

May 8, 1987

To: Mr. John B. Lohmeyer (X3T9.2 Chairman)
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Actions recommended for May working group: SCSI-2 Rev. 1

Add the following Additional Sense codes and descriptions:

- Page 8-84 RECOVERED ERROR
37h Rounded Parameter Code
- Page 8-85 ILLEGAL REQUEST
39h Save Parameters Not Supported
(See Page 8-51 Par. B.1.10.4)
- 3Ch Link/Flag bit not supported
(See Page 6-8 [] note has no code)

In the Additional Sense Code Table, Page 8-84 (MEDIUM ERROR), Delete [] note

Recommendation for for all Group 0 and Group 1 Commands:

Remove all Vendor Unique code types and make them Reserved. (It would seem that the vendor unique groups are sufficient codes for new designs).

Page 6-9 Table 6-7
Change format to the following:

Status Byte Code Bit Values

| Bits of Status Byte | | | | | | | | Status(es) Represented |
|---------------------|---|---|---|---|---|---|---|---------------------------------|
| 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | |
| R | R | R | 0 | 0 | 0 | 0 | R | GOOD |
| R | R | R | 0 | 0 | 0 | 1 | R | CHECK CONDITION |
| R | R | R | 0 | 0 | 1 | 0 | R | CONDITION MET/GOOD |
| R | R | R | 0 | 1 | 0 | 0 | R | BUSY |
| R | R | R | 1 | 0 | 0 | 0 | R | INTERMEDIATE/GOOD |
| R | R | R | 1 | 0 | 1 | 0 | R | INTERMEDIATE/CONDITION MET/GOOD |
| R | R | R | 1 | 1 | 0 | 0 | R | RESERVATION CONFLICT |

All other codes Reserved

Key: R - Reserved bit

Page 8-36

Byte 0 of table should have page code in hex (05h)

In Request Sense Description Page 7-5 last paragraph:
Use the committee approved wording in place of the current paragraph:
'The additional sense codes and the additional sense code qualifiers are defined in the command descriptions section for each device type. These codes provide additional information related to the condition that caused the CHECK CONDITION status.'

Remove all references to 'extended sense' in the document and substitute 'sense data' or 'sense' as appropriate. Page 8-72 last paragraph is an example (An editorial find/replace and wordsmith job)

Page 8-65 and 8-67 BytChk Bit paragraph:

Reword as follows:
'A byte check (BytChk) bit of zero causes a medium verification only without any data transfer. ECC and CRC will be utilized as specified in the Mode Set command data. If an error occurs, check condition with medium error (if no ecc/crc) or recovered error (if ecc/crc permits recovery).'

Recommend new wording for the description of WRTSME

Page 8-66 1st paragraph
Page 8-62 last paragraph
'A Write Same (WRTSME) bit of zero permits a normal write. A WRTSME bit of one causes a Write Same function to occur. Only one logical block of data shall be sent during the Data Out Phase, regardless of the transfer length. The transfer length specifies the number of contiguous logical blocks to be written. All logical blocks written shall be written with the same data as the first logical block. A transfer length of zero, when the WRTSME bit is one, shall cause the data to be continuously written from the logical block address specified in the command block to the last addressable logical block.'

The following page lengths are incorrect:

| Page # | Table # | is | should be |
|--------|---------|-----|-----------|
| 8-34 | 8-22 | 11h | 12h |
| 8-36 | ? | ? | 1Eh |
| 9-24 | 9-17 | 0Ch | 0Ah |
| 9-29 | 9-19 | ? | 0Ah |
| 9-31 | 9-20 | ? | 0Eh |
| 15-10 | 15-8 | 09 | 0Ah |
| 15-11 | 15-9 | 0Dh | 0Eh |

Recommend that SCSI-2 be a set of standards, rather than one standard. The volume of SCSI-2 is overwhelming and unmanageable. Recommend that we do a physical standard and command set standards for the various device types. An advantage of this approach is that we probably could finish the direct access command set and the tape command set and get it out whilst we argue about wider SCSI and erasable optical command sets. We should also include all the commands for a device type in that section, including the appropriate common commands. And the commands should be in alphabetical order.

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