	 	FCO	U:	evel of rgency [ R ]	Page _1_ Of10_
FIELD CHANGE	E ORDER		Number	: DEMPR-R00	1
minimum supr and SR17 hav Revenue Shir require repl	ported Revis ye only revi o (TIRS) Pro- lacement. Roes not requ	R-AA and DEMPR-AB ion level of "C1. sion "C1" or highe gram DEMPRs that a eplacing a Revisio ire and reconfigur EMPR-ML002.	Verify the verify the read the verified to the	nat all FS S All Thinwi vision level MPR (TIRS) w	tockrooms re Interim "C1" will ith a Rev.
the network	performance	Shorted coax cable to zero. 2. Self jumper to enable.	test is		
Quick Check:	DEMPR-AA o	r DEMPR-AB is at R	evision lo	evel "C1" or	higher.
Compatibilit	cy/Prerequis	ite FCO: N/A		Est. Time   1.5 h	to Install:
Special Tool	s or Test E	quipment: N/A		1	
		FCO Parts Info	rmation		
Order by   FCO Kit #		Contents			
EQ-01491-01  EQ-01491-02  FA-04784-01	Quantity 1 1 1	Part Number DEMPR-AA DEMPR-AB		Multiport Re Multiport Re	_
EQ Kit Variation/System-Option Applic: AA Ver. is for U.S. , AB Europe					
		Approvals			
CSSE Engineer Doug Kershaw		F.S. Product Saf   Robert Brister 	ety	F.S. Logis Ed Duggan	tics
Responsible CSSE Mgr. Tony Payne			ibraries  	Affected Po	pulation
MicroMedia Publishing			- 121	Initial Kit	ting

Ray LeBlanc	VAXnotes STARS	527
Revision:		Hardcopy Publication 600
FCO Release Date   24-SEP-87	   	Parts Availability   October 1987

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### REWORK PROCEDURE

- 1. Verify operation of the new DEMPR (Rev. "C1" or higher) via offline power-up and self-test diagnostics. Follow steps outlined in section 4.3 of the DEMPR Installation and Users Guide (EK-DEMPR-UG-001).
- 2. Perform all the procedures and customer notifications necessary to allow removal and replacement of the DEMPR from the Network Configuration.
- 3. Remove power from the original DEMPR that is to be replaced by disconnecting the AC power cord from the unit.

\*

- 4. Disconnect all Thinwire and Transceiver cable connectors from the original DEMPR.
- 5. Remove the original DEMPR and replace with new DEMPR (rev "C1" or higher) supplied in this EQ Kit.
- 6. Reconnect all cabling, in the original configuration, onto the new DEMPR.
- 7. Connect the power cord to the new DEMPR.
- 8. Monitor the new DEMPR's power-up and initiate self-test diagnostics to verify the unit. Follow steps 1-13 section 4.3 of EK-DEMPR-UG-001.
- 9. Place the new DEMPR into full network service upon successful self-diagnostics.
- 10. Verify that the network is operating properly.
- 11. Replace the original (TIRS) DEMPR Installation/Users Guide (EK-DEMPR-IN)

with the new DEMPR Installation/Users Guide (EK-DEMPR-UG-001).

#### NOTE:

EK-DEMPR-IN (DEMPR Installation and Users Guide) is only for Revision "B1" DEMPRs and CANNOT be used for the installation and testing of Revision "C1" DEMPRs'. ONLY EK-DEMPR-UG can be used for Revision "C1" and later DEMPRs. EK-DEMPR-IN should be removed from the site and properly disposed of to avoid any confusion.

- 12. Update the Site Management Guide to reflect the installation of this FCO.
- 13. Complete LARS as per attachment and return out of Revision TIRS DEMPR to the repair facility for rework/upgrade.

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- NOTES: 1. When the Revision "B1" DEMPR is replaced with a Revision "C1" or higher DEMPR, the LAN Bridge 100 is not needed to protect the network.
  - 2. If this site participated in the TIRS program, after this FCO has been completed, the program at this site has ended. The DEMPR, DESTA (Station Adapter) and DEBET (LAN Bridge 100) are eligible for Service Contracts if the normal Warranty period has expired.

ADDITIONAL INFORMATION:: TIRS RECONFIGURATION INFORMATION

#### CONFIGURATION DIAGRAMS

For Revision "B1" and the earlier prototype DEMPRs', only the configurations found in the DEMPR Installation and Users Guide Addendum (EK-DEMPR-IN) were

supported. For these Revisions of DEMPR, configuration guidelines found in the DECCONNECT Documentation WERE superseded by the addendum information. When FCO (DEMPR-R001) is implemented, these configurations are no longer required.

The following information explains how the earlier configurations can be re-configured to a normal configuration.

- NOTES: 1. Replacing a Revision "B1" DEMPR with a Revision "C1" or higher DEMPR does NOT require reconfiguration.
  - 2. The Installation and Users Guides for the Revision "B1" DEMPR and the Revision "C1" DEMPR are not compatible. Use EK-DEMPR-UG for the installation and testing of "C1" DEMPRs'.
  - 3. Any re-configurations should be charged for in the same manner as any other de-installation/re-installation. Re-configurations are not a part of this FCO (DEMPR-R001).

De-installation =  $1 \times BMC$  (FOR EACH OPTION) Re-installation =  $2 \times BMC$  (FOR EACH OPTION)

4. Plan and prepare for any re-configurations. Re-configuration may require additional transceiver cables, re-routing of cables, an H4000-BA transceiver and relocating hardware.

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The following shows the Revision "B1" configuration, which is referred to as TIRS Configurations #1, #2, and #3, with its standard configuration for Revision "C1" DEMPRs'.

DEMPR INSTALLATION WITH DEBET, USING A THINWIRE PORT

#### TIRS CONFIGURATION #1

- O USES A DEMPR THINWIRE COAXIAL CABLE PORT AND DESTA TO CONNECT TO THE DEBET.
- O USES ANY ONE OF THE EIGHT DEMPR THINWIRE COAX CABLE PORTS.
- O HARDWARE REQUIRED: DEBET, ONE H4000, ONE DESTA, TWO TRANSCEIVER

CABLES, TERMINATED THINWIRE COAX CABLE (CONNECTOR ENDS INSTALLED) AND ONE THINWIRE TERMINATOR.

STANDARD ETHERNET
BACKBONE SEGMENT

TRANSCEIVER CABLE

TRANSCEIVER CABLE

TRANSCEIVER CABLE

TRANSCEIVER CABLE

TAMBERT

DESTA

DESTA

DEMPR

ANY THINWIRE

PORT (1-8)

T\* = THINWIRE TERMINATOR

CHANGING #1 TO A STANDARD CONFIGURATION

- o DEMPR is a Revision "C1" or higher.
- o DEBET, DESTA, and one transceiver cable are removed.

- o The Thinwire coaxial cable segment is no longer used to attach the DEMPR to the Backbone (Standard Ethernet) segment via the DEBET and the DESTA.
- o The Thinwire coaxial cable segment can be used to attach up to 29 Thinwire devices or can be removed.

NOTE: A longer transceiver cable may be required to attach the DEMPR directly to the H4000. Two similar type transceiver cables (802.3 or DEC Standard) may be concatenated to provide a longer length, DO NOT mix 802.3 with DEC Standard.

DEC Standard (non-802.3) Transceiver Cables are:

BNE3A-xx BNE3C-xx BNE4A-xx BNE3B-xx BNE3D-xx BNE4B-xx

802.3 Transceiver Cables are:

BNE3H-xx BNE3L-xx BNE4C-xx BNE3K-xx BNE3M-xx BNE4D-xx

STANDARD ETHERNET BACKBONE SEGMENT

TRANSCEIVER CABLE

DEMPR
TRANSCEIVER
CABLE PORT

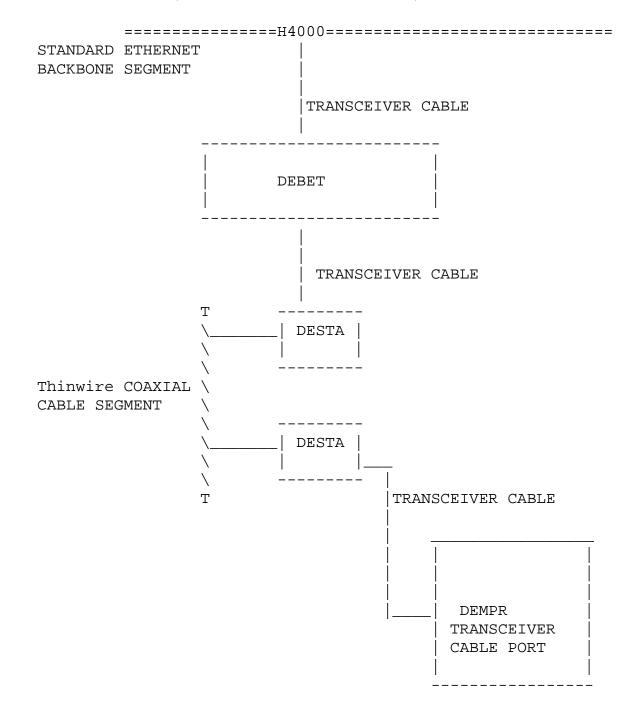
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DEMPR INSTALLATION WITH DEBET, USING THE TRANSCEIVER CABLE PORT

#### TIRS CONFIGURATION #2

- O USES THE DEMPR TRANSCEIVER CABLE PORT AND TWO DESTA'S TO GO TO THE DEBET.
- O HARDWARE REQUIRED INCLUDES: DEBET, ONE H4000, TWO DESTA'S, THREE TRANSCEIVER CABLES, TWO THINWIRE TERMINATORS AND A LENGTH OF TERMINATED (CONNECTOR ENDS INSTALLED) THINWIRE COAX.





CHANGING #2 TO A STANDARD CONFIGURATION

- o DEMPR is a Revision "C1" or higher.
- o The DEBET, two DESTA's, one coaxial cable segment and two transceiver cables are removed.
- o The Thinwire coaxial cable segment is no longer used to attach the DEMPR to the Standard Ethernet via the DEBET, Thinwire cable segment and the DESTA's.
- o If any other Thinwire devices were attached to this Thinwire segment, these devices must be relocated to an active Thinwire segment or the Thinwire segment must be attached to a DEMPR Thinwire port.

NOTE: A longer transceiver cable may be required to attach the DEMPR directly to the H4000. Two similar type transceiver cables (802.3 or DEC Standard) may be concatenated to provide a longer length, DO NOT mix 802.3 with DEC Standard.

STANDARD ETHERNET |
BACKBONE SEGMENT |
TRANSCEIVER CABLE |
DEMPR |
TRANSCEIVER |

· -----

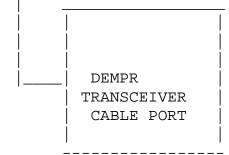
CABLE PORT

# DEMPR INSTALLATION WITH DELNI AND DEBET

#### TIRS CONFIGURATION #3

- O DELNI LOCAL PORTS ARE USED FOR DEMPR AND DEBET CONNECTIONS.
- O CONNECTION TO THE DEMPR IS THROUGH THE DEMPR TRANSCEIVER CABLE PORT.
- o MULTIPLE DEMPR'S CAN BE CONFIGURED.
- O THE DELNI MUST BE CONFIGURED IN GLOBAL MODE WITH 12-22196-01 LOOPBACK CONNECTOR ATTACHED TO THE GLOBAL PORT. THE LOOPBACK CONNECTOR IS NORMALLY SUPPLIED WITH THE DEMPR FOR TESTING PURPOSES.
- O HARDWARE REQUIRED: DEBET, DELNI, THREE TRANSCEIVER CABLES, AND ONE H4000.

STANDARD BACKBONE	ETHERNET	======H4000============================
	-	
		   DEBET 
		       TRANSCEIVER CABLE
		TRANSCEIVER CABLE
		== LOOPBACK CONNECTOR   (DELNI GLOBAL PORT)
		DELNI
		    TRANSCEIVER CABLE



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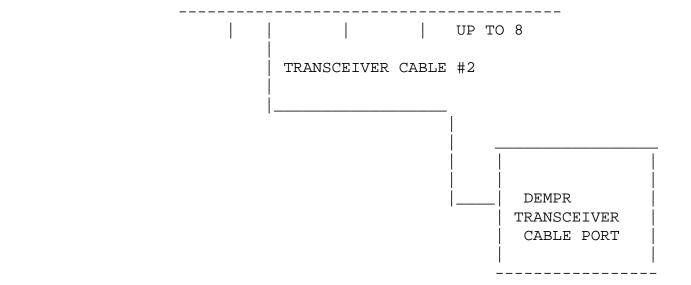
## CHANGING #3 TO A STANDARD CONFIGURATION

- o DEMPR is a Revision "C1" or higher.
- o The DEBET, Loopback Connector (on the DELNI global port) and one transceiver cable are removed.
- o The H4000-AA is replaced by a transceiver that does not have heartbeat... the H4000-BA. The transceiver used in this configuration cannot have heartbeat enabled.
- o The DELNI is configured in the global mode.

NOTES: None of the DELNI ports will have heartbeat/CPT. This will effect any device that requires heartbeat/CPT for normal operation.

A longer transceiver cable may be required to attach the DEMPR directly to the H4000. Two similar type transceiver cables (802.3 or DEC Standard) may be concatenated to provide a longer length, DO NOT mix 802.3 with DEC Standard. The combined length of the two Transceiver cables #1 and #2 (see below) should not exceed 45 meters.

==========================	000-BA==================================
BACKBONE SEGMENT	
	TRANSCEIVER CABLE #1
	DELNI GLOBAL PORT
     DEL	   NI



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LARS

REQUIRED

~	USA	GIA	EUROPE
Activity -			
Contract and Warranty	W	U	Y
Non Contract/Non Warranty	F	U	F
DEC Option	DEMPR	DEMPR	DEMPR
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	DEMPR-R001	DEMPR-R001	DEMPR-R001
Material Used	EQ-01491-01	EQ-01491-01	EQ-01491-01
	EQ-01491-02	EQ-01491-02	EQ-01491-02

\^ DEMPR
\\DEMPR

\\KERSHAW

\\1987

\\SEP

\\FCO\_DOCS