REQUEST SENSE
Recoverable Error, Residue=0
Where the Recoverable error was encountered on the 100 block
WRITE command; and, the 10 block WRITE command is below
the buffer threshold to start writing, so it's still in the buffer.

REWIND
Good Status

will cause the 10 blocks waiting in the buffer to be written to be discarded, because
theREWIND command followed a command with a CHECK CONDITION.
What is
expected is that the REWIND command would flush the buffer to the tape before
performing the rewind operation.

There are reasons a CHECK CONDITION could occur on the WRITE command which
are not fatal and do not leave straddled data in the buffer, like RECOVERABLE
ERROR, LOG OVERFLOW, or VENDOR UNIQUE. If the new paragraph is to remain, and there was some debate earlier if it should, it must be rewritten.

Proposal

#1
Omit the new paragraph, and add a paragraph outside the
commands which basically says: Extended Contingent Allegiance is
broken (terminated) if the initiator performs either a medium access
command (READ REVERSE, ERASE), or a command which
performs logical or physical medium motion (SPACE, REWIND,
UNLOAD/LOAD, Change of Partition). All buffered data will be
purged before the new command is executed, which will conclude
the Extended Contingent Allegiance condition.

The Recover Buffer command and all information-type commands (INQUIRY, MODE SENSE, REQUEST SENSE, READ LOG, etc.) will not cause the Extended Contingent Allegiance to be broken. Of course, the concept of Extended Contingent Allegiance must be defined too.

#2
Change the new paragraph to say: An XXX command issued
subsequent to either 1) a WRITE or WRITEFILEMARK command
that returned a VOLUME OVERFLOW or a MEDIUM ERROR, or
2) a VERIFY command that returned a MEDIUM ERROR,
MISCOMPARE, FILEMARK, or EOM shall cause any unwritten
buffered data or filemarkers, if any, to be discarded.

This paragraph would need to be included on the following
commands: LOAD/UNLOAD, REWIND, SPACE, ERASE, READ
REVERSE, and in MODE SELECT for PAGE CODE 11 (Partitions).
Whatever the solution to the other problems listed in 87-108 are, they could impact the overall flavor of how a system handles fatal errors. I don’t think the description is something which belongs in an appendix; but rather, something which deserves immediate reader attention (only for sequential access users though). I suggest that the location of this information be included in a separate paragraph preceding the body of section 9, following the table of contents; or, I suggest that the table of contents have a column which indicates those commands which will end extended contingent allegiance (but then you will need to describe what that is, somewhere).

I thank you for your attention to this matter.

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