T10/04-123r0

To	From	Subject	Date
INCITS T10 Committee	Michael Banther, HP	SSC-3: Exclude REPORT LUNS from resetting TEST bit	19 April, 2004

Introduction

When discussing the operation of the TEST bit in the Information Exceptions Control mode page, SSC2r09 excludes the INQUIRY and REQUEST SENSE commands from clearing a false informational exception condition. With the increased use of the REPORT LUNS command by device management applications (e.g., plug and play), HP proposes adding REPORT LUNS to this list of excluded commands.

Detailed Changes to the Draft Standard

8.3.7 Information Exceptions Control mode page

A TEST bit of one specifies the target shall generate test/false informational exceptions conditions as follows:

a. if the TEST bit is one and the TEST FLAG NUMBER value is zero, the target shall generate a false informational exception condition based on the MRIE field (the INTERVAL TIMER field is ignored and the REPORT COUNT field is used as the TEST FLAG NUMBER). When a false informational exception condition is posted, the TapeAlert flags in the log page shall not be modified. True informational exception conditions shall have priority over false informational exception conditions. The TEST bit shall be automatically set to zero when the false informational exception condition is posted on the first command (excluding INQUIRY, REPORT LUNS and REQUEST SENSE commands) that is received with no real informational exception condition pending. The false informational exception condition shall be reported in the method specified by the MRIE value and the additional sense code shall be set to FAILURE PREDICTION THRESHOLD EXCEEDED (FALSE). If the TEST and DEXCPT bits are one and the TEST FLAG NUMBER value is zero, the target shall return CHECK CONDITION. The sense key shall be set to ILLEGAL REQUEST and the additional sense code shall be set to INVALID FIELD IN PARAMETER LIST; or

b. if the TEST bit is one and the TEST FLAG NUMBER value is a valid non-zero value, the target shall generate or clear a test informational exception condition based on the TEST FLAG NUMBER value as described in table 68.