



Date: 04 November 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 September Working Group disliked the changes proposed in revision 0 to solve this problem. So, glutton that I am, here's a second try.

Change: EXCEEDING DRIVE ERROR THRESHOLD  
To: DRIVE ERROR RATE TOO HIGH

Change: DATA ERROR RATE EXCEEDING LIMITS  
To: DATA ERROR RATE TOO HIGH

Change: SEEK ERROR RATE EXCEEDING LIMITS  
To: SEEK ERROR RATE TOO HIGH

Change: ACCESS TIMES EXCEEDING LIMITS  
To: ACCESS TIMES TOO HIGH

Change: START UNIT TIMES EXCEEDING LIMITS  
To: START UNIT TIMES TOO HIGH

These changes do not affect the English meaning and should translate to foreign languages at least as well either way. Making only these changes will be a big help.

Change: LBA REASSIGNMENT EXCEEDING LIMITS  
To: TOO MANY BLOCK REASSIGNS

This change uses the language of SBC (in the REASSIGN BLOCKS command) to shorten the ASC/ASCQ description to something that will fit in all current cases, and many of the potential future cases identified by the working group.

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Change: FAILURE INDICATED BY CHANNEL PARAMETRICS  
To: FAILURE CHANNEL PARAMETRICS

This 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