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FCO

 Level of
 Urgency
 [R]

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 Of ___10_

FIELD CHANGE ORDER

Number: DEMPR-R001

Applicability: All DEMPR-AA and DEMPR-AB units should be upgraded to the minimum supported Revision level of "C1. Verify that all FS Stockrooms and SR17 have only revision "C1" or higher DEMPRs. All Thinwire Interim Revenue Ship (TIRS) Program DEMPRs that are not Revision level "C1" will require replacement. Replacing a Revision "B1" DEMPR (TIRS) with a Rev. "C1" unit does not require and reconfiguration of the network. This FCO implements ECO number DEMPR-ML002.

Problem/Symptoms: 1. A Shorted coax cable connected to any port may bring the network performance to zero. 2. Self test is configured disabled and requires removal of jumper to enable.

Quick Check: DEMPR-AA or DEMPR-AB is at Revision level "C1" or higher.

Compatibility/Prerequisite FCO: N/A

 Est. Time to Install:
 1.5 hr.

Special Tools or Test Equipment: N/A

FCO Parts Information

| Order by FCO Kit # | Contents | | |
|-----------------------|----------|-------------|---------------------------|
| | Quantity | Part Number | Description |
| EQ-01491-01 | 1 | DEMPR-AA | (120V) Multiport Repeater |
| EQ-01491-02 | 1 | DEMPR-AB | (240V) Multiport Repeater |
| FA-04784-01 | 1 | | FCO Document |

EQ Kit Variation/System-Option Applic: AA Ver. is for U.S. , AB Europe

Approvals

| | | |
|-------------------------------------|--|-----------------------------|
| CSSE Engineer Doug Kershaw | F.S. Product Safety Robert Brister | F.S. Logistics Ed Duggan |
| Responsible CSSE Mgr. Tony Payne | F.S. Microfiche Libraries EP-FSNVX-LB VAX | Affected Population 527 |
| MicroMedia Publishing | | Initial Kitting |

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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FCO DEMPR-R001

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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

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*****
* ANY RE-CONFIGURATION OF THE NETWORK IS NOT PART OF THIS FCO!!! *
* THE FOLLOWING CONFIGURATION DIAGRAMS HAVE BEEN INCLUDED *
* FOR YOUR INFORMATION ONLY!!! *
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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 DECONNECT 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 x BMC (FOR EACH OPTION)
Re-installation = 2 x 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'.

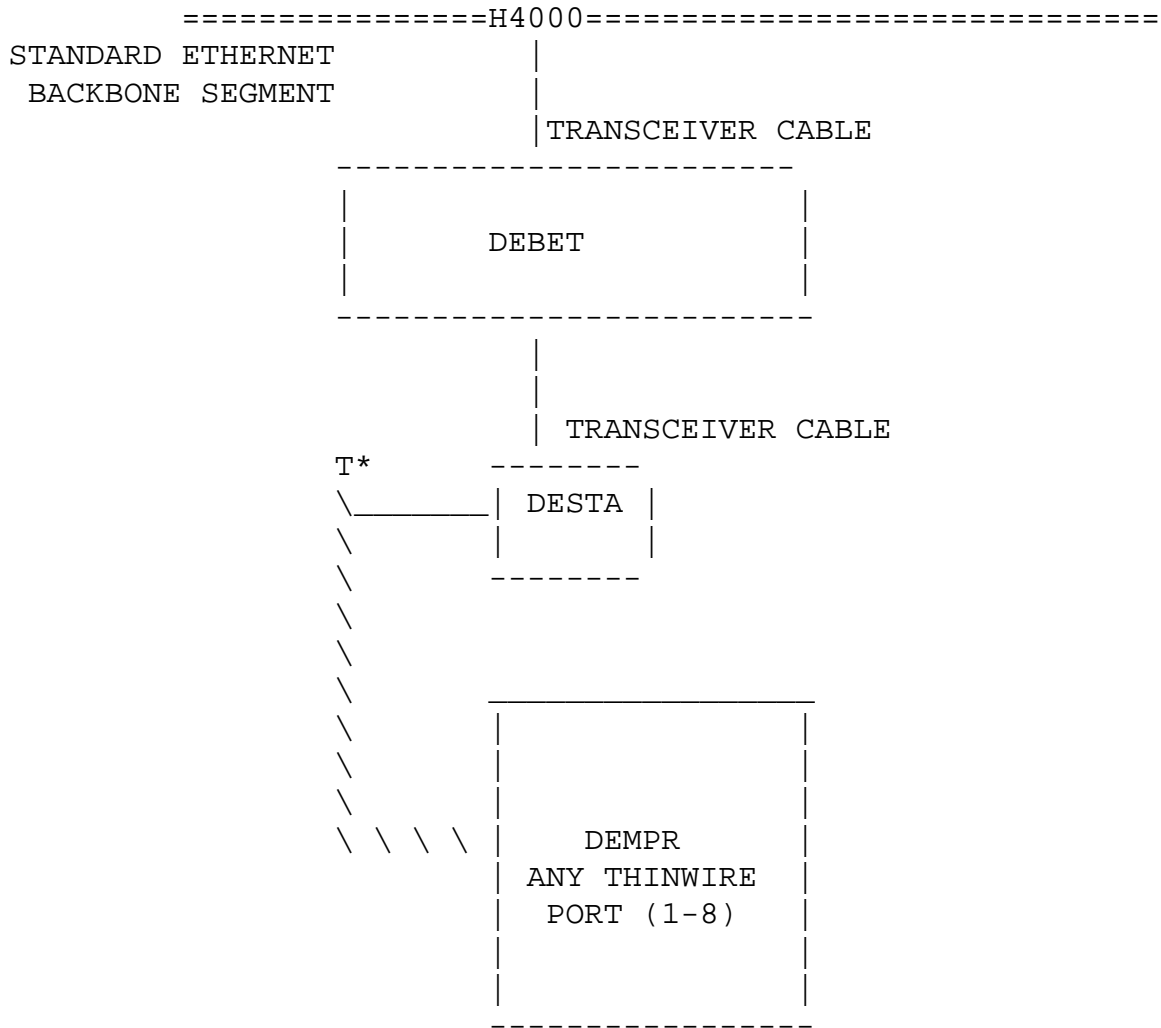
DEMPR CONFIGURATION GUIDELINES
#####

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.



T* = THINWIRE TERMINATOR

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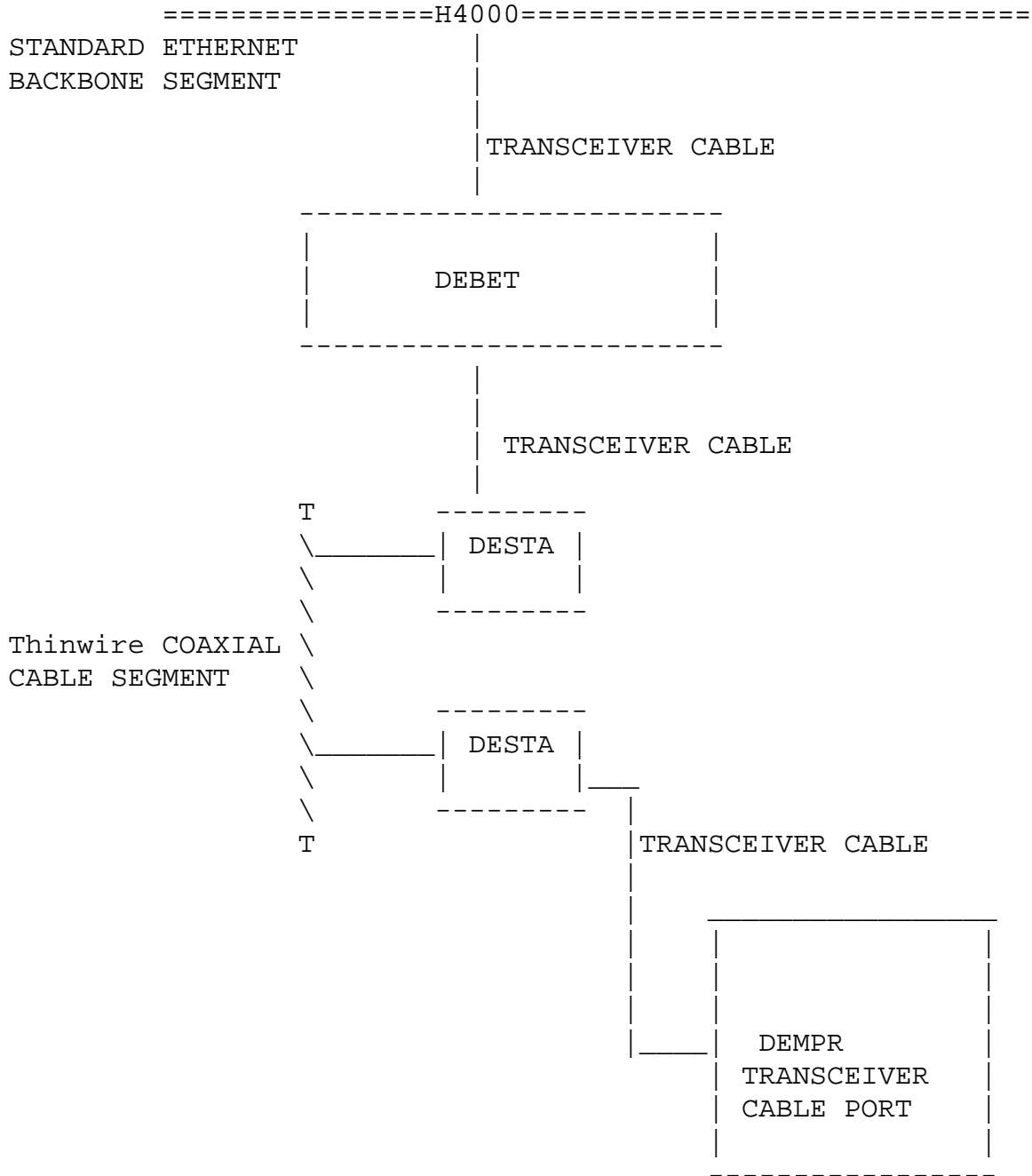
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CHANGING #1 TO A STANDARD CONFIGURATION

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

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.




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DEMPR
TRANSCEIVER
CABLE PORT

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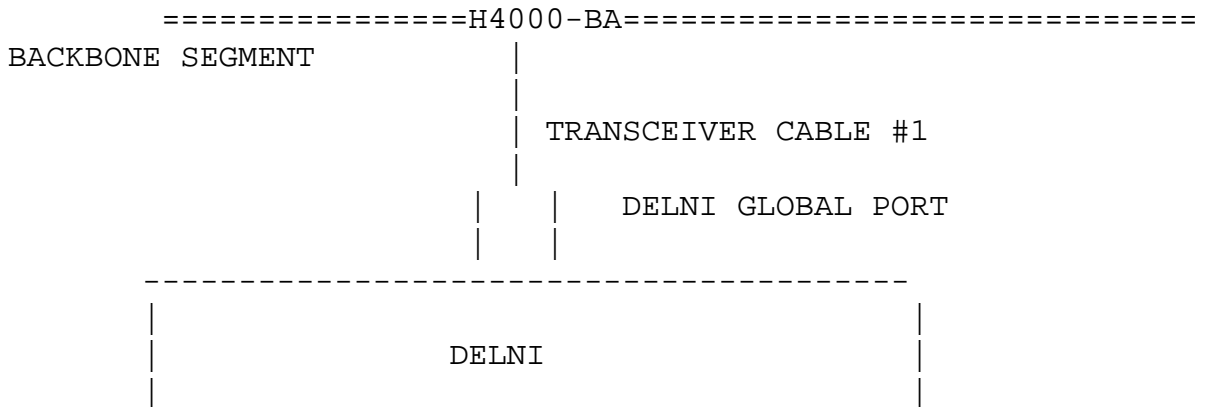
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CHANGING #3 TO A STANDARD CONFIGURATION

- 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.



TRANSCEIVER CABLE #2

DEMPR
TRANSCEIVER
CABLE PORT

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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-01491-02 | EQ-01491-01 EQ-01491-02 | EQ-01491-01 EQ-01491-02 |

\^ DEMPR
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\KERSHAW
\1987
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