To use the Dev Station ESR (FMS)

1. Install the ESR
   1. Boot computer using the System Software Release – Emergency Software Recovery image disks [Set of 3]
      1. Enter the system BIOS by depressing the <DEL> key as the system is coming up
      2. Enter BIOS password as required
      3. Insert the SSR\_ESR\_XXX Disk 1 created into the lunchbox DVD drive
      4. Go to “Save and Exit” tab, and select “DV-W28SS-B” in the “Boot Override” section and press <ENTER> key
      5. Press any key when prompted to boot from the DVD
      6. Click [Next] when prompted to select a keyboard input method
      7. Select the “Restore your computer using a system image that you created earlier” radio button, then click [Next]
      8. You will get a message that “Windows cannot find a system image on this computer”
      9. Remove Disk 1 and insert Disk 3, Click [Retry]
      10. Select the “Select a system image” radio button, then click [Next]
      11. Select the list entry that corresponds to the image found on the DVD drive. That entry will have the “Computer Name” listed as “VIPERTFMS-XXXX”. Click [Next]
      12. Select the only list entry presented to select the date and time backup available for VIPERTFMS-XXXX on DVD Drive”. Click [Next]
      13. Select (check) the box to “Format and repartition disks”, and ensure that the “Only restore system drives” box is NOT checked, then click [Next]
      14. Click [Finish] at the resulting “Re-image your computer” prompt, then click [Yes]
      15. When prompted to insert “DVD Label: VIPERT-FMS-XXXX X/XX/XXXX H:MM AM/PM 1” insert Disk 2 and Click [OK]
      16. When prompted to insert “DVD Label: VIPERT-FMS-XXXX X/XX/XXXX H:MM AM/PM 2” insert Disk 3 and Click [OK]
      17. After the image is installed, allow the system to restart
      18. Remove and store the SSR-ESR disk
   2. Login as Administrator and answer SysMon questions appropriately until prompted that SysMon will automatically shutdown
      1. Is the current Date and Time = MM/DD/YYYY HH:MM AM/PM?
      2. ATS Initial Setup is now complete, Click [OK] to continue.
      3. Is the Configuration correct?
      4. Enter System Serial Number, then Click [OK].
      5. Is the Serial Number correct?
      6. Follow instructions on the Configure Ethernet Ports window. When complete Click [OK], this will run a program that will set the IP Addresses for the ports.
      7. Verify in the command window that there were no errors setting the Ethernet Ports. Click [Enter] to close the window.
      8. If there were errors in the command window, click [Retry] in the second Configure Ethernet Ports pop up window after the errors are fixed. If no errors then click [Cancel].
      9. DO NOT click [OK] in the system will automatically shut down window at this time. Leave this pop-up window opened.
   3. Change computer name
      1. Click “Start Menu”, then click “Computer”
      2. In the left window pane, right click “Computer” and click “Properties”
      3. In the “Computer Name”, domain and workgroup settings” portion of the window, click “Change settings”
      4. Click “Change”
      5. In the “Computer Name” section, edit the field to read “VIPERTFMS-XXXX” where “XXXX” identifies the system serial number
      6. Click “OK” to acknowledge a restart is required
      7. Close the “System Properties” window, then click “Restart Later”
   4. In the SysMon window left opened above stating the system will automatically shut down windows at this time, click [OK]
   5. Power up the controller, logon as the Administrator, and verify proper system operation.
2. At your Dev Station build the source in Debug mode
3. Copy the source (entire Software Development folder) onto a hard drive to move to System
4. Uninstall System SW currently on system
   1. Kill SysMon
   2. Go to Control Panel -> Programs -> Uninstall a program
   3. Choose ATS System Software
5. Install new System Software
   1. Navigate to “C:\Software Development\ATS\Target\Express\SingleImage\DiskImages\Disk1” and locate the setup.exe
   2. Right Click and Run as Administrator to install
   3. Follow prompts to complete install
6. Move the .pdb files matching what you are wanting to debug to its respective folders

WCEM- “C:\usr\tyx\sub\IEEE716.89\VIPERTMNG\Station”

ATXML Wrappers- “C:\Program Files(x86)\ATS\ISS\Bin”

System Menu, System Monitor-“C:\Program Files(x86)\ATS”

Self-Test -“C:\Program Files(x86)\ATS\System Test”

Confidence Test- “C:\Program Files(x86)\ATS\CTest”

SAIS Panels-“C:\Program Files(x86)\ATS\ISS\Bin”

NAMS- “C:\usr\tyx\bin”

CICL-“C:\Program Files(x86)\ATS\ISS\Bin”

1. If you are debugging a WCEM you will have to attach to Wrst.exe (PAWS Run Time)

For ATXML attach to CICL.exe

NAMS-easiest way is to add a message box pop up that will pause execution to allow you to attach, this same concept can be used for SAIS Panels, SysMon, Self Test SysMenu etc.