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FIELD CHANGE ORDER NUMBER: 64XXM-I003

APPLICABILITY: Upgrade applicable 6000-4XX system CPU modules to a minimum revision "AM" ONLY WHEN ADDING A DWMVA option to an existing system. Also, ensure a spare module rev "AM" is available to support this at the SDU. This FCO incorporates ECO #T2015-TWO011.

PROBLEM & SYMPTOM: Installation of the DWMVA option requires 6000-4XX CPU modules to be upgraded to a new minimum part revision of "AM".

SOLUTION: Upgrade applicable 6000-4XX system CPU modules upon installation of the DWMVA add-on option. Use module part revision "AM" or higher.

QUICK CHECK: Component at location E97 is p/n 23-308E9-00 for rev "AM". Component at location E77 should be p/n 23-307E9-00.

PRE/COREQUISITE FCO:	N/A	MTTI HRS .5/Module
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TOOL/TEST EQUIPMENT: Field Service Tool Kit.

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS	EQ KIT VARIATION APPLICABILITY
EQ-01630-03 FA-04965-03	T2015-00 Module Min Rev "AM" FA-04965-03 FCO Document	YES

FCO CHARGING INFORMATION

WARRANTY/CONTRACT				NONWARRANTY/NONCONTRACT				
ON-SITE		OFF-SITE		ON-SITE		OFF-SITE		MATERIAL ONLY
TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	ORDER-ADMIN, HANDLING PKG, SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	CUS	CUS	CUS	CUS	CUS

APPROVALS

CSSE Jim Vermette	CSL LOGISTICS Len Pellerin	CS PRODUCT SAFETY Robert Brister
CSSE MANAGER Ric Grogan	This document is published on multiple media including hardcopy, Customer Services	FCO RELEASE DATE
MICROMEDIA	Microfiche Libraries,	FCO REVISION

Diane MacDonald	Customer Services CD-ROM and MDS Microfiche Libraries.	A
POPULATION 225		PARTS AVAILABILITY

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```

*****
*
*              NOTE
*
* The DWMVA option requires VAX/VMS Version 5.4-3. PLEASE DO NOT
* INSTALL the DWMVA option until the system has been upgraded with this
* version of VAX/VMS.
*
*****

```

INSTALLATION AND TEST PROCEDURE FOR 64XMX-I003

1. Shut down the VAX/VMS operating system:

Example of shutdown:

```
$ @sys$system:shutdown
```

```
SHUTDOWN -- Perform an Orderly System Shutdown on node PEEVEE
```

```
How many minutes until final shutdown [0]:<CR>
```

```
Reason for shutdown [Standalone]:<CR>
```

```
Do you want to spin down the disk volumes [NO]?<CR>
```

```
Do you want to invoke the site-specific shutdown procedure [YES]?<CR>
```

```
Should an automatic system reboot be performed [NO]?<CR>
```

```
When will the system be rebooted [later]:<CR>
```

```
Shutdown options (enter as a comma-separated list):
```

```

REMOVE_NODE      Remaining nodes in the cluster should adjust quorum
CLUSTER_SHUTDOWN Entire cluster is shutting down
REBOOT_CHECK     Check existence of basic system files
SAVE_FEEDBACK    Save AUTOGEN feedback information from this boot

```

```
Shutdown options [NONE]:<CR>
```

VMS will issue several messages indicating it is shutting down.
Finally, VMS will issue:

```
SYSTEM SHUTDOWN COMPLETE - USE CONSOLE TO HALT SYSTEM
```

2. At this point perform a Control^P to halt the primary processor.
The console will print the following, but the numeric values may
not match the example:


```

*****
*                                     C A U T I O N                                     *
*                                     *                                               *
*      All VAX modules contain electrostatic discharge                             *
*      sensitive devices (ESDS).  The use of an antistatic                         *
*      wrist strap attached to the cabinet is essential when                       *
*      handling modules.                                                           *
*****

```

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```

```

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```

10. Unscrew the XMI cardcage cover assembly and remove the cover.
11. Remove the T2015-00 module targeted for upgrade from the cardcage using all ESD procedures. Check the revision of the module taken from the machine. If the module is an "AM" reinstall it in the same slot and proceed to next step. If the module revision is below revision "AM" install module from EQ-01630-03 and repeat this step for all T2015-00 modules installed within the XMI backplane.
12. Re-install the XMI cardcage cover assembly and tighten retaining screw.
13. Install the new DWMVA option in accordance with the Installation Guide which comes with the option.
14. Record the original position of the lower key switch. Turn lower key switch on the system console panel to the UPDATE Position.
15. Plug in the system. Apply power to the system by pushing the Circuit Breaker in to the "ON" position. Power up the system by turning the upper key switch on the system control panel clockwise to the "ENABLE" position.
16. Enter the <CTRL/3>SET SYSTEM SERIAL command, using the serial number you recorded in Step 6. Here is a sample output from the command:

```

*****
*                                     NOTE 1                                     *
*                                     *                                               *
*      On VT100 series terminals replace <CTRL/3> with <ESC>                       *
*      in the steps below.                                                         *
*****

```

```

>>> $^?SET SYSTEM SERIAL
System Serial Number>>> AG83701988
Serial number read as: AG83701988

```

```

Update EEPROM? (Y or N) >>> Y
?73 System serial number updated.

```


Activity -

(a)Contract and Warranty	W	U	Y
(b)IN-DEC Contract	K		
Hardware Segment Code	031	111	
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-site Agreement	F		
Product Line	031	031	
DEC Option	64XMX	64XMX	64XMX
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	64XMX-I003	64XMX-I003	64XMX-I003
Material Used	EQ-01630-03	EQ-01630-03	EQ-01630-03

- (a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements; * Note material (only) free of charge for all customers.
- (b) Applies to IN-DEC Area Only
- (c) RTD=Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "F".

\\FCO_DOCS
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\\^ 64XMX
\\6000-4XX
\\EQ-01630-03
\\1992