# ENDL
# TEXAS

Date: 9 November 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.

r1 Resolved editorial 'theme' comments (i.e., comments where a single change like "red should be blue" is requested in multiple comments) that do not significantly affect the pagination of the main body of the document. Most notable among the 'theme' comments were those related to the usage of 'specifies' and 'indicates'. To the best of the editor's knowledge, all 'specifies' vs 'indicates' changes that are going to be made have been made and results can be inspected in the files supporting r1 of the comment resolution. Provided title for every comment. Identified those comments needing discussion by T10.

## Issues to be discussed by T10

The topics listed in blue in the Unresolved Comments List (see page 18) need to be discussed by T10, in the CAP working group or the SPC-3 Letter Ballot comments resolution meeting.

The following comments should be discussed in CAP because they apparently concern tape issues:

Brocade 33) Change the definition of several MAM fields
HP 255) How does MAM work in 'partial load' state?
HP 127) Delete requirements that belong in SMC-2
IBM 36) No such thing as 'partition volume'

The TAS bit definition is a mess and needs to be sorted out by CAP:

HP 390) Keep tas bit where it is
Maxtor 205) Remove tas bit
Maxtor 206) Remove tas bit
Maxtor 207) Remove tas bit

The following comments should be discussed in CAP because of the significance of the changes being proposed:

Intel 1) Reduce usage of 'identifier' in Device Identification VPD page
IBM 15) Reduce usage of 'identifier' in Device Identification VPD page
HP 110) Remove Multiple port subclause
IBM 27) SCSI device names should be really world wide unique
IBM 29) SCSI port names should be really world wide unique
IBM 191) Expunge relative port identifier

The following comments should be discussed in CAP as a courtesy to those that might be adversely affected by the proposed changes:

Dell 23) No indication for TARGET RESET support
Dell 24) No indication for WAKEUP support
ENDL 5) Assign peripheral device type code 10h to BCC
Brocade 22) Allow page code to be ignored if evpd bit is set to zero
Brocade 23) INQUIRY data initialization window
HP 31) SCSI-2 use of CDB for LUN field
HP 70) 'last command' s/b 'command'
HP 161) Remove linkage between HiSup bit an REPORT LUNS support
HP 203) Mode page issue for RBC/SBP-3 devices
HP 275) REPORT LUNS changes
IBM 187) Change REPORT LUNS requirements
IBM 188) Clearing REPORTED LUNS DATA HAS CHANGED unit attention
Sun 16) REPORT LUNS changes
HP 373) Can vendor specific data follow mode pages in the parameter data?
HP 381) Can the logical unit short-sheet any mode page it wants?
HP 461) Obsolete the ASCII Implemented Operating Definition VPD page
HP 503) 'should' s/b 'shall'
IBM 186) Delete note that has been forgotten by the EXTENDED COPY world
Maxtor 31) How to handle sense data valid bit set to zero?
Maxtor 209) Disconnect-Reconnect unit attentions
Quantum 1) Move transfer length definition to SBC-2
HP 360) 'Bus' s/b 'Service delivery subsystem'
HP 360) 'Bus' s/b 'Service delivery subsystem'

The following comments are important to discuss in CAP because they attempt to complete the changes for initiator port to I_T nexus:

HP 341) 'initiator port(s)' s/b 'I_T nexus(es)'
HP 384) 'initiator port(s)' s/b 'I_T nexus(es)'
HP 385) 'initiator port(s)' s/b 'I_T nexus(es)'
HP 398) 'initiator port(s)' s/b 'I_T nexus(es)'
Sun 7) 'initiator port' s/b 'I_T nexus'
Sun 11) 'initiator port' s/b 'I_T nexus'
Sun 15) 'initiator port' s/b 'I_T nexus'
Sun 17) 'I_T_L nexus' s/b 'I_T nexus'
Sun 21) 'initiator port' s/b 'I_T nexus'
Sun 25) 'initiator port' s/b 'I_T nexus'

The following comments affect Persistent Reservations and should be discussed in CAP:

HP 85) PR Registration changes
HP 86) PR Registration changes
HP 91) PR Registration changes
HP 92) PR Registration changes
HP 93) PR Registration changes
HP 94) PR Registration changes
HP 96) PR MOVE to registered port
HP 97) PR MOVE & All Registrants
HP 98) PR MOVE registration step
HP 99) PR MOVE unit attention
HP 101) PR scope changes
HP 105) PR addition
HP 204) Increase allocation length in PERSISTENT RESERVE IN

HP 215) Increase PERSISTENT RESERVE OUT parameter list length
HP 217) Key to be registered definition
HP 532) Explain the unreg bit in PR<->Reserve/Release annex step 5
IBM 56) Remove note to committee
IBM 58) Reservation holder rewrite
IBM 59) Released persistent reservations
IBM 60) Released persistent reservations
IBM 61) Released persistent reservations
IBM 63) Released persistent reservations
Quantum 7) Remove part of persistent reservations description
Quantum 9) Modify persistent reservations overview
Quantum 13) Replace redundant persistent reservations paragraphs with cross reference
Quantum 14) Delete redundant persistent reservations sentence
Sun 4) Should REGISTER AND MOVE be restricted to reservation holder?
Sun 5) Which reservation key?
Sun 6) Reservation preempting question
Sun 8) 'reservation being preempted' s/b 'reservation or registration being preempted'
Sun 9) All Registrants question
Veritas 14) RESERVATION CONFLICT with MODE SENSE and LOG SENSE
Veritas 15) RESERVATION CONFLICT with TEST UNIT READY
Veritas 16) RESERVATION CONFLICT with READ and WRITE
Veritas 18) all_tg_pt and hierarchical logical units
Veritas 21) Add READ and WRITE commands to SPC-3

The following comments affect Asymmetric Logical Units support and should be discussed in CAP:

HP 118) Asymmetric logical unit rewrite
HP 119) Asymmetric logical unit rewrite
HP 120) Asymmetric logical unit rewrite
HP 121) Asymmetric logical unit rewrite
Sun 20) REPORT TARGET PORT GROUPS rewording

The following comments affect power management support and should be discussed in CAP:

HP 301) Change ASC returned by REQUEST SENSE for power conditions
HP 302) Power conditions question
Maxtor 2) Rewrite 'active condition' definition
Maxtor 8) Rewrite 'idle condition' definition

## FDF Files and SPC-3 r21x revisions

The following revisions have an associated .FDF file that may be **imported into the spc3r21.pdf** file and an spc3r21x file to show what changes have been accepted in the associated revision of this document for inclusion in SPC-3 r22 (the SPC-3 revision resolving the Letter Ballot comments):

    03-355r1        03-355r1.fdf            spc3r21a.pdf

## 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 Comm. | 32 | | | | | 4 | | 36 |
| Dell Inc. | 65 | | | 3 | | 7 | 2 | 77 |
| ENDL Texas | 17 | | | 1 | | | | 18 |
| Hewlett Packard Co. | 439 | | | 113 | 9 | 35 | 3 | 599 |
| IBM Corp. | 413 | | | 52 | 16 | 18 | 3 | 502 |
| Intel Corp. | 1 | | | | | | | 1 |
| LSI Logic Corp. | 1 | | | | | | | 1 |
| Maxtor Corp. | 118 | | | 119 | 30 | 10 | 9 | 286 |
| Quantum Corp. | 26 | | | | | 5 | 1 | 32 |
| Sun Microsystems | 30 | | | | | 1 | | 31 |
| Veritas Software | 23 | | | 1 | 2 | 1 | | 27 |
| Late Comments | 1 | | | | | | | 1 |
| Total | 1166 | 0 | 0 | 289 | 57 | 81 | 18 | 1611 |

## Unprocessed Comments List

**Unprocessed Comments List (continued)**

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

IBM 40) Add fixed bit values to format tables . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 148
IBM 41) Add fixed bit values to format tables . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 148
IBM 42) Add fixed bit values to format tables . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 148
IBM 44) Add fixed bit values to format tables . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 148
IBM 45) 'cannot' s/b 'is not able to' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 148
IBM 46) Dash s/b semicolon . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 47) Commas, not parentheses . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 48) Insert 'i.e.,' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 49) Colon s/b semicolon . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 50) Create new A,B,C list level . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 51) Rewrite sentence to eliminate colon . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 53) Add 'i.e.,' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149
IBM 54) 'twenty' s/b '20' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 150
IBM 55) 'PERSISTENT RESERVATION OUT' s/b 'PERSISTENT RESERVE OUT' . . . . . . . . . . . . . . . . . . . . . . 150
IBM 57) 'and' s/b 'with a' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 150
IBM 62) Insert 'type' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 151
IBM 64) Insert 'type' yet . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 151
IBM 65) Add SAM-3 reference . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 151
IBM 68) Add 'i.e.,' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 152
IBM 69) 'with' s/b 'and' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 152
IBM 70) Add 'i.e.,' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 152
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IBM 84) 'would be' s/b 'is' . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 153
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IBM 99) Remove quotation marks . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 155
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## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unprocessed Comments List (continued)

## Unresolved Comments List

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Unresolved Comments List (continued)

## Rejected Comments List

## Rejected Comments List (continued)

## Comments With Implemenation Deferred to SAM-4

**<u>Substantive Comments</u> Accepted As Proposed**

**<u>Substantive Comments</u> Accepted As Proposed**

**<u>Substantive Comments</u> Accepted With Noted Changes**

## Accepted As Proposed Non-Substantive Comments List

## Accepted As Proposed Non-Substantive Comments List (continued)

**Accepted As Proposed Non-Substantive Comments List (continued)**

## Accepted As Proposed Non-Substantive Comments List (continued)

## Accepted As Proposed Non-Substantive Comments List (continued)

## Accepted As Proposed Non-Substantive Comments List (continued)

## Accepted With Noted Changes Non-Substantive Comments List

## Accepted With Noted Changes Non-Substantive Comments List (continued)

## No Action Requested, No Action Taken Comments List

# 1. Brocade Communications

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

**Brocade 1) Remove examples of SCSI standards (Rejected)** [1]
       Pg 2, Clause 1

Why do all these examples of SCSI structure have to be in these docments. 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.

**Reason for Rejection:** The examples are part of how the SPC-3 editor ensures that the version descriptors list is up-to-date and complete. As long as T10 insists on maintaining the version descriptors list in SPC-x, this list will appear in SPC-x too.

## Brocade 2) Update definition of 'byte' (Unresolved) [2]
       The author marked this comment as technical.
       Pg 7, Clause 3.1.14
       See also comment HP 7)

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) Eliminate synonyms for OUI (Unresolved) [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).

**Editor's Note:** The editor is under the impression that, in the past, the committee felt that providing all the synonyms for OUI assisted readers who might encounter one but not all of them.

## Brocade 4) Eliminate SCSI initiator (target) port (Unresolved) [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) Remove ordered tasks from the list of those affect by implicit head of queue (Rejected)** [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."

**Reason for Rejection:** The only change made by the proposed text is to remove tasks with the SIMPLE task attribute from the list in the first paragraph. Such a change has several problems.

- It would cause SPC-3 to conflict with approved standard SAM-3 (see 8.2).
- It would cause the first paragraph (written from the target's point of view) to conflict with the second paragraph (written from the application client's point of view) because the former would not mention ordered tasks while the latter still does.
- It would violate the intention of T10 (represented in approved document 04-310r1) that ordered tasks be affected by the implicit head of queue feature.

Brocade 6) Delete 'SCSI device identifier' glossary entry (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) Eliminate last two uses of 'SCSI Identifier' (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…".

**Editor's Note:** Presumably, the intent is that subclause 3.1.85 be deleted, not 3.1.82.

**Brocade 8) Remove 'SCSI Ports VPD page' glossary entry (Rejected)** [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.

**Reason for Rejection:** The definition is present to assist with references to SPC-3 from other standards. If another standard contains a phrase such as "…SCSI Ports VPD page (see SPC-3)", then SPC-3 should contain a glossary entry for that text.

## Brocade 9) Rewrite 'target port asymmetric access state' definition (Unresolved) [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) 'third-party' s/b 'third party' (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) Rewrite 'third-party' definition (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) Rewrite of 'be ignored' (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 cluases 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) Rewrite of 'be ignored' (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) Change 'ignored' keyword (Unresolved) [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) Rewrite a,b,c 1,2,3 list conventions (Unresolved) [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 ordeing 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) Fixup 'Notation for byte encoded character strings' (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) Two rules for responding to reserved operation codes (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) Expunge 'determinate' (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) Rewrite operation code meaning (Unresolved) [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) Common definition of zero parameter list length, and allocation length (Unresolved) [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) ASCII character encoding requirements (Unresolved) [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) Allow page code to be ignored if EVPD bit is set to zero (Unresolved) [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)."

**Editor's Note:** The current text reads:

> If the EVPD bit is set to zero, the device server shall return the standard INQUIRY data (see 6.4.2). If the PAGE CODE field is not set to zero when the EVPD bit is set to zero, 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.

## Brocade 23) INQUIRY data initialization window (Unresolved) [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) 'should' s/b 'may' in MODE SENSE before MODE SELECT (Unresolved) [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) 'a' s/b 'an' & 'terminate' s/b 'terminating' (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) Reserved field checking in mode parameters is inconsistent (Unresolved) [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.

**Editor's Note:** The text in question is:

   e) If the application client sets any reserved field in the mode parameter list to a non-zero value.

## Brocade 27) 'should' s/b 'shall' (Unresolved) [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) Rewrite current mode page value requirements (Unresolved) [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."

**Editor's Note:** The current text reads 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 may return either the default or saved values, as defined above. If current values have been sent, the current values shall be reported.

Brocade 29) Rewrite binary names table (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) Add required bit values in REPORT SUPPORT TASK MANAGEMENT FUNCTIONS (Unresolved) [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 therefor would not have to have this bit defined. CLEAR ACA could conceivably be unsupported if the ACA function were not supported. Similary 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) 'should' s/b 'may' in READ ATTRIBUTE before WRITE (Unresolved) [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) Rewrite download and save description (Unresolved) [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 down-load 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) Change the definition of several MAM fields (Unresolved) [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."

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It is for this reason that the table described in problem 28 (aka Brocade 29) should be included in clause 3.4.

**Editor's Note:** Table 224 is correct. The format column refers to the format of the attribute as defined in table 222. However, the changing of the attribute value definitions is still an open question in r1 of this comments response document.

### Brocade 34) 'subpage' s/b 'page code extension' (Unresolved) [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) Where are mode page sub-page codes registered? (Rejected) [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.

**Reason for Rejection:** The requested registry already exists in table D.12, which remarkably enough is the same place where the registry of mode page codes is maintained.

### Brocade 36) Incorporate new iSCSI variants (Unresolved) [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.

**Editor's Note:** IETF IPS co-chair David Black has provided the following thoughts regarding this comment:

    iSER = iSCSI Extensions for RDMA. At the SPC level, it should not be a new SCSI protocol. DA is an archi-
    tecture document, it's not a protocol. If the uses of Protocol Identifier need to distinguish iSCSI w/iSER from

iSCSI without iSER, I think the onus is on the commenter to provide specific uses/justification for the new value. This is a relatively scarce resource, as only 15 values appear to be possible, so the bias should be against defining new values (e.g., a new value to separate RDMA over IB from RDMA over VI might not be a good idea).

So, IMHO, no new codes should be needed, but table 256's current description of value 4h as generic RDMA invites confusion between SRP and iSER. I'd change this description to be SRP-specific and add an explanatory note below the table that iSER is an iSCSI extension.

## 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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) Incorrect cross reference (Accepted, Editorial)** [38]
        Page vli, 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) 'SCSI protocol' s/b 'SCSI transport protocol' (Accepted, Editorial)** [39]
        Page 2, Figure 1 - Figure 1 - SCSI document relationships

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

**Dell 4) Add SAS-1.1 as a reference under development (Rejected)** [40]
        Page 6, 2.3 References under development

Add SAS-1.1?

**Reason for Rejection:** SAS-1.1 is not referenced in the normative text except in the version descriptor list.

## Dell 5) Modify 'idle condition' definition (Unresolved) [41]
        Page 9, 3.1.42 Idle condition:
        See also comment Maxtor 8)

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

Dell 6) 'SCSI protocol' s/b 'SCSI transport protocol' (Unprocessed) [42]
        Page 11, 3.1.74 protocol specific

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

Dell 7) 'SCSI protocol' s/b 'SCSI transport protocol' (Unprocessed) [43]
        Page 11, 3.1.75 protocol standard:

Change "SCSI protocol" to "SCSI transport protocol"

**Dell 8) 'non zero' s/b 'non-zero' (Rejected)** [44]
　　　　　Page 20, 4.3.1 CDB usage and structure, 3rd paragraph, 1st sentence

change "…is not zero or…" to "…is non-zero or…"

**Reason for Rejection:** The two wordings in the comment are equivalent. Although the phrase 'not zero' is used several times SPC-3, only this instance is cited for change. The 'not zero' usage appears to be used for emphasis. The reasons for changing it are out weighed by the reasons for leaving it unchanged.

Dell 9) Insert 'of' (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) Missing smallcaps (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) Delete references to the obsolete MEDIUM SCAN command (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) Remove descriptions for obsolete fields and bytes (Accepted, Editorial)** [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) Tasks cannot have no task attribute (Rejected)** [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.

**Reason for Rejection:** The intention is that SCSI devices that implement the Basic task management model (see SAM-3, 8.3.3) do not actually transmit a task attribute with each task. SBP-3 works this way. Therefore, the 'no task attribute' case does apply and the cited text will not be modified. Note also that the cited text is an exact match for text in first sentence of SAM-3 subclause 8.2.

Dell 14) Insert 'management methods' (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) Mandatory commands (Unresolved)** [51]
>>>>Page 94, Table 42 - Commands for all device types (part 2 of 2)
>>>>See also comment HP 74)

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

Dell 16) 'xx' is not used in its 'not relevant' meaning (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) Remove BQUE introduction sentence (Rejected)** [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.

**Reason for Rejection:** Some readers expect to find descriptions of fields appearing in the order that the fields appear in the format definition table. The cited sentence serves that function for the BQUE bit. Its presence is more important than usual in this case because the CMDQUE bit is not defined until the next page.

Dell 18) Missing smallcaps (Unprocessed) [54]
>>>>Page 160, Table 95 - Byte 0

Operation code should be in SMALL CAPS

**Dell 19) Eliminate READ BUFFER mode implementation requirements
>>>>>>column (Unresolved)** [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) How is BUFFER ID field handled in Echo Buffer mode? (Unresolved)** [56]
>>>>Page 188, 6.15.7 Echo buffer descriptor mode (0Bh) section

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

**Dell 21) Why 2-byte REQUESTED SERVICE ACTION field? (No Action Taken)** [57]
>>>>Page 209, In Table 152 - REPORT SUPPORTED OPERATION CODES command

Why is the REQUESTED SERVICE ACTION field 2 bytes long?

**Editor's Note:** To accommodate the variable length CDB format (see table 7 in 4.3.3).

**Dell 22) Why 2-byte REQUESTED SERVICE ACTION field? (No Action Taken)** [58]
>>>>Page 211, In Table 155 - Command descriptor format

Why is the SERVICE ACTION field 2 bytes long?

**Editor's Note:** To accommodate the variable length CDB format (see table 7 in 4.3.3).

## Dell 23) No indication for TARGET RESET support (Unresolved) [59]
Page 214, Table 159 - REPORT SUPPORTED TASK MANAGEMENT
See also comment Brocade 30) and comment IBM 192)

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 indication for WAKEUP support (Unresolved) [60]
Page 214, Table 159 - REPORT SUPPORTED TASK MANAGEMENT
See also comment Brocade 30) and comment IBM 193)

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 indication for TARGET RESET support (Unresolved) [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 indication for WAKEUP support (Unresolved) [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) Insert dash (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) 'Vendor Unique' s/b 'Vendor Specific' (Unprocessed) [64]
Page 216, Table 162 - Target port group descriptor format
Global

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) Remove '(x)' (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) What previous versions of this standard? (Unresolved) [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) Expunge relative port identifier (Unresolved) [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 INDENTIFER some do not. Need to select one throughout standard.

## Dell 32) 'Illegal Request' is not an asymmetric access state (Rejected) [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

**Reason for Rejection:** The intention of marking code value Fh as Illegal Request is to avoid assigning it to any use because doing so would conflict with the asymmetric access state definitions for the REPORT TARGET PORT GROUPS command. Note that table 163 gives the meaning 'Transitioning between states' to code value Fh. It is deemed undesirable to allow a SET TARGET PORT GROUPS command to specify this state.

Dell 33) Remove spurious '0' (Unprocessed) [69]
Page 232, Note 39 after Table 183 - WRITE BUFFER MODE field

Change "39 Modes 00h and0 001h are not recommended." to "39 Modes 00h and 01h are not recommended."

## Dell 34) Eliminate WRITE BUFFER mode implementation requirements
column (Unresolved) [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) Incorrect cross reference (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) Why is PAGE CODE 8 bits in the log page format but only 6 bits in LOG SENSE/
SELECT? (Unresolved) [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 - Log page codes needs 40h - FFh Reserved.

## Dell 37) Is log page code 3Fh Vendor Specific or Reserved? (Unresolved) [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) 'relative port identifier' s/b 'relative target port identifier' (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) Incorrect cross reference (Unprocessed) [75]
Page 275, 1st sentence in 7.4.2 Mode parameter list format

change "table 91" to "table 232"

Dell 40) 'as' s/b 'of' (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) Incorrect cross reference (Unprocessed) [77]
Page 284, 7.4.7 Control Extension mode page

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

Dell 42) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (Unprocessed) [88]
    Page 296, 7.5.1 Protocol specific parameters introduction, 2nd paragraph, 1st Sentence

Change "SCSI protocol" to "SCSI transport protocol"

Dell 53) 'SCSI protocol' s/b 'SCSI transport protocol' (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) 'SCSI protocol' s/b 'SCSI transport protocol' (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) Clarify 'other path' (Unresolved) [91]
    Page 320, Sentence before Table 292 - Association

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

**Editor's Note:** Is target port enough? Or, should this be I_T nexus?

### Dell 56) Reflect the two bit nature of the ASSOCIATION field (Unresolved) [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) Make value size match field size (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) Make value size match field size (Unprocessed) [94]
Page 322, 7.6.4.4.2 EUI-64 identifier format

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

Dell 59) Make value size match field size (Unprocessed) [95]
Page 323, 7.6.4.4.3 EUI-64 based 12-byte identifier format

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

Dell 60) Make value size match field size (Unprocessed) [96]
Page 323, 7.6.4.4.4 EUI-64 based 16-byte identifier format

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

Dell 61) Make value size match field size (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) Make value size match field size (Unprocessed) [98]
Page 325, 7.6.4.5.3 NAA IEEE Registered identifier format

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

Dell 63) Make value size match field size (Unprocessed) [99]
Page 326, 7.6.4.6 Relative target port identifier format

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

Dell 64) Make value size match field size (Unprocessed) [100]
Page 326, Table 306 - Relative target port identifier values

Values in Value column need leading zeros.

Dell 65) Make value size match field size (Unprocessed) [101]
Page 327, 7.6.4.7 Target port group identifier format

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

Dell 66) Make value size match field size (Unprocessed) [102]
        Page 327, 7.6.4.8 Logical unit group identifier format

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

## Dell 67) Remove 'name' because it could be an identifier (Unresolved) [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.

**Editor's Note:** The cited text appears to be:

   A SCSI target port name identification descriptor shall have the ASSOCIATION field set to 1h (i.e., SCSI target port) and the IDENTIFIER TYPE field set to:

Dell 68) Make value size match field size (Unprocessed) [104]
        Page 331

Change "000Ch" to "0Ch"

Dell 69) Make value size match field size (Unprocessed) [105]
        Page 331

Change "0010h" to "10h"

**Dell 70) '60' s/b '3Ch' (Rejected)** [106]
        Page 332, 2nd Paragraph, 1st Sentence after Table 313 - Extended INQUIRY Data VPD page

Change "60." to "3Ch."

**Reason for Rejection:** The current phrasing shows the value in both decimal (in the cited text) and hexadecimal (in table 313).

Dell 71) Incorrect cross reference (Unprocessed) [107]
        Page 337, Two Sentences prior to Table 321 - SCSI port identification descriptor

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

Dell 72) Make value size match field size (Unprocessed) [108]
        Page 337, Table 322 - Relative port identifier values

Values in Value column need leading zeros.

Dell 73) Make access controls keep its hands of W-LUNs or LUN 0 (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…"

**Editor's Note:** The cited text is:

   When access controls are enabled, all logical units shall be inaccessible to all initiator ports unless the ACL (see 8.3.1.3) allows access.

**Dell 74) Make body text a note (Rejected)** [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?

**Reason for Rejection:** It is undesirable to add notes.

Dell 75) Incorrect cross reference (Unprocessed) [111]
Page 359, 8.3.2.1 ACCESS CONTROL IN introduction, 1st Sentence

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

Dell 76) Incorrect cross reference (Unprocessed) [112]
Page 379, 8.3.3.1 ACCESS CONTROL OUT introduction, 1st Sentence

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

Dell 77) Incorrect cross reference (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) MSC changed to BCC (Accepted, Editorial)** [114]
          PDF pg 50, pg 4, 1 Scope

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

ENDL 2) Reservation keys are registered, not I_T nexuses (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) 'logical unit' s/b 'device server' (Unprocessed) [116]
          PDF pg 113, pg 67, 5.6.6, p 1, s 1

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

ENDL 4) Eliminate untestable requirement on application clients (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) Assign peripheral device type code 10h to BCC (Unresolved) [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.

**Editor's Note:** This code was set aside for a parallel SCSI bus bridging feature … planned for SPI-6 I guess.

ENDL 6) Eliminate conflicting TIME STAMP requirements (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) Incorporate diagnostic page code information from 04-181r2 (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) Eliminate unnecessary requirement on application clients (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Remove references to ACA in log page annex pseudocode (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) Disable Queueing s/b smallcaps (Accepted, Editorial)** [132]
>   Page 1, 1 i)

Disable Queueing s/b smallcaps

**HP 2) 'SBC-2' s/b 'SBC' (Accepted, Editorial)** [133]
>   Page 1, 1 j)

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

## HP 3) Change INCITS document numbers references format (Unresolved) [134]
>   Page 2, Global

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

**HP 4) Italicize normative reference names, not numbers (Accepted, Editorial)** [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) iSCSI is RFC 3720 (Accepted, Editorial)** [136]
>   Page 6, 2.4

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

**Editor's Note:** This comment will be resolved as described in comment Veritas 4).

HP 6) Glossary entry subclause number is not bold (Unprocessed) [137]
>   Page 7

3.1.16 s/b bold

## HP 7) Update definition of 'byte' (Unresolved) [138]
>   Page 7, 3.1.14
>   See also comment Brocade 2)

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

HP 8) 'active condition' s/b 'active power condition' (Unprocessed) [139]
>   Page 7, 3.1.5

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

HP 9) Add cross reference citation to 'active power condition' definition (Unprocessed) [140]
          Page 7, 3.1.5

Add "See 5.9."

HP 10) Insert 'CDB' (Unprocessed) [141]
          Page 7, 3.1.12

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

## HP 11) Add glossary entry for 'copy target device' (Unresolved) [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.

**Editor's Note:** Since the usage of 'copy target device' is limited to a small number of subclauses and since there is ongoing confusion generated by the presence of the word 'target' in the term, the editor would prefer not to add the requested glossary entry.

HP 12) 'device' S/B 'peripheral device' (Unprocessed) [143]
          Page 8, 3.1.31

"device" s/b "peripheral device"

HP 13) Add cross reference citation to 'idle power condition' definition (Unprocessed) [144]
          Page 9, 3.1.42

Add "See 5.9."

HP 14) 'idle condition' s/b 'idle power condition' (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) 'active condition' s/b 'active power condition' (Unprocessed) [146]
          Page 9, 3.1.42

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

HP 16) 'idle condition' s/b 'idle power condition' (Unprocessed) [147]
          Page 9, 3.1.42

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

HP 17) Glossary entry subclause number is not bold (Unprocessed) [148]
          Page 10

3.1.64 s/b bold

HP 18) Glossary entry subclause number is not bold (Unprocessed) [149]
      Page 11

3.1.74 s/b bold

HP 19) Delete 'SCSI device identifier' glossary entry (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) Capitalize Internet Engineering Task Force (Unprocessed) [151]
      Page 11, 3.1.77

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

## HP 21) Add glossary entry for 'peripheral device' (Unresolved) [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) 'standby condition' s/b 'standby power condition' (Unprocessed) [153]
      Page 12, 3.1.99

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

HP 23) Add cross reference citation to 'standby power condition' definition (Unprocessed) [154]
      Page 12, 3.1.99

Add "See 5.9."

HP 24) 'standards' s/b 'standard' (Unprocessed) [155]
      Page 15, 3.3.8

standards s/b standard

HP 25) Insert 'an' (Unprocessed) [156]
      Page 15, 3.3.9

as error s/b as an error

HP 26) Fixup 'Notation for byte encoded character strings' (Unprocessed) [157]
      Page 17, 3.6.1

character s/b characters

HP 27) In Execute Command prototype 'I_T_L_x' s/b 'I_T_L_Q' & add '[Task Priority]' (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 Reserved fields in the typical CDB format tables (Unresolved) [159]
          Page 21, table 2

Reserved s/b Miscellaneous

**Editor's Note:** The editor is not sanguine on using 'Miscellaneous' as what looks like a keyword. Table 6 uses 'miscellaneous CDB information'. Would that work?

## HP 29) No Reserved fields in the typical CDB format tables (Unresolved) [160]
          Page 21, table 3

Reserved s/b Miscellaneous

## HP 30) No Reserved fields in the typical CDB format tables (Unresolved) [161]
          Page 21, table 3

Reserved s/b Miscellaneous

## HP 31) SCSI-2 use of CDB for LUN field (Unresolved) [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 Reserved fields in the typical CDB format tables (Unresolved) [163]
          Page 22, table 4

Reserved s/b Miscellaneous

## HP 33) No Reserved fields in the typical CDB format tables (Unresolved) [164]
          Page 22, table 4

Reserved s/b Miscellaneous

## HP 34) No Reserved fields in the typical CDB format tables (Unresolved) [165]
          Page 22, table 5

Reserved s/b Miscellaneous

**HP 35) No Reserved fields in the typical CDB format tables (Unresolved)** [166]
        Page 22, table 5

Reserved s/b Miscellaneous

**HP 36) No Reserved fields in the typical CDB format tables (Unresolved)** [167]
        Page 23, table 6

Reserved s/b Miscellaneous

**HP 37) No Reserved fields in the typical CDB format tables (Unresolved)** [168]
        Page 23, table 6

Reserved s/b Miscellaneous

**HP 38) No Reserved fields in the typical CDB format tables (Unresolved)** [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 Reserved fields in the typical CDB format tables (Unresolved)** [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 Reserved fields in the typical CDB format tables (Unresolved)** [171]
        Page 25, table 8

Reserved s/b Miscellaneous

**HP 41) No Reserved fields in the typical CDB format tables (Unresolved)** [172]
        Page 25, table 8

Reserved DPO FUA Reserved s/b Miscellaneous

HP 42) Do not agglomerate bytes in table 8 (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 Reserved fields in the typical CDB format tables (Unresolved)** [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 Reserved fields in the typical CDB format tables (Unresolved)** [175]
        Page 25, table 8

Change "Additional CDB data" to "Miscellaneous"

HP 45) Add reference column to table 10 (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) Eliminate allocation length shorthand (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) 'data' s/b 'variable length data' (Unprocessed) [178]
        Page 27, 4.3.4.6

Change "data" to "variable length data"

HP 48) 'may' s/b 'is able to' (Unprocessed) [179]
        Page 27, 4.3.4.6

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

HP 49) Add an example (Unprocessed) [180]
        Page 27, 4.3.4.6

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

HP 50) 'CONTROL field' s/b 'CONTROL byte' (Unprocessed) [181]
        Page 27, 4.3.4.7

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

HP 51) 'CONTROL field' s/b 'CONTROL byte' (Unprocessed) [182]
        Page 27, 4.3.4.7

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

HP 52) Insert 'as parameter data', REQUEST SENSE returns paramater data (Unprocessed) [183]
        Page 28, 4.5.1

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

HP 53) REQUEST SENSE returns paramater data (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) 'descriptor(s)' s/b 'descriptor list' (Rejected)** [185]
         Page 29, table 12

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

**Reason for Rejection:** The editor can find only two precidents for this change in SPC-3. The following existing SPC-3 tables use the cited nomenclature and no HP comment requests changes in them:

- 44 CHANGE ALIASES parameter list
- 120 READ ATTRIBUTE with ATTRIBUTE VALUES service action parameter list format
- 121 READ ATTRIBUTE with ATTRIBUTE LIST service action parameter list format
- 122 READ ATTRIBUTE with VOLUME LIST service action parameter list format
- 123 READ ATTRIBUTE with PARTITION LIST service action parameter list format
- 181 WRITE ATTRIBUTE parameter list format

With respect to table 154, comment HP 285) suggests almost exactly the cited nomenclature.

Clearly, consistency is not the motivation for the proposed change.

HP 55) 'descriptor sense data format' s/b 'descriptor format sense data' (Unprocessed) [186]
         Page 29, table 12

Descriptor sense data format s/b Descriptor format sense data

HP 56) 'descriptor sense data format' s/b 'descriptor format sense data' (Unprocessed) [187]
         Page 29, 4.5.2.1

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

HP 57) 'descriptor sense data format' s/b 'descriptor format sense data' (Unprocessed) [188]
         Page 29, 4.5.2.1

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

## HP 58) Table 139 conflicts with table 12 (Unresolved) [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) REQUEST SENSE returns paramater data (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) Delete part of ADDITIONAL SENSE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 61) Delete references to the obsolete MEDIUM SCAN command (Unprocessed) [192]
Page 32, 4.5.2.3

delete "MEDIUM SCAN and"

HP 62) 'shall indicate' s/b 'indicates' (Unprocessed) [193]
Page 35, 4.5.2.5

shall indicate s/b indicates

HP 63) Move SBC-2 sense data descriptor to SBC-2 (Unprocessed) [194]
Page 36

Delete 4.5.2.6; reference SBC-2 instead. (assuming it is added to SBC-2)

HP 64) Comma should be period (Unprocessed) [195]
Page 36, 4.5.2.7

After inclusive change comma to period.

**Editor's Note:** The cited text will be modified as follows:

For the vendor specific sense data descriptor, the DESCRIPTOR TYPE field shall be set to a value between 80h and FFh, inclusive,.

HP 65) 'fixed sense data format' s/b 'fixed format sense data' (Unprocessed) [196]
Page 37, 4.5.3

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

HP 66) 'fixed sense data format' s/b 'fixed format sense data' (Unprocessed) [197]
Page 37, table 26

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

HP 67) 'fixed sense data format' s/b 'fixed format sense data' (Unprocessed) [198]
Page 37, 4.5.3

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

HP 68) REQUEST SENSE returns paramater data (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) Duplicate comment (No Action Taken)** [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.

**Editor's Note:** There is no descernable difference between this comment and comment HP 60).

## HP 70) 'last command' s/b 'command' (Unresolved) [201]
　　　Page 39, table 27 1h

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

**Editor's Note:** The cited text reads as follows:

　　**RECOVERED ERROR:** Indicates that the last command completed successfully, with some recovery action
　　performed by the device server. Details may be determined by examining the additional …

HP 71) Delete 'addressed' (Unprocessed) [202]
　　　Page 39, table 27 2h

Delete "addressed"

HP 72) Account for additional sense code glossary entry (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) Remove all caps (Unprocessed) [204]
　　　Page 55, Table 28

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

## HP 74) Mandatory commands (Unresolved) [205]
>           Page 56, 5.2.1
>           See also comment Dell 15)

"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) Coordinate background self tests with OSD (Unprocessed) [206]
>           Page 59, table 29

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

HP 76) 'direct access' s/b 'direct-access block' (Unprocessed) [207]
>           Page 59, table 29

Direct access s/b Direct access block

**Editor's Note:** As per several other HP comments, 'Direct-access block'.

HP 77) REQUEST SENSE returns paramater data (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) REQUEST SENSE returns paramater data (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) 'protect' s/b 'preserve' (Unprocessed) [210]
>           Page 60, 5.6.1

Change protect to preserve

HP 80) 'LU' s/b 'logical unit' (Unprocessed) [211]
        Page 62, table 31

Delete "LU=Logical Unit," key

HP 81) 'LU' s/b 'logical unit' (Unprocessed) [212]
        Page 62, table 31

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

HP 82) 'LU' s/b 'logical unit' (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) 'LU' s/b 'logical unit' (Unprocessed) [214]
        Page 64, table 32

Delete "Key: LU=Logical Unit" row

## HP 84) 'Other commands in this subclause' is too broad (Unresolved) [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) PR Registration changes (Unresolved) [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) PR Registration changes (Unresolved) [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) PR Registration changes (Unresolved) [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) PR Registration changes (Unresolved)** [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) Update table footnote letters and/or cross references (Unprocessed) [220]
        Page 69, table 34

Change 'c' to 'd'.

HP 90) Update table footnote letters and/or cross references (Unprocessed) [221]
        Page 69, table 34

Change 'c' to 'd'.

**HP 91) PR Registration changes (Unresolved)** [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) PR Registration changes (Unresolved)** [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) PR Registration changes (Unresolved)** [224]
        Page 71, table 36

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

**HP 94) PR Registration changes (Unresolved)** [225]
        Page 71, table 36

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

**HP 95) Duplicate comment (No Action Taken)** [226]
        Page 71, table 36

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

**Editor's Note:** Aside from the wierd grammar, there is no discernable difference between this comment and comment HP 94).

## HP 96) PR MOVE to registered port (Unresolved) [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) PR MOVE & All Registrants (Unresolved) [228]
Page 71, 5.6.7

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

## HP 98) PR MOVE registration step (Unresolved) [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) PR MOVE unit attention (Unresolved) [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) 'I_T_L' s/b 'I_T' (Unprocessed) [231]
Page 72, 5.6.8

Change "I_T_L" to "I_T" in b)

## HP 101) PR scope changes (Unresolved) [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.

**Editor's Note:** This change seems good now, but will be a headache if other scopes are ever defined.

HP 102) 'RESERVE' s/b 'REGISTER' [2 times] (Unprocessed) [233]
Page 72, 5.6.9

Change to "RESERVE" to "REGISTER" in b

HP 103) 'RESERVE' s/b 'REGISTER'[1 more time] (Unprocessed) [234]
Page 72, 5.6.9

Change "RESERVE" to "REGISTER" in b

HP 104) 'I_T_L' s/b 'I_T' (Unprocessed) [235]
Page 73, 5.6.10.1.1 first paragraph

Change "I_T_L" to "I_T".

## HP 105) PR addition (Unresolved) [236]
Page 75, 5.6.10.2

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

HP 106) 'enable' s/b 'enabled' (Unprocessed) [237]
Page 78, 5.6.10.4.3

enable s/b enabled

HP 107) PR is I_T nexus based (Unprocessed) [238]
Page 79, 5.6.10.5 a)A)
Comment Sun 7) is similar

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

HP 108) 'the' s/b 'a' (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) Task set type effects not described (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) Remove Multiple port subclause (Unresolved) [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) Remove Multiple port subclause (Unresolved) [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) Remove Multiple port subclause (Unresolved) [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) Remove Multiple port subclause (Unresolved) [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) Remove Multiple port subclause (Unresolved) [245]
        Page 81
        See also comment Sun 10)

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) Remove Multiple port subclause (Unresolved) [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) Remove Multiple port subclause (Unresolved) [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) Remove Multiple port subclause (Unresolved) [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) Asymmetric logical unit rewrite (Unresolved) [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) Asymmetric logical unit rewrite (Unresolved) [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) Asymmetric logical unit rewrite (Unresolved) [251]
Page 83, 5.8.2.4.2

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

## HP 121) Asymmetric logical unit rewrite (Unresolved) [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) Asymmetric logical unit rewrite (Unresolved) [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) Asymmetric logical unit rewrite (Unresolved) [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) 'Device Identifier' s/b 'Device Identification' (Unprocessed) [255]
Page 86, 5.8.2.7

Device Identifier s/b Device Identification

HP 125) 'Device Identifier' s/b 'Device Identification' (Unprocessed) [256]
Page 86, 5.8.2.8

Device Identifier s/b Device Identification

HP 126) 'shall indicate' s/b 'indicates' (Unprocessed) [257]
Page 91, 5.10 2nd paragraph 2nd sentence

shall indicate s/b indicates

## HP 127) Delete requirements that belong in SMC-2 (Unresolved) [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) 'application server' s/b 'application client' (Unprocessed) [259]
Page 92, table 41

"application server" s/b "application client"

## HP 129) 'indicates' s/b 'specifies' (Accepted, Editorial) [260]
Page 95, 6.2.1

indicates s/b specifies

## HP 130) 'indicates' s/b 'specifies' (Accepted, Editorial) [261]
Page 100, 6.3.1

indicates s/b specifies

## HP 131) 'descriptor(s)' s/b 'descriptor list' (Rejected) [262]
Page 101, table 49

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

**Reason for Rejection:** See response to comment HP 54).

## HP 132) 'descriptor(s)' s/b 'descriptor list' (Rejected) [263]
Page 101, table 49

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

**Reason for Rejection:** See response to comment HP 54).

## HP 133) 'indicates' s/b 'specifies' (Accepted, Editorial) [264]
Page 102, 6.3.1 STR paragraph

indicates s/b specifies

## HP 134) 'indicates' s/b 'specifies' (Accepted, Editorial) [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) 'indicates' s/b 'specifies' (Accepted, Editorial) [266]
Page 103, 6.3.1 INLINE DATA LENGTH paragraph

indicates s/b specifies

**HP 136) 'shall specify' s/b 'shall be set to' (Accepted, Editorial)** [267]
          Page 104, 6.3.3 d)

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

**HP 137) 'shall specify' s/b 'shall be set to' (Accepted, Editorial)** [268]
          Page 104, 6.3.3. e)

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

HP 138) Finish removing write-once and optical memory devices (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) 'codes' s/b 'field' & field name should be in smallcaps (Accepted, Editorial)** [270]
          Page 108, table 52 title

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

**HP 140) 'indicates' s/b 'specifies' (Accepted, Editorial)** [271]
          Page 109, 6.3.6.1

indicates s/b specifies

**HP 141) 'indicates' s/b 'specifies' (Accepted, Editorial)** [272]
          Page 109, 6.3.6.1

indicates s/b specifies

**HP 142) 'indicates' s/b 'specifies' (Accepted, Editorial)** [273]
          Page 119, 6.3.7.4

indicates s/b specifies

**HP 143) 'indicates' s/b 'specifies' (Accepted, Editorial)** [274]
          Page 121, 6.3.7.5

indicates s/b specifies

**HP 144) 'indicates' s/b 'specifies' (Accepted, Editorial)** [275]
          Page 121, 6.3.7.5

indicates s/b specifies

**HP 145) 'indicates' s/b 'specifies' (Accepted, Editorial)** [276]
          Page 121, 6.3.7.5

indicates s/b specifies

**HP 146) 'indicates' s/b 'specifies' (Accepted, Editorial)** [277]
             Page 121, 6.3.7.5

indicates s/b specifies

**HP 147) 'indicates' s/b 'specifies' (Accepted, Editorial)** [278]
             Page 121, 6.3.7.5

indicates s/b specifies

**HP 148) 'shall specify' s/b 'specifies' (Accepted, Editorial)** [279]
             Page 123, 6.3.7.6

"shall specify" s/b "specifies"

**HP 149) 'shall specify' s/b 'specifies' (Accepted, Editorial)** [280]
             Page 123, 6.3.7.6

"shall specify" s/b "specifies"

**HP 150) 'indicates' s/b 'specifies' (Accepted, Editorial)** [281]
             Page 129, 6.3.7.5

indicates s/b specifies

**HP 151) 'indicates' s/b 'specifies' (Accepted, Editorial)** [282]
             Page 129, 6.3.7.5

indicates s/b specifies

**HP 152) 'indicates' s/b 'specifies' (Accepted, Editorial)** [283]
             Page 131, 6.3.7.5

indicates s/b specifies

**HP 153) 'indicates' s/b 'specifies' (Accepted, Editorial)** [284]
             Page 134, 6.3.7.5

indicates s/b specifies

**HP 154) 'is on' s/b 'is set to one' (Accepted, Editorial)** [285]
             Page 134, 6.3.7.17

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

HP 155) Increase usage of common fields allocation length subclause (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) 'direct access' s/b 'direct-access block' (Unprocessed) [287]
        Page 140, table 81

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

HP 157) 'xx' is not used in its 'not relevant' meaning (Unprocessed) [288]
        Page 140, table 80

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

## HP 158) Delete compatibility with previous versions (Unresolved) [289]
        Page 140, table 80, 011b

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

HP 159) Correct SPC-2 reference (Unprocessed) [290]
        Page 141, table 82

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

HP 160) Insert 'supports' (Unprocessed) [291]
        Page 141, below table 82

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

## HP 161) Remove linkage between HISUP bit an REPORT LUNS support (Unresolved) [292]
        Page 141, 6.4.2
        See comment Quantum 18)

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) CDB CONTROL byte wording (Unprocessed) [293]
        Page 141, 6.4.2

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

**HP 163) 'two' s/b '2h' (Rejected)** [294]
        Page 142, 6.4.2 RESPONSE DATA FORMAT paragraph

Change two to 2h (3 times)

**Reason for Rejection:** If this reasoning is followed, the next changes to be expected would be 'bit set to zero' s/b 'bit set to 0b' and 'bit set to one' s/b 'bit set to 1b'. Things have to stop somehere.

## HP 164) Delete part of ADDITIONAL LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 165) 'parameters ' s/b 'remaining standard INQUIRY data' (Unprocessed) [296]
Page 142, 6.4.2

Change "parameters" to "remaining standard INQUIRY data."

## HP 166) Value s/b Code (Accepted, Editorial) [297]
Page 142, table 83

Value s/b Code

## HP 167) Remove 'contents' from table title (Accepted, Editorial) [298]
Page 142, table 83, title

Delete "contents"

## HP 168) 'shall specify' s/b 'indicates' (Accepted, Editorial) [299]
Page 142, 6.4.2

"shall specify" s/b "indicates"

## HP 169) Remove ADP version descriptor (Rejected) [300]
Page 144, Table 85

Remove ADP row. ADP no longer exists.

**Reason for Rejection:** Once assigned, a version descriptor is never unassigned.

## HP 170) Add ADT revision 13 version descriptor (Rejected) [301]
Page 144, table 85

Add ADT revision 13.

**Reason for Rejection:** T10 has taken no action on ADT revision 13 that would warrent adding a version descriptor for it. The last action taken by T10 was an April-May Letter Ballot on forwarding ADT revision 11 to Public Review and there already is a version descriptor for ADT revision 11.

## HP 171) Change version descriptor table title (Rejected) [302]
Page 144, table 85

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

**Reason for Rejection:** There is no VERSION DESCRIPTOR field.

**HP 172) Change version descriptor column heading (Rejected)** [303]
        Page 144, table 85

Change "Version Descriptor Value" to "Code"

**Reason for Rejection:** Version descriptors are not code values in the same sense that other values are coded values.

HP 173) Delete 'a' (Unprocessed) [304]
        Page 151, 6.4.4

"the a" s/b "the"

HP 174) Add acronym (Unprocessed) [305]
        Page 151, 6.4.4

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

**HP 175) 'indicates' s/b 'specifies' (Accepted, Editorial)** [306]
        Page 153, 6.5

indicates s/b specifies

**HP 176) 'indicates' s/b 'specifies' (Accepted, Editorial)** [307]
        Page 154, 6.5 PLL paragraph

indicates s/b specifies

**HP 177) Insert field name in table title (Accepted, Editorial)** [308]
        Page 154, table 90

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

**HP 178) Parameter control should be smallcaps (Rejected)** [309]
        Page 154, 6.5 current cumulative paragraph

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

**Reason for Rejection:** Table 192 does not contain a parameter control field.

**HP 179) Parameter control should be smallcaps (Rejected)** [310]
        Page 154, 6.5 current threshold paragraph

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

**Reason for Rejection:** Table 192 does not contain a parameter control field definition.

**HP 180) Log page policies (Unresolved)** [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 - 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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [312]
Page 155, 6.6 a)

indicates s/b specifies

**HP 182) 'indicates' s/b 'specifies' (Accepted, Editorial)** [313]
Page 155, 6.6 b)

indicates s/b specifies

HP 183) 'may be found in' s/b 'is in' (Unprocessed) [314]
Page 155, 6.5

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

HP 184) Delete 'informative' (Unprocessed) [315]
Page 155, 6.5

Delete "informative"

HP 185) Move SAM-3 reference (Unprocessed) [316]
Page 155, 6.5

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

HP 186) Increase usage of common fields allocation length subclause (Unprocessed) [317]
Page 156, 6.6

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

HP 187) Increase usage of common fields allocation length subclause (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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [319]
Page 156, 6.6 SP paragraph

indicates s/b specifies

**HP 189) 'indicates' s/b 'specifies' (Accepted, Editorial)** [320]
Page 156, 6.6 SP paragraph

indicates s/b specifies

HP 190) 'may be found' s/b 'is' (Unprocessed) [321]
Page 156, 6.6

Change "may be found" to "is"

## HP 191) Remove per initiator port mode page policy (Unresolved) [322]
      Page 157, Table 93
      See comments Sun 12), Sun 22), Sun 28) and Sun 30),

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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [323]
      Page 157, 6.7

indicates s/b specifies

**HP 193) 'indicates' s/b 'specifies' (Accepted, Editorial)** [324]
      Page 157, 6.7

indicates s/b specifies

HP 194) Move SAM-3 reference (Unprocessed) [325]
      Page 157, 6.7

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

## HP 195) Remove per initiator port mode page policy (Unresolved) [326]
      Page 157, 6.7

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

**HP 196) 'indicates' s/b 'specifies that' (Accepted, Editorial)** [327]
      Page 158, 6.7

indicates s/b specifies

**Editor's Note:** This comment will be resolved as described in comment Maxtor 113).

**HP 197) 'indicates' s/b 'specifies' (Accepted, Editorial)** [328]
      Page 158, 6.7

indicates s/b specifies

**HP 198) 'indicates' s/b 'specifies' (Accepted, Editorial)** [329]
      Page 158, 6.7

indicates s/b specifies

**HP 199) Un-float table 95 (Accepted, Editorial)** [330]
      Page 159, 6.9.1

Move the DBD paragraph below table 95

**HP 200) 'indicates' s/b 'specifies' (Accepted, Editorial)** [331]
      Page 159, 6.9.1

indicates s/b specifies

HP 201) Increase usage of common fields allocation length subclause (Unprocessed) [332]
          Page 160, 6.9.1

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

**HP 202) Insert field name in table title (Accepted, Editorial)** [333]
          Page 160, table 96

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

## HP 203) Mode page issue for RBC/SBP-3 devices (Unresolved) [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) Increase allocation length in PERSISTENT RESERVE IN (Unresolved) [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) Increase usage of common fields allocation length subclause (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) Delete part of ADDITIONAL LENGTH definition (Unresolved)** [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 207) Simplify reservation key list description (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) Delete part of ADDITIONAL LENGTH definition (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) 'hall' s/b 'shall' (Unprocessed) [340]
          Page 166, 6.11.3.2

hall s/b shall

**HP 210) Cleanup PR TYPE field definition (Accepted, Editorial)** [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"

**Editor's Note:** As proposed, the modified text would begin with 'The The'. The cited text will be modified as follows:

The value in the TYPE field (see table 105) specifies shall specify the characteristics of the persistent reservation being established for all logical blocks within the logical unit.

**HP 211) Cleanup PR SCOPE field definition (Accepted, Editorial)** [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"

**Editor's Note:** As proposed, the modified text would begin with 'The The'. The cited text will be modified as follows:

The value in the SCOPE field shall be LU_SCOPE (see table 104) shall be set to LU_SCOPE, specifying , indicating that the persistent reservation applies to the entire logical unit.

HP 212) Change capitalization (Unprocessed) [343]
          Page 167, 6.11.3.4

Reservations s/b reservations

## HP 213) Delete part of LENGTH definition (Unresolved) [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.

**Editor's Note:** This change would be acceptable if the a 'shall be set to eight' requirement is added to the definition of the LENGTH field.

## HP 214) Delete part of ADDITIONAL LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 215) Increase PERSISTENT RESERVE OUT parameter list length (Unresolved) [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) Add REGISTER AND MOVE information to valid parameters table (Unprocessed) [347]
Page 177, table 114

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

**Editor's Note:** Expect to be resolved as described in comment Sun 14).

## HP 217) Key to be registered definition (Unresolved) [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.'

**Editor's Note:** Why not make a change similar to that proposed by comment HP 207), specifically:

The SERVICE ACTION RESERVATION KEY field contains the reservation key ~~to be registered to the specified I_T nexus~~.

HP 218) 'a' s/b 'the' (Unprocessed) [349]
Page 179, 6.12.4

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

**HP 219) Delete 'PREVENT ALLOW MEDIUM REMOVAL' (Accepted, Editorial)** [350]
        Page 180, table 117

Delete "PREVENT ALLOW MEDIUM REMOVAL"

## HP 220) Incorporate 04-349 to coordinate SPC-3 with MMC-4 (Unresolved) [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.

**Editor's Note:** Since MMC-4 is done, should this be an SPC-4 issue?

HP 221) Increase usage of common fields allocation length subclause (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 ATRRIBUTE 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) Delete part of AVAILABLE DATA definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 223) Delete part of AVAILABLE DATA definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 224) Increase usage of common fields allocation length subclause (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) READ BUFFER 'Echo buffer' s/b 'Read echo buffer' (Unresolved) [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) READ BUFFER 'Echo buffer' s/b 'Read echo buffer' (Unresolved) [357]
Page 185, table 125. row 1Ah

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

## HP 227) READ BUFFER 'Data' s/b 'Read data' (Unresolved) [358]
Page 185, table 125

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

**Editor's Note:** Maybe it would be better to reduce the redundancy in the WRITE BUFFER definition.

## HP 228) READ BUFFER 'Combined header…' s/b 'Read combined header…' (Unresolved) [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) READ BUFFER 'Echo buffer' s/b 'Read echo buffer' (Unresolved) [360]
Page 185, table 125

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

## HP 230) READ BUFFER 'Descriptor' s/b 'Read descriptor' (Unresolved) [361]
Page 185, table 125

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

**Editor's Note:** There are several reasons for not making this change:

- This wording dates to SCSI-2. Lots of people know the current wording. Why add confusion in SPC-3?
- The wording might be seen as too redundant.
- Even the HP comments cannot get this right (see HP 243).

## HP 231) Recommend against vendor specific READ BUFFER (Unresolved) [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) Delete part of ADDITIONAL LENGTH definition (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) Delete part of ADDITIONAL LENGTH definition (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) Delete part of BUFFER CAPACITY definition (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) Change READ BUFFER parameter data tables (Unresolved) [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) Change READ BUFFER parameter data tables (Unresolved) [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) Add allocation length recommendation (Unprocessed) [368]
          Page 186, 6.15.2

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

HP 238) Modify allocation length recommendation (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) READ BUFFER 'Descriptor' s/b 'Read descriptor' (Unresolved) [370]
          Page 186, 6.15.5

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

## HP 240) READ BUFFER 'Combined header…' s/b 'Read combined header…' (Unresolved) [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) READ BUFFER 'Data' s/b 'Read data' (Unresolved) [372]
Page 186, 6.15.4

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

HP 242) Delete part of READ BUFFER descriptor mode definition (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) Correct table title (Unprocessed) [374]
Page 187, 6.15.5
See comment HP 230)

Change table 127 title to Descriptor mode parameter data

## HP 244) Change READ BUFFER parameter data tables (Unresolved) [375]
Page 187, 6.15.6

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

## HP 245) READ BUFFER 'Echo buffer' s/b 'Read echo buffer' (Unresolved) [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) Change READ BUFFER description (Unresolved) [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)."

**Editor's Note:** Why is this reduction in clarity necessary?

## HP 247) Allocation length limits in READ BUFFER (Unresolved) [378]
Page 187, 6.15.6

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)

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 248) Fix table format (Unprocessed) [379]
Page 188, table 129

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

## HP 249) READ BUFFER 'Echo buffer' s/b 'Read echo buffer' (Unresolved) [380]
      Page 188, 6.15.8

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

HP 250) Delete part of READ BUFFER echo buffer mode definition (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) Modify allocation length recommendation (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) READ BUFFER 'Echo buffer' s/b 'Read echo buffer' (Unresolved) [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) Increase usage of common fields allocation length subclause (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) Delete part of MEDIA SERIAL NUMBER LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 255) How does MAM work in 'partial load' state? (Unresolved) [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) Increase usage of common fields allocation length subclause (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) Add references to table (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) Value s/b Code (Accepted, Editorial)** [389]
          Page 193, table 135

Value s/b Code

**HP 259) Value s/b Code (Accepted, Editorial)** [390]
          Page 193, table 136

Value s/b Code

**HP 260) values s/b field (Accepted, Editorial)** [391]
          Page 193, table 135, title

values s/b field

**HP 261) values s/b field (Accepted, Editorial)** [392]
          Page 193, table 136, title

values s/b field

**HP 262) Delete 'COPY STATUS' (Accepted, Editorial)** [393]
          Page 193, table 136, title

Delete "COPY STATUS"

HP 263) Increase usage of common fields allocation length subclause (Unprocessed) [394]
          Page 200, 6.18

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

HP 264) 'described' s/b 'defined' (Unprocessed) [395]
          Page 201, 6.19

described s/b defined

## HP 265) Delete part of ADDITIONAL LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

### HP 266) Duplicate comment (No Action Taken) [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.

**Editor's Note:** This comment cites the same text as comment HP 265).

HP 267) Increase usage of common fields allocation length subclause (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) Delete part of IDENFIFIER LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 269) Increase usage of common fields allocation length subclause (Unprocessed) [400]
Page 205, 6.21

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

HP 270) Increase usage of common fields allocation length subclause (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) Change REPORT LUNS ALLOCATION LENGTH definition (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) Insert field name in table title (Accepted, Editorial)** [403]
   Page 205, table 146 title

"Select report code values" s/b "SELECT REPORT field"

## HP 273) Delete part of LUN LIST LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 274) Change capitalization (Unprocessed) [405]
   Page 206, table 147

N should be lowercase

## HP 275) REPORT LUNS changes (Unresolved) [406]
   Page 206

"if the inventory list is null for the requesting I_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) Add SAM-3 reference (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) 'data' s/b 'parameter data' (Unprocessed) [408]
   Page 206, 6.21

"REPORT LUNS data" s/b "REPORT LUNS parameter data"

HP 278) 'nexus' s/b 'nexus(es)' (Unprocessed) [409]
   Page 207, 6.22

Change nexus to nexus(es)

HP 279) Spell 'priority' correctly (Unprocessed) [410]
   Page 207, 6.22

PRIOIRTY s/b PRIORITY

HP 280) Increase usage of common fields allocation length subclause (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 00000004h or greater so the full PRIORITY PARAMETER DATA LENGTH field in the parameter data is retrieved."

HP 281) Delete '(4h or larger)' (Unprocessed) [412]
        Page 207, table 148

Delete "(4h or larger)" since it is not an error to use less than 4h.

**HP 282) 'descriptor(s)' s/b 'descriptor list' (Rejected)** [413]
        Page 208, table 150

descriptors s/b descriptor list

**Reason for Rejection:** See response to comment HP 54).

HP 283) Agglomerate allocation length bytes in tables 152 & 158 (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) Increase usage of common fields allocation length subclause (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) 'Commands' s/b 'Command descriptors' (Unprocessed) [416]
        Page 211, table 154

Commands s/b "Command descriptors" or "Command descriptor list"

**HP 286) 'indicates' s/b 'specifies' (Accepted, Editorial)** [417]
        Page 213, 6.24

indicates s/b specifies

## HP 287) Special allocation length rules for REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS (Unresolved) [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) Insert 'CDB' (Unprocessed) [419]
Page 213, 6.23

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

HP 289) 'SAM-3' s/b 'SAM-2' (Unprocessed) [420]
Page 214, 6.24

SAM-3 s/b SAM-2 since TARGET RESET is gone from SAM-3

HP 290) Add SAM-2 reference for WAKEUP (Unprocessed) [421]
Page 214, 6.24

After "WAKEUP task management function" add "(see SAM-2)"

HP 291) Increase usage of common fields allocation length subclause (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) 'descriptor(s)' s/b 'descriptor list' (Rejected) [423]
Page 216, table 161

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

**Reason for Rejection:** See response to comment HP 54).

## HP 293) Delete part of RETURN DATA LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

### HP 294) Value s/b Code (Accepted, Editorial) [425]
Page 217, table 163

Value s/b Code

**HP 295) Value s/b Code (Accepted, Editorial)** [426]
              Page 217, table 164

Value s/b Code

**HP 296) Change table title to name field (Accepted, Editorial)** [427]
              Page 217, table 163, title

change "Asymmetric access state" to "ASYMMETRIC ACCESS STATE field"

HP 297) 'device server' s/b 'logical unit' (Unprocessed) [428]
              Page 218, 6.26

device server s/b logical unit

HP 298) Increase usage of common fields allocation length subclause (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) Clarify REQUEST SENSE command clearing effects on sense data (Unprocessed) [430]
              Page 218, 6.26

Change "since the REQUEST SENSE command" to "since a REQUEST SENSE command with any allocation length"

**HP 300) 'indicates' s/b 'specifies' (Accepted, Editorial)** [431]
              Page 218, 6.26

indicates s/b specifies

## HP 301) Change ASC returned by REQUEST SENSE for power conditions (Unresolved) [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 idle power 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) Power conditions question (Unresolved) [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) Make SPC-3 inconsistent with SAM-3 (Unresolved) [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) Make SPC-3 inconsistent with SAM-3 (Unresolved) [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) Make SPC-3 inconsistent with SAM-3 (Unresolved) [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) Make SPC-3 inconsistent with SAM-3 (Unresolved) [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) 'data' s/b 'parameter data', REQUEST SENSE returns paramater data (Unprocessed) [438]
> Page 219, 6.26

Change "data" to "parameter data"

## HP 308) Require application client to set a field to zero (Rejected) [439]
> Page 220, table 168 001b

"contain" s/b "be set to"

**Reason for Rejection:** The proposed change would have the effect of requiring the application client to take an action without introducing a corresponding requirement on the device server.

**HP 309) Require application client to set a field to zero (Rejected)** [440]
        Page 220, table 168 010b

"contain" s/b "be set to"

**Reason for Rejection:** The proposed change would have the effect of requiring the application client to take an action without introducing a corresponding requirement on the device server.

**HP 310) Require application client to set a field to zero (Rejected)** [441]
        Page 220, table 168 101b

"contain" s/b "be set to"

**Reason for Rejection:** The proposed change would have the effect of requiring the application client to take an action without introducing a corresponding requirement on the device server.

**HP 311) Require application client to set a field to zero (Rejected)** [442]
        Page 220, table 168 110b

"contain" s/b "be set to"

**Reason for Rejection:** The proposed change would have the effect of requiring the application client to take an action without introducing a corresponding requirement on the device server.

**HP 312) Value s/b Code (Accepted, Editorial)** [443]
        Page 220, table 168

Value s/b Code

**HP 313) Delete 'values' (Accepted, Editorial)** [444]
        Page 220, table 168, title

Delete "values"

HP 314) 'directs' s/b 'requests that' (Unprocessed) [445]
        Page 221, 6.27

"directs the device server to perform" s/b "requests that the device server perform"

**HP 315) 'indicates' s/b 'specifies' (Accepted, Editorial)** [446]
        Page 222, 6.28

indicates s/b specifies

HP 316) 'nexus' s/b 'nexuses' (Unprocessed) [447]
        Page 224, table 172

nexus s/b nexuses

HP 317) 'nexus' s/b 'nexuses' (Unprocessed) [448]
        Page 224, table 172

nexus s/b nexuses

**HP 318) PARAMETER LIST LENGTH s/b small caps (Accepted, Editorial)** [449]
          Page 224, 6.29

PARAMETER LIST LENGTH s/b small caps

**HP 319) 'indicates' s/b 'specifies' (Accepted, Editorial)** [450]
          Page 224, 6.29

indicates s/b specifies

**HP 320) 'indicates' s/b 'specifies' (Accepted, Editorial)** [451]
          Page 225, 6.29

indicates s/b specifies

**HP 321) 'indicates' s/b 'specifies' (Accepted, Editorial)** [452]
          Page 226, 6.30

indicates s/b specifies

**HP 322) 'descriptor(s)' s/b 'descriptor list' (Rejected)** [453]
          Page 227, table 175

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

**Reason for Rejection:** See response to comment HP 54).

**HP 323) Value s/b Code (Accepted, Editorial)** [454]
          Page 227, table 177

Value s/b Code

**HP 324) Change table title to name field (Accepted, Editorial)** [455]
          Page 227, table 177, title

change "Asymmetric access state" to "ASYMMETRIC ACCESS STATE field"

HP 325) GOOD status does not include sense data (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) GOOD status does not apply in to table 179 (Unprocessed) [457]
          Page 228, above table 179

delete "GOOD and"

**HP 327) 'indicates' s/b 'specifies' (Accepted, Editorial)** [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) Specify the obviously correct additional sense code (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) WRITE BUFFER 'Echo buffer' s/b 'Write echo buffer' (Unresolved)** [460]
>       Page 232, table 183

Change "Echo buffer" to "Write echo buffer data" for consistency also change corresponding subclause header

**HP 330) WRITE BUFFER 'Echo buffer' s/b 'Write echo buffer' (Unresolved)** [461]
>       Page 232, table 183

Change "Echo buffer" to "write echo buffer data" for consistency also change corresponding subclause header

**HP 331) Change WRITE BUFFER parameter data tables (Unresolved)** [462]
>       Page 232, 6.33.2

Add a "Write combined header and data mode parameter list" table

**HP 332) WRITE BUFFER 'Combined header…' s/b 'Write combined header…' (Unresolved)** [463]
>       Page 232, 6.33.2 header

Change "Combined" to "Write combined"

**HP 333) WRITE BUFFER 'Data' s/b 'Write data' (Unresolved)** [464]
>       Page 232, 6.33.4

Change "Data" to "Write data"

**HP 334) Change WRITE BUFFER parameter data tables (Unresolved)** [465]
>       Page 232, 6.33.4

Add a "Write data mode parameter list" table showing 0..n of Data

HP 335) Remove spurious '0' (Unprocessed) [466]
>       Page 232, note 39

"and0 001h" s/b "and 01h"

## HP 336) WRITE BUFFER mode notes (Unresolved) [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) WRITE BUFFER mode notes (Unresolved) [468]
Page 232, notes 39-40

Consider making these table footnotes instead of notes in the main body.

HP 338) Make subclause heading consistent with other subclauses (Unprocessed) [469]
Page 233, 6.33.7, subclause heading

Change "offsets" to "offsets mode"

## HP 339) Change WRITE BUFFER parameter data tables (Unresolved) [470]
Page 235, 6.33.9

Add "Write echo buffer data mode parameter list" table showing 0..n Echo buffer data

## HP 340) WRITE BUFFER 'Echo buffer' s/b 'Write echo buffer' (Unresolved) [471]
Page 235, 6.33.9

Change "Write data to echo buffer" to "Write echo buffer data mode"

## HP 341) 'initiator port(s)' s/b 'I_T nexus(es)' (Unresolved) [472]
Page 235, 6.33.9

"initiator ports" s/b "I_T nexuses"

## HP 342) WRITE BUFFER 'Echo buffer' s/b 'Write echo buffer' (Unresolved) [473]
Page 236, 6.33.10

Change "Echo buffer" to "write echo buffer data mode"

HP 343) Make subclause heading consistent with other subclauses (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) Make subclause heading consistent with other subclauses (Unprocessed) [475]
Page 236, 6.33.12

Change "log" to "log mode"

**HP 345) Change table title (Rejected)** [476]
        Page 237, 6.33.13

Change "Application log data WRITE BUFFER format" to "Download application log mode parameter list"

**Reason for Rejection:** There are now WRITE BUFFER tables for comparison. However, the cited title matches the format for READ BUFFER table titles and there appear to be no HP comments requesting such substantial changes in those titles.

**HP 346) Value s/b Code (Accepted, Editorial)** [477]
        Page 238, table 185

Value s/b Code

**HP 347) Value s/b Code (Accepted, Editorial)** [478]
        Page 238, table 186

Value s/b Code

**HP 348) Value s/b Code (Accepted, Editorial)** [479]
        Page 238, table 187

Value s/b Code

**HP 349) Change table title to name field (Accepted, Editorial)** [480]
        Page 238, table 185, title

Change "Error type values" to "ERROR TYPE field"

**HP 350) Change table title to name field (Accepted, Editorial)** [481]
        Page 238, table 186, title

Change "Code set values" to "CODE SET field"

**HP 351) Change table title to name field (Accepted, Editorial)** [482]
        Page 238, table 187, title

Change "Error location format values" to "ERROR LOCATION FORMAT field"

**HP 352) Make two byte 2 rows (Rejected)** [483]
        Page 244, table 192

Make byte 2 into two rows, showing the name "PARAMETER CONTROL" encompassing the whole byte

**Reason for Rejection:** A principle that is applied consistently throughout SPC-3 is that one byte is in one row. Bit names are shrunk to fit in one row because of this principle. The only way to fabricate the descired parameter control byte would be to create a separate table defining it. In as much as the current phrasing and usage has worked successfully since SCSI-2, there is insufficient justification for changing.

HP 353) 'nor' s/b 'or' (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) 'any log' s/b 'any such' (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) Insert 'to' (Unprocessed) [486]
        Page 245, table 193 01b

"equal" s/b "equal to"

HP 356) Insert 'to' (Unprocessed) [487]
        Page 245, table 193 10b

"not equal" s/b "not equal to"

HP 357) Spellout bit name (Unprocessed) [488]
        Page 245, 7.2.1

"The LBIN bit" s/b "The list binary (LBIN) bit"

HP 358) 'list of binary data' s/b 'binary data' (Unprocessed) [489]
        Page 245, 7.2.1 LBIN paragraph

"a list of binary information." s/b "binary data."

**Editor's Note:** Note that the comment as written would delete the word 'a'. This change will not be made.

HP 359) Use double lines above and below a format table's name for a group of values (Unprocessed) [490]
        Page 248, Table 195

use double lines (to match table 108) around Application client log parameters

## HP 360) 'Bus' s/b 'Service delivery subsystem' (Unresolved) [491]
        Page 249, 7.2.3 below table 198

Replace "the SCSI bus" with a modern SAM-3 term.

## HP 361) Buffer over/under run errors are not protocol specific (Unresolved) [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) Is there a SAM-3 term for 'reconnect'? (Unresolved) [493]
Page 250, Table 199

Replace "failed reconnect" with a modern SAM-3 term

## HP 363) 'Bus' s/b 'Service delivery subsystem' (Unresolved) [494]
Page 250, Table 200

Replace Bus with a modern SAM-3 term

HP 364) 'direct access' s/b 'direct-access block' (Unprocessed) [495]
Page 250, Note 45

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

## HP 365) Value s/b Code (Accepted, Editorial) [496]
Page 258, table 213

Value s/b Code

## HP 366) Change table title to name field (Accepted, Editorial) [497]
Page 258, table 213, title

change "Self-test results values" to "SELF-TEST RESULTS field"

HP 367) Eliminate duplicate requirements statements in Temperature log page definition (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) Incorrect usage of ETC bit (Accepted, Editorial) [499]
Page 263, table 220

"ETC is 0" s/b using small caps "the ETC bit is set to zero"

**Editor's Note:** The same change will also be made in table 197 (pg 249), table 206 (pg 253), table 212 (pg 257), table 215 (pg 260), table 216 (pg 260), and table 217 (pg 261).

## HP 369) Remove meaningless byte numbers (Unresolved) [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) 'Page(s)' s/b 'Mode page(s)' (Unprocessed) [501]
        Page 275, Table 232

Change "Page(s)" to "Mode page(s)"

**HP 371) 'descriptor(s)' s/b 'descriptor list' (Rejected)** [502]
        Page 275, table 232

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

**Reason for Rejection:** See response to comment HP 54).

HP 372) Clarify that block descriptors need not be present (Unprocessed) [503]
        Page 276, 7.4.3

Twice in the LONGLBA paragraph: Change "descriptors are" to descriptor(s), if any, are each"

## HP 373) Can vendor specific data follow mode pages in the parameter data? (Unresolved) [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) 'direct access' s/b 'direct-access block' (Unprocessed) [505]
        Page 277, 7.4.4.1 first paragraph

Change "direct-access" to "direct-access block devices"

HP 375) Add SBC-2 reference (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) 'FF FF FFh' s/b 'FFFFFFh' (Unprocessed) [507]
        Page 277, 7.4.4.1

Remove spaces in FF FF FFh

HP 377) 'DENSITY CODE and BLOCK LENGTH FIELDS' s/b 'DENSITY CODE field and BLOCK LENGTH fields' (Unprocessed) [508]
        Page 277, 7.4.4.1

Remove capitalization of FIELDS.

HP 378) Provide text for PS bit and SPF bit & order descriptive text correctly (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 SPGF paragraph

HP 379) Use no shortcuts when describing vendor specific mode pages (Unprocessed) [510]
Page 278, 2nd to last para on page 278, below table 237

Change this to that to match previous sentence

HP 380) 'is permitted' s/b 'may' (Unprocessed) [511]
Page 279, Above table 238

Change "is permitted" to "may"

## HP 381) Can the logical unit short-sheet any mode page it wants? (Unresolved) [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) Remove per initiator port mode page policy (Unresolved) [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) Remove per initiator port mode page policy (Unresolved) [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) 'initiator port(s)' s/b 'I_T nexus(es)' (Unresolved) [515]
Page 280, Table 240 Task set type

Change "initiator ports" to "I_T nexus(es)".

## HP 385) 'initiator port(s)' s/b 'I_T nexus(es)' (Unresolved) [516]
Page 280, Table 240 - Task set type

Change "initiator port regardless of target port" to "I_T nexus"

## HP 386) Mode page policy changes (Unresolved) [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) 'MODE SELECT' s/b 'MODE SELECT command' (Unprocessed) [518]
Page 280, 7.4.6 TST paragraph

After "MODE SELECT" add "command"

## HP 388) Orient TMF_ONLY bit definition to device server actions (Unresolved) [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) 'faulted initiator port' s/b 'faulted I_T nexus' for consistency with SAM-3 (Unprocessed) [520]
> Page 280, 7.4.6 TMF_ONLY paragraph

Change "faulted initiator port" to "faulted I_T nexus"

## HP 390) Keep TAS bit where it is (Unresolved) [521]
> Page 280, table 239
> See also comments Maxtor 205), Maxtor 206), and Maxtor 207)

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) Value s/b Code (Accepted, Editorial)** [522]
> Page 280, table 240

Value s/b Code

**HP 392) Change table title to name field (Accepted, Editorial)** [523]
> Page 280, table 240, title

Change "Task set type" to "TASK SET TYPE (TST) field"

**Editor's Note:** In keeping with the correct field name (see comment HP 393), the cited text will be changed to 'Task set type (TST) field'.

**HP 393) Move parenthetical expression (Accepted, Editorial)** [524]
> Page 280, 7.4.6

"task set type field (TST)" s/b "task set type (TST) field"

**HP 394) Move SAM-3 reference (Accepted, Editorial)** [525]
> Page 280, 7.4.6

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

## HP 395) Mode page policy changes (Unresolved) [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) Value s/b Code (Accepted, Editorial)** [527]
Page 281, table 241

Value s/b Code

**HP 397) Change table title to name field (Accepted, Editorial)** [528]
Page 281, table 241, title

change "Queue algorithm modifier" to "QUEUE ALGORITHM MODIFIER field"

## HP 398) 'initiator port(s)' s/b 'I_T nexus(es)' (Unresolved) [529]
Page 282, above table 242

Change "the initiator port" to "the same I_T nexus"

## HP 399) Remove 'in the task set' from table 242 (Unresolved) [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) Add example of 'response' (Unprocessed) [531]
Page 282, 7.4.6 TAS paragraph

Change "without any response" to "without any response (e.g., delivering status)"

## HP 401) Clarify RAC bit definition (Unresolved) [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) Value s/b Code (Accepted, Editorial)** [533]
          Page 282, table 242

Value s/b Code

HP 403) 'command set' s/b 'command standard' (Unprocessed) [534]
          Page 283, 7.4.6 SWP paragraph

Change "command set" to "command standard"

HP 404) 'protected information' s/b 'protection information, if any,' (Unprocessed) [535]
          Page 283, 7.4.6 ATO paragraph

Change "the protected information" to "protection information"

HP 405) 'protected information' s/b 'protection information, if any,' (Unprocessed) [536]
          Page 283, 7.4.6 ATO paragraph

Change "the protected information" to "protection information"

HP 406) 'protected information' s/b 'protection information, if any,' (Unprocessed) [537]
          Page 283, 7.4.6 ATO paragraph

Change "the protected information" to "protection information"

**HP 407) Value s/b Code (Accepted, Editorial)** [538]
          Page 283, table 243

Value s/b Code

## HP 408) Clarify what being busy means (Unresolved) [539]
          Page 284, 7.4.6 Busy Timeout Period paragraph

Change "remain busy" to "return BUSY status"

## HP 409) Is the EXTENDED SELF-TEST COMPLETION TIME field always unchangeable? (Unresolved) [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) Control Extension mode subpages is really just a mode page (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) Control Extension mode subpages is really just a mode page (Unprocessed) [542]
          Page 284, 7.4.7 first paragraph

Change mode subpage to mode page

**HP 412) Value s/b Code (Accepted, Editorial)** [543]
        Page 284, table 244

Value s/b Code

## HP 413) Mode page policy changes (Unresolved) [544]
        Page 285, 7.4.8

Change "and" to "and, if the SCSI target device contains more than one target port, "

## HP 414) Mode page policy changes (Unresolved) [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 other target ports. " which is the same as "the mode page policy should be per target port"

HP 415) 'target' s/b 'Target' as first word in a sentence (Unprocessed) [546]
        Page 286, 7.4.8 Buffer Full Ratio paragraph

target s/b Target

HP 416) 'target' s/b 'Target' as first word in a sentence (Unprocessed) [547]
        Page 286, 7.4.8 Buffer Empty Ratio paragraph

target s/b Target

HP 417) 'target port' is 10pt in a note, should be 9tp (Unprocessed) [548]
        Page 286, Note 53

fix font of target port

**HP 418) Delete discussion of 'in this example' (Rejected)** [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"

**Reason for Rejection:** There should be no possibility of interpereting the example in too broad a context. Repeating that it is an example helps ensure that.

## HP 419) Remove per initiator port mode page policy (Unresolved) [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) Specify unit attention behavior correctly (Unresolved) [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) Does special handling of command getting CHECK CONDITION apply to unit attention? (Unresolved) [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) 'GOOD status' s/b 'GOOD status or INTERMEDIATE status' (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) Add specific sense key (Rejected)** [554]
Page 290, table 251, 3h

After CHECK CONDITION status" add "with a sense key set to RECOVERED ERROR"

**Reason for Rejection:** The proposed additional text appears to be redundant with a requirement that is explicitly stated later in the same paragraph.

HP 424) Insert table footnote cross reference (Unprocessed) [555]
Page 290, table 251 3h

After "allowed" add superscript a

## HP 425) Add parenthetical expression that is sure to annoy IBM (Unresolved) [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) Put 'field' after acronym, not before (Accepted, Editorial)** [557]
Page 290, 7.4.11

"method of reporting informational exceptions field (MRIE)" s/b "method of reporting informational exceptions (MRIE) field"

**HP 427) Add specific sense key (Rejected)** [558]
Page 291, table 251, 4h

After CHECK CONDITION status" add "with a sense key set to RECOVERED ERROR"

**Reason for Rejection:** The proposed additional text appears to be redundant with a requirement that is explicitly stated later in the same paragraph.

**HP 428) Add specific sense key (Rejected)** [559]
Page 291, table 251, 5h

After CHECK CONDITION status" add "with a sense key set to NO SENSE"

**Reason for Rejection:** The proposed additional text appears to be redundant with a requirement that is explicitly stated later in the same paragraph.

HP 429) Generalize MIRE discussion of controlling reporting of recovered errors (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) Generalize MIRE discussion of controlling reporting of recovered errors (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) 'shall indicate' s/b 'indicates' (Unprocessed) [562]
        Page 291, 7.4.11

shall indicate s/b indicates

HP 432) 'the methods' s/b 'with methods' (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) Mode page policy changes (Unresolved) [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) Mode page policy changes (Unresolved) [565]
        Page 294, 7.4.14

Change "and" to "and, if the SCSI target device contains more than one target port, "

## HP 435) Mode page policy changes (Unresolved) [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) Clarify Fibre Channel world wide port name (Unprocessed) [567]
        Page 303, 7.5.3.2 header

Change "world wide name" to "world wide port name"

HP 437) Clarify Fibre Channel world wide port name (Unprocessed) [568]
        Page 303, 7.5.3.2 first paragraph

Change "world wide name" to "world wide port name (see FCP-3)"

**Editor's Note:** FCP-2 might be more appropriate in SPC-3.

HP 438) Clarify Fibre Channel world wide port name (Unprocessed) [569]
        Page 303, table 268 header

Change "world wide name" to "world wide port name"

HP 439) Clarify Fibre Channel world wide port name (Unprocessed) [570]
        Page 303, table 268 bytes 12-19

Change "WORLD WIDE NAME" to "WORLD WIDE PORT NAME"

HP 440) Clarify Fibre Channel world wide port name (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) Clarify Fibre Channel world wide port name (Unprocessed) [572]
        Page 303, note 57

Change "world wide name" to "world wide port name" (twice)

HP 442) Clarify Fibre Channel world wide port name (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)."

**Editor's Note:** Adding 'FCP' is difficult to accept owing to the absence of a definition for the acronym in 3.2. FCP-2
might be more appropriate in SPC-3.

HP 443) Add FCP-2 reference (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)."

**Editor's Note:** Adding 'FCP' is difficult to accept owing to the absence of a definition for the acronym in 3.2. FCP-2
might be more appropriate in SPC-3.

HP 444) Clarify Fibre Channel world wide port name (Unprocessed) [575]
        Page 305, 7.5.3.4 header

Change "world wide name" to "world wide port name"

HP 445) Fix capitalization & clarify Fibre Channel world wide port name (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) Clarify Fibre Channel world wide port name (Unprocessed) [577]
        Page 305, table 270 rows 12-19

Change "WORLD WIDE NAME" to "WORLD WIDE PORT NAME"

HP 447) Clarify Fibre Channel world wide port name (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) Clarify Fibre Channel world wide port name (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) Cleanup target descriptor introduction paragraph[theme] (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) Cleanup target descriptor introduction paragraph[theme] (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) Cleanup target descriptor introduction paragraph[theme] (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) Cleanup target descriptor introduction paragraph[theme] (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) Cleanup target descriptor introduction paragraph[theme] (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)"

**Editor's Note:** At a minimum … needs to be (see RFC 3720)

HP 454) Cleanup target descriptor introduction paragraph[theme] (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) 'Device Identifier' s/b 'Device Identification' (Unprocessed) [586]
        Page 312

Device Identifier s/b Device Identification

HP 456) Change capitalization (Unprocessed) [587]
        Page 315, 7.5.4.7

"serial SCSI protocol" s/b "Serial SCSI Protocol"

HP 457) Change capitalization (Unprocessed) [588]
        Page 315, 7.5.4.7

"serial SCSI protocol" s/b "Serial SCSI Protocol"

HP 458) Eliminate discussion of VPD data being optional (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) Delete part of PAGE LENGTH definition (Unresolved) [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.

**No Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 460) Delete part of ASCII OPERATING DEFINITION DESCRIPTION LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 461) Obsolete the ASCII Implemented Operating Definition VPD page (Unresolved) [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) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 463) Delete part of ASCII LENGTH definition (Unresolved) [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.

N**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 464) Device Identification VPD page changes (Unresolved) [595]
>   Page 319, 7.6.4.1

Change "Device identifiers" to "Identification descriptors" to avoid confusion with the SET/REPORT DEVICE IDENTIFIER command

**Editor's Note:** Expect to be resolved as described in comment IBM 328).

## HP 465) Device Identification VPD page changes (Unresolved) [596]
>   Page 319, 7.6.4.1

Change "device identifiers" to "identification descriptors"

**Editor's Note:** Expect to be resolved as described in comment IBM 329).

## HP 466) Delete redundant Device Identification VPD page text (Unresolved) [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) Clarify what the descriptors in the Device Identification VPD page identify (Unprocessed) [598]
>           Page 319

Change "SCSI target device" to "the SCSI target device containing the logical unit"

HP 468) Clarify what the descriptors in the Device Identification VPD page identify (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) Value s/b Code (Accepted, Editorial)** [600]
>           Page 320, table 291

Value s/b Code

**HP 470) Value s/b Code (Accepted, Editorial)** [601]
>           Page 320, table 292

Value s/b Code

**HP 471) Value s/b Code (Accepted, Editorial)** [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) Change table title to name field (Accepted, Editorial)** [603]
>           Page 320, table 291, title

Change "Code set" to "CODE SET field"

**HP 473) Change table title to name field (Accepted, Editorial)** [604]
>           Page 320, table 292, title

Change "Association" to "ASSOCIATION field"

**HP 474) Change table title to name field (Accepted, Editorial)** [605]
>           Page 320, table 293, title

Change "Identifier type" to "IDENTIFIER TYPE field"

## HP 475) Delete part of IDENTIFIER LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 476) 'protocol serial number should be in smallcaps (Unprocessed) [607]
Page 321, 7.6.4.3

"product serial number field" s/b "PRODUCT SERIAL NUMBER field"

## HP 477) Value s/b Code (Accepted, Editorial) [608]
Page 324, table 301

Value s/b Code

## HP 478) Change table title to name field (Accepted, Editorial) [609]
Page 324, table 301

Change "Name Address Authority values" to Name Address Authority (NAA) field"

## HP 479) Value s/b Code (Accepted, Editorial) [610]
Page 326, table 306

Value s/b Code

## HP 480) Change table title to name field (Accepted, Editorial) [611]
Page 326, table 306

Change "Relative target port identifier values" to "RELATIVE TARGET PORT field"

## HP 481) Device identifiers other than MD5 (Unresolved) [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) Product serial number must be ASCII (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) Move Device identification descriptor requirements subclause (Unresolved) [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) Device identification requirements changes (Unresolved) [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) Device identification requirements changes (Unresolved) [616]
Page 330, 7.6.4.11.1

After last word "device," add "regardless of the I_T nexus being used to retrieve the identification descriptors."

### HP 486) Device identification requirements changes (Unresolved) [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 I_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) Device identification requirements changes (Unresolved) [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) 'protected information' s/b 'protection information, if any,' (Unprocessed) [619]
Page 332, 7.6.5 RTO paragraph

the protected information s/b protection information

HP 489) 'protected information' s/b 'protection information, if any,' (Unprocessed) [620]
Page 332, 7.6.5 GRD_CHK paragraph

"the protection information" s/b "protection information"

HP 490) 'protected information' s/b 'protection information, if any,' (Unprocessed) [621]
Page 332, 7.6.5 GRD_CHK paragraph

"the protection information" s/b "protection information"

HP 491) 'protected information' s/b 'protection information, if any,' (Unprocessed) [622]
Page 332, 7.6.5 APP_CHK paragraph

"the protection information" s/b "protection information"

HP 492) 'protected information' s/b 'protection information, if any,' (Unprocessed) [623]
Page 332, 7.6.5 APP_CHK paragraph

"the protection information" s/b "protection information"

HP 493) 'protected information' s/b 'protection information, if any,' (Unprocessed) [624]
        Page 332, 7.6.5 REF_CHK paragraph

"the protection information" s/b "protection information"

HP 494) 'protected information' s/b 'protection information, if any,' (Unprocessed) [625]
        Page 332, 7.6.5 REF_CHK paragraph

"the protection information" s/b "protection information"

HP 495) Insert 'the' (Unprocessed) [626]
        Page 332, 7.6.5 GROUP_SUP paragraph

"grouping function" s/b "the grouping function"

HP 496) Insert 'the' (Unprocessed) [627]
        Page 332, 7.6.5 GROUP_SUP paragraph

"grouping function" s/b "the grouping function"

## HP 497) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 498) Remove per initiator port mode page policy (Unresolved) [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) Confusing wording in mode page policy descriptor (Unresolved) [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) Value s/b Code (Accepted, Editorial) [631]
        Page 335, table 319

Value s/b Code

### HP 501) Change table title to name field (Accepted, Editorial) [632]
        Page 335, table 319

Change "Mode page policy values" to "MODE PAGE POLICY field"

HP 502) Clarify MLUS=1 applies only to devices with more than one logical unit (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) 'should' s/b 'shall' (Unresolved) [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) 'page' s/b 'VPD page' (Unprocessed) [635]
        Page 336, 7.6.8

"page" s/b "VPD page"

HP 505) Incorrect cross reference (Unprocessed) [636]
        Page 337, above table 321

Change 3 to '321'.

## HP 506) Value s/b Code (Accepted, Editorial) [637]
        Page 337, table 322

Value s/b Code

## HP 507) Change table title to name field (Accepted, Editorial) [638]
        Page 337, table 322

Change "Relative port identifier values" to "RELATIVE PORT field"

HP 508) 'shall indicate' s/b 'indicates' (Unprocessed) [639]
        Page 338, 7.6.8

shall indicate s/b indicates

## HP 509) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 510) 'page' s/b 'VPD page' (Unprocessed) [641]
        Page 339, 7.6.9

"page" s/b "VPD page"

## HP 511) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 512) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 513) Change capitalization (Unprocessed) [644]
Page 340, table 326

supported s/b Supported

HP 514) 'described' s/b 'defined' (Unprocessed) [645]
Page 360, 8.3.2.2.1

described s/b defined

## HP 515) Delete part of DESCRIPTOR LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 516) 'descriptors' s/b 'descriptor list' (Rejected) [647]
Page 362, table 341

"Descriptors" s/b "descriptor list"

**Reason for Rejection:** See response to comment HP 54).

## HP 517) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 518) 'shall indicate' s/b 'indicates' (Unprocessed) [649]
Page 362, 8.3.2.2.2.2

"shall indicate" s/b "indicates"

**HP 519) 'descriptors' s/b 'descriptor list' (Rejected)** [650]
        Page 365, table 345

"descriptors" s/b "descriptor list"

**Reason for Rejection:** See response to comment HP 54).

HP 520) 'shall indicate' s/b 'indicates' (Unprocessed) [651]
        Page 365, 8.3.2.2.2.4

"shall indicate" s/b "indicates"

# HP 521) Delete part of PAGE LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 522) 'described' s/b 'defined' (Unprocessed) [653]
        Page 366, 8.3.2.3.1

described s/b defined

**HP 523) 'descriptors' s/b 'descriptor list' (Rejected)** [654]
        Page 367, table 348

"descriptors" s/b "descriptor list"

**Reason for Rejection:** See response to comment HP 54).

# HP 524) Delete part of ADDITIONAL LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

# HP 525) Delete part of DESCRIPTOR LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

## HP 526) Delete part of LOG LIST LENGTH definition (Unresolved) [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.

**Editor's Note:** In seems less than helpful to remove this text without inserting some cross reference to 4.3.4.6.

HP 527) 'described' s/b 'defined' (Unprocessed) [658]
Page 372, 8.3.2.4.1

described s/b defined

HP 528) 'described' s/b 'defined' (Unprocessed) [659]
Page 376, 8.3.2.5

described s/b defined

HP 529) 'described' s/b 'defined' (Unprocessed) [660]
Page 378, 8.3.2.6

described s/b defined

HP 530) Change capitalization (Unprocessed) [661]
Page 379, 8.3.3

Command s/b command

HP 531) Change capitalization (Unprocessed) [662]
Page 383, table 366

Descriptors s/b descriptors

## HP 532) Explain the unreg bit in PR<->Reserve/Release annex step 5 (Unresolved) [663]
Page 400, B.3

Explain the value of the UNREG bit (of the REGISTER AND MOVE service action parameter list).

## HP 533) Explain the unreg bit in PR<->Reserve/Release annex step 7 (Unresolved) [664]
Page 400, B.3

Explain the value of the UNREG bit (of the REGISTER AND MOVE service action parameter list).

## HP 534) Parameter control should be smallcaps (Rejected) [665]
Page 401, C.2.3

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

**Reason for Rejection:** Table 192 does not contain a parameter control field definition.

**HP 535) Parameter control should be smallcaps (Rejected)** [666]
        Page 401, C.2.5

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

**Reason for Rejection:** Table 192 does not contain a parameter control field definition.

HP 536) Special log annex 'GT' definition is not necessary (Unprocessed) [667]
        Page 401,

Delete "C.2.8 GT: Greater Than" and replace with > everywhere used (which is in the main glossary)

## HP 537) Special log annex 'NV' definition is not necessary (Unresolved) [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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [669]
        Page 402, table c.1 0--

Indicates s/b specifies

**HP 539) 'indicates' s/b 'specifies' & 'returns' s/b 'return' (Accepted, Editorial)** [670]
        Page 402, table c.1 1--

Indicates that the device server returns" s/b "Specifies that the device server return"

**HP 540) 'indicates' s/b 'specifies', 'performs' s/b 'perform' & 'does not' s/b 'not' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies', 'performs' s/b 'perform' & 'saves' s/b 'save' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies' & 'returns' s/b 'return' (Accepted, Editorial)** [673]
        Page 402, table C.1 --00

"Indicates that the device server returns" s/b "Specifies that the device server return"

**HP 543) 'indicates' s/b 'specifies' & 'returns' s/b 'return' (Accepted, Editorial)** [674]
        Page 402, table C.1 --01

"Indicates that the device server returns" s/b "Specifies that the device server return"

**HP 544) 'indicates' s/b 'specifies' & 'returns' s/b 'return' (Accepted, Editorial)** [675]
        Page 402, table C.1 --10

"Indicates that the device server returns" s/b "Specifies that the device server return"

**HP 545) 'indicates' s/b 'specifies' & 'returns' s/b 'return' (Accepted, Editorial)** [676]
        Page 402, table C.1 --11

"Indicates that the device server returns" s/b "Specifies that the device server return"

**HP 546) 'log parameter control byte' s/b 'PARAMETER CONTROL byte' (Rejected)** [677]
        Page 404, c.3 before table c.3

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

**Reason for Rejection:** Table 192 does not contain a parameter control field. Leaving the word 'log' in front of 'parameter control byte' seems harmless and provides some guidance about what the parameter control byte is.

HP 547) Make table title match text (Unprocessed) [678]
        Page 404, table c.3

"Log Page Parameter Control Byte Value" s/b "PARAMETER CONTROL byte values"

**HP 548)** ~~Pages~~**'indicates' s/b 'specifies' & related changes (Accepted, Editorial)** [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) 'indicates' s/b 'specifies' & 'sets' s/b 'set' (Accepted, Editorial)** [680]
        Page 405, Table C.4

"Indicates that the device server sets" s/b "Specifies that the device server set"

**HP 550) 'indicates' s/b 'specifies' & 'does not' s/b 'not' (Accepted, Editorial)** [681]
        Page 405, table C.4

"Indicates that the device server does not" s/b "Specifies that the device server not"

**HP 551) 'indicates' s/b 'specifies' & 'saves' s/b 'save' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies' & 'sends' s/b 'is sending' (Accepted, Editorial)** [683]
        Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

**HP 553) 'indicates' s/b 'specifies' & 'sends' s/b 'is sending' (Accepted, Editorial)** [684]
        Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

**HP 554) 'indicates' s/b 'specifies' & 'sends' s/b 'is sending' (Accepted, Editorial)** [685]
        Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

**HP 555) 'indicates' s/b 'specifies' & 'sends' s/b 'is sending' (Accepted, Editorial)** [686]
        Page 405, table C.4

"Indicates that the application client sends" s/b "Specifies that the application client is sending"

**HP 556) Special log annex 'GT' definition is not necessary (Unprocessed)** [687]
        Page 405, table C.4

"GT 0" s/b "> 0"

**HP 557) 'log parameter control byte' s/b 'PARAMETER CONTROL byte' (Rejected)** [688]
        Page 406, C.4

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

**Reason for Rejection:** Table 192 does not contain a parameter control field. Leaving the word 'log' in front of 'parameter control byte' seems harmless and provides some guidance about what the parameter control byte is.

HP 558) Make table column header match text (Unprocessed) [689]
        Page 406, table c.5

"Log Page Parameter Control Byte Value" s/b "PARAMETER CONTROL byte values"

HP 559) ~~Pages~~Make text match table (Unprocessed) [690]
        Page 408, C.5.1

"parameter control byte of the log parameter." s/b "PARAMETER CONTROL byte (see 7.2)."

**HP 560)** (see 7.2)~~of the log parameter~~**Parameter control should be smallcaps (Rejected)** [691]
        Page 408, C.5.1

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

**Reason for Rejection:** Table 192 does not contain a parameter control field definition.

**HP 561) Parameter control should be smallcaps (Rejected)** [692]
        Page 408, C.5.1

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

**Reason for Rejection:** Table 192 does not contain a parameter control field definition.

HP 562) Correct table title capitalization (Unprocessed) [693]
        Page 408, table c.7 title

"Log Parameter Control Byte" s/b "PARAMETER CONTROL byte"

parameter control byte~~Parameter Control Byte~~**Reason for Rejection:** Table 192 does not contain a parameter control field definition.

**HP 563) 'Log Parameter Control Byte' s/b 'ᴘᴀʀᴀᴍᴇᴛᴇʀ ᴄᴏɴᴛʀᴏʟ byte' (Rejected)** [694]
        Page 408, table c.7 header row

"Log Parameter Control Byte Values" s/b "PARAMETER CONTROL byte values'

**Reason for Rejection:** Table 192 does not contain a parameter control field definition and the capitalization is consistent with the capitalization (e.g., Control Mode Page) in other columns of the same table and other tables in the cited annex.

HP 564) Correct table title capitalization (Unprocessed) [695]
        Page 409, table c.8 title

"Log Parameter Control Byte" s/b "PARAMETER CONTROL byte"

HP 565) parameter control byte~~Parameter Control Byte~~Make table header match text (Unprocessed) [696]
        Page 409, table C.8 header row

"Parameter Control Byte Values" s/b "PARAMETER CONTROL byte values"

HP 566) Log~~Make table column header match text (Unprocessed) [697]~~
        Page 409, table C.9 header row

"Log Page Parameter Control Byte Values" s/b "PARAMETER CONTROL byte values"

HP 567) ~~Pages~~Special log annex 'GT' definition is not necessary (Unprocessed) [698]
        Page 409, table C.9

"GT 0" s/b "> 0"

## HP 568) Special log annex 'NV' definition is not necessary (Unresolved) [699]
        Page 409, table c.9

Change "NV" to "xx" or "-". Since ETC is 0, the value is meaningless.

HP 569) 'RECL' s/b 'RLEC' (Unprocessed) [700]
        Page 409, table c.9

RECL s/b RLEC

## HP 570) Clarify log page annex pseudocode (Unresolved) [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) Entries missing from table of contents (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) Update numeric order codes introduction (Unprocessed) [703]
        Page 411, D.1 first paragraph

Add "diagnostic page codes"

HP 573) Update numeric order codes introduction (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) Change capitalization (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) Account for additional sense code glossary entry (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) Change capitalization (Unprocessed) [707]
        Page 411, D.2

"Additional Sense Codes" s/b "Additional sense codes"

HP 577) Fix Vendor Specific notes in table D.1 (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) Change capitalization (Unprocessed) [709]
        Page 426, D.3

"Operation Codes" s/b "Operation codes"

HP 579) Change capitalization (Unprocessed) [710]
        Page 426, D.3.1

"Operation Codes" s/b "Operation codes"

HP 580) LOCK UNLOCK CACHE (10) is obsolete in SBC-2 (Unprocessed) [711]
        Page 428, Table D.2

36h LOCK UNLOCK CACHE (10) is obsolete in SBC-2

HP 581) LOCK UNLOCK CACHE (16) is obsolete in SBC-2 (Unprocessed) [712]
        Page 430, Table D.2

92h LOCK UNLOCK CACHE (16) is obsolete in SBC-2

**HP 582) 'set' s/b 'set to one' (Accepted, Editorial)** [713]
        Page 432, D.3.2, titles

set s/b "set to one"

**Editor's Note:** The requested change will be made in both the subclause title and the table D.3 title.

**HP 583) 'set' s/b 'set to one' (Accepted, Editorial)** [714]
        Page 432, D.3.3, titles

set s/b "set to one"

**Editor's Note:** The requested change will be made in both the subclause title and the table D.4 title.

**HP 584) 'set' s/b 'set to one' (Accepted, Editorial)** [715]
        Page 432, D.3.2

set s/b "set to one"

**Editor's Note:** The requested change will be made two times in the cited paragraph.

**HP 585) 'set' s/b 'set to one' (Accepted, Editorial)** [716]
        Page 432, D.3.3

set s/b "set to one"

**Editor's Note:** The requested change will be made two times in the cited paragraph.

HP 586) 'direct access' s/b 'direct-access block' (Unprocessed) [717]
        Page 435, Table D.8

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

HP 587) Change capitalization (Unprocessed) [718]
        Page 435, D.3.6

"Variable Length CDB Service Action Codes" s/b "Variable length CDB service action codes"

HP 588) Change capitalization (Unprocessed) [719]
        Page 436, D.4

"Diagnostic Codes" s/b "Diagnostic page codes"

HP 589) Change capitalization (Unprocessed) [720]
        Page 436, D.4 first paragraph

Diagnostic s/b diagnostic

HP 590) Change capitalization (Unprocessed) [721]
        Page 437, D.5

"Log Page Codes" s/b "Log page codes"

HP 591) Change capitalization (Unprocessed) [722]
        Page 438, D.6

"Mode Page Codes" s/b "Mode page codes"

HP 592) Change capitalization (Unprocessed) [723]
        Page 440, D.7

"VPD Page Codes" s/b "VPD page codes"

HP 593) Separate decimal and hexadecimal columns (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) Version descriptors are codes (Rejected)** [725]
        Page 441, D.8

Change "Version Descriptor Values" to "Version Descriptor Codes"

**Reason for Rejection:** Version descriptors are not code values in the same sense that other values are coded values.

HP 595) 'SAS-2' s/b 'SAS-1.1' (Unprocessed) [726]
        Page 451, Table D.15

SAS-2 s/b SAS-1.1

HP 596) 'ATAPI-6' s/b 'ATA/ATAPI-6' (Unprocessed) [727]
        Page 451, Table D.15

ATAPI-6 s/b ATA/ATAPI-6

HP 597) 'ATAPI-7' s/b 'ATA/ATAPI-7' (Unprocessed) [728]
        Page 451, Table D.15

ATAPI-7 s/b ATA/ATAPI-7

HP 598) Add 'http://' (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) Move annex F definitions to 3.1 (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) Remove revision information (Accepted, Editorial)** [731]
          PDF pg 3, pg iii, Revision Information

The revision information needs to be removed before letter ballot

**Editor's Note:** The revision information will be removed in preparation for public review. The letter ballot has already occurred and this is the results of same.

**IBM 2) Add 'e.g.' and remove 'etc.' (Accepted, Editorial)** [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) Do not count the clauses because it is always wrong (Accepted, Editorial)** [733]
          PDF pg 46, pg vli, 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) Indicate that annexes are informative (Accepted, Editorial)** [734]
          PDF pg 46, pg vli, Introduction

All the annex description should contain whether the annex is informative or normative.

**Editor's Note:** The text '(informative)' will be appended to each annex description. Note: all SPC-3 annexes are informative. Also, periods will be added where they are missing.

**IBM 5) Use a proper e.g. list (Accepted, Editorial)** [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) 'interfaces' s/b 'protocols' (Rejected)** [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 >>

**Reason for Rejection:** Subclause 4.2 specifies an interface. SCSI transport protocols (e.g., SAS) specify protocols, not SPC-3.

**IBM 7) Spell out 2-4 (Accepted, Editorial)** [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; >>

**Editor's Note:** '2-4' will be changed to '(2), (3), and (4)', since that is the way the pages were identified in SPC-2.

**IBM 8) Remove list of standards (Rejected)** [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.

**Reason for Rejection:** The list of standard is part of how the SPC-3 editor ensures that the version descriptors list is up-to-date and complete. As long as T10 insists on maintaining the version descriptors list in SPC-x, this list will appear in SPC-x too.

**IBM 9) iSCSI is RFC 3720 (Accepted, Editorial)** [739]
    PDF pg 52, pg 6, 2.4 IETF References

This << draft-ietf-ips-iscsi-16.txt >> should be changed to << RFC 3720 >>

**Editor's Note:** This comment will be resolved as described in comment Veritas 4).

# IBM 10) Rewrite 'active condition' definition (Unresolved) [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, >>

**Editor's Note:** Expect to be resolved as described in comment Maxtor 2).

IBM 11) CONTROL BYTE is in a CDB (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) Two SAM-3 references in one definition (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) Delete 'Control mode page' definition (Rejected)** [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.

**Reason for Rejection:** The definition is present to assist with references to SPC-3 from other standards. If another standard contains a phrase such as "…Control mode page (see SPC-3)", then SPC-3 should contain a glossary entry for that text.

**IBM 14) Delete 'Control Extension mode page' definition (Rejected)** [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.

**Reason for Rejection:** The definition is present to assist with references to SPC-3 from other standards. If another standard contains a phrase such as "…Control Extension mode page (see SPC-3)", then SPC-3 should contain a glossary entry for that text.

## IBM 15) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved) [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) Delete 'Device Identification VPD page' definition (Rejected)** [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.

**Reason for Rejection:** The definition is present to assist with references to SPC-3 from other standards. If another standard contains a phrase such as "…Device Identification VPD page (see SPC-3)", then SPC-3 should contain a glossary entry for that text.

IBM 17) '(or device model)' s/b '(i.e., device model)' (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) Delete 'Disconnect-Reconnect mode page' definition (Rejected)** [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.

**Reason for Rejection:** The definition is present to assist with references to SPC-3 from other standards. If another standard contains a phrase such as "…Disconnect-Reconnect mode page (see SPC-3)", then SPC-3 should contain a glossary entry for that text.

IBM 19) Tweak I_T_L nexus definition (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) Rewrite 'idle condition' definition (Unresolved) [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 >>

**Editor's Note:** Expect to be resolved as described in comment Maxtor 8).

## IBM 21) What is a logical unit identifier, really? (Unresolved) [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) Add 'i.e.,' (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) Rewrite definition of NAA (Unresolved) [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) Add 'i.e.,' (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) Add 'i.e.,' (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) Add 'i.e.,' (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) SCSI device names should be really world wide unique (Unresolved) [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) 'element' s/b 'object' (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) SCSI port names should be really world wide unique (Unresolved) [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) Remove 'etc.' from an e.g. list (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) Add 'i.e.,' (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) Correct FCP-2 acronym definition (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) semicolon s/b comma (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) Commas, not parentheses (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) Fixup 'Notation for byte encoded character strings' (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 such thing as 'partition volume' (Unresolved) [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.

**Editor's Note:** Not even on tapes?

IBM 37) TRANSFER LENGTH rewrite (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) Add fixed bit values to format tables (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) Add fixed bit values to format tables (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) Add fixed bit values to format tables (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) Add fixed bit values to format tables (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) Add fixed bit values to format tables (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) Remove 'etc.' from an e.g. list (Rejected)** [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 >>

**Reason for Rejection:** The cited e.g. is not just a list of cases. The example is written out as several sentences and includes much additional information. Keeping the 'etc.' is necessary to show that other cases exist where the example applies.

IBM 44) Add fixed bit values to format tables (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) 'cannot' s/b 'is not able to' (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) Dash s/b semicolon (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) Commas, not parentheses (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) Insert 'i.e.,' (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) Colon s/b semicolon (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) Create new A,B,C list level (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) Rewrite sentence to eliminate colon (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) Table notes should not be numbered (Rejected)** [782]
         PDF pg 105, pg 59, 5.5.3.2 Background mode, Table 29

This << NOTE 1 >> should be << NOTE >>.

**Reason for Rejection:** This change is not consistent with the ISO style guide.

IBM 53) Add 'i.e.,' (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) 'twenty' s/b '20' (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) 'PERSISTENT RESERVATION OUT' s/b 'PERSISTENT RESERVE OUT' (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) Remove note to committee (Unresolved) [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 implentator can gain from the statement.

IBM 57) 'and' s/b 'with a' (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) Reservation holder rewrite (Unresolved) [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) Released persistent reservations (Unresolved) [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) Released persistent reservations (Unresolved) [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) Released persistent reservations (Unresolved) [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) Insert 'type' (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) Released persistent reservations (Unresolved) [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) Insert 'type' 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) Add SAM-3 reference (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) 'equals one' s/b 'is set to one' (Accepted, Editorial) [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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial) [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) Add 'i.e.,' (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) 'with' s/b 'and' (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) Add 'i.e.,' (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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved) [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved) [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) 'SCSI device' s/b 'SCSI target device' (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) 'port' s/b 'SCSI target port' (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) 'SCSI device' s/b 'SCSI target device' (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) 'port' s/b 'SCSI target port' (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) 'equal to one' s/b 'set to one' (Accepted, Editorial)** [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 >>

**Editor's Note:** The same change also will be made in:

- 6.19 REPORT ALIASES command, 2nd paragraph (pg 201)
- 6.20 REPORT DEVICE IDENTIFIER command, 2nd paragraph (pg 202) [2 times]
- 6.22 REPORT PRIORITY command, 2nd paragraph (pg 207)
- 6.23.1 REPORT SUPPORTED OPERATION CODES command introduction, 2nd paragraph (pg 209)
- 6.24 REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command, 2nd paragraph (pg 213)
- 6.25 REPORT TARGET PORT GROUPS command, 2nd paragraph (pg 215)
- 6.28 SET DEVICE IDENTIFIER command, 2nd paragraph (pg 222) [2 times]
- 6.29 SET PRIORITY command, 5th paragraph (pg 223)
- 6.30 SET TARGET PORT GROUPS command, 2nd paragraph (pg 225)

IBM 78) 'SCSI device' s/b 'SCSI target device' (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) 'port' s/b 'SCSI target port' (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) 'SCSI device' s/b 'SCSI target device' (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) 'port' s/b 'SCSI target port' (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) 'target' s/b 'SCSI target' (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) 'would be' s/b 'is' (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) 'would be' s/b 'is' (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) Create e.g. list to eliminate an etc. (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) Semicolon s/b period, new sentence (Rejected)** [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. >>

**Reason for Rejection:** The semicolon is a gramatically correct way to join two sentences containing ideas that are related in ways that separate sentences do not show. The semicolon has been used in SCSI since SCSI-2 and no requests for interpretation have ever been traced to failure to understand the semicolon's use. SPC-3 will continue to use the semicolon in this fine, distinguished tradition.

IBM 87) 'sixteen' s/b '16' (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) 'not necessarily' s/b 'may not be' (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) Add 'i.e.,' (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) 'and' s/b 'however' (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) 'prescribed' s/b 'specified' (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) SPC-3 should not discuss parallel SCSI (Deferred to SPC-4)** [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.

**Editor's Note:** Unfortunately, SPI-5 mentions SPC-3 as a normative reference, a circumstance that does not apply to SAM-3 by the way. Therefore, SPC-3 must continue to cover parallel SCSI features. This can change only in SPC-4.

IBM 93) 'cannot' s/b 'is not able to' (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) Remove 'or' (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) 'cannot' s/b 'is not able to' (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) 'fruitless repetition of' s/b 'excessive' (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) Use '(i.e., …)' for example (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) Remove 'and' (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) Remove quotation marks (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) 'SCSI device' s/b 'SCSI target device' (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) Expunge relative port identifier (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)** [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) 'target' s/b 'target port' (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) 'target' s/b 'target port' (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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)** [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) 'SCSI target device' s/b 'SCSI target port' (Unresolved) [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) Add 'i.e.,' (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) Use '(i.e., …)' for example (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) Add 'i.e.,' (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) Use '(i.e., …)' for example (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) Add 'i.e.,' (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) Replace 'in most cases' with 'should' (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) Use '(i.e., …)' for example (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) Commas, not parentheses (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) Remove quotation marks (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) 'equal to zero' s/b 'set to zero' (Accepted, Editorial)** [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) 'equal to zero' s/b 'set to zero' (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [857]
        PDF pg 166, pg 120, 6.3.7.5 Block device to block device operations, 4th paragraph under table 64

The arrow overlaps the b in block. This needs to be fixed.

IBM 128) Rewrite to eliminate parentheses (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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) insert 'is' (Accepted, Editorial)** [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) insert 'is' (Accepted, Editorial)** [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) 'bit contains zero' s/b 'bit is set to zero' (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [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) 'count' should be smallcaps (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) 'count' should be smallcaps (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) 'is on' s/b 'is set to one' (Accepted, Editorial)** [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) Rewrite to eliminate explanation (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) Make note body text (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) Delete 'need to' (Rejected)** [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 >>

**Reason for Rejection:** Removing 'need to' changes a description of application client design considerations to a simple statement of capabilities. The intent of the sentence is completely changed, and not for the better. For reference, the cited sentence is:

> The application client sending the EXTENDED COPY command may need to remove the reservation key held by the copy manager as described in 5.6.10 prior to sending the EXTENDED COPY command.

**IBM 151) SPC-3 should not discuss parallel SCSI (Deferred to SPC-4)** [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.>>

**Editor's Note:** Unfortunately, SPI-5 mentions SPC-3 as a normative reference, a circumstance that does not apply to SAM-3 by the way. Therefore, SPC-3 must continue to cover parallel SCSI features. This can change only in SPC-4.

IBM 152) Force table on to one page (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) SPC-3 should not discuss parallel SCSI (Deferred to SPC-4)** [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.

**Editor's Note:** Unfortunately, SPI-5 mentions SPC-3 as a normative reference, a circumstance that does not apply to SAM-3 by the way. Therefore, SPC-3 must continue to cover parallel SCSI features. This can change only in SPC-4.

IBM 154) Remove 'desired' (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) Make notes body text (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) Clarify relationship between target and its logical units (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) Remove 'exact' (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) Clarify relationship between target and its logical units (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) Un-float table 95 (Accepted, Editorial)** [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) Commas, not parentheses (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) Remove optional mode page statements (Unresolved) [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) Remove optional mode page statements (Unresolved) [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) Remove parentheses (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) Add 'i.e.,' (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) Delete part of persistent reservations description (Unresolved) [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) Force table on to one page (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) Delete part of persistent reservations description (Unresolved) [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 refer-enced in this sentence.

## IBM 168) Delete part of persistent reservations description (Unresolved) [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 contains no useful information as it covers all possible cases. It should be deleted.

IBM 169) Cleanup SERVICE ACTION RESERVATION KEY field description (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) Modify part of persistent reservations description (Unresolved) [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) Align text in table consistently (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) Restructure table 114 (Rejected)** [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) >>.

**Reason for Rejection:** If this course is followed, the titles of the two tables would have to be 'PERSISTENT RESERVE OUT service actions and some valid parameters' and 'PERSISTENT RESERVE OUT service actions and other valid parameters'. It is one table, split on a column boundary. The only way this is changing is if the ANSI Editor tells me that it must change.

IBM 173) Commas, not parentheses (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) Commas, not parentheses (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) Insert 'service action' (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) Insert 'service action' (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) 'with' s/b 'and' (Unresolved) [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) Correct 'ATTRIBUTE' spelling (Unprocessed) [908]
          PDF pg 228, pg 182, 6.14.1 READ ATTRIBUTE command introduction, 2nd to last paragraph

This << send a new READ ATRRIBUTE command with >> should be << send a new READ ATTRIBUTE command with >> A spelling error wow ;-}

IBM 179) semicolon s/b comma (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) 'desired' s/b 'to be transferred' (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) 'in the same manner it would' s/b 'as' (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) Insert 'that' (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) Add 'i.e.,' (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) Add 'i.e.,' (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) Commas, not parentheses (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) Delete note that has been forgotten by the EXTENDED COPY world (Unresolved) [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) Change REPORT LUNS requirements (Unresolved) [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) Clearing REPORTED LUNS DATA HAS CHANGED unit attention (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved)** [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) Expunge relative port identifier (Unresolved)** [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. >>

**Editor's Note:** I fail to see the problem with 'relative target port identifier'. Relative port identifier is an object defined by SAM-3 (see 4.7.5).

**IBM 192) No indication for TARGET RESET support (Unresolved)** [922]
> PDF pg 260, pg 214, 6.24 REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command, 2nd to last paragraph
> See also comment Brocade 30), comment Dell 23), and comment Dell 25)

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 indication for WAKEUP support (Unresolved)** [923]
> PDF pg 260, pg 214, 6.24 REPORT SUPPORTED TASK MANAGEMENT FUNCTIONS command, last paragraph
> See also comment Brocade 30), comment Dell 24), and comment Dell 26)

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) Spellout bit name (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) 'is' s/b 'are' (Accepted, Editorial)** [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) Spellout bit name (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) Spellout bit name (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) Spellout bit name (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) Spellout bit name (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) Expunge another ly word (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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved) [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) Spellout bit name (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) Put example in its own paragraph (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) 'eighteen' s/b '18' (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) 'eighteen' s/b '18' (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) Spellout bit name (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) Remove part of SEND DIAGNOSTIC description (Unresolved) [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) Split two senteces as semicolon (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) Delete UNITOFFL optional (Unresolved) [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) Delete DEVOFFL optional (Unresolved) [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) 'device' s/b 'logical unit' (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) Which initiators receive a SET DEVICE IDENTIFIER unit attention (Unresolved)
[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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Semicolon s/b period, new sentence (Rejected) [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. >>

**Reason for Rejection:** The semicolon is a gramatically correct way to join two sentences containing ideas that are related in ways that separate sentences do not show. The semicolon has been used in SCSI since SCSI-2 and no requests for interpretation have ever been traced to failure to understand the semicolon's use. SPC-3 will continue to use the semicolon in this fine, distinguished tradition.

**IBM 218) Semicolon s/b period, new sentence (Rejected)** [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.

**Reason for Rejection:** The semicolon is a gramatically correct way to join two sentences containing ideas that are related in ways that separate sentences do not show. The semicolon has been used in SCSI since SCSI-2 and no requests for interpretation have ever been traced to failure to understand the semicolon's use. SPC-3 will continue to use the semicolon in this fine, distinguished tradition.

IBM 219) Incorrect cross reference (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) Change body notes to table footnotes (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) Add 'e.g.,' (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) Add 'i.e.,' (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) Add 'i.e.,' (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) Identify bits and fields correctly (Rejected)** [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. >>

**Reason for Rejection:** The current usage of 'field' is consistent with the glossary definition, to whit:

> 3.1.35 field: A group of one or more contiguous bits, a part of a larger structure such as a CDB (see 3.1.17) or sense data (see 3.1.95).

IBM 225) Delete 'below' (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) Name the bit (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) Name the bit (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) Spellout bit name (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) semicolon s/b comma (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) semicolon s/b comma (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) 'is one' s/b 'is set to one' (Accepted, Editorial)** [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) Add reference to log parameters annex (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 param-
eters may be found in Annex C. >>

**IBM 233) Do not italicize '*n*' (Rejected)** [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.

**Reason for Rejection:** This usage of *n* has been acceptable in the Last *n* Error Events log page since SCSI-2. It has survived ISO commentary in both SCSI-2 and SPC-2. There is no compelling reason to break with tradition.

IBM 234) 'exact' s/b 'specific' (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) Incorrect usage of ᴇᴛᴄ bit (Accepted, Editorial)** [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ᴇᴛᴄ bit is set to zero'.

IBM 236) 'ᴛʏᴘᴇ field' s/b 'ᴛʏᴘᴇ bit' (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) 'ᴛʏᴘᴇ field' s/b 'ᴛʏᴘᴇ bit' (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) Remove optional log page statements (Unresolved)** [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) Remove optional log page statements (Unresolved)** [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) Incorrect usage of ᴇᴛᴄ bit (Accepted, Editorial)** [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ᴇᴛᴄ bit is set to zero'.

**IBM 241) Do not italicize '*n*' (Rejected)** [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.

**Reason for Rejection:** This usage of *n* has been acceptable in the Last *n* Error Events log page since SCSI-2. It has survived ISO commentary in both SCSI-2 and SPC-2. There is no compelling reason to break with tradition.

IBM 242) Reword bit/field definition (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) Remove 'an' (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) Remove 'exact' (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) Expunge relative port identifier (Unresolved) [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) 'twenty' s/b '20' (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) 'twenty' s/b '20' (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) Incorrect usage of ETC bit (Accepted, Editorial)** [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ETC bit is set to zero'.

IBM 249) Add 'i.e.,' (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). >>

**Editor's Note:** Based on the precedent set in comment IBM 53), it seems that 'e.g.' s/b 'i.e.'

IBM 250) Rewrite to eliminate parentheses (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) 'cannot' s/b 'is not able to' (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) Remove optional log page statements (Unresolved) [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) Incorrect usage of ETC bit (Accepted, Editorial) [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ETC bit is set to zero'.

### IBM 254) Incorrect usage of ETC bit (Accepted, Editorial) [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ETC bit is set to zero'.

### IBM 255) 'be one' s/b 'be set to one' (Accepted, Editorial) [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). >>

**Editor's Note:** The same change will be made in the 1st paragraph after table 214 too.

IBM 256) 'SCSI device' s/b 'SCSI target device' (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. >>

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**IBM 257) Incorrect usage of ETC bit (Accepted, Editorial)** [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ETC bit is set to zero'.

**IBM 258) 'be one' s/b 'be set to one' (Accepted, Editorial)** [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) Remove optional log page statements (Unresolved) [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) Incorrect usage of ETC bit (Accepted, Editorial)** [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 >>

**Editor's Note:** The cite text will be changed as follows: 'Ignored when the ETC bit is set to zero'.

IBM 261) 'may optionally' s/b just 'may' (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) 'READ ONLY bit' s/b 'READ_ONLY bit' (Unprocessed) [992]
          PDF pg 310, pg 264, 7.3.1 Attribute format

Rename the << READ ONLY>> bit to << READ_ONLY >>

IBM 263) Add 'i.e.,' (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) Attribute length column headings should inlcude '(bytes)' (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) Attribute length column headings should inlcude '(bytes)' (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) Force table on to one page (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) Attribute length column headings should inlcude '(bytes)' (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) 'sixteen' s/b '16' (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 16 if the LONGLBA bit is set to one, >>

**IBM 269) 'equal to one' s/b 'set to one' (Accepted, Editorial)** [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) 'cannot' s/b 'is not able to' (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) Change body text to a note (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) Note text is in 10pt font (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) 'e.g.' s/b 'i.e.' (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) Commas, not parentheses (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) Use '(i.e., …)' for example (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) Spellout full additional sense code names (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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial)** [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) 'equals one' s/b 'is set to one' (Accepted, Editorial)** [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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial)** [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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial)** [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) 'equals one' s/b 'is set to one' (Accepted, Editorial)** [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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial)** [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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial)** [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) 'equals one' s/b 'is set to one' (Accepted, Editorial)** [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) 'equals zero' s/b 'is set to zero' (Accepted, Editorial)** [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) 'would do' s/b 'does' (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) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

IBM 288) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

IBM 289) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

IBM 290) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

IBM 291) 'SCSI device' s/b 'SCSI target device' (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) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

**IBM 293) iSCSI is RFC 3720 (Accepted, Editorial)** [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) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

**IBM 295) iSCSI is RFC 3720 (Accepted, Editorial)** [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) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

**IBM 297) iSCSI is RFC 3720 (Accepted, Editorial)** [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) Add a comma (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) Clarify where bytes 0-15 are (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 were that larger table is. A reference needs to be added to the larger table.

**IBM 300) iSCSI is RFC 3720 (Accepted, Editorial)** [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) Add a comma (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) 'logical unit identifiers' s/b 'logical unit numbers' (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) 'Fibre Channel world wide name' s/b 'Fibre Channel Name_Identifier' (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) 'port world wide name' s/b 'port Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) 'world wide name' s/b 'Name_Identifier' (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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved) [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) Expunge relative port identifier (Unresolved)** [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) Expunge relative port identifier (Unresolved)** [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) Use iSCSI name consistently (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) 'see iSCSI' s/b 'see RFC 3720' (Accepted, Editorial)** [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) 'see iSCSI' s/b 'see RFC 3720' (Accepted, Editorial)** [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) 'see iSCSI' s/b 'see RFC 3720' (Accepted, Editorial)** [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) Not all VPD pages are optional (Unresolved)** [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) Remove parentheses (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**

[1067]

PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, 2nd paragraph after table 290 in two palaces

This << IDENTIFIER field >> should be << DESIGNATOR field >>

**IBM 338) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[1068]
> PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, table 291 in 3 palaces

This << IDENTIFIER field >> should be << DESIGNATOR field >>

**IBM 339) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[1071]
> PDF pg 366, pg 320, 7.6.4.1 Device Identification VPD page overview, table 292 in 3 palaces

This << IDENTIFIER field >> should be << DESIGNATOR field >>

**IBM 342) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [1107]
                    PDF pg 370, pg 324, 7.6.4.5 NAA identifier format

This section title should be << NAA designator format >>

**IBM 378) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) 'identifies' s/b 'indicates' (Accepted, Editorial) [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 >>

**Editor's Note:** As proposed in comment Maxtor 282), 'identifies' will be changed to 'indicates'.

## IBM 408) Expunge relative port identifier (Unresolved) [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Accepted, Editorial)** [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 >>

**Editor's Note:** The cited text will be modified as follows:

>The TARGET PORT GROUP field ~~contains the identifier for~~ indicates the target port group to which the target port is a member (see 5.8).

Note: Because VPD data is transferred from target to initiator, the decision branch between specifies and indicates goes to indicates.

## IBM 413) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Accepted, Editorial)** [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 >>

**Editor's Note:** The cited text will be modified as follows:

   The LOGICAL UNIT GROUP field ~~contains the identifier for~~ indicates the logical unit group to which the logical unit
   is a member.

Note: Because VPD data is transferred from target to initiator, the decision branch between specifies and indicates
goes to indicates.

## IBM 417) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
 [1147]
        PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

## IBM 418) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
 [1149]
        PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

## IBM 420) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
 [1150]
        PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

## IBM 421) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
 [1151]
        PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

## IBM 422) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
 [1152]
        PDF pg 373, pg 327, 7.6.4.9 MD5 logical unit identifier format, 1st paragraph

This << identifier >> should be <<designator >>

## IBM 423) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[1153]
> PDF pg 374, pg 328, 7.6.4.9 MD5 logical unit identifier format, 2nd paragraph

This << identifier >> should be <<designator >>

## IBM 424) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Eliminate 'will' (Accepted, Editorial) [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) GROUP_SUP bit definition (Unresolved) [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) Task attribute support question (Unresolved) [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 simpsup 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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[1191]

PDF pg 382, pg 336, 7.6.8 SCSI Ports page, 1st paragraph

This << identification descriptors >> should be << designation descriptors >>

## IBM 462) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)
[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [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) Expunge relative port identifier (Unresolved)** [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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [1199]

       PDF pg 384, pg 338, 7.6.8 SCSI Ports page, table 323

This << IDENTIFIER TYPE >> should be << DESIGNATOR TYPE >>

**IBM 470) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)**
 [1200]

       PDF pg 384, pg 338, 7.6.8 SCSI Ports page, table 323 in two places

This << IDENTIFIER >> should be << DESIGNATOR >>.

## IBM 471) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)

[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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)

[1202]

PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << IDENTIFIER >> should be << DESIGNATOR >>.

## IBM 473) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)

[1203]

PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << IDENTIFIER >> should be << DESIGNATOR >>.

## IBM 474) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)

[1204]

PDF pg 384, pg 338, 7.6.8 SCSI Ports page, 2nd paragraph after table 323

This << IDENTIFIER >> should be << DESIGNATOR >>.

## IBM 475) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved)

[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) Move access controls and model to new clause (Rejected)** [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.

**Reason for Rejection:** The proposed change would break the tight association between the access controls model and commands and the access controls well known logical unit. Since the preferred implementation has only the access controls well known logical unit supporting the access controls model and commands, there is substantial value in keeping the association between the two as tight as possible.

IBM 477) Add a 'which' that should be a 'that' (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) Add a 'which' that should be a 'that' (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) Commas, not parentheses (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 >>

**Editor's Note:** May need to insert 'then'.

IBM 480) Commas, not parentheses (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 >>

**Editor's Note:** May need to insert 'then'.

IBM 481) Add 'i.e.,' (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) Add VS to the acronyms list & modify the glossary entry accordingly (Unprocessed) [1212]
        PDF pg 402, pg 356, 8.3.1.12 Access controls information persistence and memory usage require-
        ments, table 333

What does << VS >> stand for. There needs to be a note in this table with VS defined.

IBM 483) 'twenty' s/b '20' (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) Use 'designation' (Unresolved) [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Use 'designation' (Unresolved)** [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) Rewrite to eliminate 'would' (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) Incorrect cross reference (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) Remove parentheses (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) Semicolon s/b period, new sentence (Rejected)** [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. >>

**Reason for Rejection:** The semicolon is a gramatically correct way to join two sentences containing ideas that are related in ways that separate sentences do not show. The semicolon has been used in SCSI since SCSI-2 and no requests for interpretation have ever been traced to failure to understand the semicolon's use. SPC-3 will continue to use the semicolon in this fine, distinguished tradition.

IBM 497) Commas, not parentheses (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) 'would create' s/b 'results in' (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) 'is' s/b 'are' (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) Remove quotation marks (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) Incorrect cross reference (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) Insert 'the' (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) Reduce usage of 'identifier' in Device Identification VPD page (Unresolved) [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.

Nearly all of the comments between IBM 324) and IBM 458) inclusive give details on how to effect the change proposed here.

## 7. LSI Logic Corp.

John Lohmeyer from LSI Logic Corp. submitted the following comments on a Yes vote.

LSI 1) Use 'T10 vendor identification' consistently (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) Figure 1 different in SAS (Accepted, Editorial)** [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.

**Editor's Note:** The comment fails to mention the just approved SAM-3 standard, in which Figure 1 is identical to the figure 1 here. To first order, it would appear that SAS-1.1 and SBC-2 should change to match the most recently approved standard.

There appear to be five differences, the responses to which are shown in the following table.

| Difference | Response |
|---|---|
| The shared command set box is on the same level as the device-type specific command sets box. | The figure 1 in SPC-3 will be modified to place the shared command set box next to the device-type specific command set box. |
| 'Shared Command Set' is changed to 'Primary Command Set'. | This change will be made in SPC-3, both in the figure and in the list following it. |
| 'SCSI Protocols' is changed to 'Protocols'. | Neither term is correct. See comment Dell 3). |
| Examples of the various standards are included in the figure. | This is unnecessary in SPC-3 because the examples are listed later in the clause. No change will be made. |
| The figure is in color. | The use of color is gratuitous and not even particularly helpful in interpreting the figure. No change will be made. |

**Maxtor 2) Rewrite 'active condition' definition (Unresolved)** [1236]
        Page 7, 3.1.5 active condition
        See comment IBM 10)

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) Rewrite CDB definition (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) 'identified' s/b 'specified' (Accepted, Editorial)** [1238]
        Page 8, 3.1.23 data-in buffer

Change "identified" to "specified".

**Maxtor 5) 'identified' s/b 'specified' (Accepted, Editorial)** [1239]
        Page 8, 3.1.24 data-out buffer

Change "identified" to "specified".

Maxtor 6) Add definition for I_T nexus (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 (seeSAM-3."

Maxtor 7) Make I_T_L nexus definition match SAM-3 (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) Rewrite 'idle condition' definition (Unresolved) [1242]
        Page 9, 3.1.42 idle condition
        See also comment Dell 5) and comment IBM 20)

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) Add definition for nexus (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) Rewrite world wide identification (Unresolved) [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) Capitalize Engineering Task Force (Unprocessed) [1245]
        Page 11, 3.1.77 request for comment (RFC)

Capitalize "Engineering Task Force".

**Editor's Note:** Expect that this comment will be resolved as described in comment Veritas 7).

Maxtor 12) Rewrite 'standby condition' definition (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) Rewrite CDB lengths conventions (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) Expunge another ly word (Unprocessed) [1248]
          Page 17, 3.6.1 Notation for byte encoded character strings, first paragraph

Delete,  "exactly".

Maxtor 15) Fixup 'Notation for byte encoded character strings' (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) Fixup 'Notation for byte encoded character strings' (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) Eliminate 'heads' (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) Delete commas (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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1253]
          Page 24, 4.3.3 The variable length CDB formats, second paragraph

Change  "…indicates the number…" to "…specifies the number…".

**Maxtor 20) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1254]
          Page 24, 4.3.3 The variable length CDB formats, third paragraph

Change  "…indicates the action…" to "…specifies the action…".

Maxtor 21) Insert 'of' (Unprocessed) [1255]
          Page 26, Table 10 - Group Code values

Change, "The format the commands using…",  to, "The format of the commands using…".

**Maxtor 22) 'indicates' s/b 'specifies' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1257]
        Page 27, 4.3.4.4 Transfer length, third paragraph

Change "indicates" to "specifies"  in two places.

**Maxtor 24) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1258]
        Page 27, 4.3.4.5 Parameter list length

Change "indicates" to "specifies".

**Maxtor 25) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1259]
        Page 27, 4.3.4.6 Allocation length, first paragraph

Change "indicates" to  "specifies".

**Maxtor 26) Expunge another ly word (Accepted, Editorial)** [1260]
        Page 27, 4.3.4.6 Allocation length, second paragraph

Delete, "specifically".

**Editor's Note:** The word 'specifically' appears in the last sentence of the first paragraph, not in the second paragraph. It will be expunged anyway.

Maxtor 27) CDB CONTROL field has same definition (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) Smaller sentences in data field termination and padding (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) 'descriptor/fixed sense data format' s/b 'descriptor/fixed format sense data' (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.

**Editor's Note:** HP (see HP 55) and the editor agree that 'descriptor/fixed format sense data' is correct. Appropriate changes will be made.

Maxtor 30) 'descriptor/fixed sense data format' s/b 'descriptor/fixed format sense data' (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.

**Editor's Note:** HP (see HP 55) and the editor agree that 'descriptor/fixed format sense data' is correct. Appropriate changes will be made.

## Maxtor 31) How to handle sense data VALID bit set to zero? (Unresolved) [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) Demote descriptions for obsolete fields and bytes (Accepted, Editorial)** [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.

**Editor's Note:** Comment Dell 11) recommends deleting the cited paragraph entirely and that is the change that will be made.

Maxtor 33) Expunge another ly word (Unprocessed) [1267]
Page 57, 5.4 Parameter rounding, third paragraph

Delete "explicitly".

## Maxtor 34) Change foreground self-test termination requirements (Unresolved) [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) Change background self-test termination requirements (Unresolved) [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) Insert 'of' (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) Delete 'automatically' (Unresolved) [1271]
Page 73, 5.6.9 Persistent reservation holder, fifth paragraph

Delete  "automatically" in two places.

**Maxtor 38) Delete 'need to' (Rejected)** [1272]
Page 81

Delete "need to".

**Reason for Rejection:** Removing 'need to' changes a description of product design considerations to a simple statement of capabilities. The intent of the sentence is completely changed, and not for the better. For reference, the cited sentence is:

SCSI target devices with target ports implemented in separate physical units may need to designate differing levels of access for the target ports associated with each logical unit.

**Maxtor 39) Make headings bold (Rejected)** [1273]
        Page 89, 5.9.2.x.y

Make all of the "Head4's" bold in this clause.

**Reason for Rejection:** Most of the cited headings are for single sentence subclauses. The headings swamp the text and lead to an unreadable jumble. Possible solutions are combining subclauses so that the text is not swamped by headings and simply removing the profusion of not particularly helpful headings. Pretending that the subclause structure is normal is not an option.

Maxtor 40) 'declared' s/b 'treated as invalid' (Unprocessed) [1274]
        Page 98, 6.2.3 Alias designation validation, fourth paragraph

Change "declared" to  "considered".

**Maxtor 41) Book organization (No Action Taken)** [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.

**Editor's Note:** Forced new pages occur between source files for the book. The source files for the book are:

- Commands A-D
- EXTENDED COPY
- INQUIRY
- LOG SELECT/SENSE
- MODE SELECT/SENSE
- PERSISTENT RESERVE IN/OUT
- Commands P-R
- Commands S-Z

Maxtor 42) Expunge another ly word (Unprocessed) [1276]
        Page 100, 6.3.1 EXTENDED COPY command introduction, second paragraph

Delete  "independently".

Maxtor 43) Rewrite EXTENDED COPY sentence (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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1278]
        Page 100, 6.3.1 EXTENDED COPY command introduction, third paragraph

Change  "indicates" to "specifies".

**Maxtor 45) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1279]
        Page 102, 6.3.1 EXTENDED COPY command introduction, seventh paragraph

Change  "indicates" to "specifies" in two places.

Maxtor 46) Eliminate redundant 'source and/or the destination logical units' terminology (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 desti-nation devices" as they are called in the introduction clause. If this is true, then the wording should be made consistent.

Maxtor 47) 'conditions' s/b 'errors' (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) Insert 'errors' (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) 'solely' s/b 'only' (Unprocessed) [1283]
        Page 104, 6.3.3 Errors detected during processing of segment descriptors, a-b-c list, item c

Delete "solely".

Maxtor 50) 'device' s/b 'copy device' & use i.e. (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) Eliminate redundant 'source and/or the destination logical units' terminology (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) Eliminate redundant 'source and/or the destination logical units' terminology (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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1287]
        Page 109, 6.3.6.1 Target descriptors introduction, ninth paragraph

Change  "indicates" to "specifies" in two places.

## Maxtor 54) Copy manager moving the media (Unresolved) [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) Arrow head overlays text (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [1290]
Page 118, 6.3.7.3

Superimposed arrowhead.

**Maxtor 57) Arrow head overlays text (Accepted, Editorial)** [1291]
Page 118, 6.3.7.3

Superimposed arrowhead.

**Maxtor 58) Arrow head overlays text (Accepted, Editorial)** [1292]
Page 119, 6.3.7.4

Superimposed arrowhead.

**Maxtor 59) Arrow head overlays text (Accepted, Editorial)** [1293]
Page 119, 6.3.7.4

Superimposed arrowhead.

**Maxtor 60) Arrow head overlays text (Accepted, Editorial)** [1294]
Page 120, 6.3.7.5

Superimposed arrowhead.

**Maxtor 61) Arrow head overlays text (Accepted, Editorial)** [1295]
Page 120, 6.3.7.5

Superimposed arrowhead.

**Maxtor 62) Arrow head overlays text (Accepted, Editorial)** [1296]
Page 120, 6.3.7.5

Superimposed arrowhead.

**Maxtor 63) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1297]
Page 121, 6.3.7.5 Block device to block device operations, seventh paragraph

Change  "indicates" to "specifies" in three places.

**Maxtor 64) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1298]
          Page 121, 6.3.7.5 Block device to block device operations, seventh paragraph

Change  "indicates" to "specifies" in two places.

**Editor's Note:** Since comment Maxtor 63) refers to the seventh paragraph (the one with three instances of 'indicates') it appears that this comment refers to the ninth paragraph. At least, that is where the specified changes will be made.

**Maxtor 65) Arrow head overlays text (Accepted, Editorial)** [1299]
          Page 122, 6.3.7.6

Superimposed arrowhead.

**Maxtor 66) Arrow head overlays text (Accepted, Editorial)** [1300]
          Page 122, 6.3.7.6

Superimposed arrowhead.

**Maxtor 67) Arrow head overlays text (Accepted, Editorial)** [1301]
          Page 122, 6.3.7.6

Superimposed arrowhead.

**Maxtor 68) Arrow head overlays text (Accepted, Editorial)** [1302]
          Page 124, 6.3.7.7

Superimposed arrowhead.

**Maxtor 69) Arrow head overlays text (Accepted, Editorial)** [1303]
          Page 125, 6.3.7.8

Superimposed arrowhead.

**Maxtor 70) Arrow head overlays text (Accepted, Editorial)** [1304]
          Page 126, 6.3.7.9

Superimposed arrowhead.

**Maxtor 71) Arrow head overlays text (Accepted, Editorial)** [1305]
          Page 126, 6.3.7.9

Superimposed arrowhead.

**Maxtor 72) 'indicated' s/b 'specified' (Accepted, Editorial)** [1306]
          Page 126, 6.3.7.9 Stream device to discard operation, third paragraph

Change  "indicated" to "specified".

**Maxtor 73) Arrow head overlays text (Accepted, Editorial)** [1307]
          Page 127, 6.3.7.9

Superimposed arrowhead.

**Maxtor 74) Arrow head overlays text (Accepted, Editorial)** [1308]
　　　　Page 127, 6.3.7.9

Superimposed arrowhead.

**Maxtor 75) Arrow head overlays text (Accepted, Editorial)** [1309]
　　　　Page 127, 6.3.7.9

Superimposed arrowhead.

**Maxtor 76) Arrow head overlays text (Accepted, Editorial)** [1310]
　　　　Page 128, 6.3.7.11

Superimposed arrowhead.

**Maxtor 77) 'is' s/b 'specifies' (Accepted, Editorial)** [1311]
　　　　Page 129, 6.3.7.12 Stream device to block device with offset operation, ninth paragraph

Change "is" to "specifies".

**Maxtor 78) Arrow head overlays text (Accepted, Editorial)** [1312]
　　　　Page 130, 6.3.7.13

Superimposed arrowhead.

**Maxtor 79) Arrow head overlays text (Accepted, Editorial)** [1313]
　　　　Page 131, 6.3.7.14

Superimposed arrowhead.

**Maxtor 80) 'is' s/b 'specifies' (Accepted, Editorial)** [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) Arrow head overlays text (Accepted, Editorial)** [1315]
　　　　Page 132, 6.3.7.15

Superimposed arrowhead.

**Maxtor 82) Arrow head overlays text (Accepted, Editorial)** [1316]
　　　　Page 133, 6.3.7.16

Superimposed arrowhead.

**Maxtor 83) Arrow head overlays text (Accepted, Editorial)** [1317]
　　　　Page 134, 6.3.7.17

Superimposed arrowhead.

**Maxtor 84) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1318]
　　　　Page 134, 6.3.7.17 Tape device image copy operation, fifth paragraph

Change  "indicates" to "specifies".

**Maxtor 85) 'specified' s/b 'defined' (Accepted, Editorial)** [1319]
        Page 142, 6.4.2 Standard INQUIRY data, eighth paragraph

Change "specified" to  "defined".

**Maxtor 86) 'shall specify' s/b 'indicates' (Accepted, Editorial)** [1320]
        Page 142, 6.4.2 Standard INQUIRY data, ninth paragraph

Change "shall specify" to  "indicates".

Maxtor 87) Rewrite allocation length definition (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) 'device' s/b 'SCSI target device' (Unresolved) [1322]
        Page 142, 6.4.2 Standard INQUIRY data, tenth paragraph

Change "device" to "SCSI  target device" in two places.

Maxtor 89) 'device' s/b 'SCSI target device' (Unprocessed) [1323]
        Page 142, 6.4.2 Standard INQUIRY data, eleventh paragraph

Change "device" to "SCSI  target device" in two places.

Maxtor 90) 'device' s/b 'SCSI target device' (Unprocessed) [1324]
        Page 142, 6.4.2 Standard INQUIRY data, thirteenth paragraph

Change "device" to "SCSI  target device" in two places.

Maxtor 91) 'device' s/b 'SCSI target device' (Unprocessed) [1325]
        Page 142, 6.4.2 Standard INQUIRY data, sixteenth paragraph

Change "device" to "SCSI  target device" in two places.

Maxtor 92) 'device' s/b 'SCSI target device' (Unprocessed) [1326]
        Page 143, 6.4.2 Standard INQUIRY data, seventeenth paragraph

Change "device" to  "SCSI target device" in two places.

Maxtor 93) 'device' s/b 'SCSI target device' (Unprocessed) [1327]
        Page 143, 6.4.2 Standard INQUIRY data, eighteenth paragraph

Change "device" to "SCSI  target device" in two places.

Maxtor 94) 'device' s/b 'SCSI target device' (Unprocessed) [1328]
        Page 144, 6.4.2 Standard INQUIRY data, twenty-fourth paragraph

Change "device" to  "SCSI target device".

Maxtor 95) Cleanup reference to parallel SCSI (Unprocessed) [1329]
        Page 150

Change "…the SCSI Parallel Interface." to, "…by SCSI target devices implementing the SCSI Parallel Interface."

Maxtor 96) 'device' s/b 'SCSI target device' (Unprocessed) [1330]
        Page 150

Change "device" to "SCSI target device".

Maxtor 97) 'device' s/b 'SCSI target device' (Unprocessed) [1331]
        Page 150

Change "device" to "SCSI target device".

Maxtor 98) 'device' s/b 'SCSI target device' (Unprocessed) [1332]
        Page 150

Change "device" to "SCSI target device".

## Maxtor 99) 'device server' s/b 'SCSI target port' (Unresolved) [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) 'device server' s/b 'SCSI target port' (Unresolved) [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) 'device server' s/b 'SCSI target port' (Unresolved) [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) 'device' s/b 'SCSI target device' (Unprocessed) [1336]
        Page 153, 6.5 LOG SELECT command, first paragraph

Change "device" to "SCSI target  device" in two places.

**Maxtor 103) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1337]
        Page 153, 6.5 LOG SELECT command, third paragraph

Change "indicates" to "specifies".

**Maxtor 104) 'defines' s/b 'specifies' (Accepted, Editorial)** [1338]
        Page 154, 6.5 LOG SELECT command, sixth paragraph

Change "defines" to "specifies".

Maxtor 105) 'device' s/b 'SCSI target device' (Unprocessed) [1339]
          Page 155, 6.6 LOG SENSE command, first paragraph

Change "device" to "SCSI target  device".

**Maxtor 106) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1340]
          Page 155, 6.6 LOG SENSE command, first a-b-c list, item a

Change "indicates" to  "specifies".

**Maxtor 107) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1341]
          Page 155, 6.6 LOG SENSE command, first a-b-c list, item b

Change "indicates" to  "specifies".

**Maxtor 108) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1342]
          Page 156, 6.6 LOG SENSE command, fourth paragraph

Change "indicates" to "specifies"  in two places.

**Maxtor 109) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1343]
          Page 156, 6.6 LOG SENSE command, sixth paragraph

Change "identifies" to "specifies".

**Maxtor 110) 'defines' s/b 'specifies' (Accepted, Editorial)** [1344]
          Page 156, 6.6 LOG SENSE command, fifth paragraph

Change "defines" to "specifies".

**Maxtor 111) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1345]
          Page 157, 6.7 MODE SELECT(6) command, sixth paragraph

Change "indicates" to  "specifies" in two places.

**Maxtor 112) 'specified' s/b 'defined' (Accepted, Editorial)** [1346]
          Page 157, 6.7 MODE SELECT(6) command, sixth paragraph

Change "specified" to  "defined".

**Maxtor 113) 'indicates' s/b 'specifies that' (Accepted, Editorial)** [1347]
          Page 158, 6.7 MODE SELECT(6) command, seventh paragraph

Change "indicates" to  "specifies that".

**Maxtor 114) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1348]
          Page 158, 6.7 MODE SELECT(6) command, seventh paragraph

Change "indicates" to  "specifies".

**Maxtor 115) 'identified' s/b 'specified' (Accepted, Editorial)** [1349]
          Page 158, 6.7 MODE SELECT(6) command, seventh paragraph

Change "identified" to  "specified".

Maxtor 116) 'uniquely' s/b 'unique' (Unprocessed) [1350]
          Page 158, 6.7 MODE SELECT(6) command, tenth paragraph

Change "uniquely" to "unique".

**Maxtor 117) 'indicates' s/b 'specifies' & move paragraph (Accepted, Editorial)** [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) 'defines' s/b 'specifies' (Accepted, Editorial)** [1352]
          Page 160, 6.9.1 MODE SENSE(6) command introduction, third paragraph

Change "defines"  to "specifies".

Maxtor 119) 'SCSI devices' s/b 'SCSI target devices' (Unprocessed) [1353]
          Page 160, 6.9.1 MODE SENSE(6) command introduction, fifth paragraph

Change "SCSI  devices" to "SCSI target devices".

## Maxtor 120) MODE SENSE(6) nonsense (Unresolved) [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) MODE SENSE rewrite (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) Rewrite changeable mode page bits description (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."

**Editor's Note:** Expect that the cited sentence will be rewritten as follows:

In the mask, the bits in the fields of the mode parameters that are changeable all shall be set to all one bits and the bits in the fields of the mode parameters that are non-changeable (i.e., defined by the logical unit) all shall be set to all zero bits.

**Maxtor 123) 'indicates' s/b 'specifies' & delete 'in the CDB' (Accepted, Editorial)** [1357]
       Page 164, 6.11.1 PERSISTENT RESERVE IN command introduction, second paragraph

Change "…in the CDB indicates…" to "…specifies…".

**Maxtor 124) Bit acronyms s/b in parentheses (Accepted, Editorial)** [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) Add MSB & LSB (Accepted, Editorial)** [1359]
       Page 186, Table 126 - READ BUFFER header

The "(MSB)" and "(LSB)" are missing.

**Maxtor 126) 'identifies a specific buffer' s/b 'specifies a buffer' (Accepted, Editorial)** [1360]
       Page 186, 6.15.4 Data mode (02h), first paragraph

Change "identifies a specific  buffer" to "specifies a buffer".

Maxtor 127) Change Echo buffer subclause title (Unprocessed) [1361]
       Page 187, 6.15.6 Read Data from echo buffer, clause title

Change to "Echo buffer  mode (0Ah)".

Maxtor 128) Rewrite echo buffer description (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) Rewrite echo buffer description (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) Rewrite echo buffer description (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) Rewrite echo buffer description (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) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1366]
        Page 191, 6.17.1 RECEIVE COPY RESULTS command introduction, third paragraph

Change  "identifies" to "specifies".

**Maxtor 133) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1367]
        Page 191, 6.17.1 RECEIVE COPY RESULTS command introduction, fourth paragraph

Change  "identifies the" to "specifies an".

**Maxtor 134) 'identified' s/b 'specified' (Accepted, Editorial)** [1368]
        Page 192, 6.17.2 COPY STATUS service action, first paragraph

Change "identified" to  "specified".

**Maxtor 135) 'identified' s/b 'specified' (Accepted, Editorial)** [1369]
        Page 193, 6.17.2 COPY STATUS service action, sixth paragraph

Change "identified" to  "specified".

**Maxtor 136) 'identified' s/b 'specified' (Accepted, Editorial)** [1370]
        Page 193, 6.17.2 COPY STATUS service action, seventh paragraph

Change "identified"  to "specified".

**Maxtor 137) 'identified' s/b 'specified' (Accepted, Editorial)** [1371]
        Page 193, 6.17.2 COPY STATUS service action, ninth paragraph

Change "identified" to  "specified".

Maxtor 138) 'require' s/b 'requiring' (Unprocessed) [1372]
        Page 194, 6.17.3 RECEIVE DATA service action, first paragraph

Change "require" to  "requiring".

**Maxtor 139) 'identified' s/b 'specified' (Accepted, Editorial)** [1373]
          Page 198, 6.17.5 FAILED SEGMENT DETAILS service action, first paragraph

Change  "identified" to "specified".

**Maxtor 140) 'was' s/b 'has' (Unprocessed) [1374]**
          Page 200, 6.18 RECEIVE DIAGNOSTIC RESULTS command, a-b-c list, item b

Change "was"  to "has".

**Maxtor 141) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1375]
          Page 201, 6.19 REPORT ALIASES command, third paragraph

Change "indicates" to  "specifies".

**Maxtor 142) REPORT ALIASES returns parameter data (Accepted, Editorial)** [1376]
          Page 202, 6.19 REPORT ALIASES command, sixth paragraph

Change "indicates" to  "specifies".

**Editor's Note:** The cited paragraph describes a field in the parameter data for the REPORT ALIASES command. That parameter data is returned to the application client by the device server. Therefore, 'indicates' is correct.

To clarify that the parameter data is returned, the sentence introducing table 142 will be modified as follows:

   The parameter data ~~for~~ returned by a REPORT ALIASES command (see table 142) contains zero or more alias entries.

**Maxtor 143) 'indicates' s/b 'specifies' (Rejected)** [1377]
          Page 202, 6.19 REPORT ALIASES command, seventh paragraph

Change "indicates" to  "specifies".

**Reason for Rejection:** The cited paragraph describes a field in the parameter data for the REPORT ALIASES command. That parameter data is returned to the application client by the device server. Therefore, 'indicates' is correct.

**Maxtor 144) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1378]
          Page 203, 6.20 REPORT DEVICE IDENTIFIER command, fifth paragraph

Change "indicates"  to "specifies".

**Maxtor 145) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1379]
          Page 208, 6.22 REPORT PRIORITY command, sixth paragraph

Change "specifies" to  "indicates".

**Maxtor 146) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1380]
          Page 211, 6.23.2 All_commands parameter data format, second paragraph

Change  "specifies" to "indicates".

**Maxtor 147) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1381]
          Page 213

Change "indicates" to "specifies".

Maxtor 148) No target reset in SAM-3 (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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1383]
          Page 215, 6.25 REPORT TARGET PORT GROUPS command, third paragraph

Change "indicates"  to "specifies".

**Maxtor 150) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1384]
          Page 216, 6.25 REPORT TARGET PORT GROUPS command, sixth paragraph

Change "specifies"  to "indicates".

**Maxtor 151) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1385]
          Page 218, 6.26 REQUEST SENSE command, second paragraph

Change "indicates" to  "specifies".

**Maxtor 152) 'directs the device server' s/b 'specifies that the device server' (Accepted, Editorial)** [1386]
          Page 221, 6.27 SEND DIAGNOSTIC command, fifth paragraph

Change to "…specifies that  the device server shall perform…".

**Editor's Note:** What the editor thinks is the cited text will be modified as follows:

   A self-test (SELFTEST) bit set to one ~~directs the device server to perform~~ specifies that the device server shall
   perform the logical unit default self-test.

**Maxtor 153) 'requests that the device server' s/b 'specifies that the device server' (Accepted, Editorial)**
 [1387]
          Page 221, 6.27 SEND DIAGNOSTIC command, sixth paragraph

Change to "…specifies that  the device server shall perform…".

**Editor's Note:** What the editor thinks is the cited text will be modified as follows:

   A SELFTEST bit set to zero ~~requests that the device server perform~~ specifies that the device server shall
   perform the diagnostic operation specified by the self-test code field or in the parameter list.

**Maxtor 154) 'grants permission to the device server' s/b 'specifies that the device server may' (Accepted, Editorial)** [1388]
        Page 221, 6.27 SEND DIAGNOSTIC command, seventh paragraph

Change to, "…specifies  that the device server may perform diagnostic operations that may affect…"

**Editor's Note:** What the editor thinks is the cited text will be modified as follows:

A unit offline (UNITOFFL) bit set to one ~~grants permission to the device server to perform~~ specifies that the device server may perform diagnostic operations that may affect the user accessible medium on the logical unit (e.g., write operations to the user accessible medium, or repositioning of the medium on sequential access devices).

**Maxtor 155) 'grants permission to the device server' s/b 'specifies that the device server may' (Accepted, Editorial)** [1389]
        Page 221, 6.27 SEND DIAGNOSTIC command, eighth paragraph

Change to, "…specifies  that the device server may perform diagnostic operations that may affect…"

**Editor's Note:** What the editor thinks is the cited text will be modified as follows:

A SCSI target device offline (DEVOFFL) bit set to one ~~grants permission to the device server to perform~~ specifies that the device server may perform diagnostic operations that may affect all the logical units in the SCSI target device (e.g., alteration of reservations, log parameters, or sense data).

**Maxtor 156) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1390]
        Page 222, 6.28 SET DEVICE IDENTIFIER command, fifth paragraph

Change "indicates" to  "specifies".

**Maxtor 157) Unclear problem in table 172 (Rejected)** [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?

**Reason for Rejection:** The structure of the table looks fine to me. The description for the 00b row contains two paragraphs. In the 01b row, there are three paragraphs. In the 10b row, there are two paragraphs. In the 11b row (the fourth row by my count), there is one paragraph containing one word, 'Reserved'.

**Maxtor 158) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1392]
        Page 225, 6.29 SET PRIORITY command, ninth paragraph

Change "indicates" to  "specifies".

**Maxtor 159) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1393]
        Page 226, 6.30 SET TARGET PORT GROUPS command, third paragraph

Change "indicates" to  "specifies".

Maxtor 160) Move error conditions description (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) Move error conditions description (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) Move error conditions description (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) 'identifies a specific' s/b 'specifies' (Accepted, Editorial)** [1397]
        Page 234, 6.33.7 Download microcode with offsets (06h), fifth paragraph

Change  "…identifies a specific…" to "…specifies…".

**Editor's Note:** '~~identifies a specific~~' will be changed to 'specifies a'. Making the change as proposed will remove the article 'a'.

**Maxtor 164) 'identified' s/b 'specified' (Accepted, Editorial)** [1398]
        Page 234, 6.33.7 Download microcode with offsets (06h), fifth paragraph

Change  "identified" to "specified".

Maxtor 165) Delete 'attempt to' (Unprocessed) [1399]
        Page 234, 6.33.7 Download microcode with offsets (06h), seventh paragraph

Delete  "attempt to".

Maxtor 166) Move error conditions description (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) Replace 'may' in description of initiator option (Unresolved) [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) Replace 'may' in description of initiator option (Unresolved) [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) 'identifies a specific' s/b 'specifies' (Accepted, Editorial) [1403]
        Page 235, 6.33.8 Download microcode with offsets and save mode (07h), thirteenth paragraph

Change "identifies a specific" to "specifies".

**Editor's Note:** 'identifies a specific' will be changed to 'specifies a'. Making the change as proposed will remove the article 'a'.

### Maxtor 170) 'identified' s/b 'specified' (Accepted, Editorial) [1404]
        Page 235, 6.33.8 Download microcode with offsets and save mode (07h), thirteenth paragraph

Change "identified" to "specified".

Maxtor 171) Delete 'attempt to' (Unprocessed) [1405]
        Page 235, 6.33.8 Download microcode with offsets and save mode (07h), fifteenth paragraph

Delete "attempt to".

Maxtor 172) Change Echo buffer subclause title (Unprocessed) [1406]
        Page 235, 6.33.9 Write data to echo buffer (0Ah)

Change clause title to "Echo buffer  mode (0Ah)".

Maxtor 173) Be specific about what 'it' is (Unprocessed) [1407]
        Page 235, 6.33.9 Write data to echo buffer (0Ah), second paragraph

Change "it" to  "the data".

Maxtor 174) Delete 'attempt to' (Unprocessed) [1408]
        Page 235, 6.33.9 Write data to echo buffer (0Ah), third paragraph

Delete "attempt  to".

## Maxtor 175) Replace 'may' in description of initiator option (Unresolved) [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) 'identifies' s/b 'indicates' (Accepted, Editorial) [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."

**Editor's Note:** The third paragraph will be modified as follows (note that the choice of paragraphs to modify is based on the paragraph number, not on the cited text):

    The value in the PAGE CODE field identifies which is the number of the log page is being transferred.

**Maxtor 177) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1411]
　　　　Page 243, 7.2.1 Log page structure and page codes for all device types, fourth paragraph

Change "specifies" to "contains".

**Editor's Note:** The fourth paragraph will be modified as follows (note that the choice of paragraphs to modify is based on the paragraph number):

　　The value in the PAGE LENGTH field ~~specifies~~ is the length in bytes of the following log parameters.

**Maxtor 178) 'indicated' s/b 'specified' (Rejected)** [1412]
　　　　Page 244, 7.2.1 Log page structure and page codes for all device types, ninth paragraph

Change "indicated" to "specified".

**Reason for Rejection:** Considering the number of 'indicates' left on this page, making this change is just a drop in the bucket.

**Maxtor 179) 'indicated' s/b 'specified' (Rejected)** [1413]
　　　　Page 244, 7.2.1 Log page structure and page codes for all device types, tenth paragraph

Change "indicated" to "specified".

**Reason for Rejection:** Considering the number of 'indicates' left on this page, making this change is just a drop in the bucket.

Maxtor 180) 'is' s/b 'contains' (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) 'is' s/b 'are' (Unprocessed) [1415]
　　　　Page 253, 7.2.5 Informational Exceptions log page, fifth paragraph

Change "is" to  "are".

Maxtor 182) Delete 'an' (Unprocessed) [1416]
　　　　Page 254, 7.2.7 Last n Error Events log page, second paragraph

Delete "an".

**Maxtor 183) Cleanup PROTOCOL IDENTIFIER field definition (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows (note the editor believes that these are exactly the changes proposed):

　　The PROTOCOL IDENTIFIER field ~~contain~~ contains one of the values shown in table 256 (see 7.5.1) to ~~indicate~~ identify the SCSI transport protocol standard that defines the SCSI transport protocol specific data in this log parameter.

Maxtor 184) Start-Stop Cycle Counter log parameters cleanup (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) 'device' s/b 'SCSI target device' (Unprocessed) [1419]
        Page 260

Change "device" to "SCSI target device".

Maxtor 186) Start-Stop Cycle Counter log parameters cleanup (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) Start-Stop Cycle Counter log parameters cleanup (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) 'specified' s/b 'defined' in log parameter control bits definition (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows:

For the log parameter in which the parameter code value is 0001h, the values ~~The state~~ of the parameter control bits ~~for parameter 0001h is specified~~ are defined in table 215.

**Maxtor 189) 'specified' s/b 'defined' in log parameter control bits definition (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows:

For the log parameter in which the parameter code value is 0002h, the values ~~The state~~ of the parameter control bits ~~for parameter 0002h is specified~~ are defined in table 216.

**Maxtor 190) Delete 'as part' (Rejected)** [1424]
	Page 261, 7.2.11 Start-Stop Cycle Counter log page, fourth paragraph

Delete as part  of above.

**Reason for Rejection:** The words 'as part' do not appear in subclause 7.2.11.

Maxtor 191) Start-Stop Cycle Counter log parameters cleanup (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) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1426]
	Page 261, 7.2.12 Supported Log Pages log page, third paragraph

Change "specifies" to  "indicates".

**Maxtor 193) 'specified' s/b 'defined' in log parameter control bits definition (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows:

For the log parameter in which the parameter code value is 0003h, the values ~~The state~~ of the parameter control bits ~~for parameter 0003h is specified~~ are defined in table 217.

**Maxtor 194) 'specified' s/b 'defined' in log parameter control bits definition (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows:

For the log parameter in which the parameter code value is 0004h, the values ~~The state~~ of the parameter control bits ~~for parameter 0004h is specified~~ are defined in table 217.

Maxtor 195) Temperature log parameters cleanup (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) Temperature log parameters cleanup (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 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) Page footnote (No Action Taken)** [1431]
        Page 269, 7.3.2.2.8 MEDIUM USAGE HISTORY below the sixteenth paragraph

Is this  supposed to be some kind of note?

**Editor's Note:** Yes. It is a page footnote, written in complete conformance with the ISO style guide and agreed by T10 during the incorporation of 99-148r7. It was felt that repeating the text in each definition would obscure the more important points in the definition. The page footnote was the solution to that problem.

**Maxtor 198) Page footnote (No Action Taken)** [1432]
        Page 271, 7.3.2.2.9 PARTITION USAGE HISTORY, below the fifteenth paragraph

Is this  supposed to be some kind of note?

**Editor's Note:** Yes. It is a page footnote, written in complete conformance with the ISO style guide and agreed by T10 during the incorporation of 99-148r7. It was felt that repeating the text in each definition would obscure the more important points in the definition. The page footnote was the solution to that problem.

Maxtor 199) Clarify 'six-byte CDB mode parameter header' (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) Mode page values may not be changeable (Unresolved) [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) Clarify 'ten-byte CDB mode parameter header' (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) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1436]
     Page 276, 7.4.3 Mode parameter header formats, third paragraph

Change "specifies" to  "indicates".

**Maxtor 203) 'specifies' s/b 'contains' (Accepted, Editorial)** [1437]
     Page 276, 7.4.3 Mode parameter header formats, seventh paragraph

Change "specifies"  to "contains".

**Maxtor 204) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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)."

**Editor's Note:** The cited text will be modified as follows:

> The If the Long LBA (LONGLBA) bit is set to zero, indicates the mode parameter block descriptors are eight bytes long and have the format described in 7.4.4.1. A If the LONGLBA bit is set to one, indicates the mode parameter block descriptors are sixteen bytes long and have a format described in a command standard (see 3.1.18).

## Maxtor 205) Remove TAS bit (Unresolved) [1439]
     Page 280, Table 239 - Control mode page
     See also comment HP 390)

Change "TAS" to "VS".

## Maxtor 206) Remove TAS bit (Unresolved) [1440]
     Page 282, 7.4.6 Control mode page, paragraph thirteen
     See also comment HP 390)

Delete this paragraph.

**Editor's Note:** These changes are not sufficient. The TAS bit is referenced by SAM-3. It must be defined somewhere in SPC-3.

## Maxtor 207) Remove TAS bit (Unresolved) [1441]
     Page 282, 7.4.6 Control mode page, below paragraph thirteen
     See also comment HP 390)

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) Insert 'and' (Unprocessed) [1442]
     Page 284, 7.4.7 Control Extension mode page, first paragraph

Change "provides" to  "…and provides".

## Maxtor 209) Disconnect-Reconnect unit attentions (Unresolved) [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) Disconnect-Reconnect cleanup (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) 'indicates' s/b 'specifies'  move 'during read operations' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies'  move 'during write operations' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [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) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1448]
Page 286, 7.4.8 Disconnect-Reconnect mode page, tenth paragraph

Change "indicates  the maximum time" to "specifies the maximum time".

**Maxtor 215) 'indicates' s/b 'specifies' (Accepted, Editorial)** [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) 'specify' s/b 'define' (Accepted, Editorial)** [1450]
Page 286, 7.4.8 Disconnect-Reconnect mode page, tenth paragraph

Change "specify  different units" to "define different units".

**Maxtor 217) 'specify' s/b 'define' (Accepted, Editorial)** [1451]
Page 286, 7.4.8 Disconnect-Reconnect mode page, twelfth paragraph

Change "specify  different units" to "define different units".

**Maxtor 218) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1452]
        Page 286, 7.4.8 Disconnect-Reconnect mode page, eleventh paragraph

Change "indicates  the minimum time" to "specifies the minimum time".

**Editor's Note:** Based on the example shown in comment Maxtor 215), the second 'indicates' in the cited paragraph will also be changed to 'specifies'.

**Maxtor 219) 'specify' s/b 'define' (Accepted, Editorial)** [1453]
        Page 286, 7.4.8 Disconnect-Reconnect mode page, eleventh paragraph

Change "specify  different units" to "define different units".

**Maxtor 220) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1454]
        Page 286, 7.4.8 Disconnect-Reconnect mode page, twelfth paragraph

Change "indicates  the maximum duration" to "specifies the maximum duration".

**Editor's Note:** Based on the example shown in comment Maxtor 215), the second 'indicates' in the cited paragraph will also be changed to 'specifies'.

**Maxtor 221) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1455]
        Page 287, 7.4.8 Disconnect-Reconnect mode page, fifteenth paragraph

Change  "indicates" to "specifies".

**Maxtor 222) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1456]
        Page 287, 7.4.8 Disconnect-Reconnect mode page, sixteenth paragraph

Change  "indicates" to "specifies".

**Maxtor 223) 'indicate' s/b 'specify' (Accepted, Editorial)** [1457]
        Page 287, 7.4.8 Disconnect-Reconnect mode page, sixteenth paragraph

Change  "indicate" to "specify".

**Maxtor 224) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1458]
        Page 287, 7.4.8 Disconnect-Reconnect mode page, seventeenth paragraph

Change  "indicates" to "specifies" in two places.

**Maxtor 225) 'indicates' s/b 'specifies' (Accepted, Editorial)** [1459]
        Page 287, 7.4.8 Disconnect-Reconnect mode page, nineteenth paragraph

Change  "indicates" to "specifies".

**Maxtor 226) 'specified' s/b 'defined' (Accepted, Editorial)** [1460]
        Page 287, 7.4.8 Disconnect-Reconnect mode page, sixteenth paragraph

Change  "specified" to "defined".

**Maxtor 227) 'specified' s/b 'defined' (Accepted, Editorial)** [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) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows:

If the ~~The~~ log errors (LOGERR) bit is set to zero, ~~indicates that~~ the logging of informational exception conditions by a device server is vendor specific. If the ~~A~~ LOGERR bit is set to one, ~~indicates~~ the device server shall log informational exception conditions.

**Maxtor 229) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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."

**Editor's Note:** The cited text will be modified as follows:

If the ~~An~~ enable warning (EWASC) bit is set to zero, ~~indicates~~ the device server shall disable reporting of the warning.

**Maxtor 230) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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.)

**Editor's Note:** The cited text will be modified as follows:

If the ~~An~~ EWASC bit is set to one, ~~indicates~~ warning reporting shall be enabled.

**Maxtor 231) Apply 'above' changes (No Action Taken)** [1465]
Page 290, 7.4.11 Informational Exceptions Control mode page, seventh paragraph, third sentence

see above.

**Editor's Note:** This comment appears to apply to the sentence that is continued on the next page mentioned in comment Maxtor 230).

**Maxtor 232) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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)."

**Editor's Note:** The two paragraphs will not be combined in to one. The first two sentences will be modified as follows:

> If background functions are supported, an and the Enable Background Function (EBF) bit is set to one, then indicates the device server shall enable background functions. If the An EBF bit set is to zero, indicates the device server shall disable the functions.

**Maxtor 233) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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.

**Editor's Note:** The cited text will be modified as follows:

> If the A performance (PERF) bit set is to zero, indicates that informational exception operations that are the cause of delays are acceptable. If the A PERF bit is set to one, indicates the device server shall not cause delays while doing informational exception operations.

**Maxtor 234) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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)."

**Editor's Note:** The cited text will be modified as follows:

> The value in the method of reporting informational exceptions (MRIE) field (MRIE) indicates defines the methods that shall be used by the device server to report informational exception conditions (see table 251).

**Maxtor 235) Eliminate redundant wording (Accepted, Editorial)** [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…"

**Editor's Note:** Because eliminating the word report (as specified by the comment) would result in the loss of critical information, the cited six instances of text will be modified as follows:

> This method instructs the The device server shall to …

**Maxtor 236) Duplicate of comment Maxtor 235) (No Action Taken)** [1470]
        Page 290, Table 251 - Method of reporting informational exceptions (MRIE) field

see  above.

**Maxtor 237) Duplicate of comment Maxtor 235) (No Action Taken)** [1471]
　　　　Page 290, Table 251 - Method of reporting informational exceptions (MRIE) field

see  above.

**Maxtor 238) Duplicate of comment Maxtor 235) (No Action Taken)** [1472]
　　　　Page 291, Table 251 - Method of reporting informational exceptions (MRIE) field

see  above.

**Maxtor 239) Duplicate of comment Maxtor 235) (No Action Taken)** [1473]
　　　　Page 291, Table 251 - Method of reporting informational exceptions (MRIE) field

see  above.

**Maxtor 240) Duplicate of comment Maxtor 235) (No Action Taken)** [1474]
　　　　Page 291, Table 251 - Method of reporting informational exceptions (MRIE) field

see  above.

**Maxtor 241) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [1475]
　　　　Page 291

Change "The INTERVAL TIMER field indicates…" to, "The value in the INTERVAL TIMER field is…"

**Maxtor 242) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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…"

**Editor's Note:** It is not clear what the interval timer has to do with the cited text. The cited text will be modified as follows:

　　　The value in the REPORT COUNT field is indicates …

**Maxtor 243) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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) Neutralize indicates/specifies question in mode page field (Accepted, Editorial)** [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) 'specifies' s/b 'contains' & 'protocol' s/b 'protocol identifier' (Accepted, Editorial)** [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) 'specifies' s/b 'contains' & 'protocol' s/b 'protocol identifier' (Accepted, Editorial)** [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) 'specifies' s/b 'contains' & 'protocol' s/b 'protocol identifier' (Accepted, Editorial)** [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) Rewrite EXTENDED COPY target descriptor introduction (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) Capitalize World Wide Name (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) Rewrite EXTENDED COPY target descriptor introduction (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) Rewrite EXTENDED COPY target descriptor introduction (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) Rewrite EXTENDED COPY target descriptor introduction (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) Rewrite EXTENDED COPY target descriptor introduction (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) Rewrite EXTENDED COPY target descriptor introduction (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) 'identify' s/b 'specify' (Accepted, Editorial)** [1489]
          Page 310, 7.5.4.1 Overview of TransportID identifiers, first paragraph

Change  "identify" to "specify".

**Maxtor 256) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1490]
          Page 311, 7.5.4.1 Overview of TransportID identifiers, third paragraph

Change  "identifies" to "specifies".

**Maxtor 257) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1491]
          Page 311, 7.5.4.1 Overview of TransportID identifiers, fourth paragraph

Change  "identifies" to "specifies".

**Maxtor 258) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1492]
          Page 311, 7.5.4.2 TransportID for initiator ports using SCSI over Fibre Channel, first paragraph

Change "identifies" to "specifies".

**Maxtor 259) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1493]
          Page 312, 7.5.4.3 TransportID for initiator ports using a parallel SCSI bus, first paragraph

Change "identifies" to "specifies".

**Maxtor 260) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1494]
          Page 312, 7.5.4.4 TransportID for initiator ports using SCSI over IEEE 1394, first paragraph

Change "identifies" to "specifies".

**Maxtor 261) 'identifies' s/b 'specifies' (Accepted, Editorial)** [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) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1496]
          Page 313, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, first paragraph

Change "identifies" to "specifies".

**Maxtor 263) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1497]
          Page 313, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, third paragraph

Change "identifies" to "specifies".

**Maxtor 264) 'identifies' s/b 'specifies' (Accepted, Editorial)** [1498]
          Page 314, 7.5.4.6 TransportID for initiator ports using SCSI over Internet SCSI, eighth paragraph

Change "identifies" to "specifies".

Maxtor 265) Remove 'is' (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) Remove 'is' (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) 'identifies' s/b 'specifies' (Accepted, Editorial)** [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) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1502]
> Page 319, 7.6.4.1 Device Identification VPD page overview, fifth paragraph

Change "specifies" to "indicates".

**Maxtor 269) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1503]
> Page 320, 7.6.4.1 Device Identification VPD page overview, eleventh paragraph

Change "specifies" to "indicates".

**Maxtor 270) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1504]
> Page 320, 7.6.4.1 Device Identification VPD page overview, twelfth paragraph

Change "specifies" to "indicates".

**Maxtor 271) 'specifies' s/b 'indicates' (Accepted, Editorial)** [1505]
> Page 321

Change "specifies" to "indicates".

Maxtor 272) Expunge another ly word (Unprocessed) [1506]
> Page 321, 7.6.4.2 Vendor specific identifier format, first paragraph

Delete "consequently".

**Maxtor 273) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) Identifier field changes (Unresolved)** [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) 'identifies' s/b 'indicates' (Accepted, Editorial)** [1516]
        Page 326, 7.6.4.6 Relative target port identifier format, second paragraph

Change  "identifies" to "indicates".

**Maxtor 283) Spell out acronym on first use (Rejected)** [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)".

**Reason for Rejection:** Since this recommendation was not made for CDB, it will not be applied to ACL.

**Maxtor 284) Spell out acronym on first use (Rejected)** [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)".

**Reason for Rejection:** Since this recommendation was not made for CDB, it will not be applied to ACE.

**Maxtor 285) Spell out acronym on first use (Rejected)** [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)".

**Reason for Rejection:** Since this recommendation was not made for CDB, it will not be applied to LUACD.

Maxtor 286) 'setup' s/b 'set up' (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) Move TRANSFER LENGTH definition to SBC-2 (Unresolved) [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) 'blocks' s/b 'blocks or bytes' (Unprocessed) [1522]
          PDF Pg 73 1st P, past sentence

"blocks" SB "blocks or bytes".

Quantum 3) 'for returned data' s/b 'in the Data-In Buffer' (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) 'sense data' is not correct (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) Move maximum value allocation length rule (Unresolved) [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) Fixup ASC field and ASCQ field definitions to match glossary 'additional sense code' (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 INFOR-MATION" if the device server does not have further information. The addition sense code of NO ADDITONAL SENSE INFORMATION defines both the ASC and ASCQ value, so this sentence is not required.

### Quantum 7) Remove part of persistent reservations description (Unresolved) [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) 'the' s/b 'a' (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) Modify persistent reservations overview (Unresolved) [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) 'each' s/b 'one or more' (Rejected)** [1530]
          PDF Pg 107 1st P on page

"register each I_T nexus" SB "register one or more I_T nexus".

**Reason for Rejection:** An I_T nexus that is not registered cannot participate in persistent reservations. The word 'each' is critical in this context.

**Quantum 11) Drop persistent reservations scope (Rejected)** [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.

**Reason for Rejection:** The SCOPE field has not been made obsolete. There appear to be no comments requesting that it be made obsolete. Therefore, the scope is information that must be preserved for a reservation.

Quantum 12) Incorrect cross reference (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) Replace redundant persistent reservations paragraphs with cross
## reference (Unresolved) [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) Delete redundant persistent reservations sentence (Unresolved) [1534]
          PDF Pg 119 4th P

This sentence is redundant with 5.6.10.2 and should be removed.

**Quantum 15) 'until' s/b 'unless' (Rejected)** [1535]
          PDF Pg 119 5th P

"released until the registrations" SB "released unless the registrations"

**Reason for Rejection:** 'unless' suggests a single action that releases all the cited registrations. 'until' suggests a step-wise process and that is the intent.

Quantum 16) RESERVE ELEMENT and RELEASE ELEMENT are obsolete (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) CHECK CONDITION for INQUIRY is contradictory (Rejected)** [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.

**Reason for Rejection:** There is only one statement about when to return a CHECK CONDITION and it describes a condition where the device server is not able to return the requested data because what data is being requested is not clear (i.e., the requirement is not in conflict with the cited sentence).

Quantum 18) Remove linkage between HISUP bit an REPORT LUNS support (Unprocessed) [1538]
        PDF Pg 187 last P, last 2 S

According to table 42, REPORT LUNS command is always mandatory.

**Editor's Note:** Expect to be resolved as described in comment HP 161).

**Quantum 19) MULTIP cases are not covered (Rejected)** [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.

**Reason for Rejection:** It looks like the two other cases would be:

* Has two or more port and does no support the multi-port requirements — **Nonsense**
* Has only one port and supports the multi-port requirements — **Nonsense**

Quantum 20) Fixup MCHNGR bit definition (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) Fixup MCHNGR bit definition (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) Clarify what about the SP bit is optional (Unresolved)** [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) 'page header' not defined (No Action Taken)** [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".

**Editor's Note:** Cannot find 'page header' on PDF page 205.

## Quantum 24) How does I_T nexus loss affect PREVENT ALLOW MEDIUM REMOVAL? (Unresolved) [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) What is 'page header' for diagnostic pages? (Unresolved) [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) What is 'page header' for log pages? (Unresolved) [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) Add 'mode parameter headers' (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) 'transfer length' should be in smallcaps (Unprocessed) [1548]
       PDF Pg 323 last P on page

"transfer length" SB small caps.

Quantum 29) 'target' s/b 'Target' as first word in a sentence (Unprocessed) [1549]
       PDF Pg 332 5th and 6th P

Capitalize target.

Quantum 30) Unclear relationship between subpage code 0 and sub_page format usage (Unprocessed) [1550]
        PDF Pg 334.   7.4.9 1st P
        See comment Sun 27)

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.

**Editor's Note:** Expect cited sentence to be split into two sentences, removing the 'therefore' and thus the non-relationship relationship.

Quantum 31) Unclear relationship between subpage code 0 and sub_page format usage (Unprocessed) [1551]
        PDF Pg 334 7.4.10, 1st P, 2nd S
        See comment Sun 27)

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.

**Editor's Note:** Expect cited sentence to be split into two sentences, removing the 'therefore' and thus the non-relationship relationship.

## Quantum 32) Relative target port identifiers specified twice (Unresolved) [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) Insert 'on' (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) Insert 'for these commands' (Unresolved) [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) Should REGISTER AND MOVE be restricted to reservation holder? (Unresolved) [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) Should REGISTER AND MOVE be restricted to reservation holder? (Unresolved) [1556]
        Pages 71-72, 5.6.7, and Page 64, Table 32

It is unclear whether or not a Resister 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 the 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) Which reservation key? (Unresolved) [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) Reservation preempting question (Unresolved) [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) 'initiator port' s/b 'I_T nexus' (Unresolved) [1559]

Page 79, 5.6.10.5
Comment HP 107) is similar

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) 'reservation being preempted' s/b 'reservation or registration being preempted' (Unresolved) [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) All Registrants question (Unresolved) [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) Multiple port behavior subclause issue (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.

**Editor's Note:** Comment HP 114) proposes removing the whole list.

### Sun 11) 'initiator port' s/b 'I_T nexus' (Unresolved) [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) Remove per initiator port mode page policy (Unresolved) [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.'

**Editor's Note:** Needs to be coordinated with several HP comments.

Sun 13) List service actions that ignore the SERVICE ACTION RESERVATION KEY (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.

253

Sun 14) Add REGISTER AND MOVE information to valid parameters table (Unprocessed) [1566]
        Page 177-178, 6.12.3, Table 114
       See also comment HP 216)

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.

**Editor's Note:** Expect row to be added as described.

## Sun 15) 'initiator port' s/b 'I_T nexus' (Unresolved) [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) REPORT LUNS changes (Unresolved) [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) 'I_T_L nexus' s/b 'I_T nexus' (Unresolved) [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) TARGET RESET is not in SAM-3 (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) REPORT TARGET PORT GROUPS cleanup (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 Inqiury VPD identifier as is done in the paragraph describing the RELATIVE TARGET PORT (e.g. see 7.6.4)

## Sun 20) REPORT TARGET PORT GROUPS rewording (Unresolved) [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) 'initiator port' s/b 'I_T nexus' (Unresolved) [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) Remove per initiator port mode page policy (Unresolved) [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.

**Editor's Note:** Needs to be coordinated with several HP comments.

## Sun 23) TMF_ONLY definition changes (Unresolved) [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.'

**Editor's Note:** There are numerous cases were introductory text is not used in bit/field definitions. The stilted wording that will be required in this case recommends against it.

## Sun 24) Change Task Set Type (TST) definition (Unresolved) [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) 'initiator port' s/b 'I_T nexus' (Unresolved) [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) Spellout special QERR behavior when TST is 001b (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) Unclear relationship between subpage code 0 and sub_page format usage (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?

**Editor's Note:** Expect to be resolved as described in comment Quantum 30) and comment Quantum 31), respectively.

## Sun 28) Remove per initiator port mode page policy (Unresolved) [1580]
       Page 289, 7.4.11

Remove 'per initiator port' from last sentence of first paragraph of page/section.

**Editor's Note:** Needs to be coordinated with several HP comments.

## Sun 29) Port name ID descriptor requirements (Unresolved) [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) Remove per initiator port mode page policy (Unresolved) [1582]
Page 335, Table 319

Remove 10b - 'Per initiator port' row from table.

**Editor's Note:** Needs to be coordinated with several HP comments.

## Sun 31) Serial number should be left-aligned (Rejected) [1583]
Page 340, 7.6.11

Last paragraph on page says to 'right-align' the serial number. I think it should be 'left-aligned'.

**Reason for Rejection:** SCSI-2 says:

The least significant ASCII character of the serial number shall appear as the last byte of a successful data transfer.

SPC says:

The least significant ASCII character of the serial number shall appear as the last byte in the Data-In Buffer.

SPC-2 says:

The least significant ASCII character of the serial number shall appear as the last byte in the Data-In Buffer.

The terminology that is most consistent with the history of SCSI on this subject is 'right-aligned'. Unless the desire is to make a substantive change, the text is staying 'right-aligned'.

## 11. Veritas Software

Roger Cummings from Veritas Software submitted the following comments on a No vote.

**Veritas 1) There is just one shared command set (Accepted, Editorial)** [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)"

**Editor's Note:** The figure is right. The text will be modified to match the figure.

## Veritas 2) RFC 790 is obsolete (Unresolved) [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"

**Editor's Note:** Comments Veritas 25), Veritas 26), and Veritas 27) describe how the references to RFC 790 should be updated in all but two of the instances (see pg 309) where RFC 790 appears.

## Veritas 3) RFC 1035 reference needs augmenting (Unresolved) [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."

**Editor's Note:** The Veritas comments do not describe how the references to RFC 1035 should be updated.

**Veritas 4) iSCSI is RFC 3720[3] (Accepted, Editorial)** [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)"

**Editor's Note:** In addition to the changes described in this comment, the paragraph describing iSCSI as a standard that is under development and note 1 describing the development status of iSCSI will be removed.

Veritas 5) Delete 'blocked' (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) Get the number of 'or's in the list right (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."

**Editor's Note:** It is unclear how turning two 'or's into three helps.

Veritas 7) Capitalize Internet Engineering Task Force (Unprocessed) [1590]
        PDF pg 57, pg 11, 3.1.77 request for comment
        See comment Maxtor 11)

Correctly capitalize body name

Proposed Solution:

"The name given to standards developed by the Internet Engineering Task Force (IETF) (see 2.4)"

Veritas 8) Incorrect cross reference (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) Missing cross reference (Unresolved)** [1592]
> PDF pg 60, pg 14, 3.2 Acronyms

Add clause reference

Proposed Solution:

"IETF Internet Engineering Task Force (see 2.4)

Veritas 10) Add SCC-3 acronym and reference to standards in development (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)"

**Editor's Note:** The only usage of SSC-3 that matters is the one in table 14 (Sense data descriptor types). However, that is a normative reference, requiring addition of both the proposed acronym and an entry in 2.3 (References under development).

Veritas 11) Add UTF-8 acronym and normative reference (Unprocessed) [1594]
> PDF pg 73, pg 27, 4.4.2 Null data field termination and zero padding requirements
> See also comment Brocade 21)

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) Commands that all device servers shall implement (Unresolved)** [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) 'other' s/b 'a' (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) RESERVATION CONFLICT with MODE SENSE and LOG SENSE (Unresolved)
[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) RESERVATION CONFLICT with TEST UNIT READY (Unresolved) [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) RESERVATION CONFLICT with READ and WRITE (Unresolved) [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) Add cross reference (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) ALL_TG_PT and hierarchical logical units (Unresolved) [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) Add cross references (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) Add MAINTENANCE OUT/IN to table footnote (Rejected) [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."

**Reason for Rejection:** This proposal is the camel's nose under the tent. What about the ABh operation code? What about the 9Eh operation code (whenever T10 starts using it)? Soon enough, the table footnote will be bigger than the table.

## Veritas 21) Add READ and WRITE commands to SPC-3 (Unresolved) [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) Delete 'informative' (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) ALL_TG_PT and hierarchical logical units (Unresolved) [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) iSCSI is RFC 3720 (Accepted, Editorial) [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) Update RFC references (Unresolved) [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) Update RFC references (Unresolved)** [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) Update RFC references (Unresolved)** [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)"

## 12. Late Comments

The following issues were discovered during the letter ballot comments resolution process.

Other 1) 9pt text s/b 10pt (Unprocessed) [1611]
          pg 141, table 82, 80h - 84h row

'Obsolete' is in 9pt type. It should be in 10pt type.