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**To:** Membership NCITS T10  
**Subject:** Removal of Tag Checking Requirement in SPI-2

The SCSI Architecture Model removed the requirement for the checking of overlapped tags. This was done for a number of reasons. One reason was the increase in size of the tag in some of the serial protocols which made the methods for tag checking slow or costly. Another reason was the increased automation of SCSI controller ASICs which made the checking of tags burdensome.

Western Digital would like to propose that SPI-2 remove the requirement for the checking of overlapped tags. Specifically:

- Section 11.5.3 should be changed to read:

“Two byte task attribute messages are used to specify an identifier, called a tag, for a task which establishes the I\_T\_L\_Q nexus. The TAG field is an 8-bit unsigned integer assigned by the application client and sent to the initiator in the send SCSI command phase. The tag for every task for each I\_T\_L shall be uniquely assigned by the application client. If the task manager detects a duplicate tag, it shall behave according to section 11.6.2. There is no requirement for the task manager to check whether a tag is currently in use for another I\_T\_L nexus. A tag becomes available for reassignment when the task ends. The numeric value of a tag is arbitrary, providing there are no outstanding duplicates, and has no effect on the order of execution.”

- Section 11.6.2 (Incorrect initiator connection) note 45 should be changed to read:

“Note 45 - If a target checks for incorrect initiator connections, it may not detect the condition until after the command descriptor block has been received.”