TO: SUPPORT ENGINEERS  
VAX ENGINEERS  
INSTALL ENGINEERS  

FROM: MARTIN TOMLINSON  

DATE: 4TH MARCH 85  

SUBJECT: HSC50 DISK TESTING WITH UETP UNDER V4 VMS  

When running UETDISK00.EXE on a disk on an HSC50 the controller designation should be:-  

HSC50-NAME$DUA  

If the HSC50 default name is being used then it would be - HSC000$DUA - (on Node 0).  

Under V3.XX VMS the controller designation would be:- DUK or DUL.  

Note: Please correct page 27 of 'Hitchhikers Guide to the HSC50'  

Regards,  

Martin
**DIGITAL**

**INTEROFFICE MEMORANDUM**

TO: ALL VAX ENGINEERS
INSTALLATION ENGINEERS

FROM: MARTIN TOMLINSON

DATE: 02 OCTOBER 1984

SUBJECT: HSC50 MODULE STATUS CODES

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With reference to my previous HSC50 memorandum, here is the HSC requestor status code definition:

Bit 7    - Parity Bit
Bit 6    - Microdiagnostic Failure
Bit 0-5  - Indicate test number of failed microdiagnostic if Bit 6 is set

Failures may be hardware or microcode detected.

Microcode detected errors are the result of a microcode consistency check failure.

K.sdi hardware detected errors are the result of errors detected on the control bus.

K/sdi hardware detected errors are the result of the following:

* Control bus errors
* Scratchpad RAM parity errors
* Data bus parity errors
* NXM errors not related to data transfer

It is not recommended to swap the module on the first occurrence of the error as the problem may be a fault with the data/control memory/bus.
* K.ci


    * Microcode detected errors: 14, 16, 17, 21, 22, 24-27, 30, 32, 52, 76, 77

* K.sdi

    * Hardware detected errors: 14, 16, 17, 20-27, 30, 32-34, 36, 37, 40-42, 44, 46, 47, 50-55, 75, 76

    * Microcode detected errors: 15, 26, 31, 35, 43, 45, 77

Regards,
VERSION 4 CI MICROCODE IS NOW WITH US.

Version 4 MUST be installed on clusters with 8600 CPU's on all hosts.

Since we are in the process of upgrading to version 3 through ECO's we should take this opportunity to upgrade to version 4.

What you need:-

Order Rev 3 ECO as before.

Order:

EQ-01310-01 If CI780 L0101 is Rev F1 (Ram Rev 2)
L0101 Rev H1 If CI750/780 L0101 is <F1 (Ram Rev 1)
EQ-01310-02 11780 Console Floppy
EQ-01310-03 11785 Console Floppy
EQ-01309-01 If CI750 L0101 is Rev F1 (Ram Rev 2)
EQ-01309-02 11750 Console Cassette

Version 4 Microcode can be installed on a CI with Rev 3 Ramps on the L0101 (Rev 4 Ramps not available). The new Microcode can be found in [SYSMAINT.GOODSTUFF] CI780 V4.BIN on the inhouse 11750. This will need to be copied to the new console cassette or floppy. To copy to a cassette the version 4 VMS system must be used, using the exchange utility to write the file in the correct place on the tape.
On copying CI780V4.BIN rename it to CI780.BIN.

Having different ROM/RAM Microcodes causes a diagnostic problem. The following patches are necessary:

<table>
<thead>
<tr>
<th>Microcode</th>
<th>Command</th>
<th>Offset</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVGAA 2.3</td>
<td>DS&gt; DEP 21FD</td>
<td>0000E811</td>
</tr>
<tr>
<td>EVGAB 2.3</td>
<td>DS&gt; DEP 1FC1</td>
<td>0000E811</td>
</tr>
<tr>
<td>EVGAA 1.4</td>
<td>DS&gt; DEP 66FA</td>
<td>0000E811</td>
</tr>
<tr>
<td>EVGAB 1.3</td>
<td>DS&gt; DEP 64FA</td>
<td>0000E811</td>
</tr>
</tbody>
</table>

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CI780.BIN must also be copied to wherever the diagnostic supervisor resides to enable Event flag 1 to load the microcode.

Regards

Martin