To: T10 Technical Committee
From: Kevin Marks - Dell, Inc.
Date: Sep. 11, 2007
Subject: T10/07-381r0: ASC/ASCQ Request for TCG constructs

Revision History
Revision 0 (09/11/07) – Initial proposal

Related Documents
SPC-4 T10/1731-D Revision 11

New text to be added to SPC-4
Text to be deleted from SPC-4
<<<...Editorial text...>>

Overview

TCG SWG draft spec contains constructs that allow for locking or restricting access to logical blocks in ranges within the logical unit, in that some LBAs may be readable/writeable and other not until some authentication occurs to unlock the range. TCG would like an ASC/ASCQ to return when a READ/WRITE command is received where one or more LBAs fall into one of these locked/restricted LBA access ranges.

SPC-4 has an ASC/ASCQ of LOGICAL UNIT NOT AUTHORIZED, but this implies a LU level restriction and is not what TCG is requesting for reporting this error condition.

This proposal provides 3 options, with the top level ASC as the preferred option.

Suggested Changes:

Add new row to the Additional Sense Code table in the current ANNEX C.2, Table C.1 of SPC-4.

<table>
<thead>
<tr>
<th>ASC</th>
<th>ASCQ</th>
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<th>Description</th>
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<td>LBA RANGE LOCKED</td>
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<td>LBA REQUEST NOT AUTHORIZED</td>
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