**FIELD CHANGE ORDER**

**NUMBER:** DRB32-E-F001

**APPLICABILITY:** This "F" coded FCO will check and upgrade all T1024 field spares. This FCO does not affect the systems. This FCO incorporates the following ECO: T1024-TWO003, Revision 03.

**PROBLEM & SYMPTOM:** Some number of DRB32-E(T1024) modules have shipped with ECO(T1024-TWO003) implemented incorrectly.

**SOLUTION:** This FCO consists of a visual check that will allow early detection of an incorrectly installed ECO, before a module is consumed and becomes a customer problem.

**QUICK CHECK:** Follow the visual check on Time Dependent BLITZ (Dated April 30, 1993)

**PRE/COREQUISITE FCO:** N/A | MFIT HRS | 10 min. |

**TOOL/TEST EQUIPMENT:** N/A

**FCO PARTS INFORMATION**

<table>
<thead>
<tr>
<th>FCO KIT NO.</th>
<th>DESCRIPTION OF CONTENTS</th>
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<tr>
<td>EQ-01680-01</td>
<td>1 ea T1024 Module, Rev C03</td>
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<td>FA-05016-01</td>
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**FCO CHARGING INFORMATION** (See Last Page)

**APPROVALS**

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<tr>
<td>Bonnie Gayton</td>
<td>Pauline Nist</td>
<td>Steve Wall</td>
<td>Robert Brister</td>
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<tr>
<th>MICROMEDIA</th>
<th>PARTS AVAILABILITY</th>
<th>FCO REVISION: A</th>
<th>FCO RELEASE DATE</th>
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<tr>
<td>Brenda Rogers</td>
<td>JUNE 1993</td>
<td></td>
<td>21-JUN-93</td>
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</table>
No diagnostic check and no diagnostic failure will occur if the DRB32-E (T1024) module has the ECO implemented incorrectly.

The ECO affects two signal lines; DRB32_NODE_ACTIVE IN, and DRB32_NODE_ACTIVE OUT. The two signals are application dependent; if a customer does not implement these two signals no problems will be encountered.

Due to the varied use of this module, an exact problem description is not available. One indication would be the customers reporting the NODE ACTIVE is not working correctly.

RESOLUTION:

Implementation of DRB32-E spares purge FCO Number DRB32-E-F001. Digital Services Stockroom 17 has been purged of DRB32-E modules, as of April 23, 1993. Manufacturing has purged all stockrooms of DRB32-E modules, as of April 23, 1993.

WORK AROUND:

If customer reports problems with the DRB32-E option, use VISUAL CHECK to verify ECO was implemented correctly. Replace the module if ECO was not implemented correctly.

Before installing the new DRB32-E option, use VISUAL CHECK to verify ECO was implemented correctly.

Field Installation: -------------------

1. Inspect all T1024 shelf stock by following the procedure for the visual check as shown below:
   (Taken from the Time Dependent (BLITZ) dated April 30, 1993.)

   VISUAL CHECK/QUICK CHECK:

   The following defines a visual check for this problem.

   LOCATION:

   View the T1024 module component side up, with LED at the top and VAXBI connector pins on the bottom.

   The top left chip is E41 (74F240), this is the chip that the ECO
affects.

To the left of E41 (parallel with E41 pins 6-10) is R143, this resistor is affected by this ECO.

VERIFICATION:

E41 Pin 14, and 15 should be lifted from VIA’s/pin holes/pads of the module, and R143 Pin 1 (pin located closest to top of module) should be lifted.

A wire from VIA of E41 Pin 14, should be connected to lifted Pin 15 of component E41. A wire from VIA of E41 pin location 15, should be connected to lifted Pin 14 of component E41.

A wire from R143 lifted Pin 1, should be connected to lifted Pin 15 of component E41.

2. If the visual check shows that the ECO was incorrectly implemented, return the module in an appropriate packing container and replace the kit with EQ-01680-01. Label the module as (DOA), and in the comment section, state that "ECO was incorrectly installed by manufacturing."

***********************************************************************************************
*                                      NOTE                                           *
*                                      *                                              *
* The replaced T1024 Modules are to be returned immed-   *
* iately to SR #126, via expedited transportation for  *
* upgrading.                                      *
***********************************************************************************************

3. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO DRB32-E-F001 (See page 4of 4).
Activity -

(a) Contract Warranty
    K

(b) IN-DEC Contract Non Contract/Non Warranty
    A

(c) RTD/Off-site Agreement

Hardware Segment Code 111
Product Line 031

DEC Option DRB-32-E
Option ID N/A
Type of Call M
Action Taken D
Fail Area-Module-FCO-Comments DRB32-E-F001
Material Used EQ-01680-01

(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".

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<td>OFF-SITE</td>
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<td>TRAVEL/INSTALL</td>
<td>EQ INSTALL</td>
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<td>DEC</td>
<td>DEC</td>
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\ FCO_DOCS DRB32