



X3T9.2/87-97

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To: John Lohmeyer, Chairman X3T9.2

From: Dan Davies

Subj: Clarification of Additional Sense Codes for BLANK CHECK

During the Minneapolis Working Group, I was assigned an action item to clarify the meaning of the additional sense codes 2Eh and 2Fh in the sequential access section 9.3. After meeting with several members of the Tape Working Group, the following conclusions were reached:

The definition of the BLANK CHECK Sense Key on page 7-9 states:

"... a write-once read-multiple device or a sequential-access device encountered blank medium or a format-defined end-of-data indication while reading ... "

Format-defined end-of-data corresponds to the setting of the EOD Defined field in Mode Sense, page 10h. If the target encounters blank medium when the EOD Defined field is equal to 010b (number of filemarks defines EOD), the sense code should be set to 2Eh, Blank Medium Detected, to distinguish this "unexpected" BLANK CHECK indication from format-defined EOD.

A separate sense code for reporting this condition at BOT seems unneeded because the initiator could imply the logical position.

Since format-defined end-of-data would be the "expected" BLANK CHECK indication, a sense code indicating Logical End-of-Data encountered is unnecessary.

Based on these conclusions, the following changes are recommended for page 9-61:

- 1) Change sense code 2Eh to "Blank Medium Detected" to keep wording consistent with BLANK CHECK definition.
- 2) Delete sense code 2Fh, "Void at BOT."
- 3) Delete sense code 35h, "Logical End of Data."