Date: June 22, 1992

To: ANSI X3T9.2 Committee (SCSI)

From: Jeffrey L. Williams (HP)
       Steve Krupa (HP)

Subject: Response to X3T9.2/92-111. (ASC/ASCQ for Data Compression)

In response to Peter Dougherty's committee document on ASC/ASCQ codes
for Data Compression - doc X3T9.2/92-111.

I would like to make a few suggestions for the committee to consider
and also attempt to get clarification on a couple of points in the
document, so here goes...

In the Data Compression Mode Page document (X3T9.2/90-119)
which was accepted by the X3T9 plenary in April '91, the committee
allocated two ASC/ASCQ codes specifically for Data Compression Check
Conditions. These codes are:

<table>
<thead>
<tr>
<th>BYTE</th>
<th>DESCRIPTION</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>NN T</td>
<td>DECOMPRESSION EXCEPTION</td>
</tr>
<tr>
<td>71</td>
<td>00 T</td>
<td>DECOMPRESSION EXCEPTION</td>
</tr>
</tbody>
</table>

It would make sense to make all ASC/ASCQ codes pertaining to data
compression have the same (or similar) base ASC's. I would suggest
that instead of using an ASC of 3Ah, doc X3T9.2/92-111 be modified to
use an ASC of 72h which would then fit in nicely with those given above.
This ASC could then be used as a base for all data compression
ASC/ASCQ codes which may be required in the future.

I would also suggest an additional ASC/ASCQ as follows

| 72   | 06 CAN NOT DECOMPRESS USING DECLARED ALGORITHM |

This would be returned in the case where the compressed data which a
device is trying to decompress using the declared algorithm (either
provided by the host via the Data Compression Mode Page or determined
directly by the device from information contained within the format
of the compressed data on the media) has a fault in it such that
decompression is not possible.