To: T10 Technical Committee
From: Rob Elliott, Compaq Computer Corporation (Robert.Elliott@compaq.com)
Date: 18 December 2001
Subject: T10/02-016r0 SPC-3 TST field description

Revision History
Revision 0 (18 December 2001) first revision

Related Documents
spc3r02 - SCSI Primary Commands - 3 revision 2

Overview
The task set type (TST) field description has proved to be a bit confusing.

Suggested Changes to SPC-3 revision 2
8.3.6 Control mode page [PDF page 225]
... 
A task set type field (TST) specifies the type of task set in the logical unit (see table 160). If the device maintains mode pages per initiator, the TST field, if changeable, shall reflect in all initiator pages the state selected by the most recent MODE SELECT. If the most recent MODE SELECT changes the setting of this field the device server shall establish a unit attention condition for all initiators except the one that issued the MODE SELECT command (see SAM-2). The device server shall set the additional sense code to MODE PARAMETERS CHANGED.

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>000b</td>
<td>Logical unit maintains one task set per logical unit for all initiators</td>
</tr>
<tr>
<td>001b</td>
<td>Logical unit maintains a separate task set per each initiator per logical unit</td>
</tr>
<tr>
<td>010b - 111b</td>
<td>Reserved</td>
</tr>
</tbody>
</table>

If the logical unit maintains separate mode pages for each initiator, the TST field, if changeable, shall reflect in all initiator pages the state selected by the most recent MODE SELECT from any initiator. If the most recent MODE SELECT changes the setting of this field the device server shall establish a unit attention condition for all initiators except the one that issued the MODE SELECT command (see SAM-2). The device server shall set the additional sense code to MODE PARAMETERS CHANGED.