



Date: 11 September 1999
To: T10 Technical Committee
From: Ralph Weber, LSI Logic Alternate Member of T10
Subj: Description Lengths for 5D ASC/ASCQs

Around half of the 5D/xx descriptions added by 99-217r0 line wrap in the SPC-2 tables. The following changes are proposed to reduce the number of line wraps:

- Changing 'xxx IMPENDING FAILURE' to 'xxx FAILURE SOON'
- Changing 'yyy EXCEEDING LIMITS' to 'yyy TOO HIGH'
- Changing 'EXCEEDING DRIVE ERROR THRESHOLD' to 'TOO MANY DRIVE ERRORS'
- Changing 'INDICATED BY CHANNEL PARAMETRICS' to 'CHANNEL PARAMETRICS'

The last proposed change may seem like it's removing information, but it's really bringing the form of one description in general alignment with its neighbors. Here are some examples:

5Dh/17h HARDWARE IMPENDING FAILURE INDICATED BY CHANNEL
PARAMETRICS

would become:

5Dh/17h HARDWARE IMPENDING FAILURE CHANNEL PARAMETRICS
matching:

5Dh/18h HARDWARE IMPENDING FAILURE CONTROLLER DETECTED
5Dh/19h HARDWARE IMPENDING FAILURE THROUGHPUT PERFORMANCE
5Dh/1Ah HARDWARE IMPENDING FAILURE SEEK TIME PERFORMANCE

Experiments have shown that these changes will reduce the number of line wraps in the 5D/xx descriptions.

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