To use the Dev Station ESR (GPATS)

1. Install the ESR
   1. Boot CIC using the System Software Release – Emergency Software Recovery image disk
2. Power up the CIC and insert Recovery Disk
3. Restart the CIC(before windows startup screen appears)

**Note**: The above step is needed so the BIOS will show the Disk in step e.

1. Enter the system BIOS by depressing the <DEL> key as the system is coming up
2. Enter BIOS password as required
3. Go to “Save and Exit” tab, and select “UEFI: DV-W28SS-B” in the “Boot Override” section and press <enter> key
4. Press any key when prompted to boot from the CD or DVD

***Note: It takes a while to get to this next step***

1. Choose US Keyboard Layout
2. Choose Troubleshoot
3. Choose System Image Recovery
4. Choose Windows 10
5. You will get a message that “Windows cannot find a system image on this computer”
6. Remove Recovery Disk and insert Disk 3, Click Retry
7. In the “Select a system image backup” window select the “Select a system image” radio button, then click “Next”
8. In the “Select the location of the backup for the computer you want to restore” window select the list entry that corresponds to the image found on the DVD drive. That entry will have the “Computer Name” listed as “GPATSCIC-XXXX”. Click “Next”
9. In the “Select the date and time of the system image to restore” window select the only list entry presented to select the date and time backup available for “GPATSCIC-XXXX on DVD Drive”. Click “Next”
10. In the “Choose additional restore options” window select (check) the box to “Format and repartition disks”, and ensure that the “Only restore system drives” box is NOT checked, then click “Next”
11. Click “Finish” at the resulting “Re-image your computer” prompt, then click “Yes”
12. When prompted insert Disk 1 and Click OK
13. When prompted insert Disk 2 and Click OK
14. When prompted insert Disk 3 and Click OK
15. After the image is installed, allow the system to restart
16. Remove and store the SSR-ESR disk
    1. 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. 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.
    2. Activate Windows
17. Connect a Common Access Card (CAC) reader into the CIC
18. Insert your CAC
19. Click the Windows Icon and click Control Panel
20. Click System and Security
21. Click System
22. Click Activate Windows (towards bottom of screen)
23. Click Troubleshoot
24. A Certificate window pops up, click OK
25. Enter your PIN
26. Click OK
27. Windows is now activated
    1. Change computer name
28. Right click “Start Menu”, Choose System
29. Click “Rename this PC”
30. Click “Yes” at UAC
31. In the empty field type “GPATSCIC-XXXX” where “XXXX” identifies the system serial number
32. Click Next
33. Click “Restart Later”
34. Click “OK” in the Sysmon prompt to shut down the system
    1. Finish System Setup
35. Power up the CIC
36. Logon as Administrator
    1. SysMon will not currently start up the CICL in the Administrator account without running it as Administrator
    2. You can allow it fail the CICL or Startup or you can kill the SysMon process with Task Manager. (Either way is fine)
    3. There is a SysMon Icon on the desktop. Right Click and chose “Run as Administrator”. Click “Yes” for the UAC prompt.
37. Verify proper system operation
38. Import UDD information if desired
39. At your Dev Station build the source in Debug mode
40. Copy the source (entire Software Development folder) onto a hard drive to move to System
41. Uninstall System SW currently on system
    1. Kill SysMon
    2. Go to Control Panel -> Programs -> Uninstall a program
    3. Choose ATS System Software
42. 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
43. 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”

System Survey- “C:\Program Files(x86)\ATS\SystemSurvey”

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.