_ FCO DEQNA-O002, Late collisions on packets undetected

```
+---+---+---+---+---+---+---+tm     FFFFF  CCCC  OOO    LEVEL OF    PAGE   1
|   |   |   |   |   |   |   |       F     C     O   O   URGENCY
| D | I | G | I | T | A | L |       FFF   C     O   O   +-----+      OF    4
|   |   |   |   |   |   |   |       F     C     O   O   |  O  |
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```

FIELD CHANGE ORDER — Number DEQNA-O002

Applicability: Replace "as needed" DEQNA's (M7504's) in the Field which are exhibiting the problem/symptoms as noted in the Problem/Symptom Section of this FCO document.

Problem/Symptoms: 1) Late collisions occurring on packets being received by the module may go undetected causing undetected data corruptions.
(2) Transmit buffer RAM problem may cause undetected data corruptions.

Quick Check 1) Verify DEQNA-M (M7504-00) at Revision "K3" or higher
Verify DEQNA-SA (M7504-PA) at Revision "D1" or higher.

Compatibility/Prerequisite FCO	Estimated Time to Install
N/A	1.0 Hr.

Special Tools or Test Equipment
N/A

FCO Parts Information

Order by FCO Kit #	Quantity	Part Number	Contents: Description
EQ-01551-01	1	M7504-00	DEQNA-M Ethernet Controller
EQ-01551-02	1	M7504-PA	DEQNA-SA Ethernet Controller
FA-04856-01	1		FCO Document

EQ Kit Variation/System-Option Applicability: DEQNA-M, DEQNA-SA

Approvals

CSSE Engineer Bryan Williams	F.S. Product Safety Robert Brister	F.S. Logistics Richard McLain
Responsible CSSE Mgr. Jonathan Lewis	F.S. Microfiche Libraries	Affected Population 18,024
MicroMedia Publishing Diane MacDonald	EP-FSVDC-LB VAXDOC	Initial Kitting 18,024
Revision A		Hardcopy Publication 19,000
FCO Release Date 18 Dec 1989		Parts Availability 01 Jan 1990

REWORK INSTRUCTIONS

1. Obtain the Customer’s permission and perform normal system shutdown procedures. Refer to the appropriate system manuals applicable to the system involved.

2. Power down the system and remove the covers and panels required to gain access to the DEQNA, (M7504 Module).

```
**********************************************************************
*   To assure that AC power has been removed from the unit, the AC   *
*   power cord must be disconnected. Do not remove any FRU’s with    *
*   power applied to the unit.                                       *
**********************************************************************
```

3. Disconnect the cabinet kit cable from the M7504 module and remove the M7504 module from the system.

4. Verify that jumper W1 (located just behind the LEDS) on the new module corresponds to the position of W1 on the old module.

4A. If the DEQNA is used in a TARGET system (i.e. one that is down line loaded over the network, like an LPS40), you may wish to take the station address PROM from the old module and switch it with the PROM on the new module. This is not a necessary step, and depends on the customer’s application. If you don’t replace the Address PROM, you will have to change the Host system DECnet database to reflect the new Ethernet address.

    Instructions for replacing the Station Address PROM are in the DEQNA User’s Guide (EK-DEQNA-UG).

5. Replace the new module into the original slot and reconnect the cabinet kit cable.

6. Power up the system and observe the M7504 module for normal power-up microdiagnostic completion. All three LEDS should turn off. Completion of this test verifies successful installation of the DEQNA. No further module testing is required.

7. Replace all covers and panels and return the system to the

customer. (Continued on Page 3)

REWORK INSTRUCTIONS (Continued from Page 2)

8. If the system is a target µVAX II system and you did not change the Ethernet address PROM, the new Ethernet address can be obtained from the console. At the console prompt (>>>), type E/P/W/N:5 20001920 <cr>. The new Ethernet address will be in the last two bytes of each word. For example:

   ```
   >>> E/P/W/N:5 20001920
   20001920/  FF08
   20001922/  FF00
   20001924/  FF2B
   20001926/  FF02
   20001928/  FFBA
   2000192A/  FF0C
   ```

   The new Ethernet address would be 08-00-2B-02-B A-0C.

   If the system is a target PDP11, the address can be obtained by examining 1774440 and the next 5 locations using ODT. The address will be in OCTAL and must be converted to HEX to be useful.

   Both of these examples assume that this is the only DEQNA in the system.

9. Complete LARS data as per example on Page 4 of this FCO Document.

10. Update the Site Management Guide to reflect installation of this FCO.

CATEGORY O	USA	GIA	EUROPE
Activity -			
(a)Contract and Warranty	W	U	Y
(b)IN-DEC Contract & Warranty	K		
Hardware Segment Code	111		
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-site Agreement	F		
Product Line	01		
DEC Option	DEQNA	DEQNA	DEQNA
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	DEQNA-O002	DEQNA-O002	DEQNA-O002
Material Used	EQ-01551-01	EQ-01551-01	EQ-01551-01
Material Used	EQ-01551-02	EQ-01551-02	EQ-01551-02

(a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.
(b) Applies to INDEC AREA ONLY - Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements.
(c) RTD=Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "F".

\^ DEQNA
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\\WILLIAMS
\\1989
\\DEC
\\FCO_DOCS