LSI LOGIC ®

Date: 17 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 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: TOO MANY DRIVE ERRORS

  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.

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