To: T10 Technical Committee  
From: Rob Elliott, HP (elliott@hp.com)  
Date: 4 November 2002  
Subject: 02-471r1 SSC-2 Rewind on logical unit reset

**Revision History**
Revision 0 (2 November 2002) First revision  
Revision 1 (4 November 2002) Incorporated comments from SSC-2 WG.

**Related Documents**
ssc2r08d - SCSI Stream Commands - 2 revision 8d

**Overview**
Some tape drives rewind automatically on reset, while others stay in place. There is no standard means to determine the behavior of a tape drive.

A field in a mode page is needed to indicate which behavior the tape drive employs (and possibly set its behavior, if the drive offers the field as changeable).

**Suggested Changes**
Add a field to the Device Configuration mode page for this.

**8.3.3 Device Configuration mode page**
The Device Configuration mode page (see table 1) is used to specify the appropriate sequential-access device configuration.
The REWIND ON RESET field is defined by table 2. The REWIND ON RESET field, if implemented, shall be persistent across logical unit resets.

Table 2 — Rewind on reset field definition

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00b</td>
<td>Vendor-specific</td>
</tr>
<tr>
<td>01b</td>
<td>The logical unit shall position to the beginning of the default data partition (BOP 0) on logical unit reset.</td>
</tr>
<tr>
<td>10b</td>
<td>The logical unit shall maintain its position on logical unit reset.</td>
</tr>
<tr>
<td>11b</td>
<td>Reserved</td>
</tr>
</tbody>
</table>