

ENDL TEXAS

Date: 6 January 2004
To: T10 Technical Committee
From: Ralph O. Weber
Subject: Additional Sense Code requests for OSD r09

OSD r09 needs the follow new additional sense codes:

3Bh/17h ... F READ PAST END OF USER OBJECT
24h/08h ... F SECURITY VERSION TAG MISMATCH
26h/0Fh ... F INVALID DATA-OUT BUFFER INTEGRITY CHECK VALUE

The ASC/ASCQ values are proposed only and included here only to show that no new ASC assignment is needed.

Note: I am not sure the READ PAST END OF USER OBJECT additional sense code is the right way to go.

OSD is using the descriptor sense data format only. In the descriptor sense data format, the ILI (incorrect length indicator) bit is in the SSC device-type specific descriptor.

I need to signal when an OSD read attempts to go past the end of the object and as much as possible follow the tape short-record model for the resulting sense data. However, I am reluctant to move the ILI bit to a common area in the descriptor sense data and I am equally unhappy about requiring OSD devices to use the SSC device-type specific descriptor.