. The parameters in table 115 should be << parameters (continued from table 114) >>.

IBM 173) No title assigned yet (Unprocessed) [903]

PDF pg 226, pg 180, 6.13 PREVENT ALLOW MEDIUM REMOVAL command, table 117

This <<attached medium changer (if any). >> should be << attached medium change, if any. >>

IBM 174) No title assigned yet (Unprocessed) [904]

PDF pg 226, pg 180, 6.13 PREVENT ALLOW MEDIUM REMOVAL command, table 117

This <<attached medium changer (if any). >> should be << attached medium change, if any. >>

IBM 175) No title assigned yet (Unprocessed) [905]

PDF pg 226, pg 180, 6.13 PREVENT ALLOW MEDIUM REMOVAL command, 2nd to last paragraph

The statement <<action of RESERVE, REGISTER AND IGNORE EXISTING KEY, or REGISTER service action, >> should be << action of RESERVE service action, REGISTER AND IGNORE EXISTING KEY service action, or REGISTER service action, >>

IBM 176) No title assigned yet (Unprocessed) [906]

PDF pg 226, pg 180, 6.13 PREVENT ALLOW MEDIUM REMOVAL command, 2nd to last paragraph

This << command with a service action of PREEMPT AND ABORT using >> should be << command with a PREEMPT AND ABORT service action using >>



IBM 177) No title assigned yet (Unprocessed) [907]

PDF pg 226, pg 180, 6.13 PREVENT ALLOW MEDIUM REMOVAL command, 2nd to last paragraph

This << value associated with the initiator port associated with that I\_T nexus in the SERVICE ACTION RESERVATION KEY field. >> should be << value associated with the initiator port and the I\_T nexus in the SERVICE ACTION RESERVATION KEY field. >>

IBM 178) No title assigned yet (Unprocessed) [908]

PDF pg 228, pg 182, 6.14.1 READ ATTRIBUTE command introduction, 2nd to last paragraph

This << send a new READ ATTRIBUTE command with >> should be << send a new READ ATTRIBUTE command with >> A spelling error wow ;-}

IBM 179) No title assigned yet (Unprocessed) [909]

PDF pg 232, pg 186, 6.15.2 Combined header and data mode (00h), 1st paragraph after table 126

This << reflect the allocation length; nor is it reduced to reflect the actual number >> should be << reflect the allocation length, nor is it reduced to reflect the actual number >>

IBM 180) No title assigned yet (Unprocessed) [910]

PDF pg 237, pg 191, 6.17.1 RECEIVE COPY RESULTS command introduction, 1st paragraph under table 133

This << which information is desired. >> should be << which information is to be transferred. >>

IBM 181) No title assigned yet (Unprocessed) [911]

PDF pg 237, pg 191, 6.17.1 RECEIVE COPY RESULTS command introduction, 2nd paragraph under table 133

This << command in the same manner it would if the EXTENDED COPY command had never been received. >> should be << command as if the EXTENDED COPY command had never been received. >>

IBM 182) No title assigned yet (Unprocessed) [912]

PDF pg 240, pg 194, 6.17.3 RECEIVE DATA service action, 1st paragraph

This << supports those segment descriptors require data to be held for transfer >> should be << supports those segment descriptors that require data to be held for transfer >>

IBM 183) No title assigned yet (Unprocessed) [913]

PDF pg 240, pg 194, 6.17.3 RECEIVE DATA service action, last paragraph

This << holding of data (called the oldest byte held) is returned in byte 4. >> should be << holding of data (i.e., the oldest byte held) is returned in byte 4. >>

IBM 184) No title assigned yet (Unprocessed) [914]

PDF pg 240, pg 194, 6.17.3 RECEIVE DATA service action, last paragraph

This << prescribing the holding of data (called the newest byte held) is returned in byte n.>> should be << prescribing the holding of data (i.e., the newest byte held) is returned in byte n.>>

IBM 185) No title assigned yet (Unprocessed) [915]

PDF pg 244, pg 198, 6.17.5 FAILED SEGMENT DETAILS service action, 2nd paragraph

This << which copy target devices (in particular stream devices) have been left by incomplete processing. >> should be << which copy target devices, in particular stream devices, have been left by incomplete processing. >>

IBM 186) No title assigned yet (Unprocessed) [916]

PDF pg 245, pg 199, 6.17.5 FAILED SEGMENT DETAILS service action, NOTE 32

So what is this all about? << Specific uses of the reserved bytes 4 to 55 are under discussion for SPC-3. >> this is SPC-3. Unless there is something that is going to happen here this should be deleted.

IBM 187) No title assigned yet (Unprocessed) [917]

PDF pg 251, pg 205, 6.21 REPORT LUNS command, 1st paragraph

This << Logical unit numbers for logical units with PERIPHERAL QUALIFIER values of 001b, 100b, 101b, 110b, or 111b may be included in the logical unit inventory. >> is a dangerous statement because the 010b value is not listed as it is reserved. To fix this I suggest the sentence be moved to the end of the paragraph and changed to << Logical unit numbers for logical units with valid PERIPHERAL QUALIFIER values of other than 000b and 011b may be included in the logical unit inventory. >>

IBM 188) No title assigned yet (Unprocessed) [918]

The author marked this comment as technical.

PDF pg 252, pg 206, 6.21 REPORT LUNS command, 2nd paragraph above table 147

I don't see how this << installed logical unit shall clear the REPORTED LUNS DATA HAS CHANGED unit attention condition for all logical units accessible to the I\_T nexus on which >> can be a requirement because there is no requirement in SAM-3 or elsewhere that requires every logical unit to have knowledge or every other logical unit accessible by a target port. This needs to be changed to something like << installed logical unit shall clear the REPORTED LUNS DATA HAS CHANGED unit attention condition for any logical units the addressed logical unit is aware of that is accessible to the I\_T nexus on which >>

IBM 189) No title assigned yet (Unprocessed) [919]

PDF pg 254, pg 208, 6.22 REPORT PRIORITY command, table 151

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 190) No title assigned yet (Unprocessed) [920]

PDF pg 254, pg 208, 6.22 REPORT PRIORITY command, 2nd paragraph after table 151

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 191) No title assigned yet (Unprocessed) [921]

PDF pg 254, pg 208, 6.22 REPORT PRIORITY command, 2nd paragraph after table 151

This << contains the relative target port identifier of the target port >> should be << specifies the SCSI target port relative to other SCSI ports in the SCSI device. >>

IBM 192) No title assigned yet (Unprocessed) [922]

PDF pg 260, pg 214, 6.24 REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command, 2nd to last paragraph

The target reset task management function has been removed from SAM-3 and therefore should be removed from this standard. Delete << A TARGET RESET supported (TRS) bit set to one indicates the TARGET RESET task management function (see SAM-3) is supported by the logical unit. An TRS bit set to zero indicates the TARGET RESET task management function is not supported. >> and the TRS bit from table 159.

IBM 193) No title assigned yet (Unprocessed) [923]

PDF pg 260, pg 214, 6.24 REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command, last paragraph

The wake-up task management function has been removed from SAM-3 and therefore should be removed from this standard. Delete << A WAKEUP supported (WAKES) bit set to one indicates the WAKEUP task management function is supported by the logical unit. An WAKES bit set to zero indicates the WAKEUP task management function is not supported. >>

IBM 194) No title assigned yet (Unprocessed) [924]

PDF pg 263, pg 217, 6.25 REPORT TARGET PORT GROUPS command, 1st paragraph under table 162

This << A PREF bit set to one indicates >> should be << A preferred target port (PREF) bit set to one indicates >>.

IBM 195) No title assigned yet (Unprocessed) [925]

PDF pg 263, pg 217, 6.25 REPORT TARGET PORT GROUPS command, 1st paragraph after table 163

This << If any of the U\_SUP bit, S\_SUP bit, AN\_SUP bit, or AO\_SUP bit is set to one, then the U\_SUP bit, >> should be << If any of the U\_SUP bit, S\_SUP bit, AN\_SUP bit, or AO\_SUP bit are set to one, then the U\_SUP bit, >>

IBM 196) No title assigned yet (Unprocessed) [926]

PDF pg 263, pg 217, 6.25 REPORT TARGET PORT GROUPS command, 2nd paragraph under table 163

This << A U\_SUP bit set to one indicates that the >> should be << An unavailable supported (U\_SUP) bit set to one indicates that the >>

IBM 197) No title assigned yet (Unprocessed) [927]

PDF pg 263, pg 217, 6.25 REPORT TARGET PORT GROUPS command, 3rd paragraph under table 163

This << A S\_SUP bit set to one indicates that the >> should be << An standby supported (s\_SUP) bit set to one indicates that the >>

IBM 198) No title assigned yet (Unprocessed) [928]

PDF pg 263, pg 217, 6.25 REPORT TARGET PORT GROUPS command, 4th paragraph under table 163

This << A AN\_SUP bit set to one indicates that the >> should be << An active/non-optimized supported (AN\_SUP) bit set to one indicates that the >>

IBM 199) No title assigned yet (Unprocessed) [929]

PDF pg 263, pg 217, 6.25 REPORT TARGET PORT GROUPS command, 5th paragraph under table 163

This << A AO\_SUP bit set to one indicates that the >> should be << An active/optimized supported (AO\_SUP) bit set to one indicates that the >>

IBM 200) No title assigned yet (Unprocessed) [930]

PDF pg 264, pg 218, 6.25 REPORT TARGET PORT GROUPS command, 1st paragraph before table 165

This << shall include exactly one target port descriptor for each target port in the >> should be << shall include one target port descriptor for each target port in the >>

IBM 201) No title assigned yet (Unprocessed) [931]

PDF pg 264, pg 218, 6.25 REPORT TARGET PORT GROUPS command, last paragraph

This << identifier >> should be << designator >>. This is a result of the change to VPD page 83h

IBM 202) No title assigned yet (Unprocessed) [932]

PDF pg 264, pg 218, 6.26 REQUEST SENSE command, 1st paragraph after table 166

This << The DESC bit indicates which sense data format shall >> should be << The descriptor format (DESC) bit indicates which sense data format shall >>

IBM 203) No title assigned yet (Unprocessed) [933]

PDF pg 265, pg 219, 6.26 REQUEST SENSE command, 5th paragraph after table 166

Make the << For example: >> a new paragraph.

IBM 204) No title assigned yet (Unprocessed) [934]

PDF pg 265, pg 219, 6.26 REQUEST SENSE command, last paragraph

This << return at least eighteen bytes of data in response >> should be << return at least 18 bytes of data in response >>

IBM 205) No title assigned yet (Unprocessed) [935]

PDF pg 265, pg 219, 6.26 REQUEST SENSE command, last paragraph

This << allocation length is eighteen or greater and the >> should be << allocation length is 18 or greater and the >>

IBM 206) No title assigned yet (Unprocessed) [936]

PDF pg 266, pg 220, 6.27 SEND DIAGNOSTIC command, 1st paragraph after table 167

This << If the SELFTEST bit is set to one, >> should be << If the self-test (SELFTEST) bit is set to one, >>

IBM 207) No title assigned yet (Unprocessed) [937]

PDF pg 266, pg 220, 6.27 SEND DIAGNOSTIC command, table 168 row 1

This << invoking a page format SEND DIAGNOSTIC function such as enclosure services (see SES) or the Translate Address diagnostic page (see SBC-2). >> should be deleted as it contains needless information. But if it does remain it should be changed to << invoking a page format SEND DIAGNOSTIC function (e.g., enclosure services (see SES) or the Translate Address diagnostic page (see SBC-2)). >>

IBM 208) No title assigned yet (Unprocessed) [938]

PDF pg 267, pg 221, 6.27 SEND DIAGNOSTIC command, 2nd paragraph after note 37

This << with GOOD status; otherwise, the command shall >> should be << with GOOD status. If the self-test fails the command shall >>

IBM 209) No title assigned yet (Unprocessed) [939]

PDF pg 267, pg 221, 6.27 SEND DIAGNOSTIC command, 3rd paragraph from end

This << The implementation of the UNITOFFL bit is optional. >> should be deleted as everything is optional unless specified otherwise.

IBM 210) No title assigned yet (Unprocessed) [940]

PDF pg 267, pg 221, 6.27 SEND DIAGNOSTIC command, 2nd paragraph from end

This <<The implementation of the DEVOFFL bit is optional. >> should be deleted as everything is optional unless specified otherwise.

IBM 211) No title assigned yet (Unprocessed) [941]

PDF pg 268, pg 222, 6.28 SET DEVICE IDENTIFIER command, 3rd paragraph

This << device identifier saved by the device, >> should be << device identifier saved by the logical unit, >>

IBM 212) No title assigned yet (Unprocessed) [942]

The author marked this comment as technical.

PDF pg 268, pg 222, 6.28 SET DEVICE IDENTIFIER command, 3rd paragraph

This << unit attention condition shall be generated for the initiator port associated with all I\_T nexuses except the one that issued the command, >> is completely unclear as to what initiators should receive a unit attention. I think it should be <<unit attention condition shall be generated for the initiator port associated with all I\_T nexuses except the I\_T nexus on which the SET IDENTIFIER command was received (see SAM-3), >>

IBM 213) No title assigned yet (Unprocessed) [943]

PDF pg 270, pg 224, 6.29 SET PRIORITY command, table 172 in 3 places

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 214) No title assigned yet (Unprocessed) [944]

PDF pg 270, pg 224, 6.29 SET PRIORITY command, table 173

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 215) No title assigned yet (Unprocessed) [945]

PDF pg 271, pg 225, 6.29 SET PRIORITY command, 2nd paragraph after table 173 in 2 places

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 216) No title assigned yet (Unprocessed) [946]

PDF pg 271, pg 225, 6.29 SET PRIORITY command, 2nd paragraph after table 173

This << contains the relative target port identifier of the target port >> should be << specifies the SCSI target port relative to other SCSI ports in the SCSI device. >>

IBM 217) No title assigned yet (Unprocessed) [947]

PDF pg 275, pg 229, 6.32 WRITE ATTRIBUTE command, 4th paragraph after table 180

This << parameter data is present; this shall not be considered an error. >> should be << parameter data is present transferred. This condition shall not be considered an error. >>

IBM 218) No title assigned yet (Unprocessed) [948]

PDF pg 277, pg 231, 6.32 WRITE ATTRIBUTE command, 1st item c

This << list shall be ignored; this shall not be considered an error. >> should be << list shall be ignored. This condition shall not be considered an error.

IBM 219) No title assigned yet (Unprocessed) [949]

PDF pg 278, pg 232, 6.33.1 WRITE BUFFER command introduction, 1st paragraph above table 183

This << The MODE field is defined in table 77. >> it not pointing to the right table. It appears to be a cold link.

IBM 220) No title assigned yet (Unprocessed) [950]

PDF pg 278, pg 232, 6.33.1 WRITE BUFFER command introduction, NOTES 39 and 40

Both of these notes should be moved to table footnotes in table 183.

IBM 221) No title assigned yet (Unprocessed) [951]

PDF pg 279, pg 233, 6.33.6 Download microcode and save mode (05h), 2nd paragraph

This << memory space (semiconductor, disk, or other). >> should be << memory space (e.g., semiconductor or disk). >>

IBM 222) No title assigned yet (Unprocessed) [952]

PDF pg 280, pg 234, 6.33.7 Download microcode with offsets (06h), 4th paragraph

This << information change (one or more commands) are not received before >> should be << information change (i.e., one or more commands) are not received before >>

IBM 223) No title assigned yet (Unprocessed) [953]

PDF pg 281, pg 235, 6.33.8 Download microcode with offsets and save mode (07h), 4th paragraph

This << control information change (one or more commands) are >> should be << control information change (i.e., one or more commands) are >>

IBM 224) No title assigned yet (Unprocessed) [954]

PDF pg 290, pg 244, 7.2.1 Log page structure and page codes for all device types, 3rd paragraph after table 192

This << The DU, DS, TSD, ETC, TMC, LBIN, and LP fields are collectively referred to as the PARAMETER CONTROL byte. >> should be << The DU, DS, TSD, ETC, LBIN, and LP bits and the TMC field are collectively referred to as the PARAMETER CONTROL byte. >>

IBM 225) No title assigned yet (Unprocessed) [955]

PDF pg 290, pg 244, 7.2.1 Log page structure and page codes for all device types, 3rd paragraph after table 192

This << These fields are described below in this subclause. >> should be << These fields are described in this subclause. >>

IBM 226) No title assigned yet (Unprocessed) [956]

PDF pg 290, pg 244, 7.2.1 Log page structure and page codes for all device types, item a

This << A zero value indicates that >> should be << DU set to zero indicates that >>

IBM 227) No title assigned yet (Unprocessed) [957]

PDF pg 290, pg 244, 7.2.1 Log page structure and page codes for all device types, item b

This << A one value indicates that the >> should be << DU set to one indicates that the >>

IBM 228) No title assigned yet (Unprocessed) [958]

PDF pg 291, pg 245, 7.2.1 Log page structure and page codes for all device types, 2nd paragraph under table 193

This << The LBIN bit is only valid if the LP bit is set to one. >> should be << The list binary (LBIN) bit is only valid if the LP bit is set to one. >>

IBM 229) No title assigned yet (Unprocessed) [959]

PDF pg 291, pg 245, 7.2.1 Log page structure and page codes for all device types, 4th paragraph under table 193

This << page (see 7.4.6) is set to one; then the device server shall terminate >> should be << page (see 7.4.6) is set to one, then the device server shall terminate >>

IBM 230) No title assigned yet (Unprocessed) [960]

PDF pg 291, pg 245, 7.2.1 Log page structure and page codes for all device types, item b

This << is set to one; then the command shall be >> should be << is set to one, then the command shall be >>

IBM 231) No title assigned yet (Unprocessed) [961]

PDF pg 292, pg 246, 7.2.1 Log page structure and page codes for all device types, 2nd paragraph above table 194

This << page is one, then the device server >> should be << page is set to one, then the device server >>

IBM 232) No title assigned yet (Unprocessed) [962]

PDF pg 292, pg 246, 7.2.1 Log page structure and page codes for all device types

The following paragraph should be added to the end of this section <<Additional information about the LOG parameters may be found in Annex C. >>

IBM 233) No title assigned yet (Unprocessed) [963]

PDF pg 293, pg 247, 7.2.1 Log page structure and page codes for all device types, table 194

The italicized << n >> in the << Last n Deferred Errors or Asynchronous Events >> and << Last n Error Events >> should be changed to normal text.

IBM 234) No title assigned yet (Unprocessed) [964]

PDF pg 294, pg 248, 7.2.2 Application Client log page, 1st paragraph before table 196

This << but the exact definition of the data is application client >> should be << but the specific definition of the data is application client >>

IBM 235) No title assigned yet (Unprocessed) [965]

PDF pg 295, pg 249, 7.2.2 Application Client log page, table 197

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 236) No title assigned yet (Unprocessed) [966]

PDF pg 295, pg 249, 7.2.3 Buffer Over-Run/Under-Run log page, 1st paragraph under table 198

This << 200), and a one-bit TYPE field. >> should be << 200), and TYPE bit. >>

IBM 237) No title assigned yet (Unprocessed) [967]

PDF pg 296, pg 250, 7.2.3 Buffer Over-Run/Under-Run log page, 1st paragraph under table 200

This << The TYPE field indicates whether the counter records under-runs or over-runs. A value of zero specifies a buffer under-run condition and a value of one specifies a buffer over-run condition. >> should be << The TYPE bit indicates whether the counter records under-runs or over-runs. A TYPE bit set to zero specifies a buffer under-run condition and a TYPE bit set to one specifies a buffer over-run condition. >>

IBM 238) No title assigned yet (Unprocessed) [968]

PDF pg 297, pg 251, 7.2.4 Error counter log pages, 1st paragraph

This << This subclause defines the optional >> should be << This subclause defines the >> as everything is optional unless otherwise specified.

IBM 239) No title assigned yet (Unprocessed) [969]

PDF pg 297, pg 251, 7.2.4 Error counter log pages, 1st paragraph under table 201

This << Support of each log parameter is optional. >> should be deleted as everything is options unless stated otherwise.

IBM 240) No title assigned yet (Unprocessed) [970]

PDF pg 299, pg 253, 7.2.5 Informational Exceptions log page, table 206

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 241) No title assigned yet (Unprocessed) [971]

PDF pg 299, pg 253, 7.2.6 Last n Deferred Errors or Asynchronous Events log page

The italicized << n >> should be made into a normal << n >> in this section and the next in all cases.

IBM 242) No title assigned yet (Unprocessed) [972]

PDF pg 299, pg 253, 7.2.6 Last n Deferred Errors or Asynchronous Events log page, last paragraph

This << The fields DU, TSD, ETC, and TMC are reserved and shall be set to zero. >> should be << The DU, TSD, and ETC bits shall be set to zero and The TMC field shall be set to zero. >>



IBM 243) No title assigned yet (Unprocessed) [973]

PDF pg 300, pg 254, 7.2.7 Last n Error Events log page, 2nd paragraph

This << each log parameter is an ASCII data (see 4.4.1) that may >> should be << each log parameter is ASCII data (see 4.4.1) that may >>

IBM 244) No title assigned yet (Unprocessed) [974]

PDF pg 300, pg 254, 7.2.7 Last n Error Events log page, 2nd paragraph

This << The exact contents of the character string is not defined by this standard. >> should be << The contents of the character string is not defined by this standard. >>

IBM 245) No title assigned yet (Unprocessed) [975]

PDF pg 301, pg 255, 7.2.7 Last n Error Events log page, 1st paragraph after table 209

This << contains the relative target port identifier (see 7.6.4.6) of the target port >> should be << specifies the SCSI target port relative to other SCSI ports (see 7.6.4.6) in the SCSI device. >>

IBM 246) No title assigned yet (Unprocessed) [976]

PDF pg 302, pg 256, 7.2.10 Self-Test Results log page, 1st paragraph

This << the results from the twenty most recent self-tests (see 5.5). >> should be << the results from the 20 most recent self-tests (see 5.5). >>

IBM 247) No title assigned yet (Unprocessed) [977]

PDF pg 302, pg 256, 7.2.10 Self-Test Results log page, 1st paragraph

This << If fewer than twenty self-tests have occurred, the unused >> should be << If fewer than 20 self-tests have occurred, the unused >>

IBM 248) No title assigned yet (Unprocessed) [978]

PDF pg 303, pg 257, 7.2.10 Self-Test Results log page, table 212

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 249) No title assigned yet (Unprocessed) [979]

PDF pg 304, pg 258, 7.2.10 Self-Test Results log page, table 213

This << with the SELF-TEST CODE field set to 100b (Abort background self-test). >> should be << with the SELF-TEST CODE field set to 100b (e.g., Abort background self-test). >>

IBM 250) No title assigned yet (Unprocessed) [980]

PDF pg 304, pg 258, 7.2.10 Self-Test Results log page, table 213

This << Another segment of the self-test failed (see the SELF-TEST SEGMENT NUMBER field). >> should be << Another segment of the self-test failed as defined in the SELF-TEST SEGMENT NUMBER field. >>

IBM 251) No title assigned yet (Unprocessed) [981]

PDF pg 304, pg 258, 7.2.10 Self-Test Results log page, 2nd paragraph after table 213

This << When the segment in which the failure occurred cannot or need not be identified, >> should be << When the segment in which the failure occurred is not able to be identified or need not be identified, >>

IBM 252) No title assigned yet (Unprocessed) [982]

PDF pg 305, pg 259, 7.2.11 Start-Stop Cycle Counter log page, 1st paragraph

This << This subclause defines the optional >> should be << This subclause defines the >> as everything is optional unless otherwise specified.

IBM 253) No title assigned yet (Unprocessed) [983]

PDF pg 306, pg 260, 7.2.11 Start-Stop Cycle Counter log page, table 215

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 254) No title assigned yet (Unprocessed) [984]

PDF pg 306, pg 260, 7.2.11 Start-Stop Cycle Counter log page, table 216

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 255) No title assigned yet (Unprocessed) [985]

PDF pg 306, pg 260, 7.2.11 Start-Stop Cycle Counter log page, 1st paragraph after table 216

This << parameter DS bit shall be one). >> should be << parameter DS bit shall be set to one). >>

IBM 256) No title assigned yet (Unprocessed) [986]

PDF pg 307, pg 261, 7.2.11 Start-Stop Cycle Counter log page, 1st paragraph after table 216

This << of the device without degrading the device's operation or reliability outside the limits specified by the manufacturer of the device. >> should be << of the SCSI target device without degrading the SCSI target device's operation or reliability outside the limits specified by the manufacturer of the SCSI target device. >>

IBM 257) No title assigned yet (Unprocessed) [987]

PDF pg 307, pg 261, 7.2.11 Start-Stop Cycle Counter log page, table 217

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 258) No title assigned yet (Unprocessed) [988]

PDF pg 307, pg 261, 7.2.11 Start-Stop Cycle Counter log page, 1st paragraph under table 217

This << (i.e., the log parameter DS bit shall be one). >> should be << (i.e., the log parameter DS bit shall be set to one). >>

IBM 259) No title assigned yet (Unprocessed) [989]

PDF pg 308, pg 262, 7.2.13 Temperature log page, 1st paragraph

This << This subclause defines the optional >> should be << This subclause defines the >> as everything is optional unless otherwise specified.

IBM 260) No title assigned yet (Unprocessed) [990]

PDF pg 309, pg 263, 7.2.13 Temperature log page, table 220

This << Ignored when ETC is 0 >> should be << Ignored when ETC is set to zero >>

IBM 261) No title assigned yet (Unprocessed) [991]

PDF pg 309, pg 263, 7.2.13 Temperature log page, 1st paragraph after table 220

This << may optionally be provided by the device using parameter >> should be << may be provided by the device using parameter >>

IBM 262) No title assigned yet (Unprocessed) [992]

PDF pg 310, pg 264, 7.3.1 Attribute format

Rename the << READ ONLY>> bit to << READ\_ONLY >>

IBM 263) No title assigned yet (Unprocessed) [993]

PDF pg 310, pg 264, 7.3.1 Attribute format, 2nd paragraph under table 222

This <<The ATTRIBUTE VALUE field contains the current (READ ATTRIBUTE) or desired (WRITE ATTRIBUTE) value of the attribute. >> should be << The ATTRIBUTE VALUE field contains the current (i.e., READ ATTRIBUTE) or intended (i.e., WRITE ATTRIBUTE) value of the attribute. >>

IBM 264) No title assigned yet (Unprocessed) [994]

PDF pg 312, pg 266, 7.3.2.2 Device type attributes, table 224

The << Attribute Length >> heading has no indication as to what units the length is in. This needs to be fixed.

IBM 265) No title assigned yet (Unprocessed) [995]

PDF pg 318, pg 272, 7.3.2.3 Medium type attributes, table 228

The << Attribute Length >> heading has no indication as to what units the length is in. This needs to be fixed.

IBM 266) No title assigned yet (Unprocessed) [996]

PDF pg 318, pg 272, 7.3.2.3.5 MEDIUM TYPE and MEDIUM TYPE INFORMATION:, Table 229

This table should not be permitted to split across pages. Fix this by change to orphans count to 99.

IBM 267) No title assigned yet (Unprocessed) [997]

PDF pg 319, pg 273, 7.3.2.4 Host type attributes, table 224

The << Attribute Length >> heading has no indication as to what units the length is in. This needs to be fixed.

IBM 268) No title assigned yet (Unprocessed) [998]

PDF pg 322, pg 276, 7.4.3 Mode parameter header formats, Last paragraph

This << or times sixteen if the LONGLBA bit is set to one, >> should be << or times 16if the LONGLBA bit is set to one, >>

IBM 269) No title assigned yet (Unprocessed) [999]

PDF pg 324, pg 278, 7.4.5 Mode page and subpage formats and page codes, 2nd paragraph after table 237

This << with a SPF bit equal to one contains a SUBPAGE CODE field. >> should be << with a SPF bit set to one contains a SUBPAGE CODE field. >>

IBM 270) No title assigned yet (Unprocessed) [1000]

PDF pg 324, pg 278, 7.4.5 Mode page and subpage formats and page codes, 3rd paragraph under table 237

This << the supported parameters cannot be saved. >> should be << the device server is not able to save the supported parameters. >>

IBM 271) No title assigned yet (Unprocessed) [1001]

PDF pg 331, pg 285, 7.4.8 Disconnect-Reconnect mode page, 1st paragraph

This << The name for this mode page, disconnect-reconnect, comes from the SCSI parallel interface. >> should be a note.

IBM 272) No title assigned yet (Unprocessed) [1002]

PDF pg 332, pg 286, 7.4.8 Disconnect-Reconnect mode page, note 53

The term << target port >> in the last sentence is the wrong font.

IBM 273) No title assigned yet (Unprocessed) [1003]

PDF pg 332, pg 286, 7.4.8 Disconnect-Reconnect mode page, 4th paragraph after note 53

This << 512 bytes (e.g., a value of one means >> should be << 512 bytes (i.e., a value of one means >>

IBM 274) No title assigned yet (Unprocessed) [1004]

PDF pg 332, pg 286, 7.4.8 Disconnect-Reconnect mode page, 4th paragraph after note 53

This << The relationship (if any) between data transfer operations and interconnect >> should be << The relationship, if any, between data transfer operations and interconnect >>

IBM 275) No title assigned yet (Unprocessed) [1005]

PDF pg 333, pg 287, 7.4.8 Disconnect-Reconnect mode page, 1st paragraph after table 247

This << of 512 bytes; a value of one means 512 bytes, two means 1024 bytes, etc. >> should be << of 512 bytes (i.e., a value of one means 512 bytes, two means 1024 bytes, etc.) >>

IBM 276) No title assigned yet (Unprocessed) [1006]

PDF pg 335, pg 289, 7.4.11 Informational Exceptions Control mode page, 1st paragraph

This << an additional sense code of FAILURE PREDICTION THRESHOLD EXCEEDED or WARNING to the application client. >> should be << an additional sense code of FAILURE PREDICTION THRESHOLD EXCEEDED or an additional sense code of WARNING to the application client. >>

IBM 277) No title assigned yet (Unprocessed) [1007]

PDF pg 336, pg 290, 7.4.11 Informational Exceptions Control mode page, table 251

This << If the TEST bit equals zero, >> should be << If the TEST bit is set to zero, >>

IBM 278) No title assigned yet (Unprocessed) [1008]

PDF pg 336, pg 290, 7.4.11 Informational Exceptions Control mode page, table 251

This << If the TEST bit equals one, >> should be << If the TEST bit is set to one, >>

IBM 279) No title assigned yet (Unprocessed) [1009]  
PDF pg 336, pg 290, 7.4.11 Informational Exceptions Control mode page, table 251

This << the TEST bit equals zero, >> should be << the TEST bit is set to zero, >>

IBM 280) No title assigned yet (Unprocessed) [1010]  
PDF pg 337, pg 291, 7.4.11 Informational Exceptions Control mode page, table 251

This << the TEST bit equals zero, >> should be << the TEST bit is set to zero, >>

IBM 281) No title assigned yet (Unprocessed) [1011]  
PDF pg 337, pg 291, 7.4.11 Informational Exceptions Control mode page, table 251

This << If the TEST bit equals one, >> should be << If the TEST bit is set to one, >>

IBM 282) No title assigned yet (Unprocessed) [1012]  
PDF pg 337, pg 291, 7.4.11 Informational Exceptions Control mode page, table 251

This << the TEST bit equals zero, >> should be << the TEST bit is set to zero, >>

IBM 283) No title assigned yet (Unprocessed) [1013]  
PDF pg 337, pg 291, 7.4.11 Informational Exceptions Control mode page, table 251

This << the TEST bit equals zero, >> should be << the TEST bit is set to zero, >>

IBM 284) No title assigned yet (Unprocessed) [1014]  
PDF pg 337, pg 291, 7.4.11 Informational Exceptions Control mode page, table 251

This << If the TEST bit equals one, >> should be << If the TEST bit is set to one, >>

IBM 285) No title assigned yet (Unprocessed) [1015]  
PDF pg 337, pg 291, 7.4.11 Informational Exceptions Control mode page, table 251

This << the TEST bit equals zero, >> should be << the TEST bit is set to zero, >>

IBM 286) No title assigned yet (Unprocessed) [1016]  
PDF pg 338, pg 292, 7.4.12 Power Condition mode page, 4th paragraph

This << (e.g., as a logical unit would do in response to a SYNCHRONIZE CACHE command as described in SBC-2) >> should be << (e.g., as a logical unit does in response to a SYNCHRONIZE CACHE command as described in SBC-2) >>

IBM 287) No title assigned yet (Unprocessed) [1017]  
PDF pg 343, pg 297, 7.5.2.2.2 Fibre Channel world wide port name alias entry designation, Table 258

Table 258 appears to be part of another table as the bytes are numbered 16-23 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 288) No title assigned yet (Unprocessed) [1018]  
PDF pg 343, pg 297, 7.5.2.2.3 Fibre Channel world wide port name with N\_Port checking alias entry designation, Table 259

Table 259 appears to be part of another table as the bytes are numbered 16-27 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 289) No title assigned yet (Unprocessed) [1019]

PDF pg 344, pg 298, 7.5.2.3.2 RDMA target port identifier alias entry designation, Table 261

Table 261 appears to be part of another table as the bytes are numbered 16-31 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 290) No title assigned yet (Unprocessed) [1020]

PDF pg 345, pg 299, 7.5.2.3.3 InfiniBand global identifier with target port identifier checking alias entry designation, Table 262

Table 262 appears to be part of another table as the bytes are numbered 16-47 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 291) No title assigned yet (Unprocessed) [1021]

PDF pg 345, pg 299, 7.5.2.4.1 Introduction to Internet SCSI specific alias entry designations, note 55

This << the named SCSI device may require a device server to have >> should be << the named SCSI target device may require a device server to have >>

IBM 292) No title assigned yet (Unprocessed) [1022]

PDF pg 346, pg 300, 7.5.2.4.2 iSCSI name alias entry designation, Table 264

Table 264 appears to be part of another table as the bytes are numbered 16 to 4m-1 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 293) No title assigned yet (Unprocessed) [1023]

PDF pg 346, pg 300, 7.5.2.4.2 iSCSI name alias entry designation, 1st paragraph under table 264

This << (see draft-ietf-ips-iscsi-16.txt). >> should be << (see RFC 3720) >>

IBM 294) No title assigned yet (Unprocessed) [1024]

PDF pg 346, pg 300, 7.5.2.4.3 iSCSI name with binary IPv4 address alias entry designation, Table 265

Table 265 appears to be part of another table as the bytes are numbered 16 to 4m+11 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 295) No title assigned yet (Unprocessed) [1025]

PDF pg 346, pg 300, 7.5.2.4.3 iSCSI name with binary IPv4 address alias entry designation, 1st paragraph under table 265

This << (see draft-ietf-ips-iscsi-16.txt). >> should be << (see RFC 3720) >>

IBM 296) No title assigned yet (Unprocessed) [1026]

PDF pg 347, pg 301, 7.5.2.4.4 iSCSI name with IPname alias entry designation, Table 266

Table 266 appears to be part of another table as the bytes are numbered 16 to 4m+7 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 297) No title assigned yet (Unprocessed) [1027]

PDF pg 347, pg 301, 7.5.2.4.4 iSCSI name with IPname alias entry designation, 1st paragraph under table 266

This << (see draft-ietf-ips-iscsi-16.txt). >> should be << (see RFC 3720) >>

IBM 298) No title assigned yet (Unprocessed) [1028]

PDF pg 348, pg 302, 7.5.2.4.4 iSCSI name with IPname alias entry designation, last paragraph

This << The Internet protocol domain name, port number and Internet protocol number >> should be << The Internet protocol domain name, port number, and Internet protocol number >>. Missing comma added

IBM 299) No title assigned yet (Unprocessed) [1029]

PDF pg 348, pg 302, 7.5.2.4.5 iSCSI name with binary IPv6 address alias entry designation, Table 267

Table 267 appears to be part of another table as the bytes are numbered 16 to 4m+23 but there is no wording that would point the reader to where that larger table is. A reference needs to be added to the larger table.

IBM 300) No title assigned yet (Unprocessed) [1030]

PDF pg 348, pg 302, 7.5.2.4.5 iSCSI name with binary IPv6 address alias entry designation, 1st paragraph under table 267

This << (see draft-ietf-ips-iscsi-16.txt). >> should be << (see RFC 3720) >>

IBM 301) No title assigned yet (Unprocessed) [1031]

PDF pg 348, pg 302, 7.5.2.4.5 iSCSI name with binary IPv6 address alias entry designation, last paragraph

This << The IPv6 address, port number and Internet protocol number provided >> should be << The IPv6 address, port number, and Internet protocol number provided >> Missing comma added.

IBM 302) No title assigned yet (Unprocessed) [1032]

PDF pg 349, pg 303, 7.5.3.1 Introduction to EXTENDED COPY protocol specific target descriptors, note 56

This << Target descriptors specify logical unit identifiers and may also >> should be << Target descriptors specify logical unit numbers and may also >> as there is no such thing as logical unit identifiers.

IBM 303) No title assigned yet (Unprocessed) [1033]

PDF pg 349, pg 303, 7.5.3.2 Fibre Channel world wide name EXTENDED COPY target descriptor format, 1st paragraph

This << Fibre Channel world wide name. >> should be << Fibre Channel Name\_Identifier. >>

IBM 304) No title assigned yet (Unprocessed) [1034]

PDF pg 349, pg 303, 7.5.3.2 Fibre Channel world wide name EXTENDED COPY target descriptor format, 2nd paragraph under table 268

This << field shall contain the port world wide name defined by the port login (PLOGI) extended link service (see FC-FS). >> should be << field shall contain the port Name\_Identifier defined by the port login (PLOGI) extended link service (see FC-FS). >>

IBM 305) No title assigned yet (Unprocessed) [1035]

PDF pg 349, pg 303, 7.5.3.2 Fibre Channel world wide name EXTENDED COPY target descriptor format, note 57

This << translating the world wide name to an N\_Port identifier (see 7.5.3.3). >> should be << translating the Name\_Identifier to an N\_Port identifier (see 7.5.3.3). >>

IBM 306) No title assigned yet (Unprocessed) [1036]

PDF pg 351, pg 305, 7.5.3.4 Fibre Channel N\_Port with world wide name checking EXTENDED COPY target descriptor format

The title of this section should change to << Fibre Channel N\_Port with Name\_Identifier checking EXTENDED COPY target descriptor format

IBM 307) No title assigned yet (Unprocessed) [1037]

PDF pg 351, pg 305, 7.5.3.4 Fibre Channel N\_Port with world wide name checking EXTENDED COPY target descriptor format, 1st paragraph

This << Fibre Channel N\_Port with World Wide Name checking use the target descriptor format shown >> should be << Fibre Channel N\_Port with Name\_Identifier checking use the target descriptor format shown >>

IBM 308) No title assigned yet (Unprocessed) [1038]

PDF pg 351, pg 305, 7.5.3.4 Fibre Channel N\_Port with world wide name checking EXTENDED COPY target descriptor format, 2nd paragraph under table 270

This << contain the port world wide name defined by the port login (PLOGI) extended link service (see FC-FS). >> should be << contain the port Name\_Identifier defined by the port login (PLOGI) extended link service (see FC-FS). >>

IBM 309) No title assigned yet (Unprocessed) [1039]

PDF pg 351, pg 305, 7.5.3.4 Fibre Channel N\_Port with world wide name checking EXTENDED COPY target descriptor format, last paragraph

This << associated with the world wide name in the WORLD WIDE NAME field. >> should be << associated with the Name\_Identifier in the WORLD WIDE NAME field. >>

IBM 310) No title assigned yet (Unprocessed) [1040]

PDF pg 357, pg 311, 7.5.4.2 TransportID for initiator ports using SCSI over Fibre Channel, 1st paragraph

This << port based on the world wide unique initiator port name belonging to that initiator port. >> should be << port based on the Name\_Identifier of the initiator port name belonging to that initiator port. >>

IBM 311) No title assigned yet (Unprocessed) [1041]

PDF pg 357, pg 311, 7.5.4.2 TransportID for initiator ports using SCSI over Fibre Channel, 1st paragraph after table 278

This << the port World Wide Name defined by the Physical Log In (PLOGI) extended link service, defined in FC-FS.>> should be << the port Name\_Identifier defined by the Physical Log In (PLOGI) extended link service, defined in FC-FS.>>

IBM 312) No title assigned yet (Unprocessed) [1042]

PDF pg 358, pg 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, 1st paragraph

This << the relative port identifier of the SCSI target >> should be << the relative port of the SCSI target >> as a result of the changes to VPD page 83h.



IBM 313) No title assigned yet (Unprocessed) [1043]

PDF pg 358, pg 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, table 279

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 314) No title assigned yet (Unprocessed) [1044]

PDF pg 358, pg 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, 2nd paragraph after table 279 in 2 places

This << RELATIVE TARGET PORT IDENTIFIER >> should be << RELATIVE TARGET PORT >> as a result of the changes to VPD page 83h.

IBM 315) No title assigned yet (Unprocessed) [1045]

PDF pg 358, pg 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, 2nd paragraph after table 279

This << specifies the relative port identifier of the SCSI target >> should be << specifies the relative port of the SCSI target>> as a result of the changes to VPD page 83h.

IBM 316) No title assigned yet (Unprocessed) [1046]

PDF pg 358, pg 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, 2nd paragraph after table 279

This << The relative port identifier value shall >> should be << The relative port value shall >> as a result of the changes to VPD page 83h.

IBM 317) No title assigned yet (Unprocessed) [1047]

PDF pg 358, pg 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, 2nd paragraph after table 279

This <<VPD page relative target port identifier >> should be << VPD page relative target port designator >> as a result of the changes to VPD page 83h.

IBM 318) No title assigned yet (Unprocessed) [1048]

PDF pg 359, pg 313, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI

The title of this section should be << TransportID for initiator ports using SCSI over iSCSI

IBM 319) No title assigned yet (Unprocessed) [1049]

PDF pg 360, pg 314, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, 2nd paragraph under table 283

This << iSCSI name of an iSCSI initiator node (see iSCSI). >> should be << iSCSI name of an iSCSI initiator node (see RFC 3720). >>

IBM 320) No title assigned yet (Unprocessed) [1050]

PDF pg 360, pg 314, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, 2nd paragraph under table 284

This << iSCSI name of an iSCSI initiator node (see iSCSI). >> should be << iSCSI name of an iSCSI initiator node (see RFC 3720). >>

IBM 321) No title assigned yet (Unprocessed) [1051]

PDF pg 361, pg 315, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, last paragraph

This <<iSCSI initiator session identifier (see iSCSI) >> should be << iSCSI initiator session identifier (see RFC 3720). >>

IBM 322) No title assigned yet (Unprocessed) [1052]

PDF pg 362, pg 316, 7.6.1 Vital product data parameters overview and page codes, 1st paragraph

This << These VPD pages are optionally returned by the INQUIRY command >> should be << These VPD pages are returned by the INQUIRY command >>. It is not optional as some VPD pages re now mandatory.

IBM 323) No title assigned yet (Unprocessed) [1053]

PDF pg 363, pg 317, 7.6.2 ASCII Implemented Operating Definition VPD page, last paragraph

This << The data in this field shall be formatted in lines (or character strings). >> should be << The data in this field shall be formatted in lines or character strings. >>

IBM 324) No title assigned yet (Unprocessed) [1054]

PDF pg 364, pg 318, 7.6.4.1 Device Identification VPD page overview, 1st paragraph two places

Change << identification descriptors >> to << designation descriptors >>

IBM 325) No title assigned yet (Unprocessed) [1055]

PDF pg 364, pg 318, 7.6.4.1 Device Identification VPD page overview, 1st paragraph

This <<associations of identifier are supported). >> should be << associations of designator are supported). >>

IBM 326) No title assigned yet (Unprocessed) [1056]

The author marked this comment as technical.

PDF pg 364, pg 318, 7.6.4.1 Device Identification VPD page overview

Add to the 1st paragraph the following <<Device designators consist of one or more of the following: a) logical unit numbers; b) logical unit names; c) SCSI target port identifiers; d) SCSI target port names; e) SCSI target port relative numbers; f) SCSI target device names; g) SCSI target port group number; or h) logical unit group number.

IBM 327) No title assigned yet (Unprocessed) [1057]

The author marked this comment as technical.

PDF pg 364, pg 318, 7.6.4.1 Device Identification VPD page overview

The terms << identification >> and << identifier >> in this section are intended to use the common English definition for those words. But in most other places in this standard and other SCSI standards the term << identifier >> has a special definition. This is causing confusion. Also, in many cases the << identifier >> in this section is really a << name >> which is causing even more confusion. Unfortunately we cannot just change << identifier >> to << name >> because some of the identifiers are not names but things like relative numbers. I suggest we change the terms as follows in this section except for the titles and where identifier is really an identifier: identification to designation identifier to designator I have indicted all the changes in this section that would be required. Note that not all identifiers are changed to designators as in some cases that would create an invalid case.

IBM 328) No title assigned yet (Unprocessed) [1058]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, 2nd paragraph

This << Device identifiers >> should be << The device designators reported in this VPD page >>

IBM 329) No title assigned yet (Unprocessed) [1059]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, Second paragraph

This << use the device identifiers during system configuration >> should be << use the device designators reported in this VDP page during system configuration >>

IBM 330) No title assigned yet (Unprocessed) [1060]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, Table 289 in 3 places

This << Identification >> should be << Designation >>

IBM 331) No title assigned yet (Unprocessed) [1061]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, 3rd paragraph after table 289

This << Each identification descriptor >> should be << Each designation descriptor >>

IBM 332) No title assigned yet (Unprocessed) [1062]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, 3rd paragraph after table 289

This << identifying >> should be << designating >>

IBM 333) No title assigned yet (Unprocessed) [1063]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, 3rd paragraph after table 289

This << identification descriptors >> should be << designation descriptors >>

IBM 334) No title assigned yet (Unprocessed) [1064]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, table 290

This << IDENTIFIER TYPE >> should be << DESIGNATOR TYPE >>.

IBM 335) No title assigned yet (Unprocessed) [1065]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, table 290 two places

This << IDENTIFIER >> should be << DESIGNATOR >>

IBM 336) No title assigned yet (Unprocessed) [1066]

PDF pg 365, pg 319, 7.6.4.1 Device Identification VPD page overview, 1st paragraph after table 290 in two places

This << identification descriptor>> should be << designation descriptor>>

IBM 337) No title assigned yet (Unprocessed) [1067]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, 2nd paragraph after table 290 in two places

This << IDENTIFIER field >> should be << DESIGNATOR field >>

IBM 338) No title assigned yet (Unprocessed) [1068]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, table 291 in 3 places

This << IDENTIFIER field >> should be << DESIGNATOR field >>

IBM 339) No title assigned yet (Unprocessed) [1069]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, 2nd paragraph after table 291

This << IDENTIFIER field >> should be << DESIGNATOR field >>

IBM 340) No title assigned yet (Unprocessed) [1070]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, 2nd paragraph after table 291

This << Identification descriptor >> should be << Designation descriptor >>.

IBM 341) No title assigned yet (Unprocessed) [1071]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, table 292 in 3 places

This << IDENTIFIER field >> should be << DESIGNATOR field >>

IBM 342) No title assigned yet (Unprocessed) [1072]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, 1st after table 292

This << IDENTIFIER TYPE field >> should be << DESIGNATOR TYPE field >>.

IBM 343) No title assigned yet (Unprocessed) [1073]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, Table 293

The title of this table should be << Designator type >>.

IBM 344) No title assigned yet (Unprocessed) [1074]

PDF pg 367, pg 321, 7.6.4.1 Device Identification VPD page overview, 1st paragraph after table 293 in 3 places

This << identifier >> should be <<designator >>

IBM 345) No title assigned yet (Unprocessed) [1075]

PDF pg 367, pg 321, 7.6.4.1 Device Identification VPD page overview, 2nd paragraph after table 293 in 4 places

This << identifier >> should be <<designator >>

IBM 346) No title assigned yet (Unprocessed) [1076]

PDF pg 367, pg 321, 7.6.4.2 Vendor specific identifier format

Title of this section should be << Vendor specific designator format >>

IBM 347) No title assigned yet (Unprocessed) [1077]

PDF pg 367, pg 321, 7.6.4.2 Vendor specific identifier format, 1st paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 348) No title assigned yet (Unprocessed) [1078]

PDF pg 367, pg 321, 7.6.4.2 Vendor specific identifier format, Table 294

This title should be << Vendor specific DESIGNATOR field format

IBM 349) No title assigned yet (Unprocessed) [1079]  
PDF pg 367, pg 321, 7.6.4.2 Vendor specific identifier format, TABLE 294

This << VENDOR SPECIFIC IDENTIFIER >> should be << VENDOR SPECIFIC DESIGNATOR >>

IBM 350) No title assigned yet (Unprocessed) [1080]  
PDF pg 367, pg 321, 7.6.4.3 T10 vendor identification format, 1st paragraph

This << identifier type >> should be << designator type >>

IBM 351) No title assigned yet (Unprocessed) [1081]  
PDF pg 367, pg 321, 7.6.4.3 T10 vendor identification format, 1st paragraph

This << identifier field>> should be << designator field >>

IBM 352) No title assigned yet (Unprocessed) [1082]  
PDF pg 367, pg 321, 7.6.4.3 T10 vendor identification format, Table 295

The title should be << T10 vendor identifier DESIGNATOR field format

IBM 353) No title assigned yet (Unprocessed) [1083]  
PDF pg 367, pg 321, 7.6.4.3 T10 vendor identification format, table 295

This << VENDOR SPECIFIC IDENTIFIER >> should be << VENDOR SPECIFIC DESIGNATOR >>

IBM 354) No title assigned yet (Unprocessed) [1084]  
PDF pg 367, pg 321, 7.6.4.3 T10 vendor identification format, 1st paragraph after note 64

This << VENDOR SPECIFIC IDENTIFIER field >> should be << VENDOR SPECIFIC DESIGNATOR field >>

IBM 355) No title assigned yet (Unprocessed) [1085]  
PDF pg 367, pg 321, 7.6.4.3 T10 vendor identification format, 1st paragraph after note 64 in two places

This << IDENTIFIER field >> should be << DESIGNATOR field >>

IBM 356) No title assigned yet (Unprocessed) [1086]  
PDF pg 368, pg 322, 7.6.4.4 EUI-64 based identifier format

This section title should be << EUI-64 based designator format >>

IBM 357) No title assigned yet (Unprocessed) [1087]  
PDF pg 368, pg 322, 7.6.4.4.1 EUI-64 based identifier format overview, 1st paragraph in 3 places

This << identifier >> should be <<designator >>

IBM 358) No title assigned yet (Unprocessed) [1088]  
PDF pg 368, pg 322, 7.6.4.4.1 EUI-64 based identifier format overview

This section title should be << EUI-64 based designator format overview >>

IBM 359) No title assigned yet (Unprocessed) [1089]

PDF pg 368, pg 322, 7.6.4.4.1 EUI-64 based identifier format overview, 1st paragraph in 3 places

This << identification >> should be << designation >>

IBM 360) No title assigned yet (Unprocessed) [1090]

PDF pg 368, pg 322, 7.6.4.4.1 EUI-64 based identifier format overview, Table 296

This title should be << EUI-64 based designator lengths >>

IBM 361) No title assigned yet (Unprocessed) [1091]

PDF pg 368, pg 322, 7.6.4.4.1 EUI-64 based identifier format overview, table 296 in 3 places

This << identifier >> should be <<designator >>

IBM 362) No title assigned yet (Unprocessed) [1092]

PDF pg 368, pg 322, 7.6.4.4.2 EUI-64 identifier format, 1st paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 363) No title assigned yet (Unprocessed) [1093]

PDF pg 368, pg 322, 7.6.4.4.2 EUI-64 identifier format

This section title should be << EUI-64 designator format >>

IBM 364) No title assigned yet (Unprocessed) [1094]

PDF pg 368, pg 322, 7.6.4.4.2 EUI-64 identifier format, Table 297

This title should be << EUI-64 DESIGNATOR field format >>

IBM 365) No title assigned yet (Unprocessed) [1095]

PDF pg 368, pg 322, 7.6.4.4.2 EUI-64 identifier format, table 297

This << VENDOR SPECIFIC EXTENSION IDENTIFIER >> should be << VENDOR SPECIFIC EXTENSION DESIGNATOR>>

IBM 366) No title assigned yet (Unprocessed) [1096]

PDF pg 368, pg 322, 7.6.4.4.2 EUI-64 identifier format, 2nd paragraph after table 297

This << VENDOR SPECIFIC EXTENSION IDENTIFIER >> should be << VENDOR SPECIFIC EXTENSION DESIGNATOR>>

IBM 367) No title assigned yet (Unprocessed) [1097]

PDF pg 369, pg 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format

This section title should be << EUI-64 based 12-byte designator format>>

IBM 368) No title assigned yet (Unprocessed) [1098]

PDF pg 369, pg 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format, 1st paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 369) No title assigned yet (Unprocessed) [1099]  
PDF pg 369, pg 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format, Table 298

This title should be << EUI-64 based 12-byte DESIGNATOR field format >>

IBM 370) No title assigned yet (Unprocessed) [1100]  
PDF pg 369, pg 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format, table 298

This << VENDOR SPECIFIC EXTENSION IDENTIFIER >> should be << VENDOR SPECIFIC EXTENSION DESIGNATOR>>

IBM 371) No title assigned yet (Unprocessed) [1101]  
PDF pg 369, pg 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format, 1st paragraph after table 298

This << VENDOR SPECIFIC EXTENSION IDENTIFIER >> should be << VENDOR SPECIFIC EXTENSION DESIGNATOR>>

IBM 372) No title assigned yet (Unprocessed) [1102]  
PDF pg 369, pg 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format

This section title should be << EUI-64 based 16-byte designator format >>

IBM 373) No title assigned yet (Unprocessed) [1103]  
PDF pg 369, pg 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format, 1st paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 374) No title assigned yet (Unprocessed) [1104]  
PDF pg 369, pg 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format, Table 299

This title should be << EUI-64 based 16-byte DESIGNATOR field format

IBM 375) No title assigned yet (Unprocessed) [1105]  
PDF pg 369, pg 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format, table 299

This << VENDOR SPECIFIC EXTENSION IDENTIFIER >> should be << VENDOR SPECIFIC EXTENSION DESIGNATOR>>

IBM 376) No title assigned yet (Unprocessed) [1106]  
PDF pg 369, pg 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format, 2nd paragraph after table 299

This << VENDOR SPECIFIC EXTENSION IDENTIFIER >> should be << VENDOR SPECIFIC EXTENSION DESIGNATOR>>

IBM 377) No title assigned yet (Unprocessed) [1107]  
PDF pg 370, pg 324, 7.6.4.5 NAA identifier format

This section title should be << NAA designator format >>

IBM 378) No title assigned yet (Unprocessed) [1108]  
PDF pg 370, pg 324, 7.6.4.5.1 NAA identifier basic format

This section title should be << NAA designator basic format >>

IBM 379) No title assigned yet (Unprocessed) [1109]  
PDF pg 370, pg 324, 7.6.4.5.1 NAA identifier basic format, 1st paragraph in 3 places

This << identifier >> should be <<designator >>

IBM 380) No title assigned yet (Unprocessed) [1110]  
PDF pg 370, pg 324, 7.6.4.5.1 NAA identifier basic format, Table 300

The table title should be << NAA DESIGNATOR field format >>

IBM 381) No title assigned yet (Unprocessed) [1111]  
PDF pg 370, pg 324, 7.6.4.5.1 NAA identifier basic format, 1st paragraph after table 300

This << identifier >> should be <<designator >>

IBM 382) No title assigned yet (Unprocessed) [1112]  
PDF pg 370, pg 324, 7.6.4.5.2 NAA IEEE Extended identifier format, 1st paragraph in 2 places

This << identifier >> should be <<designator >>

IBM 383) No title assigned yet (Unprocessed) [1113]  
PDF pg 370, pg 324, 7.6.4.5.2 NAA IEEE Extended identifier format

This section title should be << NAA IEEE Extended designator format >>

IBM 384) No title assigned yet (Unprocessed) [1114]  
PDF pg 370, pg 324, 7.6.4.5.2 NAA IEEE Extended identifier format, Table 302

The table title should be << NAA IEEE Extended DESIGNATOR field format >>

IBM 385) No title assigned yet (Unprocessed) [1115]  
PDF pg 370, pg 324, 7.6.4.5.2 NAA IEEE Extended identifier format, table 302 in 2 places

This << VENDOR SPECIFIC IDENTIFIER >> should be << VENDOR SPECIFIC DESIGNATOR >>

IBM 386) No title assigned yet (Unprocessed) [1116]  
PDF pg 370, pg 324, 7.6.4.5.2 NAA IEEE Extended identifier format, 2nd paragraph after table 302

This << VENDOR SPECIFIC IDENTIFIER A>> should be << VENDOR SPECIFIC DESIGNATOR A>>

IBM 387) No title assigned yet (Unprocessed) [1117]  
PDF pg 371, pg 325, 7.6.4.5.2 NAA IEEE Extended identifier format, 3rd paragraph after table 302

This << VENDOR SPECIFIC IDENTIFIER B>> should be << VENDOR SPECIFIC DESIGNATOR B>>

IBM 388) No title assigned yet (Unprocessed) [1118]  
PDF pg 371, pg 325, 7.6.4.5.2 NAA IEEE Extended identifier format, NOTE 67

This << The EUI-64 identifier format >> should be << The EUI-64 designator format >>

IBM 389) No title assigned yet (Unprocessed) [1119]  
PDF pg 371, pg 325, 7.6.4.5.2 NAA IEEE Extended identifier format, note 67

This << The IEEE Extended identifier format >> should be << The IEEE Extended designator format >>



IBM 390) No title assigned yet (Unprocessed) [1120]  
PDF pg 371, pg 325, 7.6.4.5.3 NAA IEEE Registered identifier format, 1st paragraph in 2 places

This << identifier >> should be <<designator >>

IBM 391) No title assigned yet (Unprocessed) [1121]  
PDF pg 371, pg 325, 7.6.4.5.3 NAA IEEE Registered identifier format, Table 303

The table title should be << NAA IEEE Registered DESIGNATOR field format >>

IBM 392) No title assigned yet (Unprocessed) [1122]  
PDF pg 371, pg 325, 7.6.4.5.3 NAA IEEE Registered identifier format, table 303

This << VENDOR SPECIFIC IDENTIFIER >> should be << VENDOR SPECIFIC DESIGNATOR >>

IBM 393) No title assigned yet (Unprocessed) [1123]  
PDF pg 371, pg 325, 7.6.4.5.3 NAA IEEE Registered identifier format, 2nd paragraph after table 303

This << VENDOR SPECIFIC IDENTIFIER>> should be << VENDOR SPECIFIC DESIGNATOR>>

IBM 394) No title assigned yet (Unprocessed) [1124]  
PDF pg 371, pg 325, 7.6.4.5.3 NAA IEEE Registered identifier format, NOTE 68

This << The EUI-64 identifier format >> should be << The EUI-64 designator format >>

IBM 395) No title assigned yet (Unprocessed) [1125]  
PDF pg 371, pg 325, 7.6.4.5.3 NAA IEEE Registered identifier format, note 68

This << The IEEE Extended identifier format >> should be << The IEEE Extended designator format >>

IBM 396) No title assigned yet (Unprocessed) [1126]  
PDF pg 371, pg 325, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, 1st paragraph in 2 places

This << identifier >> should be <<designator >>

IBM 397) No title assigned yet (Unprocessed) [1127]  
PDF pg 371, pg 325, 7.6.4.5.4 NAA IEEE Registered Extended identifier format

This section title should be << NAA IEEE Registered Extended designator format >>

IBM 398) No title assigned yet (Unprocessed) [1128]  
PDF pg 371, pg 325, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, Table 304

The table title should be << NAA IEEE Registered Extended DESIGNATOR field format >>

IBM 399) No title assigned yet (Unprocessed) [1129]  
PDF pg 371, pg 325, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, table 304 in 2 places

This << VENDOR SPECIFIC IDENTIFIER >> should be << VENDOR SPECIFIC DESIGNATOR >>

IBM 400) No title assigned yet (Unprocessed) [1130]

PDF pg 372, pg 326, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, 2nd paragraph after table 304

This << VENDOR SPECIFIC IDENTIFIER>> should be << VENDOR SPECIFIC DESIGNATOR>>

IBM 401) No title assigned yet (Unprocessed) [1131]

PDF pg 372, pg 326, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, NOTE 69

This << The EUI-64 identifier format >> should be << The EUI-64 designator format >>

IBM 402) No title assigned yet (Unprocessed) [1132]

PDF pg 372, pg 326, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, note 69

This << The IEEE Extended identifier format >> should be << The IEEE Extended designator format >>

IBM 403) No title assigned yet (Unprocessed) [1133]

PDF pg 372, pg 326, 7.6.4.5.4 NAA IEEE Registered Extended identifier format, 3rd paragraph after table 304

This << VENDOR SPECIFIC IDENTIFIER EXTENSION >> should be << VENDOR SPECIFIC DESIGNATOR EXTENSION >>

IBM 404) No title assigned yet (Unprocessed) [1134]

PDF pg 372, pg 326, 7.6.4.6 Relative target port identifier format, 1st paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 405) No title assigned yet (Unprocessed) [1135]

PDF pg 372, pg 326, 7.6.4.6 Relative target port identifier format

This section title should be << Relative target port designator format >>

IBM 406) No title assigned yet (Unprocessed) [1136]

PDF pg 372, pg 326, 7.6.4.6 Relative target port identifier format, Table 305

This table title should be << Relative target port DESIGNATOR field format >>

IBM 407) No title assigned yet (Unprocessed) [1137]

PDF pg 372, pg 326, 7.6.4.6 Relative target port identifier format, 1st paragraph after table 305

This << identifies the SCSI target >> should be << specifies the SCSI target >>

IBM 408) No title assigned yet (Unprocessed) [1138]

PDF pg 372, pg 326, 7.6.4.6 Relative target port identifier format, Table 306

The title of this table should be << Relative target port values >>

IBM 409) No title assigned yet (Unprocessed) [1139]

PDF pg 373, pg 327, 7.6.4.7 Target port group identifier format, 1st paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 410) No title assigned yet (Unprocessed) [1140]  
PDF pg 373, pg 327, 7.6.4.7 Target port group identifier format

This section title should be << Target port group designator format >>

IBM 411) No title assigned yet (Unprocessed) [1141]  
PDF pg 373, pg 327, 7.6.4.7 Target port group identifier format, Table 307

This table title should be << Target port group DESIGNATOR field format >>

IBM 412) No title assigned yet (Unprocessed) [1142]  
PDF pg 373, pg 327, 7.6.4.7 Target port group identifier format, 1st paragraph after table 307

This << field contains the identifier for the target port group >> should be << field specifics the target port group >>

IBM 413) No title assigned yet (Unprocessed) [1143]  
PDF pg 373, pg 327, 7.6.4.8 Logical unit group identifier format

This section title should be << Logical unit group designator format >>

IBM 414) No title assigned yet (Unprocessed) [1144]  
PDF pg 373, pg 327, 7.6.4.8 Logical unit group identifier format, 2nd paragraph in 4 places

This << identifier >> should be <<designator >>

IBM 415) No title assigned yet (Unprocessed) [1145]  
PDF pg 373, pg 327, 7.6.4.8 Logical unit group identifier format, Table 308

This table title should be << Logical unit group DESIGNATOR field format >>

IBM 416) No title assigned yet (Unprocessed) [1146]  
PDF pg 373, pg 327, 7.6.4.8 Logical unit group identifier format, 1st paragraph after table 308

This << field contains the identifier for the logical unit group >> should be << field specifies the logical unit group >>

IBM 417) No title assigned yet (Unprocessed) [1147]  
PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

IBM 418) No title assigned yet (Unprocessed) [1148]  
PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format

This section title should be << MD5 logical unit identifier designator format >>

IBM 419) No title assigned yet (Unprocessed) [1149]  
PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

IBM 420) No title assigned yet (Unprocessed) [1150]  
PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

IBM 421) No title assigned yet (Unprocessed) [1151]  
PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

IBM 422) No title assigned yet (Unprocessed) [1152]  
PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

IBM 423) No title assigned yet (Unprocessed) [1153]  
PDF pg 374, pg 328, 7.6.4.9 MD5 logical unit identifier format, 2nd paragraph

This << identifier >> should be <<designator >>

IBM 424) No title assigned yet (Unprocessed) [1154]  
PDF pg 374, pg 328, 7.6.4.9 MD5 logical unit identifier format, Table 309

This table title should be << MD5 logical unit identifier DESIGNATOR field format >>

IBM 425) No title assigned yet (Unprocessed) [1155]  
PDF pg 374, pg 328, 7.6.4.9 MD5 logical unit identifier format, item 4

This << The contents of a vendor specific IDENTIFIER field (type 0h) from >> should be << The contents of a vendor specific DESIGNATOR field (type 0h) from >>

IBM 426) No title assigned yet (Unprocessed) [1156]  
PDF pg 374, pg 328, 7.6.4.9 MD5 logical unit identifier format, item 5

This << The contents of a T10 vendor identification IDENTIFIER field (type >> should be << The contents of a T10 vendor identification DESIGNATOR field (type >>

IBM 427) No title assigned yet (Unprocessed) [1157]  
PDF pg 374, pg 328, 7.6.4.9 MD5 logical unit identifier format, table 310

This << vendor specific IDENTIFIER field >> should be << vendor specific DESIGNATOR field >>

IBM 428) No title assigned yet (Unprocessed) [1158]  
PDF pg 375, pg 329, 7.6.4.9 MD5 logical unit identifier format, Last paragraph

This << described in RFC 1321 will produce the value 2BE1 >> should be << described in RFC 1321 produces the value 2BE1 >>

IBM 429) No title assigned yet (Unprocessed) [1159]  
PDF pg 375, pg 329, 7.6.4.10 SCSI name string identifier format

This section title should be << SCSI name string designator format >>

IBM 430) No title assigned yet (Unprocessed) [1160]  
PDF pg 375, pg 329, 7.6.4.10 SCSI name string identifier format, 1st paragraph in 2 places

This << identifier >> should be <<designator >>

IBM 431) No title assigned yet (Unprocessed) [1161]  
PDF pg 375, pg 329, 7.6.4.10 SCSI name string identifier format, Table 312

This table title should be << SCSI name string DESIGNATOR field format >>

IBM 432) No title assigned yet (Unprocessed) [1162]  
PDF pg 375, pg 329, 7.6.4.10 SCSI name string identifier format, 1st paragraph after table 312

This << value in the IDENTIFIER LENGTH field) >> should be << value in the DESIGNATOR LENGTH field)

IBM 433) No title assigned yet (Unprocessed) [1163]  
PDF pg 376, pg 330, 7.6.4.11 Device identification descriptor requirements

This section title should be << Device designation descriptor requirements >>

IBM 434) No title assigned yet (Unprocessed) [1164]  
PDF pg 376, pg 330, 7.6.4.11.1 Identification descriptors for SCSI target devices, 1st paragraph in 2 places

This << identification descriptors >> should be << designation descriptors >>

IBM 435) No title assigned yet (Unprocessed) [1165]  
PDF pg 376, pg 330, 7.6.4.11.1 Identification descriptors for SCSI target devices

This section title should be << Designation descriptors for SCSI target devices

IBM 436) No title assigned yet (Unprocessed) [1166]  
PDF pg 376, pg 330, 7.6.4.11.1 Identification descriptors for SCSI target devices, 1st paragraph

This << identifier >> should be <<designator >>

IBM 437) No title assigned yet (Unprocessed) [1167]  
PDF pg 376, pg 330, 7.6.4.11.1 Identification descriptors for SCSI target devices, last paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 438) No title assigned yet (Unprocessed) [1168]  
PDF pg 376, pg 330, 7.6.4.11.2 Identification descriptors for SCSI target ports

This section title should be << Designation descriptors for SCSI target ports

IBM 439) No title assigned yet (Unprocessed) [1169]  
PDF pg 376, pg 330, 7.6.4.11.2 Identification descriptors for SCSI target ports, 1st paragraph in 2 places

This << identification descriptors >> should be << designation descriptors >>

IBM 440) No title assigned yet (Unprocessed) [1170]  
PDF pg 376, pg 330, 7.6.4.11.2 Identification descriptors for SCSI target ports, 1st paragraph

This << identifier >> should be <<designator >>

IBM 441) No title assigned yet (Unprocessed) [1171]  
PDF pg 376, pg 330, 7.6.4.11.2 Identification descriptors for SCSI target ports, 2nd paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 442) No title assigned yet (Unprocessed) [1172]  
PDF pg 376, pg 330, 7.6.4.11.2 Identification descriptors for SCSI target ports, 2nd paragraph

This << identifier >> should be <<designator >>

IBM 443) No title assigned yet (Unprocessed) [1173]  
PDF pg 376, pg 330, 7.6.4.11.2 Identification descriptors for SCSI target ports, last paragraph in 2 places

This << identification descriptors >> should be << designation descriptors >>

IBM 444) No title assigned yet (Unprocessed) [1174]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units

This section title should be << Designation descriptors for logical units

IBM 445) No title assigned yet (Unprocessed) [1175]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units, 1st paragraph in 2 places

This << identification descriptors >> should be << designation descriptors >>

IBM 446) No title assigned yet (Unprocessed) [1176]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units, 1st paragraph

This << identifier >> should be <<designator >>

IBM 447) No title assigned yet (Unprocessed) [1177]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units, 2nd paragraph

This << identifier >> should be <<designator >>

IBM 448) No title assigned yet (Unprocessed) [1178]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units, 2nd paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 449) No title assigned yet (Unprocessed) [1179]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units, 3rd paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 450) No title assigned yet (Unprocessed) [1180]  
PDF pg 376, pg 330, 7.6.4.11.3 Identification descriptors for logical units, 3rd paragraph

This << identifier >> should be <<designator >>

IBM 451) No title assigned yet (Unprocessed) [1181]  
PDF pg 377, pg 331, 7.6.4.11.3 Identification descriptors for logical units, 4th paragraph

This << identifier >> should be <<designator >>

IBM 452) No title assigned yet (Unprocessed) [1182]  
PDF pg 377, pg 331, 7.6.4.11.3 Identification descriptors for logical units, 4th paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 453) No title assigned yet (Unprocessed) [1183]  
PDF pg 377, pg 331, 7.6.4.11.3 Identification descriptors for logical units, 2nd to last paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 454) No title assigned yet (Unprocessed) [1184]  
PDF pg 377, pg 331, 7.6.4.11.3 Identification descriptors for logical units, last paragraph in 2 places

This << identification descriptors >> should be << designation descriptors >>

IBM 455) No title assigned yet (Unprocessed) [1185]  
PDF pg 377, pg 331, 7.6.4.11.4 Identification descriptors for well known logical units

This section title should be << Designation descriptors for well known logical units

IBM 456) No title assigned yet (Unprocessed) [1186]  
PDF pg 377, pg 331, 7.6.4.11.4 Identification descriptors for well known logical units, 1st paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 457) No title assigned yet (Unprocessed) [1187]  
PDF pg 377, pg 331, 7.6.4.11.4 Identification descriptors for well known logical units, 2nd paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 458) No title assigned yet (Unprocessed) [1188]  
PDF pg 377, pg 331, 7.6.4.11.4 Identification descriptors for well known logical units, last paragraph in 2 places

This << identification descriptors >> should be << designation descriptors >>

IBM 459) No title assigned yet (Unprocessed) [1189]  
PDF pg 378, pg 332, 7.6.5 Extended INQUIRY Data VPD page

It is not clear fro the description of the group\_sup bit if set one indication support for target port grouping or logical unit grouping or both. This needs to be fixed.

IBM 460) No title assigned yet (Unprocessed) [1190]  
The author marked this comment as technical.  
PDF pg 378, pg 332, 7.6.5 Extended INQUIRY Data VPD page

For the headsup, ordsup, and simpup bits the set to zero case in the not supported case. How is it possible that the normal default case (i.e., set to zero) that would indicate past standards behavior is the set to one case. This goes against backward compatibility. The polarity of all these bits should be changed.

IBM 461) No title assigned yet (Unprocessed) [1191]  
PDF pg 382, pg 336, 7.6.8 SCSI Ports page, 1st paragraph

This << identification descriptors >> should be << designation descriptors >>

IBM 462) No title assigned yet (Unprocessed) [1192]  
PDF pg 382, pg 336, 7.6.8 SCSI Ports page, table 320 in three places

This << identification descriptors >> should be << designation descriptors >>

IBM 463) No title assigned yet (Unprocessed) [1193]  
PDF pg 382, pg 336, 7.6.8 SCSI Ports page, 2nd paragraph after table 320

This << identification descriptors >> should be << designation descriptors >>

IBM 464) No title assigned yet (Unprocessed) [1194]  
PDF pg 382, pg 336, 7.6.8 SCSI Ports page, 4th paragraph after table 320

This << identification descriptors >> should be << designation descriptors >>

IBM 465) No title assigned yet (Unprocessed) [1195]  
PDF pg 383, pg 337, 7.6.8 SCSI Ports page, 5th paragraph after table 320

This << identification descriptors >> should be << designation descriptors >>

IBM 466) No title assigned yet (Unprocessed) [1196]  
PDF pg 383, pg 337, 7.6.8 SCSI Ports page, 5th paragraph after table 320

This << identification descriptors >> should be << designation descriptors >>

IBM 467) No title assigned yet (Unprocessed) [1197]  
PDF pg 383, pg 337, 7.6.8 SCSI Ports page, Table 321

The title of this table should be << SCSI port designation descriptor >>

IBM 468) No title assigned yet (Unprocessed) [1198]  
PDF pg 383, pg 337, 7.6.8 SCSI Ports page, Table 322

The title of this table should be << Relative port values >>

IBM 469) No title assigned yet (Unprocessed) [1199]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, table 323

This << IDENTIFIER TYPE >> should be << DESIGNATOR TYPE >>

IBM 470) No title assigned yet (Unprocessed) [1200]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, table 323 in two places

This << IDENTIFIER >> should be << DESIGNATOR >>.

IBM 471) No title assigned yet (Unprocessed) [1201]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 1st paragraph after table 323

This << identification descriptor >> should be << designation descriptor >>



IBM 472) No title assigned yet (Unprocessed) [1202]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << IDENTIFIER >> should be << DESIGNATOR >>.

IBM 473) No title assigned yet (Unprocessed) [1203]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << IDENTIFIER >> should be << DESIGNATOR >>.

IBM 474) No title assigned yet (Unprocessed) [1204]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << IDENTIFIER >> should be << DESIGNATOR >>.

IBM 475) No title assigned yet (Unprocessed) [1205]  
PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << identification descriptor >> should be << designation descriptor >>

IBM 476) No title assigned yet (Unprocessed) [1206]  
PDF pg 388, pg 342, 8.3.1.2 Access controls overview

All the access controls sections (8.3.1.2 through 8.3.3.12) should be moved to a new section after the well known logical units section and before annex A.

IBM 477) No title assigned yet (Unprocessed) [1207]  
PDF pg 394, pg 348, 8.3.1.5.1.2 Not-enrolled state, item a) last a.b.c list

This << Honor the recommendation (results in the minimum effects on SCSI initiator devices and requires no extra actions on the part of the access controls coordinator); >> should be << Honor the recommendation which results in the minimum effects on SCSI initiator devices and requires no extra actions on the part of the access controls coordinator; >>

IBM 478) No title assigned yet (Unprocessed) [1208]  
PDF pg 394, pg 348, 8.3.1.5.1.2 Not-enrolled state, item b) last a.b.c list

This << Ignore the recommendation and always place initiator ports in the non-enrolled state (results in the maximum disruption for SCSI initiator devices, but requires no extra resources on the part of the access controls coordinator); >> should be << Ignore the recommendation and always place initiator ports in the non-enrolled state which results in the maximum disruption for SCSI initiator devices, but requires no extra resources on the part of the access controls coordinator; >>

IBM 479) No title assigned yet (Unprocessed) [1209]  
PDF pg 398, pg 352, 8.3.1.7 Verifying access rights, item b) in last a,b,c list

This << If the initiator port (in any enrollment state) has a TransportID >> should be << If the initiator port, in any enrollment state, has a TransportID >>

IBM 480) No title assigned yet (Unprocessed) [1210]  
PDF pg 398, pg 352, 8.3.1.7 Verifying access rights, item c) in last a,b,c list

This << If the initiator port (in any enrollment state) has access to any >> should be << If the initiator port, in any enrollment state, has access to any >>

IBM 481) No title assigned yet (Unprocessed) [1211]

PDF pg 399, pg 353, 8.3.1.8.2.2 The override lockout timer, 3rd from the last

This << sufficient duration (up to about 18 hours). >> should be << sufficient duration (i.e., up to about 18 hours). >>

IBM 482) No title assigned yet (Unprocessed) [1212]

PDF pg 402, pg 356, 8.3.1.12 Access controls information persistence and memory usage requirements, table 333

What does << VS >> stand for. There needs to be a note in this table with VS defined.

IBM 483) No title assigned yet (Unprocessed) [1213]

PDF pg 412, pg 366, 8.3.2.3.1 REPORT LU DESCRIPTORS introduction, 1st paragraph after table 347

This << GOOD status returning the twenty byte parameter list header >> should be << GOOD status returning the 20 byte parameter list header >>

IBM 484) No title assigned yet (Unprocessed) [1214]

PDF pg 415, pg 369, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format

Most of the changes in this section are required if the identifier to designator change is made to the VPD page 83h.

IBM 485) No title assigned yet (Unprocessed) [1215]

PDF pg 415, pg 369, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, table 350

This << EVPD IDENTIFICATION DESCRIPTOR LENGTH>> should be << EVPD DESIGNATION DESCRIPTOR LENGTH>>

IBM 486) No title assigned yet (Unprocessed) [1216]

PDF pg 415, pg 369, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, table 350

This << EVPD IDENTIFICATION DESCRIPTOR >> should be << EVPD DESIGNATION DESCRIPTOR >>

IBM 487) No title assigned yet (Unprocessed) [1217]

PDF pg 415, pg 369, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, 4th paragraph after table 350 in 2 places

This << IDENTIFICATION >> should be << DESIGNATION >>

IBM 488) No title assigned yet (Unprocessed) [1218]

PDF pg 416, pg 370, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, 6th paragraph after table 350

This << IDENTIFICATION >> should be << DESIGNATION >>

IBM 489) No title assigned yet (Unprocessed) [1219]

PDF pg 416, pg 370, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, 6th paragraph after table 350

This << identification >> should be << designation >>

IBM 490) No title assigned yet (Unprocessed) [1220]

PDF pg 416, pg 370, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, item a) 1st a,b,c list after table 350 in 5 places

This << identification >> should be << designation >>

IBM 491) No title assigned yet (Unprocessed) [1221]

PDF pg 416, pg 370, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, item b) 1st a,b,c list after table 350 in 4 places

This << identification >> should be << designation >>

IBM 492) No title assigned yet (Unprocessed) [1222]

PDF pg 416, pg 370, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, 1st paragraph after 1st a,b,c list in 3 places

This << identification >> should be << designation >>

IBM 493) No title assigned yet (Unprocessed) [1223]

PDF pg 416, pg 370, 8.3.2.3.2 REPORT LU DESCRIPTORS parameter data format, Last paragraph

This << contain the same data that would have been returned by a successful READ CAPACITY command with LONGLBA bit set >> should be << contain data equivalent to that returned by a successful READ CAPACITY command with LONGLBA bit set >>

IBM 494) No title assigned yet (Unprocessed) [1224]

PDF pg 425, pg 379, 8.3.3.1 ACCESS CONTROL OUT introduction, 1st paragraph

This << command (see Table 25) are >> should be << command (see table 25) are >> but more important this is the wrong table reference and is not linked to any table.

IBM 495) No title assigned yet (Unprocessed) [1225]

PDF pg 430, pg 384, 8.3.3.2.2 The Grant/Revoke ACE page, Note 77

This << default LUN values to logical units (and the DLgeneration value for that association) prior to issuing this service action. >> should be << default LUN values to logical units and the DLgeneration value for that association prior to issuing this service action. >>

IBM 496) No title assigned yet (Unprocessed) [1226]

PDF pg 431, pg 385, 8.3.3.2.2 The Grant/Revoke ACE page, table 368

This << Take no action; this shall not be considered an error. >> should be << Take no action. This shall not be considered an error. >>

IBM 497) No title assigned yet (Unprocessed) [1227]

PDF pg 434, pg 388, 8.3.3.2.5 The Revoke All Proxy Tokens ACE page, item g

This << Clear the access controls log (including resetting counters to zero) with the exception >> should be << Clear the access controls log, including resetting counters to zero, with the exception >>

IBM 498) No title assigned yet (Unprocessed) [1228]

PDF pg 435, pg 389, 8.3.3.4 ACCESS ID ENROLL service action, 5th paragraph after table 373

This << enrolling the initiator port would create an ACL LUN conflict >> should be << enrolling the initiator port results in an ACL LUN conflict >>

IBM 499) No title assigned yet (Unprocessed) [1229]

PDF pg 445, pg 399, B.2 Replacing the reserve/release method with the PERSISTENT RESERVE OUT COMMAND, 1st paragraph

This << method (see SPC-2) is shown in table B.1. >> should be << method (see SPC-2) are shown in table B.1. >>

IBM 500) No title assigned yet (Unprocessed) [1230]

PDF pg 448, pg 402, C.3 LOG SENSE command, table c.1

This << bits to see what 'allowed' means. >> should be << bits to see what allowed means. >>

IBM 501) No title assigned yet (Unprocessed) [1231]

PDF pg 480, pg 434, D.3.5 SERVICE ACTION IN and SERVICE ACTION OUT service actions, 1st paragraph after table D.6

This << standard is shown in table D.6. >> should be << standard is shown in table D.7. >>. This is a link to the wrong table.

IBM 502) No title assigned yet (Unprocessed) [1232]

PDF pg 484, pg 438, D.6 Mode Page Codes, table D.12

This << MMC-4 calls this page 'Fault/Failure Reporting Page', however, >> should be << MMC-4 calls this page the Fault/Failure Reporting Page, however, >>

## 6. Intel Corp.

Robert Sheffield from Intel Corp. submitted the following comments on a Yes vote.

Intel 1) No title assigned yet (Unprocessed) [1233]

The author marked this comment as technical.

PDF Page 364

identifier s/b designation

Throughout this section use of the word "identifier" leads to confusion with the SAM-3 use of the term, "SCSI identifier". Since nothing reported in the Device Identification VPD page represents a SCSI identifier, I suggest using a different term to describe the elements reported in the Device Identification VPD page. Perhaps "designation" is an appropriate term.

## **7. LSI Logic Corp.**

John Lohmeyer from LSI Logic Corp. submitted the following comments on a Yes vote.

LSI 1) No title assigned yet (Unprocessed) [1234]  
Annex E

In the first sentence of the first paragraph, delete 'SCSI'. This is the only place in SPC-3 where we still use the term 'SCSI vendor identifications'.

Elsewhere, we use 'T10 vendor identification' or just 'vendor identification'. We should normalized these usages to either 'T10 vendor identification' or 'vendor identification'.

## 8. Maxtor Corp.

Mark Evans from Maxtor Corp. submitted the following comments on a No vote.

**Note:** The page numbers in 04-327r1 are described as PDF page numbers. However, the page numbers are really the page numbers printed at the bottom of the page. Therefore, "PDF Page" has been changed to "Page" in this document.

Maxtor 1) No title assigned yet (Unprocessed) [1235]  
Page 2, Figure 1 - SCSI document relationships

This figure is different than its counterparts in SBC-2 and SAS. I think that only one format should be used in T10 documents, but I'm open for suggestions.

Maxtor 2) No title assigned yet (Unprocessed) [1236]  
Page 7, 3.1.5 active condition

Change to, "When a device server is capable of responding to all of its supported commands, including media access requests, and operations complete in the shortest time (see 5.9)."

Maxtor 3) No title assigned yet (Unprocessed) [1237]  
Page 8, 3.1.17 command descriptor block (CDB)

Change to, "The structure used to communicate commands from an application client to a device server (see 4.3)."

Maxtor 4) No title assigned yet (Unprocessed) [1238]  
Page 8, 3.1.23 data-in buffer

Change "identified" to "specified".

Maxtor 5) No title assigned yet (Unprocessed) [1239]  
Page 8, 3.1.24 data-out buffer

Change "identified" to "specified".

Maxtor 6) No title assigned yet (Unprocessed) [1240]  
Page 9, 3.1.x I\_T nexus

Add the definition for I\_T nexus from SAM-3, "A nexus between a SCSI initiator port and a SCSI target port (see SAM-3)."

Maxtor 7) No title assigned yet (Unprocessed) [1241]  
Page 9, 3.1.39 I\_T\_L nexus

Change to the definition in SAM-3, "A nexus between a SCSI initiator port, a SCSI target port, and a logical unit (see SAM-3)."

Maxtor 8) No title assigned yet (Unprocessed) [1242]  
Page 9, 3.1.42 idle condition

Change to, "When a device server is capable of responding to all of its supported commands including media access requests, but operations may take longer to complete than when in the active power condition (see 5.9)."

Maxtor 9) No title assigned yet (Unprocessed) [1243]  
Page 10, 3.1.y nexus

Add the definition for nexus from SAM-3, "A relationship between two SCSI devices, and the SCSI initiator port and SCSI target port objects within those SCSI devices (see SAM-3)."

Maxtor 10) No title assigned yet (Unprocessed) [1244]  
Page 10, 3.1.61 name

I think, "world wide identification" is supposed to be, "worldwide identifier". However, it might be better to replace this example with "world wide name" and "WWN" as those are used in this document, and WWID isn't.

Maxtor 11) No title assigned yet (Unprocessed) [1245]  
Page 11, 3.1.77 request for comment (RFC)

Capitalize "Engineering Task Force".

Maxtor 12) No title assigned yet (Unprocessed) [1246]  
Page 12, 3.1.99 standby condition

Change to, "When a device server is capable of accepting commands but not capable of processing media access commands (see 5.9)."

Maxtor 13) No title assigned yet (Unprocessed) [1247]  
Page 16, 3.4 Conventions, second paragraph

Change, "...all CDB lengths for that command.", to, "...all forms of that command regardless of CDB length."

Maxtor 14) No title assigned yet (Unprocessed) [1248]  
Page 17, 3.6.1 Notation for byte encoded character strings, first paragraph

Delete, "exactly".

Maxtor 15) No title assigned yet (Unprocessed) [1249]  
Page 17, 3.6.1 Notation for byte encoded character strings, first paragraph

Change, "...contain specific encoded character," to, "...contain specific encoded characters,".

Maxtor 16) No title assigned yet (Unprocessed) [1250]  
Page 17, 3.6.1 Notation for byte encoded character strings, first paragraph

Change "...to be encoded but are not themselves to encoded." to "...to be encoded but are not themselves to be encoded."

Maxtor 17) No title assigned yet (Unprocessed) [1251]  
Page 24, 4.3.3 The variable length CDB formats, first paragraph

Replace, "Operation code 7Fh heads a variable length CDB." with, "The first byte of a variable length CDB contains the operation code 7Fh."

Maxtor 18) No title assigned yet (Unprocessed) [1252]  
Page 24, 4.3.3 The variable length CDB formats, second paragraph

Delete the commas before and after the phrase, "with the sense key set to ILLEGAL REQUEST".



Maxtor 19) No title assigned yet (Unprocessed) [1253]  
Page 24, 4.3.3 The variable length CDB formats, second paragraph

Change "...indicates the number..." to "...specifies the number...".

Maxtor 20) No title assigned yet (Unprocessed) [1254]  
Page 24, 4.3.3 The variable length CDB formats, third paragraph

Change "...indicates the action..." to "...specifies the action...".

Maxtor 21) No title assigned yet (Unprocessed) [1255]  
Page 26, Table 10 - Group Code values

Change, "The format the commands using...", to, "The format of the commands using...".

Maxtor 22) No title assigned yet (Unprocessed) [1256]  
Page 26, 4.3.4.4 Transfer length, second paragraph

Change "...indicates the number of blocks..." to "...specifies the number of blocks...".

Maxtor 23) No title assigned yet (Unprocessed) [1257]  
Page 27, 4.3.4.4 Transfer length, third paragraph

Change "indicates" to "specifies" in two places.

Maxtor 24) No title assigned yet (Unprocessed) [1258]  
Page 27, 4.3.4.5 Parameter list length

Change "indicates" to "specifies".

Maxtor 25) No title assigned yet (Unprocessed) [1259]  
Page 27, 4.3.4.6 Allocation length, first paragraph

Change "indicates" to "specifies".

Maxtor 26) No title assigned yet (Unprocessed) [1260]  
Page 27, 4.3.4.6 Allocation length, second paragraph

Delete, "specifically".

Maxtor 27) No title assigned yet (Unprocessed) [1261]  
Page 27, 4.3.4.7 Control

Change, "The CONTROL field has a consistently defined meaning across all commands.", to, "The CONTROL field has the same definition for all commands."

Maxtor 28) No title assigned yet (Unprocessed) [1262]  
Page 28, 4.4.2 Null data field termination and zero padding requirements, second paragraph

Change the first sentence to be three sentences: "A data field may be specified to be a fixed length. The length specified for a data field may be greater than the length required to contain the contents of the field. A data field may be specified to have a length that is a multiple of a given value (e.g., a multiple of four bytes)."

Maxtor 29) No title assigned yet (Unprocessed) [1263]  
Page 28, 4.5.1 Sense data introduction

Change, "...either fixed or descriptor format sense data format...", to, "...either fixed format sense data or descriptor format sense data...", or to, "...either fixed sense data format or descriptor sense data format..." depending on what they are to be called.

Maxtor 30) No title assigned yet (Unprocessed) [1264]  
Page 28, 4.5 Sense data, several places

Is it, "fixed format sense data", or is it, "fixed sense data format"? I think it's the second. One way or the other, the usage should be consistent. This goes for "descriptor sense data format", as well.

Maxtor 31) No title assigned yet (Unprocessed) [1265]  
Page 37, 4.5.3 Fixed format sense data, second paragraph, first sentence

Does this mean, "A VALID bit set to zero indicates that the content of the INFORMATION field is vendor specific (see 3.1.114)."? If so, that's what should be said.

Maxtor 32) No title assigned yet (Unprocessed) [1266]  
Page 37, 4.5.3 Fixed format sense data, fourth paragraph

Demote "The obsolete byte 1 contained information used by the COPY command." to be a note.

Maxtor 33) No title assigned yet (Unprocessed) [1267]  
Page 57, 5.4 Parameter rounding, third paragraph

Delete "explicitly".

Maxtor 34) No title assigned yet (Unprocessed) [1268]  
Page 58, 5.5.3.1 Foreground mode, fourth paragraph

Change the last sentence to, "If a SEND DIAGNOSTIC command that requested a self-test in the foreground mode is terminated while the SCSI target device is performing the self-test, the device server shall abort the self-test and update the Self-Test Results log page (see 7.2.10)."

Maxtor 35) No title assigned yet (Unprocessed) [1269]  
Page 60, Table 30 - Self-test mode summary

Change column 3 row 2 to be, "One of the commands or task management functions that cause tasks to be aborted (see 5.5.3.1)."

Maxtor 36) No title assigned yet (Unprocessed) [1270]  
Page 62, 5.6.1 Persistent Reservations overview, paragraph twenty

Change, "...the descriptions each specific command.", to, "...the descriptions of each specific command."

Maxtor 37) No title assigned yet (Unprocessed) [1271]  
Page 73, 5.6.9 Persistent reservation holder, fifth paragraph

Delete "automatically" in two places.

Maxtor 38) No title assigned yet (Unprocessed) [1272]  
Page 81

Delete "need to".

Maxtor 39) No title assigned yet (Unprocessed) [1273]  
Page 89, 5.9.2.x.y

Make all of the "Head4's" bold in this clause.

Maxtor 40) No title assigned yet (Unprocessed) [1274]  
Page 98, 6.2.3 Alias designation validation, fourth paragraph

Change "declared" to "considered".

Maxtor 41) No title assigned yet (Unprocessed) [1275]  
Page 99, 6.2.4.2 NULL DESIGNATION alias format, after the clause

I'm still trying to decipher the editor's algorithm used to determine which commands are started at the top of the following page regardless of available space on the previous page.

Maxtor 42) No title assigned yet (Unprocessed) [1276]  
Page 100, 6.3.1 EXTENDED COPY command introduction, second paragraph

Delete "independently".

Maxtor 43) No title assigned yet (Unprocessed) [1277]  
Page 100, 6.3.1 EXTENDED COPY command introduction, second paragraph

Change the second sentence to, "These actions may include sending media changer commands, sending MODE SELECT commands, sending reservation commands, loading of tapes, and positioning of tape."

Maxtor 44) No title assigned yet (Unprocessed) [1278]  
Page 100, 6.3.1 EXTENDED COPY command introduction, third paragraph

Change "indicates" to "specifies".

Maxtor 45) No title assigned yet (Unprocessed) [1279]  
Page 102, 6.3.1 EXTENDED COPY command introduction, seventh paragraph

Change "indicates" to "specifies" in two places.

Maxtor 46) No title assigned yet (Unprocessed) [1280]  
Page 102, 6.3.1 EXTENDED COPY command introduction, tenth paragraph

I think that the "source and/or the destination logical units" are the same as the "copy source and/or copy destination devices" as they are called in the introduction clause. If this is true, then the wording should be made consistent.

Maxtor 47) No title assigned yet (Unprocessed) [1281]  
Page 103, 6.3.2 Errors detected before starting processing of the segment descriptors, first paragraph

Change, "These conditions include...", to, "These errors include...".

Maxtor 48) No title assigned yet (Unprocessed) [1282]

Page 103, 6.3.3 Errors detected during processing of segment descriptors, first paragraph

Change, "These include...", to, "These errors include...".

Maxtor 49) No title assigned yet (Unprocessed) [1283]

Page 104, 6.3.3 Errors detected during processing of segment descriptors, a-b-c list, item c

Delete "solely".

Maxtor 50) No title assigned yet (Unprocessed) [1284]

Page 104, 6.3.3 Errors detected during processing of segment descriptors, a-b-c list, item c

Change, "...destination device, specifically commands completed by a destination device with GOOD status or with CHECK CONDITION status and the EOM bit set to one in the sense data.", to, "...destination copy device (i.e., commands completed by a destination device with GOOD status or with CHECK CONDITION status and the EOM bit set to one in the sense data)."

Maxtor 51) No title assigned yet (Unprocessed) [1285]

Page 104, 6.3.3 Errors detected during processing of segment descriptors, a-b-c list, item d

Change "source logical unit" to "copy source device" in three places.

Maxtor 52) No title assigned yet (Unprocessed) [1286]

Page 104, 6.3.3 Errors detected during processing of segment descriptors, a-b-c list, item e

Change "destination logical unit" to "copy destination device".

Maxtor 53) No title assigned yet (Unprocessed) [1287]

Page 109, 6.3.6.1 Target descriptors introduction, ninth paragraph

Change "indicates" to "specifies" in two places.

Maxtor 54) No title assigned yet (Unprocessed) [1288]

Page 110, 6.3.6.1 Target descriptors introduction, last paragraph

Does, "...the copy manager shall not issue any commands that change the position of read/write media on the copy target device without restoring it." actually mean, "...the copy manager shall not issue any commands that change the position of read/write media on the copy target device without returning the media to its original position."? One way or the other, change the sentence to say what it is supposed to mean.

Maxtor 55) No title assigned yet (Unprocessed) [1289]

Page 118, 6.3.7.3 Block device to stream device operations, third paragraph

Though it looks fine in the Frame file and where it occurs earlier in my pdf file, in this instance the arrowhead is superimposed on the "s" in "stream". I'm not sure if this is an issue with Frame or my Acrobat, but it would be good if it could be fixed. As this occurs in several other places following, I'll identify those only as "superimposed arrowhead" with a clause number to save space.

Maxtor 56) No title assigned yet (Unprocessed) [1290]

Page 118, 6.3.7.3

Superimposed arrowhead.

Maxtor 57) No title assigned yet (Unprocessed) [1291]  
Page 118, 6.3.7.3

Superimposed arrowhead.

Maxtor 58) No title assigned yet (Unprocessed) [1292]  
Page 119, 6.3.7.4

Superimposed arrowhead.

Maxtor 59) No title assigned yet (Unprocessed) [1293]  
Page 119, 6.3.7.4

Superimposed arrowhead.

Maxtor 60) No title assigned yet (Unprocessed) [1294]  
Page 120, 6.3.7.5

Superimposed arrowhead.

Maxtor 61) No title assigned yet (Unprocessed) [1295]  
Page 120, 6.3.7.5

Superimposed arrowhead.

Maxtor 62) No title assigned yet (Unprocessed) [1296]  
Page 120, 6.3.7.5

Superimposed arrowhead.

Maxtor 63) No title assigned yet (Unprocessed) [1297]  
Page 121, 6.3.7.5 Block device to block device operations, seventh paragraph

Change "indicates" to "specifies" in three places.

Maxtor 64) No title assigned yet (Unprocessed) [1298]  
Page 121, 6.3.7.5 Block device to block device operations, seventh paragraph

Change "indicates" to "specifies" in two places.

Maxtor 65) No title assigned yet (Unprocessed) [1299]  
Page 122, 6.3.7.6

Superimposed arrowhead.

Maxtor 66) No title assigned yet (Unprocessed) [1300]  
Page 122, 6.3.7.6

Superimposed arrowhead.

Maxtor 67) No title assigned yet (Unprocessed) [1301]  
Page 122, 6.3.7.6

Superimposed arrowhead.

Maxtor 68) No title assigned yet (Unprocessed) [1302]  
Page 124, 6.3.7.7

Superimposed arrowhead.

Maxtor 69) No title assigned yet (Unprocessed) [1303]  
Page 125, 6.3.7.8

Superimposed arrowhead.

Maxtor 70) No title assigned yet (Unprocessed) [1304]  
Page 126, 6.3.7.9

Superimposed arrowhead.

Maxtor 71) No title assigned yet (Unprocessed) [1305]  
Page 126, 6.3.7.9

Superimposed arrowhead.

Maxtor 72) No title assigned yet (Unprocessed) [1306]  
Page 126, 6.3.7.9 Stream device to discard operation, third paragraph

Change "indicated" to "specified".

Maxtor 73) No title assigned yet (Unprocessed) [1307]  
Page 127, 6.3.7.9

Superimposed arrowhead.

Maxtor 74) No title assigned yet (Unprocessed) [1308]  
Page 127, 6.3.7.9

Superimposed arrowhead.

Maxtor 75) No title assigned yet (Unprocessed) [1309]  
Page 127, 6.3.7.9

Superimposed arrowhead.

Maxtor 76) No title assigned yet (Unprocessed) [1310]  
Page 128, 6.3.7.11

Superimposed arrowhead.

Maxtor 77) No title assigned yet (Unprocessed) [1311]  
Page 129, 6.3.7.12 Stream device to block device with offset operation, ninth paragraph

Change "is" to "specifies".

Maxtor 78) No title assigned yet (Unprocessed) [1312]  
Page 130, 6.3.7.13

Superimposed arrowhead.

Maxtor 79) No title assigned yet (Unprocessed) [1313]  
Page 131, 6.3.7.14

Superimposed arrowhead.

Maxtor 80) No title assigned yet (Unprocessed) [1314]  
Page 131, 6.3.7.13 Block device with offset to block device with offset operation, last paragraph

Change "is" to "specifies".

Maxtor 81) No title assigned yet (Unprocessed) [1315]  
Page 132, 6.3.7.15

Superimposed arrowhead.

Maxtor 82) No title assigned yet (Unprocessed) [1316]  
Page 133, 6.3.7.16

Superimposed arrowhead.

Maxtor 83) No title assigned yet (Unprocessed) [1317]  
Page 134, 6.3.7.17

Superimposed arrowhead.

Maxtor 84) No title assigned yet (Unprocessed) [1318]  
Page 134, 6.3.7.17 Tape device image copy operation, fifth paragraph

Change "indicates" to "specifies".

Maxtor 85) No title assigned yet (Unprocessed) [1319]  
Page 142, 6.4.2 Standard INQUIRY data, eighth paragraph

Change "specified" to "defined".

Maxtor 86) No title assigned yet (Unprocessed) [1320]  
Page 142, 6.4.2 Standard INQUIRY data, ninth paragraph

Change "shall specify" to "indicates".

Maxtor 87) No title assigned yet (Unprocessed) [1321]  
Page 142, 6.4.2 Standard INQUIRY data, ninth paragraph, second sentence

Change to, "If the allocation length specified in the CDB is too small to transfer all of the parameters, the content of the ADDITIONAL LENGTH field shall not be adjusted to reflect the truncation."

Maxtor 88) No title assigned yet (Unprocessed) [1322]  
Page 142, 6.4.2 Standard INQUIRY data, tenth paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 89) No title assigned yet (Unprocessed) [1323]  
Page 142, 6.4.2 Standard INQUIRY data, eleventh paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 90) No title assigned yet (Unprocessed) [1324]  
Page 142, 6.4.2 Standard INQUIRY data, thirteenth paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 91) No title assigned yet (Unprocessed) [1325]  
Page 142, 6.4.2 Standard INQUIRY data, sixteenth paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 92) No title assigned yet (Unprocessed) [1326]  
Page 143, 6.4.2 Standard INQUIRY data, seventeenth paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 93) No title assigned yet (Unprocessed) [1327]  
Page 143, 6.4.2 Standard INQUIRY data, eighteenth paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 94) No title assigned yet (Unprocessed) [1328]  
Page 144, 6.4.2 Standard INQUIRY data, twenty-fourth paragraph

Change "device" to "SCSI target device".

Maxtor 95) No title assigned yet (Unprocessed) [1329]  
Page 150

Change "...the SCSI Parallel Interface." to, "...by SCSI target devices implementing the SCSI Parallel Interface."

Maxtor 96) No title assigned yet (Unprocessed) [1330]  
Page 150

Change "device" to "SCSI target device".

Maxtor 97) No title assigned yet (Unprocessed) [1331]  
Page 150

Change "device" to "SCSI target device".

Maxtor 98) No title assigned yet (Unprocessed) [1332]  
Page 150

Change "device" to "SCSI target device".

Maxtor 99) No title assigned yet (Unprocessed) [1333]  
Page 151, Table 88 - CLOCKING field

Three places in this table: I think that "device server" should be replaced by "SCSI target port".



Maxtor 100) No title assigned yet (Unprocessed) [1334]  
Page 151

Again, I don't think that the "device server" has much to do with QAS. Change to "SCSI target port" in two places.

Maxtor 101) No title assigned yet (Unprocessed) [1335]  
Page 151

Also, I don't think that the "device server" has much to do with IUs. Change to "SCSI target port" in two places.

Maxtor 102) No title assigned yet (Unprocessed) [1336]  
Page 153, 6.5 LOG SELECT command, first paragraph

Change "device" to "SCSI target device" in two places.

Maxtor 103) No title assigned yet (Unprocessed) [1337]  
Page 153, 6.5 LOG SELECT command, third paragraph

Change "indicates" to "specifies".

Maxtor 104) No title assigned yet (Unprocessed) [1338]  
Page 154, 6.5 LOG SELECT command, sixth paragraph

Change "defines" to "specifies".

Maxtor 105) No title assigned yet (Unprocessed) [1339]  
Page 155, 6.6 LOG SENSE command, first paragraph

Change "device" to "SCSI target device".

Maxtor 106) No title assigned yet (Unprocessed) [1340]  
Page 155, 6.6 LOG SENSE command, first a-b-c list, item a

Change "indicates" to "specifies".

Maxtor 107) No title assigned yet (Unprocessed) [1341]  
Page 155, 6.6 LOG SENSE command, first a-b-c list, item b

Change "indicates" to "specifies".

Maxtor 108) No title assigned yet (Unprocessed) [1342]  
Page 156, 6.6 LOG SENSE command, fourth paragraph

Change "indicates" to "specifies" in two places.

Maxtor 109) No title assigned yet (Unprocessed) [1343]  
Page 156, 6.6 LOG SENSE command, sixth paragraph

Change "identifies" to "specifies".

Maxtor 110) No title assigned yet (Unprocessed) [1344]  
Page 156, 6.6 LOG SENSE command, fifth paragraph

Change "defines" to "specifies".

Maxtor 111) No title assigned yet (Unprocessed) [1345]  
Page 157, 6.7 MODE SELECT(6) command, sixth paragraph

Change "indicates" to "specifies" in two places.

Maxtor 112) No title assigned yet (Unprocessed) [1346]  
Page 157, 6.7 MODE SELECT(6) command, sixth paragraph

Change "specified" to "defined".

Maxtor 113) No title assigned yet (Unprocessed) [1347]  
Page 158, 6.7 MODE SELECT(6) command, seventh paragraph

Change "indicates" to "specifies that".

Maxtor 114) No title assigned yet (Unprocessed) [1348]  
Page 158, 6.7 MODE SELECT(6) command, seventh paragraph

Change "indicates" to "specifies".

Maxtor 115) No title assigned yet (Unprocessed) [1349]  
Page 158, 6.7 MODE SELECT(6) command, seventh paragraph

Change "identified" to "specified".

Maxtor 116) No title assigned yet (Unprocessed) [1350]  
Page 158, 6.7 MODE SELECT(6) command, tenth paragraph

Change "uniquely" to "unique".

Maxtor 117) No title assigned yet (Unprocessed) [1351]  
Page 159, 6.9.1 MODE SENSE(6) command introduction, second paragraph

Move this paragraph below table 95, and change "indicates" to "specifies".

Maxtor 118) No title assigned yet (Unprocessed) [1352]  
Page 160, 6.9.1 MODE SENSE(6) command introduction, third paragraph

Change "defines" to "specifies".

Maxtor 119) No title assigned yet (Unprocessed) [1353]  
Page 160, 6.9.1 MODE SENSE(6) command introduction, fifth paragraph

Change "SCSI devices" to "SCSI target devices".

Maxtor 120) No title assigned yet (Unprocessed) [1354]  
Page 160, 6.9.1 MODE SENSE(6) command introduction, fourth paragraph

I don't understand what this paragraph is trying to convey starting at, "...however the PS bit, PAGE CODE and PAGE LENGTH fields should return current values [of what?] since they have no meaning when used with other types [of what?]. The mode parameter header and mode parameter block descriptor should return current values [like the length of the current parameter even when a default value is specified that may have a different length???]."

Maxtor 121) No title assigned yet (Unprocessed) [1355]

Page 161, 6.9.1 MODE SENSE(6) command introduction, ninth and tenth paragraphs

Make these two paragraphs be one paragraph that reads as follows, "If an application client requests all supported mode pages, then the device server shall return the supported pages in ascending order beginning with mode page 01h. If mode page 00h is implemented, then the device server shall return this mode page after all other mode pages have been returned." Then move this new paragraph up one paragraph above the paragraph beginning, "If the mode parameter list...".

Maxtor 122) No title assigned yet (Unprocessed) [1356]

Page 162, 6.9.3 Changeable values, first paragraph, second sentence

Change this sentence to, "In the mask, the bits in the fields of the mode parameters that are changeable shall all be set to one, and the bits in the fields of the mode parameters that are non-changeable (i.e., defined by the logical unit) shall be all be set to zero."

Maxtor 123) No title assigned yet (Unprocessed) [1357]

Page 164, 6.11.1 PERSISTENT RESERVE IN command introduction, second paragraph

Change "...in the CDB indicates..." to "...specifies...".

Maxtor 124) No title assigned yet (Unprocessed) [1358]

Page 168, 6.11.4 REPORT CAPABILITIES service action, fourth paragraph

Starting at this point it appears that the order of bit name and acronym are reversed throughout the description of the PERSISTENT RESERVE commands from what they are in the rest of the draft (e.g., "A CRH (Compatible Reservation Handling) bit" versus "A Compatible Reservation Handling (CRH) bit." Should these be made consistent?

Maxtor 125) No title assigned yet (Unprocessed) [1359]

Page 186, Table 126 - READ BUFFER header

The "(MSB)" and "(LSB)" are missing.

Maxtor 126) No title assigned yet (Unprocessed) [1360]

Page 186, 6.15.4 Data mode (02h), first paragraph

Change "identifies a specific buffer" to "specifies a buffer".

Maxtor 127) No title assigned yet (Unprocessed) [1361]

Page 187, 6.15.6 Read Data from echo buffer, clause title

Change to "Echo buffer mode (0Ah)".

Maxtor 128) No title assigned yet (Unprocessed) [1362]

Page 187, 6.15.6 Read Data from echo buffer

Change as follows to be the first two paragraphs in this clause:

In this mode the device server transfers data to the application client from the echo buffer that was written by the most recent WRITE BUFFER command with the mode set to echo buffer received on the same I\_T nexus.

The BUFFER ID and BUFFER OFFSET fields are ignored in this mode. The device server transfers the same number of bytes of data as received in the most recent WRITE BUFFER command with the mode set to echo buffer received on the same I\_T nexus limited by the allocation length as described in 4.3.4.6.

Maxtor 129) No title assigned yet (Unprocessed) [1363]  
Page 187, 6.15.6 Read Data from echo buffer

Change as follows to be the third paragraph in this clause:

If a WRITE BUFFER command with the mode set to echo buffer has not been received on this I\_T nexus or no WRITE BUFFER command with the mode set to echo buffer received on this I\_T nexus has been completed without error, then the device server shall terminate the READ BUFFER command with CHECK CONDITION status, with the sense key set to ILLEGAL REQUEST, and the additional sense code set to COMMAND SEQUENCE ERROR. If the data in the echo buffer has been overwritten by a WRITE BUFFER command for another I\_T nexus, then the device server shall terminate the READ BUFFER command with CHECK CONDITION status, with the sense key set to ABORTED COMMAND, and the additional sense code set to ECHO BUFFER OVERWRITTEN.

Maxtor 130) No title assigned yet (Unprocessed) [1364]  
Page 188, 6.15.6 Read Data from echo buffer, third paragraph

I think what is supposed to be conveyed here is something like: "A READ BUFFER command with the mode set to echo buffer descriptor may be used to determine the buffer capacity before a WRITE BUFFER command with the mode set to echo buffer is completed, and shall not be terminated with CHECK CONDITION status, with the sense key set to ABORTED COMMAND, and the additional sense code set to ECHO BUFFER OVERWRITTEN." Regardless, this concept belongs in the next clause about the echo buffer descriptor mode.

Maxtor 131) No title assigned yet (Unprocessed) [1365]  
Page 188, 6.15.6 Read Data from echo buffer, fourth paragraph

Change to, "If a WRITE BUFFER command with the mode set to echo buffer is completed without error, then the application client may send multiple READ BUFFER commands with the mode set to echo buffer in order to read the echo buffer data multiple times.

Maxtor 132) No title assigned yet (Unprocessed) [1366]  
Page 191, 6.17.1 RECEIVE COPY RESULTS command introduction, third paragraph

Change "identifies" to "specifies".

Maxtor 133) No title assigned yet (Unprocessed) [1367]  
Page 191, 6.17.1 RECEIVE COPY RESULTS command introduction, fourth paragraph

Change "identifies the" to "specifies an".

Maxtor 134) No title assigned yet (Unprocessed) [1368]  
Page 192, 6.17.2 COPY STATUS service action, first paragraph

Change "identified" to "specified".

Maxtor 135) No title assigned yet (Unprocessed) [1369]  
Page 193, 6.17.2 COPY STATUS service action, sixth paragraph

Change "identified" to "specified".

Maxtor 136) No title assigned yet (Unprocessed) [1370]  
Page 193, 6.17.2 COPY STATUS service action, seventh paragraph

Change "identified" to "specified".

Maxtor 137) No title assigned yet (Unprocessed) [1371]  
Page 193, 6.17.2 COPY STATUS service action, ninth paragraph

Change "identified" to "specified".

Maxtor 138) No title assigned yet (Unprocessed) [1372]  
Page 194, 6.17.3 RECEIVE DATA service action, first paragraph

Change "require" to "requiring".

Maxtor 139) No title assigned yet (Unprocessed) [1373]  
Page 198, 6.17.5 FAILED SEGMENT DETAILS service action, first paragraph

Change "identified" to "specified".

Maxtor 140) No title assigned yet (Unprocessed) [1374]  
Page 200, 6.18 RECEIVE DIAGNOSTIC RESULTS command, a-b-c list, item b

Change "was" to "has".

Maxtor 141) No title assigned yet (Unprocessed) [1375]  
Page 201, 6.19 REPORT ALIASES command, third paragraph

Change "indicates" to "specifies".

Maxtor 142) No title assigned yet (Unprocessed) [1376]  
Page 202, 6.19 REPORT ALIASES command, sixth paragraph

Change "indicates" to "specifies".

Maxtor 143) No title assigned yet (Unprocessed) [1377]  
Page 202, 6.19 REPORT ALIASES command, seventh paragraph

Change "indicates" to "specifies".

Maxtor 144) No title assigned yet (Unprocessed) [1378]  
Page 203, 6.20 REPORT DEVICE IDENTIFIER command, fifth paragraph

Change "indicates" to "specifies".

Maxtor 145) No title assigned yet (Unprocessed) [1379]  
Page 208, 6.22 REPORT PRIORITY command, sixth paragraph

Change "specifies" to "indicates".

Maxtor 146) No title assigned yet (Unprocessed) [1380]  
Page 211, 6.23.2 All\_commands parameter data format, second paragraph

Change "specifies" to "indicates".

Maxtor 147) No title assigned yet (Unprocessed) [1381]  
Page 213

Change "indicates" to "specifies".

Maxtor 148) No title assigned yet (Unprocessed) [1382]  
Page 214, 6.24 REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command, eleventh paragraph

The TARGET RESET task management function has been removed from SAM-3. We'll need a different "see" here.

Maxtor 149) No title assigned yet (Unprocessed) [1383]  
Page 215, 6.25 REPORT TARGET PORT GROUPS command, third paragraph

Change "indicates" to "specifies".

Maxtor 150) No title assigned yet (Unprocessed) [1384]  
Page 216, 6.25 REPORT TARGET PORT GROUPS command, sixth paragraph

Change "specifies" to "indicates".

Maxtor 151) No title assigned yet (Unprocessed) [1385]  
Page 218, 6.26 REQUEST SENSE command, second paragraph

Change "indicates" to "specifies".

Maxtor 152) No title assigned yet (Unprocessed) [1386]  
Page 221, 6.27 SEND DIAGNOSTIC command, fifth paragraph

Change to "...specifies that the device server shall perform...".

Maxtor 153) No title assigned yet (Unprocessed) [1387]  
Page 221, 6.27 SEND DIAGNOSTIC command, sixth paragraph

Change to "...specifies that the device server shall perform...".

Maxtor 154) No title assigned yet (Unprocessed) [1388]  
Page 221, 6.27 SEND DIAGNOSTIC command, seventh paragraph

Change to, "...specifies that the device server may perform diagnostic operations that may affect..."

Maxtor 155) No title assigned yet (Unprocessed) [1389]  
Page 221, 6.27 SEND DIAGNOSTIC command, eighth paragraph

Change to, "...specifies that the device server may perform diagnostic operations that may affect..."

Maxtor 156) No title assigned yet (Unprocessed) [1390]  
Page 222, 6.28 SET DEVICE IDENTIFIER command, fifth paragraph

Change "indicates" to "specifies".

Maxtor 157) No title assigned yet (Unprocessed) [1391]  
Page 224, Table 172 - I\_T\_L NEXUS TO SET field, second column, fourth row

Is this supposed to be a separate paragraph and there is an line feed missing, or is there a superfluous line feed here?

Maxtor 158) No title assigned yet (Unprocessed) [1392]  
Page 225, 6.29 SET PRIORITY command, ninth paragraph

Change "indicates" to "specifies".

Maxtor 159) No title assigned yet (Unprocessed) [1393]  
Page 226, 6.30 SET TARGET PORT GROUPS command, third paragraph

Change "indicates" to "specifies".

Maxtor 160) No title assigned yet (Unprocessed) [1394]  
Page 233, 6.33.5 Download microcode mode (04h), first paragraph

I think that error conditions should follow description, so this paragraph should be moved below the following paragraph.

Maxtor 161) No title assigned yet (Unprocessed) [1395]  
Page 233, 6.33.6 Download microcode and save mode (05h), first paragraph

I think that error conditions should follow description, so this paragraph should be moved below the following paragraph.

Maxtor 162) No title assigned yet (Unprocessed) [1396]  
Page 233, 6.33.7 Download microcode with offsets (06h), first paragraph

I think that error conditions should follow description, so this sentence should be moved down in the clause. The first sentence of this paragraph could then be combined with the following paragraph to make a new first paragraph.

Maxtor 163) No title assigned yet (Unprocessed) [1397]  
Page 234, 6.33.7 Download microcode with offsets (06h), fifth paragraph

Change "...identifies a specific..." to "...specifies...".

Maxtor 164) No title assigned yet (Unprocessed) [1398]  
Page 234, 6.33.7 Download microcode with offsets (06h), fifth paragraph

Change "identified" to "specified".

Maxtor 165) No title assigned yet (Unprocessed) [1399]  
Page 234, 6.33.7 Download microcode with offsets (06h), seventh paragraph

Delete "attempt to".

Maxtor 166) No title assigned yet (Unprocessed) [1400]

Page 234, 6.33.8 Download microcode with offsets and save mode (07h), eighth paragraph

I think that error conditions should follow description, so this sentence should be moved down in the clause. The first sentence of this paragraph could then be combined with the following paragraph to make a new first paragraph.

Maxtor 167) No title assigned yet (Unprocessed) [1401]

Page 234, 6.33.7 Download microcode with offsets (06h), seventh paragraph

For the sentence, "The capacity of the buffer may be determined by the BUFFER CAPACITY field in the READ BUFFER descriptor." I'm not satisfied with the "may be determined" and recommend that this be changed to "is determined" or at least "should be determined", as the only other option is trial and error.

Maxtor 168) No title assigned yet (Unprocessed) [1402]

Page 235, 6.33.8 Download microcode with offsets and save mode (07h), fifteenth paragraph

Change "may be determined" to "is determined" or at least "should be determined" (see comment above).

Maxtor 169) No title assigned yet (Unprocessed) [1403]

Page 235, 6.33.8 Download microcode with offsets and save mode (07h), thirteenth paragraph

Change "identifies a specific" to "specifies".

Maxtor 170) No title assigned yet (Unprocessed) [1404]

Page 235, 6.33.8 Download microcode with offsets and save mode (07h), thirteenth paragraph

Change "identified" to "specified".

Maxtor 171) No title assigned yet (Unprocessed) [1405]

Page 235, 6.33.8 Download microcode with offsets and save mode (07h), fifteenth paragraph

Delete "attempt to".

Maxtor 172) No title assigned yet (Unprocessed) [1406]

Page 235, 6.33.9 Write data to echo buffer (0Ah)

Change clause title to "Echo buffer mode (0Ah)".

Maxtor 173) No title assigned yet (Unprocessed) [1407]

Page 235, 6.33.9 Write data to echo buffer (0Ah), second paragraph

Change "it" to "the data".

Maxtor 174) No title assigned yet (Unprocessed) [1408]

Page 235, 6.33.9 Write data to echo buffer (0Ah), third paragraph

Delete "attempt to".

Maxtor 175) No title assigned yet (Unprocessed) [1409]

Page 235, 6.33.9 Write data to echo buffer (0Ah), third paragraph

Change "may be determined" to "is determined" or at least "should be determined" (see comment above).



Maxtor 176) No title assigned yet (Unprocessed) [1410]  
Page 243, 7.2.1 Log page structure and page codes for all device types, third paragraph

Change "specifies" to "contains the number of the log page being transferred."

Maxtor 177) No title assigned yet (Unprocessed) [1411]  
Page 243, 7.2.1 Log page structure and page codes for all device types, fourth paragraph

Change "specifies" to "contains".

Maxtor 178) No title assigned yet (Unprocessed) [1412]  
Page 244, 7.2.1 Log page structure and page codes for all device types, ninth paragraph

Change "indicated" to "specified".

Maxtor 179) No title assigned yet (Unprocessed) [1413]  
Page 244, 7.2.1 Log page structure and page codes for all device types, tenth paragraph

Change "indicated" to "specified".

Maxtor 180) No title assigned yet (Unprocessed) [1414]  
Page 249, 7.2.3 Buffer Over-Run/Under-Run log page, fourth paragraph

Change "...is a 16-bit value..." to "...contains a 16-bit value...".

Maxtor 181) No title assigned yet (Unprocessed) [1415]  
Page 253, 7.2.5 Informational Exceptions log page, fifth paragraph

Change "is" to "are".

Maxtor 182) No title assigned yet (Unprocessed) [1416]  
Page 254, 7.2.7 Last n Error Events log page, second paragraph

Delete "an".

Maxtor 183) No title assigned yet (Unprocessed) [1417]  
Page 255, 7.2.9 Protocol Specific Port log page, sixth paragraph

Change to, "The PROTOCOL IDENTIFIER field contains one of the values shown in table 256 (see 7.5.1) to identify the SCSI transport protocol standard that defines the SCSI transport protocol specific data in this log parameter."

Maxtor 184) No title assigned yet (Unprocessed) [1418]  
Page 260

Change to, "The year and week in the year that the SCSI target device was manufactured shall be contained in the PARAMETER VALUE field of the log parameter in which the parameter code value is 0001h."

Maxtor 185) No title assigned yet (Unprocessed) [1419]  
Page 260

Change "device" to "SCSI target device".

Maxtor 186) No title assigned yet (Unprocessed) [1420]

Page 260, 7.2.11 Start-Stop Cycle Counter log page, second paragraph, second sentence

Change the beginning to, "The date of manufacture parameter shall not be changeable by the application client using..."

Maxtor 187) No title assigned yet (Unprocessed) [1421]

Page 260, 7.2.11 Start-Stop Cycle Counter log page, fourth paragraph, all but the last sentence

Change to, "The specified cycle count over device lifetime parameter value shall be contained in the log parameter in which the parameter code is 0003h. This value is the number of stop-start cycles that may typically be performed over the lifetime of the SCSI target device without degrading the device's operation or reliability beyond the limits specified by the manufacturer of the device. The specified cycle count over device lifetime parameter shall not be changeable by the application client using the LOG SELECT command (i.e., the log parameter DS bit shall be one). The parameter value is a 4-byte binary number."

Maxtor 188) No title assigned yet (Unprocessed) [1422]

Page 260

Change to, "The state of the parameter control bits for the log parameter in which the parameter code value is 0001h is defined in table 215."

Maxtor 189) No title assigned yet (Unprocessed) [1423]

Page 260

Change to, "The state of the parameter control bits for the log parameter in which the parameter code value is 0002h is defined in table 216."

Maxtor 190) No title assigned yet (Unprocessed) [1424]

Page 261, 7.2.11 Start-Stop Cycle Counter log page, fourth paragraph

Delete as part of above.

Maxtor 191) No title assigned yet (Unprocessed) [1425]

Page 261, 7.2.11 Start-Stop Cycle Counter log page, fifth paragraph, first four sentences

Change to, "The accumulated start-stop cycles parameter value shall be contained in the log parameter in which the parameter code is 0004h. This value is the number of stop-start cycles that the SCSI target device has detected since its date of manufacture. The accumulated start-stop cycles parameter shall not be changeable by the application client using the LOG SELECT command (i.e., the log parameter DS bit shall be one). The parameter value is a 4-byte binary number."

Maxtor 192) No title assigned yet (Unprocessed) [1426]

Page 261, 7.2.12 Supported Log Pages log page, third paragraph

Change "specifies" to "indicates".

Maxtor 193) No title assigned yet (Unprocessed) [1427]

Page 261

Change to, "The state of the parameter control bits for the log parameter in which the parameter code value is 0003h is defined in table 217."

Maxtor 194) No title assigned yet (Unprocessed) [1428]  
Page 261

Change to, "The state of the parameter control bits for the log parameter in which the parameter code value is 0004h is defined in table 217."

Maxtor 195) No title assigned yet (Unprocessed) [1429]  
Page 263, 7.2.13 Temperature log page, second paragraph

Change to, "The temperature parameter value shall be contained in the log parameter in which the parameter code is 0000h. This value is the temperature sensed in the SCSI target device when the LOG SENSE command is processed. The parameter value is a one-byte binary number indicating the temperature of the SCSI target device in degrees Celsius. Temperatures equal to or less than zero degrees Celsius shall be indicated by a value of zero. If the device server is unable to detect a valid temperature because of a sensor failure or other condition, the value returned shall be FFh. The temperature should be reported with an accuracy of plus or minus three Celsius degrees while the SCSI target device is operating at a steady state within the environmental limits specified for the device. The state of the parameter control bits for the log parameter in which the parameter code value is 0000h is defined in table 220."

Maxtor 196) No title assigned yet (Unprocessed) [1430]  
Page 263, 7.2.13 Temperature log page, third paragraph

Change to, "A reference temperature for the SCSI target device may optionally be provided in the log parameter in which the parameter code is 0001h. The parameter value is a one-byte binary number indicating the maximum reported sensor temperature in degrees Celsius at which the SCSI target device is capable of operating continuously without degrading the device's operation or reliability beyond manufacturer accepted limits. The reference temperature may change for vendor specific reasons. If no reference temperature is provided, the parameter may be omitted or the reference temperature value may be set to the value of FFh. The state of the parameter control bits for the log parameter in which the parameter code value is 0001h is defined in table 220. No comparison is performed between the temperature value specified in parameter 0000h and the reference temperature specified in parameter 0001h."

Maxtor 197) No title assigned yet (Unprocessed) [1431]  
Page 269, 7.3.2.2.8 MEDIUM USAGE HISTORY below the sixteenth paragraph

Is this supposed to be some kind of note?

Maxtor 198) No title assigned yet (Unprocessed) [1432]  
Page 271, 7.3.2.2.9 PARTITION USAGE HISTORY, below the fifteenth paragraph

Is this supposed to be some kind of note?

Maxtor 199) No title assigned yet (Unprocessed) [1433]  
Page 275, 7.4.3 Mode parameter header formats, first paragraph

Does, "The six-byte CDB mode parameter header..." mean, "The mode parameter header to be used in a mode parameter list for MODE SELECT (6) and MODE SENSE (6) commands..."? If so, it should be changed.

Maxtor 200) No title assigned yet (Unprocessed) [1434]  
Page 275, 7.4.1 Mode parameters overview

It might be redundant, but I think it would be helpful to add the following paragraph, "Values in fields in mode parameters may or may not be changeable by application clients (see 6.9.3)."

Maxtor 201) No title assigned yet (Unprocessed) [1435]

Page 276, 7.4.3 Mode parameter header formats, second paragraph

Does, "The ten-byte CDB mode parameter header..." mean, "The mode parameter header to be used in a mode parameter list for MODE SELECT (10) and MODE SENSE (10) commands..."? If so, it should be changed.

Maxtor 202) No title assigned yet (Unprocessed) [1436]

Page 276, 7.4.3 Mode parameter header formats, third paragraph

Change "specifies" to "indicates".

Maxtor 203) No title assigned yet (Unprocessed) [1437]

Page 276, 7.4.3 Mode parameter header formats, seventh paragraph

Change "specifies" to "contains".

Maxtor 204) No title assigned yet (Unprocessed) [1438]

Page 276, 7.4.3 Mode parameter header formats, sixth paragraph

Change to, "If the Long LBA (LONGLBA) bit is set to zero, then the mode parameter block descriptors are eight bytes long and have the format described in 7.4.4.1. If the LONGLBA bit is set to one, then the mode parameter block descriptors are sixteen bytes long and have a format described in a command standard (see 3.1.18)."

Maxtor 205) No title assigned yet (Unprocessed) [1439]

Page 280, Table 239 - Control mode page

Change "TAS" to "VS".

Maxtor 206) No title assigned yet (Unprocessed) [1440]

Page 282, 7.4.6 Control mode page, paragraph thirteen

Delete this paragraph.

Maxtor 207) No title assigned yet (Unprocessed) [1441]

Page 282, 7.4.6 Control mode page, below paragraph thirteen

Add the following note: Some device servers may implement bit 7 in byte 4 as the TAS bit (see SPC-2). Some device servers may implement bit 7 in byte 4 as the EECA bit (see SCSI-2).

Maxtor 208) No title assigned yet (Unprocessed) [1442]

Page 284, 7.4.7 Control Extension mode page, first paragraph

Change "provides" to "...and provides".

Maxtor 209) No title assigned yet (Unprocessed) [1443]

Page 286, 7.4.8 Disconnect-Reconnect mode page, third paragraph

Change the last sentence to, "If a parameter value is changed, all the device servers for all logical units accessible through the target port shall establish a unit attention condition for all initiator ports associated with all I\_T nexuses associated with the target port except the I\_T nexus on which the MODE SELECT command was received, with the additional sense code set to MODE PARAMETERS CHANGED."

Maxtor 210) No title assigned yet (Unprocessed) [1444]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, fifth paragraph

Change to, "...a given pair of SCSI ports (i.e., an initiator port and a target port)..."

Maxtor 211) No title assigned yet (Unprocessed) [1445]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, seventh paragraph

Change the beginning to, "The BUFFER FULL RATIO field specifies to the target port how full the buffer should be during read operations prior to requesting an interconnect tenancy. Target..."

Maxtor 212) No title assigned yet (Unprocessed) [1446]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, eighth paragraph

Change the beginning to, "The BUFFER EMPTY RATIO field specifies to the target port how empty the buffer should be during write operations prior to requesting an interconnect tenancy. Target..."

Maxtor 213) No title assigned yet (Unprocessed) [1447]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, thirteenth paragraph

Change "indicates" to "specifies" in two places (the second is on the following page).

Maxtor 214) No title assigned yet (Unprocessed) [1448]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, tenth paragraph

Change "indicates the maximum time" to "specifies the maximum time".

Maxtor 215) No title assigned yet (Unprocessed) [1449]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, tenth paragraph

Change "indicates that there is no bus inactivity limit" to "specifies that there is no bus inactivity limit".

Maxtor 216) No title assigned yet (Unprocessed) [1450]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, tenth paragraph

Change "specify different units" to "define different units".

Maxtor 217) No title assigned yet (Unprocessed) [1451]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, twelfth paragraph

Change "specify different units" to "define different units".

Maxtor 218) No title assigned yet (Unprocessed) [1452]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, eleventh paragraph

Change "indicates the minimum time" to "specifies the minimum time".

Maxtor 219) No title assigned yet (Unprocessed) [1453]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, eleventh paragraph

Change "specify different units" to "define different units".

Maxtor 220) No title assigned yet (Unprocessed) [1454]  
Page 286, 7.4.8 Disconnect-Reconnect mode page, twelfth paragraph

Change "indicates the maximum duration" to "specifies the maximum duration".

Maxtor 221) No title assigned yet (Unprocessed) [1455]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, fifteenth paragraph

Change "indicates" to "specifies".

Maxtor 222) No title assigned yet (Unprocessed) [1456]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, sixteenth paragraph

Change "indicates" to "specifies".

Maxtor 223) No title assigned yet (Unprocessed) [1457]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, sixteenth paragraph

Change "indicate" to "specify".

Maxtor 224) No title assigned yet (Unprocessed) [1458]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, seventeenth paragraph

Change "indicates" to "specifies" in two places.

Maxtor 225) No title assigned yet (Unprocessed) [1459]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, nineteenth paragraph

Change "indicates" to "specifies".

Maxtor 226) No title assigned yet (Unprocessed) [1460]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, sixteenth paragraph

Change "specified" to "defined".

Maxtor 227) No title assigned yet (Unprocessed) [1461]  
Page 287, 7.4.8 Disconnect-Reconnect mode page, thirteenth paragraph

Change "specified in the individual SCSI protocol standards." to "defined in the individual SCSI protocol standards."

Maxtor 228) No title assigned yet (Unprocessed) [1462]  
Page 289, 7.4.11 Informational Exceptions Control mode page, fourth paragraph

Change to, "If the log errors (LOGERR) bit set to zero, then the logging of informational exception conditions by a device server is vendor specific. If the LOGERR bit set to one, then the device server shall log informational exception conditions."

Maxtor 229) No title assigned yet (Unprocessed) [1463]  
Page 289

Change the first sentence to, "If the enable warning (EWASC) bit set to zero, then the device server shall disable reporting of the warning."

Maxtor 230) No title assigned yet (Unprocessed) [1464]  
Page 289

Change the third sentence to, Change to, "If the EWASC bit is set to one, then warning reporting shall be enabled."  
(The sentence is continued on the next page.)

Maxtor 231) No title assigned yet (Unprocessed) [1465]  
Page 290, 7.4.11 Informational Exceptions Control mode page, seventh paragraph, third sentence  
see above.

Maxtor 232) No title assigned yet (Unprocessed) [1466]  
Page 290, 7.4.11 Informational Exceptions Control mode page, eighth and ninth paragraph

Change to one paragraph as follows, "If background functions are supported and the Enable Background Function (EBF) bit set to one, then the device server shall enable background functions. If the EBF bit set to zero, then the device server shall disable the functions. For the purposes of the EBF bit, background functions are defined as idle time functions that may impact performance that are performed by a device server operating without errors but do not impact the reliability of the logical unit (e.g., read scan)."

Maxtor 233) No title assigned yet (Unprocessed) [1467]  
Page 290, 7.4.11 Informational Exceptions Control mode page, tenth paragraph

Change to, "If the performance (PERF) bit is set to zero, then the informational exception operations that are the cause of delays are acceptable. If the PERF bit is set to one, then the device server shall not cause delays while doing informational exception operations.

Maxtor 234) No title assigned yet (Unprocessed) [1468]  
Page 290

Change to, "The value in the method of reporting informational exceptions field (MRIE) defines the method that shall be used by the device server to report informational exception conditions (see table 251)."

Maxtor 235) No title assigned yet (Unprocessed) [1469]  
Page 290, Table 251 - Method of reporting informational exceptions (MRIE) field

In six places change "This method instructs the device server to report..." to, "The device server shall..."

Maxtor 236) No title assigned yet (Unprocessed) [1470]  
Page 290, Table 251 - Method of reporting informational exceptions (MRIE) field

see above.

Maxtor 237) No title assigned yet (Unprocessed) [1471]  
Page 290, Table 251 - Method of reporting informational exceptions (MRIE) field

see above.

Maxtor 238) No title assigned yet (Unprocessed) [1472]  
Page 291, Table 251 - Method of reporting informational exceptions (MRIE) field

see above.

Maxtor 239) No title assigned yet (Unprocessed) [1473]  
Page 291, Table 251 - Method of reporting informational exceptions (MRIE) field

see above.

Maxtor 240) No title assigned yet (Unprocessed) [1474]  
Page 291, Table 251 - Method of reporting informational exceptions (MRIE) field

see above.

Maxtor 241) No title assigned yet (Unprocessed) [1475]  
Page 291

Change "The INTERVAL TIMER field indicates..." to, "The value in the INTERVAL TIMER field is..."

Maxtor 242) No title assigned yet (Unprocessed) [1476]  
Page 291

Change "The REPORT COUNT field indicates..." to, "The value in the INTERVAL TIMER field is..." to, "The value in the REPORT COUNT field is..."

Maxtor 243) No title assigned yet (Unprocessed) [1477]  
Page 294, 7.4.13 Protocol Specific Logical Unit mode page, sixth paragraph

Change "The PROTOCOL IDENTIFIER field (see 7.5.1) indicates..." to, "The value in the PROTOCOL IDENTIFIER field (see 7.5.1) defines..."

Maxtor 244) No title assigned yet (Unprocessed) [1478]  
Page 295, 7.4.14 Protocol Specific Port mode page, fifth paragraph

Change "The PROTOCOL IDENTIFIER field (see 7.5.1) indicates..." to, "The value in the PROTOCOL IDENTIFIER field (see 7.5.1) defines..."

Maxtor 245) No title assigned yet (Unprocessed) [1479]  
Page 297, 7.5.2.2.1 Introduction to Fibre Channel specific alias entry designations, first paragraph

Change "...specifies the Fibre Channel protocol..." to, "...contains the Fibre Channel protocol identifier..."

Maxtor 246) No title assigned yet (Unprocessed) [1480]  
Page 298, 7.5.2.3.1 Introduction to RDMA specific alias entry designations, first paragraph

Change "...specifies the SCSI RDMA protocol..." to, "...contains the SCSI RDMA protocol identifier..."

Maxtor 247) No title assigned yet (Unprocessed) [1481]  
Page 299, 7.5.2.4.1 Introduction to Internet SCSI specific alias entry designations, first paragraph

Change "...specifies the iSCSI protocol..." to, "contains the iSCSI protocol identifier..."

Maxtor 248) No title assigned yet (Unprocessed) [1482]  
Page 305, 7.5.3.4 Fibre Channel N\_Port with world wide name checking EXTENDED COPY target descriptor format, first paragraph

Change to, "The target descriptor format shown in table 270 is used by an EXTENDED COPY command to specify a copy target device using its Fibre Channel N\_Port and World Wide Name."



Maxtor 249) No title assigned yet (Unprocessed) [1483]

Page 305, Table 270 - Fibre Channel N\_Port with world wide name checking target descriptor format title

Capitalize "World Wide Name".

Maxtor 250) No title assigned yet (Unprocessed) [1484]

Page 306, 7.5.3.5 SCSI Parallel T\_L EXTENDED COPY target descriptor format, first paragraph

Change to, "The target descriptor format shown in table 271 is used by an EXTENDED COPY command to specify a copy target device using its SCSI parallel protocol SCSI bus target identifier and logical unit number."

Maxtor 251) No title assigned yet (Unprocessed) [1485]

Page 307, 7.5.3.6 IEEE 1394 EUI-64 EXTENDED COPY target descriptor format, first paragraph

Change to, "The target descriptor format shown in table 272 is used by an EXTENDED COPY command to specify a copy target device using its 64-bit IEEE 1394 Extended Unique Identifier (EUI-64) and configuration ROM Read-Only Memory) directory identifier."

Maxtor 252) No title assigned yet (Unprocessed) [1486]

Page 308

Change to, "The target descriptor format shown in table 273 is used by an EXTENDED COPY command to specify a copy target device using its RDMA SRP target port identifier (see SRP)."

Maxtor 253) No title assigned yet (Unprocessed) [1487]

Page 309, 7.5.3.8 iSCSI binary IPv4 address EXTENDED COPY target descriptor format, first paragraph

Change to, "The target descriptor format shown in table 274 is used by an EXTENDED COPY command to specify a copy target device using its Internet protocol binary IPv4 address and logical unit number."

Maxtor 254) No title assigned yet (Unprocessed) [1488]

Page 310

Change to, "The target descriptor format shown in table 275 is used by an EXTENDED COPY command to specify a copy target device using its Serial SCSI protocol address (see SAS)."

Maxtor 255) No title assigned yet (Unprocessed) [1489]

Page 310, 7.5.4.1 Overview of TransportID identifiers, first paragraph

Change "identify" to "specify".

Maxtor 256) No title assigned yet (Unprocessed) [1490]

Page 311, 7.5.4.1 Overview of TransportID identifiers, third paragraph

Change "identifies" to "specifies".

Maxtor 257) No title assigned yet (Unprocessed) [1491]

Page 311, 7.5.4.1 Overview of TransportID identifiers, fourth paragraph

Change "identifies" to "specifies".

Maxtor 258) No title assigned yet (Unprocessed) [1492]

Page 311, 7.5.4.2 TransportID for initiator ports using SCSI over Fibre Channel, first paragraph

Change "identifies" to "specifies".

Maxtor 259) No title assigned yet (Unprocessed) [1493]

Page 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, first paragraph

Change "identifies" to "specifies".

Maxtor 260) No title assigned yet (Unprocessed) [1494]

Page 312, 7.5.4.4 TransportID for initiator ports using SCSI over IEEE 1394, first paragraph

Change "identifies" to "specifies".

Maxtor 261) No title assigned yet (Unprocessed) [1495]

Page 313, 7.5.4.5 TransportID for initiator ports using SCSI over an RDMA interface, first paragraph

Change "identifies" to "specifies".

Maxtor 262) No title assigned yet (Unprocessed) [1496]

Page 313, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, first paragraph

Change "identifies" to "specifies".

Maxtor 263) No title assigned yet (Unprocessed) [1497]

Page 313, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, third paragraph

Change "identifies" to "specifies".

Maxtor 264) No title assigned yet (Unprocessed) [1498]

Page 314, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, eighth paragraph

Change "identifies" to "specifies".

Maxtor 265) No title assigned yet (Unprocessed) [1499]

Page 314, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, sixth paragraph

Change "...00b is appears..." to "00b appears..."

Maxtor 266) No title assigned yet (Unprocessed) [1500]

Page 314, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, seventh paragraph

Change "...00b is appears..." to "00b appears..."

Maxtor 267) No title assigned yet (Unprocessed) [1501]

Page 315, 7.5.4.7 TransportID for initiator ports using SCSI over SAS serial SCSI protocol, first paragraph

Change "identifies" to "specifies".

Maxtor 268) No title assigned yet (Unprocessed) [1502]  
Page 319, 7.6.4.1 Device Identification VPD page overview, fifth paragraph

Change "specifies" to "indicates".

Maxtor 269) No title assigned yet (Unprocessed) [1503]  
Page 320, 7.6.4.1 Device Identification VPD page overview, eleventh paragraph

Change "specifies" to "indicates".

Maxtor 270) No title assigned yet (Unprocessed) [1504]  
Page 320, 7.6.4.1 Device Identification VPD page overview, twelfth paragraph

Change "specifies" to "indicates".

Maxtor 271) No title assigned yet (Unprocessed) [1505]  
Page 321

Change "specifies" to "indicates".

Maxtor 272) No title assigned yet (Unprocessed) [1506]  
Page 321, 7.6.4.2 Vendor specific identifier format, first paragraph

Delete "consequently".

Maxtor 273) No title assigned yet (Unprocessed) [1507]  
Page 321, 7.6.4.3 T10 vendor identification format, first paragraph

Change "...the identifier field has..." to, "...then the IDENTIFIER field shall have...".

Maxtor 274) No title assigned yet (Unprocessed) [1508]  
Page 322, 7.6.4.4.2 EUI-64 identifier format, first paragraph

Change "...the identifier field has..." to, "...then the IDENTIFIER field shall have...".

Maxtor 275) No title assigned yet (Unprocessed) [1509]  
Page 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format, first paragraph

Change "...the identifier field has..." to, "...then the IDENTIFIER field shall have...".

Maxtor 276) No title assigned yet (Unprocessed) [1510]  
Page 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format, first paragraph

Change "...the identifier field has..." to, "...then the IDENTIFIER field shall have...".

Maxtor 277) No title assigned yet (Unprocessed) [1511]  
Page 324, 7.6.4.5.1 NAA identifier basic format, first paragraph

Change "...the identifier field has..." to, "...then the IDENTIFIER field shall have...".

Maxtor 278) No title assigned yet (Unprocessed) [1512]

Page 324, 7.6.4.5.2 NAA IEEE Extended identifier format, first paragraph

Change "When NAA is 2h (i.e., IEEE Extended), the eight byte fixed length IDENTIFIER field..." to, "If NAA is 2h (i.e., IEEE Extended), then the IDENTIFIER field..."

Maxtor 279) No title assigned yet (Unprocessed) [1513]

Page 325, 7.6.4.5.3 NAA IEEE Registered identifier format, first paragraph

Change "When NAA is 5h (i.e., IEEE Registered), the eight byte fixed length IDENTIFIER field..." to, "If NAA is 5h (i.e., IEEE Registered), then the IDENTIFIER field..."

Maxtor 280) No title assigned yet (Unprocessed) [1514]

Page 325

Change "When NAA is 6h (i.e., IEEE Registered Extended), the sixteen byte fixed length IDENTIFIER field..." to, "If NAA is 6h (i.e., IEEE Registered Extended), then the IDENTIFIER field..."

Maxtor 281) No title assigned yet (Unprocessed) [1515]

Page 326, 7.6.4.6 Relative target port identifier format, first paragraph

Change "... (i.e. SCSI target port), the four byte fixed length IDENTIFIER field..." to, "(i.e., SCSI target port), then the IDENTIFIER field..."

Maxtor 282) No title assigned yet (Unprocessed) [1516]

Page 326, 7.6.4.6 Relative target port identifier format, second paragraph

Change "identifies" to "indicates".

Maxtor 283) No title assigned yet (Unprocessed) [1517]

Page 342, 8.3.1.2 Access controls overview, fifth paragraph

I know that ACL is in the list of acronyms, but I recommend that this first occurrence of "ACL" be changed to "access control list (ACL)".

Maxtor 284) No title assigned yet (Unprocessed) [1518]

Page 343, 8.3.1.2 Access controls overview, eleventh paragraph

I know that ACE is in the list of acronyms, but I recommend that this first occurrence of "ACE" be changed to "access control list entry (ACE)".

Maxtor 285) No title assigned yet (Unprocessed) [1519]

Page 343, 8.3.1.2 Access controls overview, eleventh paragraph

I know that LUACD is in the list of acronyms, but I recommend that this first occurrence of "LUACD" be changed to "logical unit access control descriptor (LUACD)".

Maxtor 286) No title assigned yet (Unprocessed) [1520]

Page 408

Change, "...setup...[one-word noun]", to, "...set up...[two-word verb/adverb]", or change to, "...configured...[better English]".

## 9. Quantum Corp.

Paul Entzel from Quantum Corp. submitted the following comments on a Yes vote.

Quantum 1) No title assigned yet (Unprocessed) [1521]  
PDF Pg 72 Last P on page

I believe this set of rules is specific to disk drives. No commands in SPC-3 define a TRANSFER LENGTH field within the CDB. Perhaps this should be moved to SBC.

Quantum 2) No title assigned yet (Unprocessed) [1522]  
PDF Pg 73 1st P, past sentence

"blocks" SB "blocks or bytes".

Quantum 3) No title assigned yet (Unprocessed) [1523]  
PDF Pg 73 4.3.4.6, 1st P, 1st S

"for returned data" should be "within the Data-In buffer" to avoid confusion with status and sense data that is also returned.

Quantum 4) No title assigned yet (Unprocessed) [1524]  
PDF Pg 73 4.3.4.6, 1st P, e.g.

"sense data" SB "sense data for a REQUEST SENSE command", or remove sense data to avoid confusion with autosense data.

Quantum 5) No title assigned yet (Unprocessed) [1525]  
PDF Pg 73 4.3.4.6, 2nd P

Are there any cases where this can happen except for MODE SENSE(6)? If not, then this should be moved to that command since it is confusing without context.

Quantum 6) No title assigned yet (Unprocessed) [1526]  
PDF Pg 75 last sentence on page

The paragraph above states that the "additional sense code shall be set to NO ADDITIONAL SENSE INFORMATION" if the device server does not have further information. The addition sense code of NO ADDITIONAL SENSE INFORMATION defines both the ASC and ASCQ value, so this sentence is not required.

Quantum 7) No title assigned yet (Unprocessed) [1527]  
PDF Pg 106 5.6.1, 3rd P

The first 2 sentences in this paragraph were use to justify the existence of PRs in a world where old style reservations existed. Now that standard reservations are gone, they lack context. For instance, "to provide application clients with more detailed control over reservations recovery". More detailed control than what? I think the 2 sentences can be removed since the 3rd sentence provides the requirements. If we chose not to remove them, they should be fixed so they no longer indirectly reference old style reservations.

Quantum 8) No title assigned yet (Unprocessed) [1528]  
PDF Pg 106 5.6.1, 4th P

"as part of the recovery process" SB "as part of a recovery process".

Quantum 9) No title assigned yet (Unprocessed) [1529]  
PDF Pg 106 5.6.1, 5th P

"using logical units with multiple target ports", Persistent reservations are useful even in devices with a single target port. Change "using logical units with multiple ports" to "accessing a logical unit".

Quantum 10) No title assigned yet (Unprocessed) [1530]  
PDF Pg 107 1st P on page

"register each I\_T nexus" SB "register one or more I\_T nexus".

Quantum 11) No title assigned yet (Unprocessed) [1531]  
PDF Pg 111 list before Note 10

Since the scope is always the entire logical unit (see 5.6.1), is it really necessary to preserve this information? If we drop this requirement, NOTE 10 can go away also.

Quantum 12) No title assigned yet (Unprocessed) [1532]  
PDF Pg 113 last P on page

"(see 5.6.10.10.4)", this cross reference is incorrect. It should be 5.6.10.3. Although, an argument could be made for removing this paragraph as it is already covered in 5.6.10.3.

Quantum 13) No title assigned yet (Unprocessed) [1533]  
PDF Pg 119 1st P and list

These paragraphs are redundant with subclause 5.6.5.3 which discusses READ RESERVATION service action at length. Suggest instead that a reference be added to 5.6.5.3.

Quantum 14) No title assigned yet (Unprocessed) [1534]  
PDF Pg 119 4th P

This sentence is redundant with 5.6.10.2 and should be removed.

Quantum 15) No title assigned yet (Unprocessed) [1535]  
PDF Pg 119 5th P

"released until the registrations" SB "released unless the registrations"

Quantum 16) No title assigned yet (Unprocessed) [1536]  
PDF Pg 137 2nd P on page

The RESERVE ELEMENT and RELEASE ELEMENT commands are obsolete in SMC-2. This sentence should be removed.

Quantum 17) No title assigned yet (Unprocessed) [1537]  
PDF Pg 184 4th P after table 78

This sentence seems to contradict several other paragraphs in this section that state reasons to return CC.

Quantum 18) No title assigned yet (Unprocessed) [1538]  
PDF Pg 187 last P, last 2 S

According to table 42, REPORT LUNS command is always mandatory.

Quantum 19) No title assigned yet (Unprocessed) [1539]  
PDF Pg 189 1st P, last S

"device has a single port and does not" SB "device has a single port or does not", or else we need a description of what to report for 2 other cases.

Quantum 20) No title assigned yet (Unprocessed) [1540]  
PDF Pg 189 2nd P, 1st S

"is associated with or attached to a medium transport element" SB "supports the commands to control an attached media changer (See SMC-2)".

Quantum 21) No title assigned yet (Unprocessed) [1541]  
PDF Pg 189 2nd P, 4th S

"is not embedded within or attached to a medium transport element" SB "does not support the commands to control an attached media changer".

Quantum 22) No title assigned yet (Unprocessed) [1542]  
PDF Pg 204 1st P, 4th S

"The SP bit is optional" SB "Support for the SP bit set to one is optional".

Quantum 23) No title assigned yet (Unprocessed) [1543]  
PDF Pg 205 1st P, 5th S

The term "page header" is not defined in this standard, but in this case I believe it means "the first byte of the page or sub-page".

Quantum 24) No title assigned yet (Unprocessed) [1544]  
PDF Pg 226 lettered list

Either we need to add I\_T Nexus loss to the list of things that terminate prevention state, or we need to add a status code so the device server can report it is out of resources. Quantum prefers that I\_T Nexus loss clear prevention state.

Quantum 25) No title assigned yet (Unprocessed) [1545]  
PDF Pg 286 1st P after table 188

What exactly constitutes a "page header" is not defined by this standard, but I believe it means "the first four bytes of the diagnostics pages as defined in Table 188". Although I think the sentence should be re-worded into something like: "Each diagnostics page shall be formatted as shown in Table 188 with the Diagnostics parameters determined by the page code specified."

Quantum 26) No title assigned yet (Unprocessed) [1546]  
PDF Pg 289 7.2.1, 2nd P

The term "page header" is not defined in this standard. Suggested re-wording "Each log page shall be formatted as shown in Table 191 and shall contain zero or more variable-length log parameters defined for that page.

Quantum 27) No title assigned yet (Unprocessed) [1547]  
PDF Pg 321 7.4.1, 1st P, 1st S

"This subclause describes the block descriptors and" SB "This subclause describes the mode parameter headers, blocks descriptors and".

Quantum 28) No title assigned yet (Unprocessed) [1548]  
PDF Pg 323 last P on page

"transfer length" SB small caps.

Quantum 29) No title assigned yet (Unprocessed) [1549]  
PDF Pg 332 5th and 6th P

Capitalize target.

Quantum 30) No title assigned yet (Unprocessed) [1550]  
PDF Pg 334. 7.4.9 1st P

It is unclear why reserving subpage code 0 causes all mode pages to use the sub\_page format. Indicating that SPF shall be set to one for this page code would mandate that all Extended mode pages use the sub\_page format.

Quantum 31) No title assigned yet (Unprocessed) [1551]  
PDF Pg 334 7.4.10, 1st P, 2nd S

It is unclear why reserving subpage code 0 causes all mode pages to use the sub\_page format. Indicating that SPF shall be set to one for this page code would mandate that all Extended Device-Type Specific mode pages use the sub\_page format.

Quantum 32) No title assigned yet (Unprocessed) [1552]  
PDF Pg 337 Table 322

This table is identical to table 306. Remove the table and change the reference to table 306.



## 10. Sun Microsystems, Inc.

Charles Binford from Sun Microsystems, Inc. submitted the following comments on a Yes vote.

Sun 1) No title assigned yet (Unprocessed) [1553]  
Page 32, 4.5.2.4.1, 1st paragraph

Sentence missing the word 'on'. The text 'specific data depends the value...' s.b. 'specific data depends on the value...!'

Sun 2) No title assigned yet (Unprocessed) [1554]  
Page 56, 5.3, last sentence

The sentence 'An application client should not send a command with the ORDERED task attribute if the command may be processed as if it has a task attribute of HEAD OF QUEUE because whether the ORDERED task attribute is honored is vendor specific.' implies that general honoring of ORDERED task attribute is vendor specific. I believe the vendor specific honoring (or not) of ORDERED task is limited to the two commands listed in this section. I suggest the phrase 'for these commands' be inserted into the sentence as follows:

'An application client should not send a command with the ORDERED task attribute if the command may be processed as if it has a task attribute of HEAD OF QUEUE because whether the ORDERED task attribute is honored for these commands is vendor specific.'

Sun 3) No title assigned yet (Unprocessed) [1555]  
Page 64, Table 32, Register and Move row

Thus in table 32 the 'Allowed' in the entry for the Register and Move row, first column should be 'Conflict'. (note, the resolution of SUN 4 may override this comment)

Sun 4) No title assigned yet (Unprocessed) [1556]  
Pages 71-72, 5.6.7, and Page 64, Table 32

It is unclear whether or not a Register and Move action is restricted to only the reservation holder. Table 32, Register and Move row says this service action is 'Allowed' from a registered I\_T nexus that is not the reservation holder. However, the sentence in 5.6.7, item f) 'Release the persistent reservation for the persistent reservation holder (i.e. the I\_T nexus on which the command was received)' indicates to me that a Register and Move action can only be performed by the reservation holder.

There is text in 5.6.7 that clearly states that Register and Move does not work if the reservation type is All Registrants. It is silent on the reservation type of Registrants Only. If Register and Move is valid with a reservation type of Registrants Only, then the next question is whether or not the I\_T nexus sending the Register and Move has to be the Reservation Holder or merely registered.

Proposed Solution:

Add a paragraph (it would fit well with the text at the bottom of page 71) that clearly states the rules for Register and Move with a Registrants Only reservation. Ensure table 32 and item f) on page 72 match.

Sun 5) No title assigned yet (Unprocessed) [1557]  
Page 72, 5.6.7, a) - h) list of actions

Several items in this list of actions refer to the 'reservation key'. Since the PR-OUT parameter list contains both a Reservation Key and a Service Action Reservation Key this list needs to be more specific about which key it is

referring to (this is especially confusing when the reader cross references table 36 when reading this section). I believe that in c), d), and e) the text is really referring to the Service Action Reservation Key, not the Reservation Key as stated.

Add the phrase 'service action' to the appropriate items.

Sun 6) No title assigned yet (Unprocessed) [1558]  
Page 79, 5.6.10.4.4, last paragraph of section

The 'It is not an error' paragraph needs to state clearly whether or not the registration is removed when an initiator preempts itself and it is not the reservation holder. This point is confusing because in the previous section (5.6.10.4.3) there is an exception to the rule that the preempt removes the registrations matched by the SA Key (see first paragraph at top of page 79).

I suggest appending the sentence: 'The registration is removed.'

Sun 7) No title assigned yet (Unprocessed) [1559]  
Page 79, 5.6.10.5

In a) A) and a) B) (bottom of page 79) there are several places where 'initiator ports' should be replaced with 'I\_T nexus' per the general direction established by document T10/04-088.

Sun 8) No title assigned yet (Unprocessed) [1560]  
Page 79, 5.6.10.5

In a) A), a) B), and c) the phrase 'the persistent reservation being preempted' is used. All of these rules apply even if the I\_T nexus being aborted is not the reservation holder - in which case a 'reservation' is not being preempted, but a registration is being removed. I'd suggest changing 'the persistent reservation being preempted' to 'the persistent reservation or registration being preempted'

Sun 9) No title assigned yet (Unprocessed) [1561]  
Page 80, 5.6.10.5

In both item e) and in the last sentence of the section (middle of page 80) there seems to be an assumption that when the reservation type is all registrants, then the Preempt service action reservation key is 0. Per the flow chart in figure 3, one can preempt and specific (non-zero) registration when the reservation type is all registrants. Both of these sentences need 'and the service action reservation key is 0' added as follows:

'e) If the persistent reservation is an all registrants type and the service action reservation key is 0, then the device server shall clear any ACA condition and shall clear any tasks with an ACA attribute; and'

'If an all registrants persistent reservation is present and the service action reservation key in the PREEMPT AND ABORT parameter data is 0, the device server shall abort all tasks for all registered I\_T nexuses.'

Sun 10) No title assigned yet (Unprocessed) [1562]  
Page 81, 5.7, item e)

'Reservations' are not defined in either SPC-3 or SAM-3 and should be removed from this list.

Sun 11) No title assigned yet (Unprocessed) [1563]  
Pages 154-155, 6.5

In the paragraph that splits pages 154 and 155 the references to 'initiators' needs to be changed to I\_T nexus as follows (2 places, changed text marked with \*'s):

'The SCSI target device may provide independent sets of log parameters for each logical unit or for each combination of logical units and \*I\_T nexuses\*. If the SCSI target device does not support independent sets of log parameters and any log parameters are changed that affect other \*I\_T nexuses\*, then the device server shall generate a unit attention condition for the initiator port associated with each I\_T nexus except the I\_T nexus on which the LOG SELECT command was received (see SAM-3), with the additional sense code set to LOG PARAMETERS CHANGED.'

Sun 12) No title assigned yet (Unprocessed) [1564]  
Page 157, 6.7,

Associated with the changes in T10/04-088 make the 3 following changes:

1. remove the 'Per initiator port' row of Table 93
2. strike 'all initiator ports and' from first sentence following table 92

'Logical units shall share mode parameter header and block descriptor values across all <deleted text> I\_T nexuses.'

3. strike 'initiator ports' from the second to last paragraph on the page

'If an application client sends a MODE SELECT command that changes any parameters applying to other <deleted text> I\_T nexuses, the device server shall generate a unit attention condition for the initiator port associated with all I\_T nexuses except the I\_T nexus on which the MODE SELECT command was received (see SAM-3), with the additional sense code set to MODE PARAMETERS CHANGED.'

Sun 13) No title assigned yet (Unprocessed) [1565]  
Page 175, 6.12.3

The last sentence on the page is no longer accurate with the new Register and Move service action:

'The SERVICE ACTION RESERVATION KEY field is ignored for all other service actions.'

This is the section describing the \*Basic\* parameter list, and Register and Move action is described later, but I still think the above sentence needs to be softened. Also, it may be appropriate to add a note to see 6.12.4 where the Register and Move is described.

Sun 14) No title assigned yet (Unprocessed) [1566]  
Page 177-178, 6.12.3, Table 114

Similar to the previous comment - with the addition of Register and Move this table no longer covers all service actions as claimed by the sentence preceding table 114.

The editor may choose to fix this in another manner, but I'd suggest added Register and Move to table 114 with <not applicable> applied to the cells when the field does not exist in the R&M parameter list.

Alternatively, the sentence preceding table 114 could be changed to state that it only applies to service actions that use the basic parameter format.

Sun 15) No title assigned yet (Unprocessed) [1567]  
Page 206, 6.21

The second paragraph from the top of the page has two instances where 'initiator port' should be 'I\_T nexus'. (Changes marked with \*'s)

'If a REPORT LUNS command is received from an \*I\_T nexus\* with a pending unit attention condition (i.e., before the device server reports CHECK CONDITION status), the device server shall perform the REPORT LUNS command. If the unit attention condition was established because of a change in the logical unit inventory, that unit attention condition shall be cleared for that \*I\_T nexus\* by the REPORT LUNS command. Unit attention conditions established for other reasons shall not be cleared by the REPORT LUNS command (see SAM-3).'

Sun 16) No title assigned yet (Unprocessed) [1568]  
Page 206, 6.21

The paragraph 2 in front of table 147, starting 'The processing of a REPORT LUNS command...' expanding on the same theme as the last half of the second paragraph on the page(referenced in previous comment). I suggest either combing the paragraphs into one, or moving this paragraph up to immediately following the 'If a REPORT LUNS command is received from...' paragraph.

Sun 17) No title assigned yet (Unprocessed) [1569]  
Page 207-208, 6.22

Multiple places in this command description the term I\_T\_L nexus is used. I believe they should all be changed to I\_T nexus for the following reasons:

1. consistency with rest of the document
2. it adds confusion

One might argue against my point 2 claiming that I\_T\_L is more specific then I\_T, thus it is clearer. However, consider table 149, code 01b row. It says 'The priority for each I\_T\_L nexsus... shall be reported.' To me that says I should report the priority for each \*lun\* as well as each I\_T nexus. Clearly that is not the case (the parameter list does not include a LUN field). I think it would be much clearer if the text only said I\_T nexus and the LU was left implied as it is in the rest of the document.

This comment also applies to: 6.28, pages 223-225, and 7.4.7, page 285 (last paragraph of section).

Sun 18) No title assigned yet (Unprocessed) [1570]  
Page 214, 6.24

The TARGET RESET paragraph references SAM-3. TARGET RESET was removed from SAM-3. Need to refer back to older version.

Sun 19) No title assigned yet (Unprocessed) [1571]  
Page 217, 6.25

The sentence/paragraph describing the TARGET PORT GROUP field (2 in front of table 164)should refer to the Inquiry VPD identifier as is done in the paragraph describing the RELATIVE TARGET PORT (e.g. see 7.6.4)

Sun 20) No title assigned yet (Unprocessed) [1572]  
Page 217, 6.25, table 164

The rows for values 01h and 02h both use the phrase 'access state changed by'. I find the connotations of the term 'changed' a bit confusing in this context. Maybe it is just me, but I find myself thinking it implies some time limit on the status. I like 'determined' or 'set' better.

Sun 21) No title assigned yet (Unprocessed) [1573]  
Page 219, 6.26

Third paragraph from top of page needs 'initiator port' changed to 'I\_T nexus'.

'If a REQUEST SENSE command is received from an \*I\_T nexus\* with a pending unit attention condition...'

Sun 22) No title assigned yet (Unprocessed) [1574]  
Page 280, 7.4.6

Consistent with comment SUN 12 - remove 'per initiator port' and change 'initiator port' to I\_T nexus from the first paragraph and the last two paragraphs on the page as follows:

(first paragraph) 'The mode page policy (see 6.7) for this mode page shall be shared, <deleted text> or per I\_T nexus'

(last two paragraphs on page) \*Even\* if the mode page policy for this mode page is <deleted text> per-I\_T nexus, the TST field, if changeable, shall reflect in the mode pages for all \*I\_T nexuses\* the state selected by the most recent MODE SELECT from any \*I\_T nexus\* (i.e., the TST field is always shared). If the most recent MODE SELECT changes the setting of this field, then the device server shall establish a unit attention condition for the initiator port associated with all I\_T nexuses except the I\_T nexus on which the MODE SELECT command was received (see SAM-3), with the additional sense code set to MODE PARAMETERS CHANGED.

The allow task management functions only (TMF\_ONLY) bit set to zero specifies tasks with a task attribute of ACA may be sent from the faulted \*I\_T nexus\* when an ACA condition has been established (see SAM-3). A TMF\_ONLY bit set to one specifies that all tasks sent from the faulted \*I\_T nexus\* when an ACA condition has been established shall be terminated with an ACA ACTIVE status.

Sun 23) No title assigned yet (Unprocessed) [1575]  
Page 280, 7.4.6

I believe the last paragraph on the page (TMF\_ONLY paragraph) needs an introduction sentence to help set the stage for the TMF\_ONLY bit. I'd suggest something like:

'The TMF\_ONLY bit controls whether new tasks can be created while a logical unit is in ACA or only task management functions are allowed.'

Sun 24) No title assigned yet (Unprocessed) [1576]  
Page 280, Table 240

Table rows should be changed as follows:

000b The logical unit maintains one task set for all \*I\_T nexuses\*  
001b The logical unit maintains separate task sets for each \*I\_T nexus\*

Sun 25) No title assigned yet (Unprocessed) [1577]  
Page 282, 7.4.6

First paragraph at top of page - change 'initiator port' to 'I\_T nexus'.

'If the TST field equals 001b, then only tasks from the \*same I\_T nexus\* as the task that is terminated with CHECK CONDITION status are affected.'

Sun 26) No title assigned yet (Unprocessed) [1578]  
Page 282, 7.4.6, table 242

I think it would clarify the interaction of TST with QErr if there was a note stating that when TST=001b, the behavior of QErr=01b and QErr=11b are the same.

Sun 27) No title assigned yet (Unprocessed) [1579]  
Page 288, 7.4.9 & 7.4.10

These two sections both say 'Subpage code 00h is reserved, therefore all Extended <xxx> pages use the sub\_page format.' I'm not following and need more info. What does subpage code 00 being reserved have to do with saying extended mode page have to use the sub\_page format?

Sun 28) No title assigned yet (Unprocessed) [1580]  
Page 289, 7.4.11

Remove 'per initiator port' from last sentence of first paragraph of page/section.

Sun 29) No title assigned yet (Unprocessed) [1581]  
Page 330, 7.6.4.11.2

This section is clear about the relative port descriptor, but it is not clear to me the if a port name id descriptor is required or a 'should', or a 'may' exist. It says the descriptor 'shall' have an association value of 1, but it never says if the descriptor needs to be present.

Sun 30) No title assigned yet (Unprocessed) [1582]  
Page 335, Table 319

Remove 10b - 'Per initiator port' row from table.

Sun 31) No title assigned yet (Unprocessed) [1583]  
Page 340, 7.6.11

Last paragraph on page says to 'right-align' the serial number. I think it should be 'left-aligned'.

## 11. Veritas Software

Roger Cummings from Veritas Software submitted the following comments on a No vote.

Veritas 1) No title assigned yet (Unprocessed) [1584]  
PDF pg 48, pg 2, Figure 1

Label in Shared Command Set box does not match the text

Proposed Solution:

Label box "Shared Command Sets (for all device types)"

Veritas 2) No title assigned yet (Unprocessed) [1585]  
PDF pg 52, pg 6, 2.4 IETF References

The IETF regards RFC 790 as obsolete. The latest RFC that covers the fields of interest in section 7.5.2.45 is RFC1700. RFC3232 defines the fact that RFC1700 is replaced by an online database.

Proposed Solution:

Replace the RFC790 reference by:

"RFC 1700 Assigned Numbers" "RFC 3232 Assigned Numbers: RFC 1700 is Replaced by an On-line Database."

"NOTE xx The latest information on Assigned Number can be found at the Internet Assigned Numbers Authority Web Site at <http://www.iana.org/numbers.html>"

Veritas 3) No title assigned yet (Unprocessed) [1586]  
PDF pg 52, pg 6, 2.4 IETF References

While the reference to RFC 1035 is probably still correct, there are two additional references that would be useful - RFC 1591 and the IANA main page on Domain Addresses.

Proposed Solution:

1) Add "RFC 1591, Domain Name System Structure and Delegation.

2) Add "NOTE xx The latest information on domain names can be found at the Internet Assigned Numbers Authority Web Site at <http://www.iana.org/domain-names.htm>."

Veritas 4) No title assigned yet (Unprocessed) [1587]  
PDF pg 52, pg 6, 2.4 IETF References

Update reference to iSCSI with RFC number

Proposed Solution:

"RFC 3720, Internet Small Computer Systems Interface (iSCSI)"

Veritas 5) No title assigned yet (Unprocessed) [1588]  
PDF pg 53, pg 7, 3.1.13 Blocked Task

Definition format inconsistent with others

Proposed Solution:

Replace "A blocked task" by "A task"

Veritas 6) No title assigned yet (Unprocessed) [1589]  
PDF pg 55, pg 9, 3.1.37 Host

Two instances of "or" in a list

Proposed Solution:

"A SCSI device with the characteristics of a primary computing device, typically a personal computer, workstation, minicomputer, or mainframe computer, or a auxiliary computing device or a server."

Veritas 7) No title assigned yet (Unprocessed) [1590]  
PDF pg 57, pg 11, 3.1.77 request for comment

Correctly capitalize body name

Proposed Solution:

"The name given to standards developed by the Internet Engineering Task Force (IETF) (see 2.4)"

Veritas 8) No title assigned yet (Unprocessed) [1591]  
PDF pg 60, pg 14, 3.2 Acronyms

incorrect clause reference

Proposed Solution:

"ASCII American Standard Code for Information Interchange (see 2.2)

Veritas 9) No title assigned yet (Unprocessed) [1592]  
PDF pg 60, pg 14, 3.2 Acronyms

Add clause reference

Proposed Solution:

"IETF Internet Engineering Task Force (see 2.4)

Veritas 10) No title assigned yet (Unprocessed) [1593]  
PDF pg 60, pg 14, 3.2 Acronyms

Add SSC-3 to acronym list (occurs in 6 places)

Proposed Solution:

"SSC-3 SCSI Stream Commands -3 (see clause 1)"



Veritas 11) No title assigned yet (Unprocessed) [1594]

PDF pg 73, pg 27, 4.4.2 Null data field termination and zero padding requirements

UTF-8 needs to be added to the list of acronyms and a reference standard identified

Proposed Solution:

Add to 3.2 "UTF-8 A character set defined by a transformation format of the Universal Character Set" Add to 2.4 "RFC 2279, UTF-8, a transformation format of ISO 10646"

Veritas 12) No title assigned yet (Unprocessed) [1595]

PDF pg 102, pg 56, 5.2.1 Summary of commands implemented by all SCSI device servers

The contents of this paragraph are inconsistent with Table 42 in 6.1

Proposed Solution:

"This standard defines three commands that all SCSI device servers shall implement - INQUIRY, REPORT LUNS, and TEST UNIT READY."

Veritas 13) No title assigned yet (Unprocessed) [1596]

PDF pg 108, pg 62, 2nd paragraph from top of page

Is SPC-3 a command standard? By the definition in 3.1.18 it seems not and therefore this text is incorrect.

Proposed Solution:

"For each command, this standard or a command standard (see 3.1.18) defines the..."

Veritas 14) No title assigned yet (Unprocessed) [1597]

PDF pg 108, pg 62, Table 31

The handling of MODE SENSE and LOG SENSE in this table is completely different, and this difference has been the subject of many questions from developers. VERITAS has understood that the reason that MODE SENSE generates Conflict is that reading some Mode Pages have side effects, but this is even more true of Log Pages. We have experienced issues in some field configurations where over-zealous OS drivers read log pages of unreserved devices and thereby applications with reserved access to miss seeing vital information (e.g. in TapeAlert pages where information is cleared after a read).

Proposed Solution:

1) Change Table 31 to note that the present behavior defined for LOG SENSE is the default behavior, but that the command set standards are allowed to diverge from this default behavior.

2) Document in a new paragraph in 5.6.1 the reason for the difference in handling of MODE SENSE and LOG SENSE.

Veritas 15) No title assigned yet (Unprocessed) [1598]

PDF pg 109, pg 63, Table 31

VERITAS understands that the behavior of TEST UNIT READY defined in Table 31 reflects common industry practice. However the behavior change reflected in SPC-3 has removed a useful feature from the SCSI command

sets, namely a command (that is mandatory for all devices and that does not require the provision of a data buffer) that can be used to check for the existence of a reservation or persistent reservation at a Logical Unit.

Proposed Solution:

- 1) Determine a replacement command for TEST UNIT READY to test for the existence of a reservation or persistent reservation;
- 2) Add that command to the mandatory list in 5.2.1 and 6.1;
- 3) Add a paragraph to 5.6.1 documenting how this test is performed.

Veritas 16) No title assigned yet (Unprocessed) [1599]  
PDF pg 109, pg 63, Table 31

Several times implementers have been confused by the fact that READ and WRITE do not appear in this table

Proposed Solution:

Add one line each for READ and WRITE with text across all of the columns (as for RESERVE and RELEASE) with the words "defined in command set standards".

Veritas 17) No title assigned yet (Unprocessed) [1600]  
PDF pg 111, pg 65, Note 10

As this is the 1st occurrence of LU\_SCOPE in the draft, add a reference to its definition.

Proposed Solution:

"NOTE 10 - The scope of a persistent reservation is always LU\_SCOPE (see 6.11.3.3)."

Veritas 18) No title assigned yet (Unprocessed) [1601]  
PDF pg 116, pg 70, Table 35

The definition of the ALL\_TG\_PT bit does not address the impact of this bit upon a SCSI device that contains hierarchical Logical Units as defined in SAM-3, or the situation where a multiple port bridge device is reporting "proxy" logical units for devices behind it that also have multiple ports.

Proposed Solution:

Add new wording in concert with changes to section 6.12.2 below. A reference to section 5.7 is also in order.

Veritas 19) No title assigned yet (Unprocessed) [1602]  
PDF pg 134, pg 88, Table 39

Add references in this table to the condition definitions

Proposed Solution:

"While in the active power condition (see 3.1.5):"  
"While in the idle power condition (see 3.1.42):"  
"While in the standby power condition (see 3.1.99):"

Veritas 20) No title assigned yet (Unprocessed) [1603]  
PDF pg 139, pg 93, Table 42

Amend Note b to reference the MAINTENANCE OUT and MAINTENANCE In commands referenced throughout the draft.

Proposed Solution:

"b This command is defined by a combination of operation code and service action. The operation code value is shown preceding the slash and the service action value is shown after the slash. Operation Code A4 references the MAINTENANCE OUT command. Operation Code A3 references the MAINTENANCE IN command. "

Veritas 21) No title assigned yet (Unprocessed) [1604]  
PDF pg 139, pg 93, Table 42

Several times implementers have been confused by the fact that READ and WRITE do not appear in this table, especially as READ ELEMENT STATUS ATTACHED is included

Proposed Solution:

Add one line each for READ and WRITE with the reference "command set standards".

Veritas 22) No title assigned yet (Unprocessed) [1605]  
PDF pg 201, pg 155, 6.5 LOG SELECT

The last paragraph of this section is the ONLY place in the draft where a reference to an annex is qualified by its type.

Proposed Solution:

"Additional information about the LOG SELECT command may be found in Annex C."

Veritas 23) No title assigned yet (Unprocessed) [1606]  
PDF pg 222, pg 176, last paragraph

The definition of the ALL\_TG\_PT bit does not address the impact of this bit upon a SCSI device that contains hierarchical Logical Units as defined in SAM-3, or the situation where a multiple port bridge device is reporting "proxy" logical units for devices behind it that also have multiple ports.

Proposed Solution:

Add new wording in concert with changes to section 5.6.6 above.

Veritas 24) No title assigned yet (Unprocessed) [1607]  
PDF pg 346, pg 300, 7.5.2.4.2 iSCSI name alias entry designation

Update reference to iSCSI

Proposed Solution:

Replace "(see draft-ietf-ips-iscsi-16.txt)" by "(See RFC 3720)"

Veritas 25) No title assigned yet (Unprocessed) [1608]

PDF pg 346, pg 300, 7.5.2.4.3 iSCSI name with binary IPv4 address alias entry designation

Update references to iSCSI and RFC 790

Proposed Solution:

Replace "(see draft-ietf-ips-iscsi-16.txt)" by "(See RFC 3720)" Replace two instances of "(see RFC 790)" by "(see RFC 3232)"

Veritas 26) No title assigned yet (Unprocessed) [1609]

PDF pg 347, pg 301, 7.5.2.4.4 iSCSI name with IPName alias entry designation

Update references to iSCSI and RFC 790

Proposed Solution:

Replace "(see draft-ietf-ips-iscsi-16.txt)" by "(See RFC 3720)" Replace two instances of "(see RFC 790)" by "(see RFC 3232)"

Veritas 27) No title assigned yet (Unprocessed) [1610]

PDF pg 348, pg 302, 7.5.2.4.3 iSCSI name with binary IPv6 address alias entry designation

Update references to iSCSI and RFC 790

Proposed Solution:

Replace "(see draft-ietf-ips-iscsi-16.txt)" by "(See RFC 3720)"

Replace two instances of "(see RFC 790)" by "(see RFC 3232)"