S E R V I C E   N O T E

SUPERSEDES: None

Agilent 3070 Board Test System

Serial Numbers: 0000A00000 / 9999Z99999

To Be Performed By: Agilent-Qualified Personnel or Customer

Telecom systems, Agilent 3x79 and 79000, with a POTS bay may report a problem after upgrading to B.03.60.

Situation:

The E1485 Digital Signal Processor on board memory needs to be reprogrammed to firmware revision A.02.05. If it is not reprogrammed and you update to B.03.60 or higher, diagnostics test 8001 may fail, or your application will false fail during Pvi_initialize or Avi_initialize.

Solution / Action:

Before upgrading to B.03.60 or newer software, log in as "service1" and verify the System ROM version by typing in a shell window:

```
$ /usr/hp3070/bin/hwstrio "VER?"
```

This will return the firmware version.

```
$ A.02.0X
```

Continued

DATE: August 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	☐ PERFORMANCE ENHANCEMENT ■ SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	■ CUSTOMER INSTALLABLE ■ ON-SITE ☐ SERVICE CENTER	AVAILABLE UNTIL: August 2001
AUTHOR: NM	ENTITY:	ADDITIONAL INFORMATION:

Agilent Technologies

B.03.60 or newer software requires the E1485 System ROM to be at revision A.02.05. If the revision is not A.02.05, you will need to follow the procedure outlined in this service note.

PROCEDURE:

1. Verify GPIB address of E1406A command module

If the GPIB address of the E1406A command module in the POTS VXI rack has been changed from the default address of 9, the procedure will not work until the address is either changed back to 9 or the config.pvi/config.avi and the .hwiorc files all contain the same address.

To verify the GPIB address of the E1406A, go to the following files:

        /var/hp3070/diagnostics/th1/config.pvi   for a POTS System
        /var/hp3070/diagnostics/th1/config.avi   for an XDSL System

The parameter to check is "pvi*vxi".

If the address has been changed to something other than 9, modify the following file to match the customized number.

        /var/hp3070/diagnostics/th1/.hwiorc

The parameter to check is "hpib_hw_addr". It should be changed to match the E1406 address.

In the ".hwiorc" file,

```
...
...
hpib_hw_addr                9   # 0..31
hpib_secondary_addr        -1  # 0..31,-1=no secondary addr
vxi_logical_addr  64        # 0..255
module_type                e1485    # hp3565[234569],e1485,or raw
...
...
```

Re-save the ".hwiorc" file.

Note:
On the 79000, the "avi*vxi" parameter does not need to be changed.

2. Re-program

Note:
B.03.60 or greater must be installed before reprogramming the memory.

Logged in as 'service1' type:

        $ /usr/hp3070/bin/hwzap -R system -f /usr/hp3070/lib/sysrom

This takes approximately 1 minute.

3. Power cycle the VXI mainframe.

4. Verify the system ROM version.

```
$ /usr/hp3070/bin/hwstrio "VER?"
$ A.02.05
```

This programming procedure does not need to be repeated for subsequent updates or re-loads of system software.

If diagnostic test 8001 continues to fail after this procedure has been implemented, use the standard troubleshooting techniques for DGN test 8001 failure.