**FIELD CHANGE ORDER**

**NUMBER:** KN15-AA-F004, KN15-BA-F003,
KN15-CA-F001, KN16-AA-F001
KN16-BA-F001, KN16-CA-F001
KN17-AA-F001, KN17-BA-F001

**APPLICABILITY:** This FCO is customer installable and it should be installed by Customer Services ONLY when demanded by the customer. This FCO is for all DEC3000/* Alpha AXP Workstations shipped beginning December 1992 until November 1, 1993, plus all DEC 3000 Model 600 and 600S systems shipped before February 16, 1994.

**PROBLEM & SYMPTOM:** There is an EXTREMELY REMOTE possibility that in a below normal temperature environment, a SCSI controller transaction error could occur. Through extensive testing below normal operating temperatures, all observed occurrences of this condition have resulted in a detected illegal command. Because this condition in THEORY could cause data corruption we have supplied a MUP which will fix this condition.

**SOLUTION:** Installation of this MUP will provide enhanced parity protection on SCSI controller transactions by programming parity pass through instead of parity generation in the SCSI controller chip(s).

**QUICK CHECK:** None

**PRE/CO-REQUISITE FCO:** None

**TOOL/TEST EQUIPMENT:** Power-up self-test is all that is needed

**FCO PARTS INFORMATION**

<table>
<thead>
<tr>
<th>FCO KIT NO.</th>
<th>DESCRIPTION OF CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA-05036-01</td>
<td></td>
</tr>
</tbody>
</table>

**FCO CHARGING INFORMATION** (See Page 3 of 3)

**APPROVALS**

| TECH. ENGINEER | ENG. BUSINESS MGR. | DSHQ LOGISTICS | DS PRODUCT SAFETY |
1. For firmware upgrade on all DEC3000/* platforms, PMAZB-AA and PMAZC-AA, see the DEC3000 AXP MUP01 Firmware Release Notes (AA-Q4B8A-TE) that are included in this kit.

2. For systems running OpenVMS versions 1.5 or 1.5-1H1, see the DEC3000 AXP MUP01 OpenVMS AXP Release Notes (AA-Q4B7A-TE) that are included in this kit.

3. For systems running OSF/1 versions 1.2, 1.2A, 1.3, 1.3A, or 1.3B, see the DEC 3000 AXP MUP 01 DEC OSF/1 Release Notes (AA-Q42FA-TE).

Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows:

<table>
<thead>
<tr>
<th>CATEGORY S,O,F,I</th>
<th>USA</th>
<th>APA</th>
<th>EUROPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity - (a)Contract and Warranty</td>
<td>W</td>
<td>U</td>
<td>K</td>
</tr>
</tbody>
</table>
(b) IN-DEC Contract  W  U  W  
Hardware Segment Code  111  111  111  
Non Contract/Non Warranty  W  W  W  
(c) RTD/Off-site Agreement  W  U  W  
Product Line  031  031  
DEC Option  SEE NOTE D  SEE NOTE D  SEE NOTE D  
Type of Call  M  M  M  
Action Taken  D  D  I/V  
Fail Area-Module-FCO-Comments  SEE NOTE D  SEE NOTE D  SEE NOTE D  
Material Used  EQ-01699-01  EQ-01699-01  EQ-01699-01  

(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".  
(d) For DEC3000 Models 800/800S and 600/600S, use KN17AA, for Models 500/500S, 400/400S, use KN15AA, and models 300 and 300L use KN16AA. 

<table>
<thead>
<tr>
<th>WARRANTY/CONTRACT</th>
<th>NONWARRANTY/NONCONTRACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON-SITE</td>
<td>OFF-SITE</td>
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<tr>
<td>TRAVEL/INSTALL</td>
<td>EQ KIT</td>
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<tr>
<td>DEC</td>
<td>DEC</td>
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<tr>
<td>DEC</td>
<td>DEC</td>
</tr>
</tbody>
</table>

\ DB=FCO_DOCS CAT=HARDWARE GRP=FCO_DOCS KN15 KN16 KN17