

Preliminary:

1. The old controller has databases that may require backup and restore onto the replacement controller.
2. The GeneralPurposeInterfaceBuss ISA Expansion Card which communicates with the Tracker 5100DS **MUST BE RETAINED.**
3. The WinPedal assembly will be removed from the old controller and installed on the secondary parallel card.
4. From past experience, it is highly recommended to follow these instructions, backup software, test the communication to the equipment and WinPedal, restore the necessary data onto the new system, then retest the equipment operation.
5. Additional assistance is available via email:  
MTRTS Assist: 2mtrdata@nor.nuwc.navy.mil  
Hardware/Software Assist: help@nor.nuwc.navy.mil

#### **646 Software Backup Procedures:**

1. The DOS 2MPP Software normally resides in the C:\2MPP directory.  
For O-Level Activities the resulting zip file is about 900KB, for IMAs, the typical 4405 CV/CVN baseline file is approximately 2.6MB compressed (two diskettes will be required).

If winzip is resident on the old system, open winzip and select File, New Archive. When the New Archive Dialog Box Opens, type "A:\HULLID.ZIP" (e.g., CVN71.ZIP). Select the ADD control button, then select all the required files in the C:\2MPP subdirectory.

MMPP.CFG (optional: not always resident for all installations)

MMPPXREF.DAT

TEMPLATE.DBF

XREFTEMP.DBF

MMPP.DBF

2MPP.EXE

NIIN.NTX

VIDMAR.NTX

PN.NTX

NOMEN.NTX

The above 10 files are required to complete 2MPP Application Backup.

If the controller hard drive is reported as suspect faulty, it is not recommended to load any software applications onto the old system (WINZIP) and the DOS PKZIP approach is highly recommended to reduce data loss potential.

Note: If necessary to create a multiple floppy zip file from DOS PROMPT.

```
C:\>COPY A:\PKZIP.EXE
```

```
C:\>PKZIP -& A:\hullid.zip C:\2MPP\*.*
```

2. Start Windows if required, Start MTRTS (Start, Programs, MTR Windows Suite, MTR Tracking System) or from the Program Manager, MTR WINDOWS SUITE Program Group, MTR Tracking System ICON.

Then select Reports, Outgoing Summary to look at the total number of maintenance actions resident in the MTRTS.

**Total Historical Jobs Completed:** \_\_\_\_\_  
(refer to Quarterly Reporting Total)

**Total Jobs resident in MTRTS Database:** \_\_\_\_\_  
(either document above or print out the Outgoing Summary Report)

**NOTE:** Check the Outgoing Summary Report (Setup) dialog box Inception Date value. The default may not be the earliest date available in the Historical Records (if the date is 31-Jul-1990, then the c:\windows\mtrtrack.ini file most likely will require modification). To find the earliest date submitted, look at the Historical Records (Records, Display, Historical Records), then select the First MTR Control Button and scroll through a couple of the first 5-10 records looking for the earliest date submitted entry (by selecting Next MTR Control Button).

**Record earliest Date Submitted Value :(MM-DDD-YYYY)**

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If the earliest date submitted value does not match the Outgoing Summary Report inception date you must edit the INI file (C:\WINDOWS\MTRTRACK.INI).

Edit the C:\WINDOWS\MTRTRACK.INI file to correct the  
Install Date=MM-DDD-YYYY

Please make sure you have the correct format 01-Jan-1998.

```
[MTRTRACK]
```

```
UIC=12345
```

```
Activity=USS Activity Name
```

```
TextColor=0
```

```
BackUpDate=16-Feb-2000
```

```
InstallDate=31-Jul-1990
```

```
MainTop=0
```

```
MainLeft=0
```

Complete the MTRTS Backup to floppy (CNTL+B or File, Backup Database, then select A:\) from the list box as the destination...confirm backup completion (FileManager or DOS DIR).

Exit MTRTS Application and copy the **C:\WINDOWS\MTRTRACK.INI** to same floppy.

3. Start Programs, MTR Windows Suite, HuntronWorkstationForWindows (Program Manager, MTR WINDOWS SUITE Program Group, HuntronWorkstationForWindows (HFW) ICON. Select the System List Box and look for anything other than MTR TEST Directory...if another entry is present in the System Drop Down List Box (SilverDisk for a specific System??). Select the desired system, a different (pre-formatted) floppy must be used using the Huntron Backup Utility.

**NOTE:** The backup procedure from HFW will slick disk prior to making the backup file (HUNTRON.HBK) do not use floppy used in steps one and two. You can backup multiple boards under the same system if it will fit.

After selecting the desired System, Select the File, Backup, then select the required board(s) and complete backup to floppy.

#### **646 Removal Requirements:**

1. Eject/Check old system for CD-ROMs caddies still left in the controller prior to power down, you will need the GDs and Tech Manuals, etc., which may be in the CD-ROM Drives.
2. The GPIB Board (interface board which communicates with the Tracker 5100DS) must be retained and re-installed into the new replacement controller ISA expansion slot.
3. Recommend accomplishing these quick tests on the old controller to make sure none of the hardware is having communication problems prior to migrating to the new controller:

#### **WinPedal Test:**

Start, Programs, MTR Windows Suite, Huntron Workstation for Windows, WinPedal to start the WinPedal application. Maximize the application (or ALT-TAB to the WinPedal Icon) and depress the WinPedal. If working properly, and the application is set to the correct LPT assignment, the WinPedal Dialog box title bar will provide WinPedal status. By default the status should report UP, then DOWN after pedal is depressed.

Check WINPEDAL Software operation and note the LPT port configuration (normally LPT1 if connected to motherboard parallel port controller, or LPT2 for secondary expansion card parallel port controller).

**NOTE:** V5 Controllers (350Mhz or better controllers) will have a second parallel port normally installed in the last expansion slot (bottom slot in the mini-tower config) set to LPT2 (IRQ7, 278h) for WINPedal Communication.

The Huntron application, will automatically be started from the MTR Dispatcher (unless the Options, Launch Test Software on Download is not selected). To test proper GPIB communication, select Control, Maintenance, Calibration Check. After the Calibration Check Dialog Box appears, select Test to accomplish the CAL CHECK. Verify the values returned do not exceed acceptable tolerance. Select the Close control button to exit CAL CHECK.

Select the Control, Maintenance, Relay Test. Select Test to start Relay Test.

#### 4. De-energize old controller and secure power cord.

Remove Case screws and uninstall the GPIB ISA Card. Assure the dip switches are set to all 1-9 OFF, except 4 and 6 ON. The default base I/O hex address the HuntronWorkstationforWindows will look for is normally 02b8h. No DMA nor IRQ jumpers need to be set.

Power Down old controller, then remove WINPEDAL and the GPIB Board expansion card. If the WINPEDAL is connected to a secondary parallel port expansion card (not connected to the motherboard parallel port controller, the parallel port card will also require migration to the new system).

New system installation:

#### 1. Install the GPIB into the remaining available ISA Slot in the replacement controller.

For WIN3.1x systems: Start Windows by typing "Win" at the C:\>prompt (e.g., "C:\>WIN") Open the MTR WINDOWS SUITE Program Group and launch the MTR Dispatcher.

For WIN95/98 systems: Start Programs, MTR Windows Suite, MTR Dispatcher.

Select File, Display Effective CdRoms menu selection and validate the correct archive of Gold/Silver Disk ROMs are displayed. Select OK to return to the MTR Dispatcher.

Select the desired GD Number and associated Sub-Assembly if applicable, then click on Download to confirm proper communication with the CD ROM and subsequent expansion to the C:\MTRSUITE\MTRTEST directory.

Next, Select Control, Maintenance, Relay Test. Select the TEST control button and check for satisfactory results. After the Relay Test is completed, recommend running the CAL Check. If the Calibration Check FAILS, recommend running the Performance Test.

## C8 ESE9 N PERFORMANCE TEST

Select the Control, Maintenance, Performance Test. Complete the Performance Test.

NOTE: The Performance Test requires one of the approved DVMs below:

Keithly Multimeter Model 175-A\V Non-RMS Voltage (Vpp)	or	Fluke 8050A/8060A RMS Voltage (Vpp)
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NOTE: If the HWFW Control, Maintenance Menu option is dimmed, Check the Settings, Hardware Settings Menu item. Select the appropriate Test Hardware Setting from the list below. Select the SAVE control button to update the winhunt.ini file. Note: the default HWFW Test Hardware Setting after initial installation is set to NO TEST HARDWARE.

AN/USM-646(V)	Tracker 5100DS
AN/USM-658(V)	5100DS/RP388
AN/USM-674(V)	Protrack I/Scanner I

## **Developer Stations Only:**

Previous Version 1.1

C:\MTR\GDEVSTAT

contains the Developers Tracking Status Database, start application and backup (C:\GDEVSTAT.ZIP) and copy the DVLPRDAT.TXT files from C:\MTR\GDEVSTAT to floppy.

Latest Version 1.2, is located in C:\MTRSUITE\GDEVSTAT

DOS REAL MODE Scanner Drivers...look in CONFIG.SYS/AUTOEXEC.BAT for odd device drivers if Scanner/Sony CDs (FEDLOG)...are connected to old controller.

Ensure all command line syntax (copy config.sys and autoexec.bat) and required real mode (DOS) drivers (DEVICE=C:\DIRECTORY\DRIVER.SYS) are copied to floppy.

Backup any third party device drivers, especially if work center technician can not locate OEM drivers disks.

## **Restore Software Procedures onto replacement controller:**

New controllers will have winzip pre-installed to support unzipping.

If user requests 2MPP Application installation (restore to C:\2MPP) to another asset in the shop, unzip DOS commands as follows:

Open DOS Shell

Mkdir C:\2MPP

CD 2MPP

```
C:\2MPP>a:\PKUNZIP A:\hullid.zip *.*  
pkunzip(space)source(space)files
```

Copy MTRTRACK.INI to C:WINDOWS

Startup MTRTS and Select File, Restore Database, Run Outgoing Summary to validate all historical records are present.

Start HFW, create any necessary systems, then restore [HUNTRON.HBK(s)] boards as required.

Select Settings, Hardware Settings, NO TEST HARDWARE is the default test equipment setting. Select TRACKER 5100DS from the list box, then select the SAVE control button, then OK to exit.

Select Control, Maintenance, Relay Check to validate 5100DS Communication.

Start MTR Dispatcher, validate proper database is installed/updated (File, Display effective CDROMs, update USER DIR and LOGISTICS Databases as required). Next download any gold disk to support CDROM Test for communication.

For Developer Sites:

C:\MTR\DVLSTAT

Contains the Developer Status Database, Start the Application and complete backup to A:\dvlstat.zip

Copy the C:\MTR\DVLSTAT\DVLPRDAT.TXT file to floppy to preserve personnel/developer station information.

Install the Developer Status Database (Version 1.2 is Y2K Compliant, initially issued on a set of four floppies), copy DVLPRDAT.TXT file from floppy to the new path C:\MTRSUITE\DVLSTAT. Start application and restore database (File, Restore Database).

## **WIN98SE Operating System Check:**

Clean up WIN98, select Start, Control Panel, ADD/REMOVE Programs, the second TAB has the Windows Setup/components.

Approximately 79.0MB of accessories and extra erroneous utilities will be removed from the Windows Setup TAB that the users do not require:

From the Install/Uninstall TAB look for:

LIVE UPDATE as a NORTON Utility

Microsoft Windows 98 Starts Here

Running Microsoft Windows

Select the Add/Remove control button for each of the above if resident.

From the Windows Setup TAB:

(de-select the following items for removal)

- Accessibility
- Communication
- Desktop Themes
- Internet Tools
- Online Services
- Outlook Express
- Multilingual Support
- Multimedia

- Accessories: Games
- SystemTools Drive Converter (FAT32)
- NetWatcher

Remove the following items from the StartMenu/Programs:

- Accessories: Internet Tools
- System/Welcome to Windows
- StartMenu Update98
- C:\WINDOWS\FAVORITES\LINKS
- C:\ProgramFiles\OutlookExpress
- C:\ProgramFiles\OnlineServices

Desktop: Right Click on the Network Neighborhood and remove Dial-Up Adapter.

Copy 646logo.bmp to C:\MTRSUITE and C:\WINDOWS, right click on the desktop and select the browse control button on the Background TAB, then locate the 646logo file located in C:\WINDOWS and select APPLY, then OK.

Last remember to empty the recycle bin after deleting all the extra junk.