

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 1

Submit

Prev.

Next

Created: Sep 5 2017 4:47PM**State:** Closed**Title:** TETS RF Power Meter Table Editor Issue**Problem:**

(Robert.Giumarra)

The TETS RF Power Meter does not properly display saved table data. Specifically, the last value has garbage data. Also, if the user leaves a blank line at the end of the table, the panel will throw an exception when trying to save the data to the hardware.

Analysis:

(Robert.Giumarra)

The buffer used to read back data from the hardware and populate the edit window was too small to contain all the data, which is why the last line was garbage. This buffer has been enlarged to properly hold the data required. Also, an exception handler was added to handle the case where a user left a blank line at the end of the table.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1595

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:21AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 2

Submit

Prev.

Next

Created: Sep 5 2017 4:54PM**State:** Closed**Title:** Altered INI file processing to allow absence of Calibration data

Problem: We need to allow for absent Calibration data in the System menu so that we can deliver stations without calibration data. This will make it easier for the end user to copy in the appropriate data prior to fielding the system

(Robert.Giumarra)

Analysis: The system software sysmenu cannot handle an INI file that is missing all the calibration data as it will throw an exception. It is desirable that this be handled and an out of calibration date be reported in that case. Also remove all the calibration dates and fields from the INI files in the software repository.

(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1596

(Robert.Giumarra)

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:21AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 3**Created:** Sep 7 2017 10:37AM**State:** Closed

Title: CTest is not correctly setting the "System Effective" date field

Problem: CTest is not correctly setting the "System Effective" date field in the
(Robert.Giumarra) ATS.ini file when configured as a TETS. This makes the Calibration date reported by the system menu incorrect.

Analysis: This is related to PCR GCIC-015. The issue is not the setting of the system
(Robert.Giumarra) effective date, but the processing issue stated in GCIC-015

Action Taken: See GCIC-015
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:21AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 4

Submit

Prev.

Next

Created: Sep 18 2017 10:13AM**State:** Closed**Title:** VIPERT RF STIM WCEM Memory Corruption

Problem: The VIPERT RF STIM PAWS WCEM is causing the WRTS process to crash.
(Kyle.Darcangelis)

Analysis: The RF STIM WCEM does not allocate enough memory for signal description XML string. Memory was being allocated using a sizeof function call, however during long TPS runs a heap corruption would be experienced. This would cause occasional WRTS crashes to happen. The signal description char array should be enlarged and use a static size since this function is not behaving correctly.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1597
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:21AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 5

Submit

Prev.

Next

Created: Sep 19 2017 3:37PM**State:** Closed**Title:** Adjust code disabling polling while running CTEST**Problem:**

(Robert.Giumarra)

After discussion with the customer, it was decided to modify CTEST to stop sysmon chassis polling while CTEST is running. This was done in the past and believed to help avoid collisions on the GPIB. This mechanism needs to be adjusted so that polling stops after testing is complete rather than when the CTEST GUI is closed.

Analysis:

(Robert.Giumarra)

Instead of sysmon tracking the existence of the CTEST process, a better option is to look at the CTEST status field in the ATS.ini file to determine whether or not to poll the chassis

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1598

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:21AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 6

Submit

Prev.

Next

Created: Sep 20 2017 1:48PM**State:** Closed**Title:** VidTool throws exception if Power is applied prior to opening**Problem:** VidTool throws an exception if the power supplies have already powered up the collimator prior to executing the VidTool.exe panel.
(Robert.Giumarra)**Analysis:** When proceeding through the software path having power already applied, and ResetModuleInitiate() is not being called prior to talking to the collimator. This causes the SBIR VEO2.dll to try to write to a protected area. This should be corrected by adding the ResetModuleInitiate() call as is appropriate prior to calling any other VEO2.dll functions.
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1599 and 1602
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:22AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 7

Submit

Prev.

Next

Created: Sep 21 2017 9:40AM**State:** Closed

Title: Several issues detected in STEST for TETS

Problem: 1. If operator clicks the close button in the upper right corner to exit selftest, the selftest log file is not being added to the system logfile. 2. (Robert.Giumarra) Some tests are showing passed if the operator clicks abort in an end to end run. 3. Some minor issues in the show temperature routine for failed modules in primary and secondary chassis. 4. The initModAnal routine fails the first time, but passes afterwards. 5. Test Step DTS-12-001 intermittantly fails to measure TOOCYCLE output frequency.

Analysis: 1. Fix - Need to add call to EndProgram in Form_query_unload routine. 2. (Robert.Giumarra) Fix - Need changes to the PerformSelfTest routine. 3. Fix - There are several issues in the show temperature routine for failed modules in primary and secondary chassis that need correction. 4. Fix - Add several delays and a retry statement. 5. Fix - Changing the timing range from 20uS to 10uS, and two delays from 0.3 seconds to 0.5 seconds will correct this issue.

Action Taken: Software modifications committed to trunk @ revision 1600
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:23AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 8**Created:** Sep 22 2017 2:44PM**State:** Closed**Title:** DCPS SAIS not resetting properly

Problem: The DCPS SAIS is not resetting the programmed voltages in the power supply when doing a reset. It is leaving the supplies programmed.
(Robert.Giumarra)

Analysis: We need to explicitly write the values for reset to the supplies
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1601.
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:23AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 9

Submit

Prev.

Next

Created: Oct 5 2017 10:41AM**State:** Closed**Title:** TETS RF Stim Panel Crash**Problem:** Customer is reporting the TETS RF Stim panel crashes when starting
(Kyle.Darcangelis)**Analysis:** Crash error message reports that the NI Measurement Studio control design
(Kyle.Darcangelis) time licenses have expired. Need to refresh the design time licenses in
Visual Studio.**Action Taken:** Software modifications committed to trunk @ revision 1608 and 1647
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:25AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 10**Created:** Oct 5 2017 10:43AM**State:** Closed

Title: TETS Rf Counter SAIS Panel About Window Issue

Problem: The TETS RF Counter SAIS About Window is printing garbage to the manufacturer and model code fields.
(Robert.Giumarra)

Analysis: Need to correct data hard coded in the about panel source for the RF Counter
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1609
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:25AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 11

Submit

Prev.

Next

Created: Oct 5 2017 10:44AM**State:** Closed**Title:** ARB SAIS Panel User Waveform Editor Crash**Problem:** Customer Reports that the ARB SAis Panel crashed when trying to edit a user waveform.
(Kyle.Darcangelis)**Analysis:** NationalInstruments.Analysis.Standard.dll is missing from the ATS/ISS/Bin directory in the installer.
(Kyle.Darcangelis)**Action Taken:** Software modifications committed to trunk @ revision 1610 and 1627
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:25AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 12

Submit

Prev.

Next

Created: Oct 5 2017 10:49AM**State:** Closed**Title:** DCPS SAIS Panel Reset Issue

Problem: Customer Reports that the DCPS SAIS Panel is not resetting the Voltage and Current parameters back to 0 when Reset All is selected.
(Kyle.Darcangelis)

Analysis: This issue was identified during the VIPERT/MNG EO program. Code to fix this issue has been merged into CIC. This is a duplicate PCR. See
(Robert.Giumarra) GCIC-008.

Action Taken: N/A
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0A**Date:** Oct 11 2017 2:44PM

[Home](#)

Problem Report

Project: GPATS-CIC
Number: 13
Created: Oct 5 2017 11:06AM
State: Closed

Title: CTEST Cal Due Dates

Problem: Customer reports the Calibration due dates are incorrect for the ARB and DMM.
 (Kyle.Darcangelis)

Analysis: There is an issue in the Main.vb of CTest in handling the dates for these two instruments. The Date format used for the ARB requires correction and the DMM needs to have one year added to the parsed date.
 (Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1611
 (Robert.Giumarra)

Implementation:
 (Robert.Giumarra)
Version: 2.0.0.0B
Date: Dec 4 2017 9:25AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 14

Submit

Prev.

Next

Created: Oct 5 2017 11:16AM**State:** Closed**Title:** ARB Sais Panel Vrms Units Missing**Problem:** Customer Reports VRms units are missing in the ARB SAIS Panel.
(Kyle.Darcangelis)**Analysis:** We need to add the units in the hpe1445a.vb panel
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1612
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:26AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 15

Submit

Prev.

Next

Created: Oct 5 2017 2:20PM**State:** Closed**Title:** TETS CTEST Cal Date Instrument Call Outs

Problem: Customer Reports that the instrument Description for some of the Cal dates is printed as a "0".
(Kyle.Darcangelis)

Analysis: TETS RF instruments are not being handled correctly in the CTEST Main.vb source code. These entries need to be added to the processing.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1613
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:26AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 16

Submit

Prev.

Next

Created: Oct 9 2017 4:40PM**State:** Closed

Title: Teradyne DTI version needs to be updated to V6.3

Problem: Teradyne has a newer version of the DTI driver. We have been loading version 6.1. We need to use version 6.3
(Robert.Giumarra)

Analysis: This software needs to be added to the COTS Installs disk, and properly documented in the STrP
(Robert.Giumarra)

Action Taken: This has been corrected in the STrP gold system build instructions, and also
(Robert.Giumarra) on the COTS Installs DVD to be prepared for release 2.0.0.0B

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:26AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 17**Created:** Oct 11 2017 2:36PM**State:** Closed**Title:** System Software support for TSUpload

Problem: The TSUpload NAM does not work. The system source code must be updated to support this TPS NAM
(Robert.Giumarra)

Analysis: PowerShell scripts must be added to the build, and powershell software must be installed to support the scripts. Also, the Ethernet wrapper must be updated to support running the scripts. Also, the STrP and CIP disk must be altered to install the powershell software
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1603, 1604, 1605, 1606, 1607 and 1645
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 5 2017 5:10PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 18

Submit

Prev.

Next

Created: Oct 11 2017 2:57PM**State:** Closed**Title:** DMM Tool Tips

Problem: The DMM measurements functions do not show tool tips. These tool tips have been requested by the customer.
(Robert.Giumarra)

Analysis: Need to add the appropriate "ToolTipText" for each "ToolBarButton" in the collection editor.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1614
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:27AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 19**Created:** Oct 11 2017 4:02PM**State:** Closed**Title:** SAIS Toolbar EO Power**Problem:**

(Robert.Giumarra)

The first time IRWindows is opened, the operator is prompted to apply power. When he closes the IRWindows application, he is prompted to remove power...answer yes. Then, re-open IRWindows. The user is again prompted to apply power, however power will not be applied, and the timer progress bar shows time complete. So, power is not applied for IRWindows usage after the first try. If the SAIS Manager application is killed, and then re-opened, it will work again as the first time. Also, Power is not removed from the EO in the reverse order that they were applied. This is desirable.

Analysis:

(Robert.Giumarra)

The timer progress bar is not being reset after power is applied. This needs to be corrected in SAISMGR toolbar application. Also, power supply removal order in the code should be changed to remove them in the reverse order of application.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1615

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:27AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 20

Submit

Prev.

Next

Created: Oct 11 2017 4:17PM**State:** Closed**Title:** SysLogViewer cannot exit via file menu drop-down**Problem:** System Log Viewer application has issue when trying to close using the File Menu Exit selection
(Robert.Giumarra)**Analysis:** Need to correct Syslog.vb to allow the form to close when clicking File Menu Exit
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1616
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:27AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 21

Submit

Prev.

Next

Created: Oct 11 2017 4:23PM**State:** Closed**Title:** FHDB export folder selection

Problem: FHDB export does not allow selection of folder C\User\Documents. This should be added to the allowable paths for FHDB export
(Robert.Giumarra)

Analysis: Need to allow FHDB export access to the requested directory. These are hard coded paths in the source code.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1617
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:27AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 22

Submit

Prev.

Next

Created: Oct 11 2017 5:37PM**State:** Closed**Title:** Self Test Timer Window Issue**Problem:**

(Robert.Giumarra)

When observing the warmup menus on the system, it was noted that the minutes roll on over at 30 second and not 0 second. The time elapse is still one minute interval but minute will change at when the countdown reach the 30 second mark. Also the once you click on show details on the menus the countdown will remain behind the main menu and the user cannot see it.

Analysis:

(Robert.Giumarra)

Need to correct form display and timer arithmetic in STest_bas.vb for both the TETS and VIPER configurations. Also, other module changes required to properly handle the timer.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1619

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:27AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 23

Submit

Prev.

Next

Created: Oct 11 2017 5:39PM**State:** Closed

Vidtool operation corrections/enhancements

Title:**Problem:**

(Robert.Giumarra)

The following corrections/enhancements has been requested by the customer: 1. When Visible tab is selected the beam splitter is in the line of sight 2. Radiance setting allows alpha chars but cannot handle them 3. Delta-T setting allows alpha chars but cannot handle them 4. Laser Trigger setting does not always get set to the requested value 5. Status bar message does not always reset, sometimes showing message from last operation even though it has completed 6. Power button not updated if user selects "NO" (If user selects NO, the button then shows "Power OFF" even though power is off) 7. Power LEDs should show illuminated if power is applied, and not wait the three minutes first 8. VidTool LARRs Polarization Angle always reports 0

Analysis:

(Robert.Giumarra)

Multiple corrections need to be made to the VidTool source to affect the required changes

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1618

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:28AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 24

Submit

Prev.

Next

Created: Oct 11 2017 6:21PM**State:** Closed**Title:** Sysmenu Does Not Allow *.xml or *.SGM IETMS**Problem:** SYSMENU Does not find *.xml or *.SGM IETMS.
(Robert.Giumarra)**Analysis:** This is outside the contractual scope. Nevertheless, this may be corrected by looking for these file extensions. Code changes required in syspanl.vb and main.vb in the sysmenu project
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1620
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:28AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 25**Created:** Oct 13 2017 2:02PM**State:** Closed

Title: Correct paths for device and switch build batch

Problem: The Bld_ddb_sdb.bat batch file used to build the Device/Switch/Lex have paths that require PAWS installation to be present on build machine. The paths should actually reference the source code directory structure instead.
(Robert.Giumarra)

Analysis: Will need to update hte Bld_ddb_sdb.bat file to correctly utilize source code versions of files.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1621
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:28AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 26

Submit

Prev.

Next

Created: Oct 16 2017 10:11AM**State:** Closed

Title: **Hardware and Setup instructinos on TETS show VIPER/T**

Problem: The System Menu buttons for Inventory and the Setup Instructions on a TETS system display the VIPER/T files.
(Robert.Giumarra)

Analysis: The subroutines for the System Menu buttons are checking system type, however they are not correctly retrieving the proper string from the INI file.
(Robert.Giumarra) This also needs to be fixed for the system monitor 10 second button

Action Taken: Software modifications committed to trunk @ revision 1622 and 1623
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:28AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 27

Submit

Prev.

Next

Created: Oct 16 2017 4:19PM**State:** Closed**Title:** Add help file for E1412A DMM

Problem: Help file for legacy TETS DMM is needed. Currently it shows the Ri4152A manual
(Robert.Giumarra)

Analysis: Download and use legacy manual for the DMM help when running on TETS as determined by reading the ini file.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1625
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:28AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 28

Submit

Prev.

Next

Created: Oct 17 2017 10:17AM**State:** Closed**Title:** Correct S9XX labels on switch SAIS

Problem: The switch SAIS has the 900 series switches labeled as starting at S900 and going to S901. They should be S901 through S906
(Robert.Giumarra)

Analysis: Need to correct the labels in the SAIS. Also need to fix switch closure commands for the series 9XX switches. All switch closures are operating on the same S901 switch
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1626 and 1646
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:28AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 29**Created:** Oct 17 2017 10:48AM**State:** Closed

Title: Arb panel sweep control issue

Problem: The arb panel has several issues: 1. The down arrow does not function for sweep duration 2. The arrow buttons for sweep count controls the number of steps 3. The arrow buttons for number of steps controls the sweep count
(Robert.Giumarra)

Analysis: Need to reassign the events to the arrow buttons to correct this issue
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1628
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:29AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 30

Submit

Prev.

Next

Created: Oct 17 2017 11:16AM**State:** Closed**Title:** BUSIO panel max time and receive length

Problem: The BUS IO panel does not restrict the max time for the CAN bus, and also does not restrict the receive length to 1000
(Robert.Giumarra)

Analysis: The BUS IO panel needs to be altered to restrict the MAX time of the CAN bus to 20 seconds, and restrict the receive length fields to 1000
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1629 and 1635
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:29AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 31

Submit

Prev.

Next

Created: Oct 17 2017 11:32AM**State:** Closed**Title:** DSO Stop Level buttons**Problem:** There are no buttons for the stop level voltage and percentage
(Robert.Giumarra)**Analysis:** We should add these buttons to the panel. The buttons for start source
(Robert.Giumarra) should always mirror the selection for stop source, and vice versa**Action Taken:** Software modifications committed to trunk @ revision 1630
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:29AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 32**Created:** Oct 17 2017 1:53PM**State:** Closed

Title: DCPS Load from file does not work

Problem: This function does not work. It also did not work in the legacy GFI
(Robert.Giumarra)

Analysis: This functionality can be corrected. The settings are being saved in the file,
(Robert.Giumarra) but they are not being applied after loading tot he DCPS panel.

Action Taken: Software modifications committed to trunk @ revision 1631
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:30AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 33

Submit

Prev.

Next

Created: Oct 17 2017 2:59PM**State:** Closed**Title:** Arb SAIS creates Triangle wave when requesting Ramp

Problem: The Ramp button creates a Triangle wave. Identical to using the Triangle button.
(Robert.Giumarra)

Analysis: When clicking the Ramp button, the case statement is hitting the Triangle routine in the source code. Need to correct the case statement processing.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1632
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:30AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 34**Created:** Oct 17 2017 3:02PM**State:** Closed**Title:** Trigger values on the Arb panel not correct

Problem: The trigger range values for the Arb panel are not correct.
(Robert.Giumarra)

Analysis: Currently the values go from 1pV to 10.2375. The values should go from
-10.2375 to +10.2375
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1633
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:30AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 35

Submit

Prev.

Next

Created: Oct 18 2017 10:49AM**State:** Closed**Title:** SerialNam is not working**Problem:** Serialnam is causing the CICL to crash
(Kyle.Darcangelis)**Analysis:** There are nomenclature and permissions issues in the serial wrapper. These issues were corrected in the VIPER/T MNG system software. Need to merge MNG serial atxml wrapper changes into CIC system software
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1634
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:30AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 36

Submit

Prev.

Next

Created: Oct 18 2017 2:15PM**State:** Closed**Title:** TETS RF MEAS SAIS Panel Detector Cal issue**Problem:** Customer reports that the TETS RF MEAS SAIS panel is not reporting the status of the detector calibration.
(Kyle.Darcangelis)**Analysis:** The panel is not reporting and updating the status reported in the displayed text field appropriately.
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1636
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:30AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 37

Submit

Prev.

Next

Created: Oct 18 2017 2:33PM**State:** Closed**Title:** VIPERT RFMEAS SAIS Panel External Trigger Level Issue

Problem: Customer Reports that the VIPERT RFMEAS SAIS Panel does not display a units box when attempting to enter a trigger level.
(Kyle.Darcangelis)

Analysis: This is identical to the legacy GFI. Nevertheless, it is relatively simple to add the units to this control.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1637
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:31AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 38

Submit

Prev.

Next

Created: Oct 19 2017 2:36PM**State:** Closed**Title:** DMM SAIS Panel Button Label issue**Problem:** The DC Volts Ratio button is being incorrectly label as "DC RMS Volts".
(Kyle.Darcangelis)**Analysis:** The button is incorrectly labeled, and the tool tip text is incorrect also. "DC RMS Volts" should be "DC Voltage Ratio"
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1638
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:31AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 39

Submit

Prev.

Next

Created: Oct 23 2017 10:51AM**State:** Closed**Title:** DCPS Sais Panel Reset Issue

Problem: After loading a saved DCPS SAIS panel configuration file, the individual reset instrument button does not work.
(Kyle.Darcangelis)

Analysis: When the DCPS SAIS loads a saved configuration, the single supply reset doesn't work because that routine is not checking which supply is actually applied. The "cmdResetSingle_Click" event routine needs to check which supply is active prior to sending the appropriate reset command.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1639
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:31AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 40

Submit

Prev.

Next

Created: Oct 23 2017 10:53AM**State:** Closed

Title: TETS RFMEASN Sais Panel Sometime Throws an Exception on Startup

Problem: The TETS RFMEASN Panel sometime throws an exception when opened.
(Robert.Giumarra)

Analysis: This exception happens when routine "ConfigGetCurrent" determines "Live Mode"...the actual reported exception is not an issue, but it needs to be handled. There was an effort to handle it in the code, but the "Catch" statement is misplaced. This needs to be corrected.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1640
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:31AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 41**Created:** Oct 23 2017 10:54AM**State:** Closed

Title: OSCOPE SAIS Panel Leaving an Error Status on SCOPE when closing panel.

Problem: The SCOPE Panel is sending incorrect commands to the instrument when closing the panel via the "x" button.
(Kyle.Darcangelis)

Analysis: Command being sent to the DSO during the form close event are not correct. Need to correct this command.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1641
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:31AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 42

Submit

Prev.

Next

Created: Oct 23 2017 1:48PM**State:** Closed**Title:** DSO SAIS Panel No Help**Problem:** DSO SAIS Panel does not show a help file when clicked.
(Kyle.Darcangelis)**Analysis:** There was is no help button, only a picture showing signal characteristics.
(Robert.Giumarra) This is exactly how the help was on the legacy VIPER/T and TETS. To provide a help manual, we would need to add the actual DSO PDF user manual, as well as making a button to launch it.**Action Taken:** Software modifications committed to trunk @ revision 1642
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0B**Date:** Dec 4 2017 9:32AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 43

Submit

Prev.

Next

Created: Oct 23 2017 2:03PM**State:** Closed

Title: RFMS Server Error Messages are Incorrect

Problem: RFMS Server Error message when setting the RF Counter Timeout reports and incorrect range value. (reports 1-60, should be 1-1000).
(Kyle.Darcangelis)

Analysis: Hard coded messages have some typos. These need to be looked at and corrected
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1643 and 1644
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:32AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 44**Created:** Oct 26 2017 3:20PM**State:** Closed

FG Help and About Discrimination

Title:**Problem:**

(Robert.Giumarra)

The function generator about button reports 3152 on a VIPER/T (should be 3152A). Also, the TETS system help button will display a 3152A user manual. This should be the 3152 manual.

Analysis:

(Robert.Giumarra)

Need to check station configuration in the ini file, and use that information to show appropriate user guide and report appropriate model information.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1648

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:32AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 45

Submit

Prev.

Next

Created: Oct 27 2017 11:23AM**State:** Closed

Title: **Function Generator trigger delay spin button malfunction**

Problem: The trigger delay spin buttons do not work correctly
(Robert.Giumarra)

Analysis: The spin up and spin down event handlers are erroneously calling the
"SetMaxTrigDelay" and the "CheckTriggerDelay" functions
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1649
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Dec 4 2017 9:32AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 46**Created:** Oct 31 2017 12:54PM**State:** Closed**Title:** Logwrite nam build dependency issue

Problem: Customer reports that Logwrite NAM is unable to find "Visa.h" on their build system.
(Robert.Giumarra)

Analysis: Copy the Visa.h, visatype.h, and the vpptype.h files to the \Software Development\ATS\Source\Core\Source\NAMS\Common\Include directory.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1664
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0C**Date:** Dec 4 2017 9:33AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 47

Submit

Prev.

Next

Created: Oct 31 2017 2:32PM**State:** Closed

Title: ARB SAIS Panel sends Commands To Instrument While in Remote Mode

Problem: The ARB SAIS Panel is sending commands to the instrument while in Remote mode.
(Robert.Giumarra)

Analysis: Panel is not correctly determining that it is in debug mode. This needs to be corrected in the "WriteInstrument()" routine of the Main.vb.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1652
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:49AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 48**Created:** Oct 31 2017 3:00PM**State:** Closed

Title: ARB Sais Panel Crashes when set to DC Ouput -5.11875V

Problem: The ARB SAIS Panel is crashing when the output type is set to DC and the voltage level is set to -5.11875.
(Robert.Giumarra)

Analysis: Exception handler needs to be added to the SAIS software to avoid crashing the panel.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1653
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:49AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 49**Created:** Oct 31 2017 5:02PM**State:** Closed

Title: Ethernet "Local Area Connection" naming issue

Problem: There are instructions in the gold system build that require the developer to search the registry and delete GUIDs associated with "Local Area Connection" name. On some controllers, it is possible "Local Area Connection" name is associated with an actual port, and not just an unused entry in the registry as previously thought. These instructions need to be modified to account for this.

Analysis: Instructions for Gold System Build need to be modified to include a check of the current port names prior to editing the registry

Action Taken: Instructions have been modified and will be included in STrP revision 5

Implementation:

Version: 2.0.0.0D

Date: Dec 5 2017 5:12PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 50**Created:** Oct 31 2017 5:05PM**State:** Closed**Title:** Bootable ESR Instruction Clarity

Problem: The instructions developed for creating a bootable ESR could be more clearly written. There was some confusion and it is desirable to revisit these steps and make them more explicit.
(Robert.Giumarra)

Analysis: Need to revisit the STrP section on creating a bootable ESR and add some more words to provide clarity on the process.
(Robert.Giumarra)

Action Taken: Instructions have been modified and will be included in STrP revision 5
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 5 2017 5:12PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 51

Submit

Prev.

Next

Created: Nov 1 2017 1:23PM**State:** Closed

Title: **SYSMON Does not Remove Stimulus when Receier is Opened**

Problem: SYSMON is not removing all instrument stimulus when the receiver is opened and ATLAS is running.
(Kyle.Darcangelis)

Analysis: The system monitor must allow the CICL some time to start before requesting connections to clients.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1654
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 5:57PM

[Home](#)

Problem Report

Project: GPATS-CIC
Number: 52
Created: Nov 1 2017 2:15PM
State: Closed

Title: SYSMENU Station IETM Issue

Problem: SYSMENU is not launching station IETMS authored in 3.2.7 in the correct version of IADS.
 (Kyle.Darcangelis)

Analysis: The software is not looking for TETS.ide. This needs to be added to the decision tree in syspanl.vb to handle our test case.
 (Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1655
 (Robert.Giumarra)

Implementation:
 (Robert.Giumarra)

Version: 2.0.0.0D
Date: Dec 6 2017 10:49AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 53

Submit

Prev.

Next

Created: Nov 1 2017 4:37PM**State:** Closed**Title:** UDD Restore Warning

Problem: When restoring the UDD the software reports via a warning that the media is not correctly formatted as a UDD.
(Robert.Giumarra)

Analysis: UDD Restore software mistakenly looks for ATS.ini in the root to determine that it is a correctly formatted UDD. This needs to be modified.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1656
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 5:58PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 54**Created:** Nov 1 2017 6:35PM**State:** Closed**Title:** APS IETM version 3.4.X**Problem:**

(Robert.Giumarra)

After installing APS PSM-105 optical media in the CDROM drive (IETM authored with IADS V3.4.13) and selecting (clicking) the "View TPS Technical Manual" button, the IETM failed to display and the mouse cursor showed as busy. The correct behavior would be to launch IADS reader version 3.4.25. This is demonstrated running the test procedure for requirement SW129.

Analysis:

(Robert.Giumarra)

This was determined to be an issue with the TPS disk used to test and verify the requirement. This was successfully retested 11/10/17 using another recreated TPS disk. There is no system software action required.

Action Taken:

(Robert.Giumarra)

No action required

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0B**Date:** Nov 13 2017 9:49AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 55

Submit

Prev.

Next

Created: Nov 2 2017 8:22AM**State:** Closed**Title:** **Function Generator SAIS Panel Marker Issue****Problem:** The Marker Interval Box is not scrolling correctly.
(Kyle.Darcangelis)**Analysis:** Need to properly refresh display after using the spinner buttons, modify the
(Robert.Giumarra) spin up/spin down/and textchanged event routines,**Action Taken:** Software modifications committed to trunk @ revision 1678
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0D**Date:** Dec 6 2017 10:50AM

[Home](#)

Problem Report

Project: GPATS-CIC
Number: 56
Created: Nov 2 2017 10:53AM
State: Closed

Title: TETS RFMEas SAIS multiple issues

Problem: (Robert.Giumarra) The TETS configuration RF Measurement Analyzer panel self calibration button reports error to the operator. The Measurement button also seems to become inactive after some measurements, and the measurements made are inconsistent (sometimes look good, then not good). Also, occasional invalid mnemonic 16 error is reported. Investigation shows that the legacy SAIS software operation on the GFE dock having software v2010update2 seems to display some of the same issues.

Analysis: (Robert.Giumarra) Self CALibration button issue: The legacy GFI for this panel sends the command "SP30" to the instrument when the button is depressed. ATS version of software sends the same code. However, the TS status command returns a 16, which denotes an invalid command and so failure is reported to the user. The laptop/dock legacy controller was connected and displays the same error. ATS has determined that the command should be "SPCL30". This change is required in the released SAIS panel source code. This panel needs some minor modifications to improve the operator experience as well.

Action Taken: (Robert.Giumarra) Software modifications committed to trunk @ revision 1657 and 1659

Implementation: (Robert.Giumarra)

Version: 2.0.0.0D

Date: Dec 6 2017 10:50AM

[Home](#)

Problem Report

Project: GPATS-CIC
Number: 57
Created: Nov 3 2017 10:29AM
State: Closed

Title: SYSMON FHDB DDI Issue

Problem: SYSMON is not launching the FHDB processor when and import or export operation is due.
 (Kyle.Darcangelis)

Analysis: The Timer Event where the FHDB DDI is checked is throwing and error when called.
 (Kyle.Darcangelis)

Action Taken: Software modifications committed to trunk @ revision 1658
 (Robert.Giumarra)

Implementation:
 (Robert.Giumarra)

Version: 2.0.0.0D
Date: Dec 6 2017 10:50AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 58**Created:** Nov 3 2017 11:37AM**State:** Closed**Title:** User account can add printer

Problem: Specification IA requirement for the operator account specifies that the user should not be able to add a printer. He can. This procedure is SW376.
(Robert.Giumarra)

Analysis: This must be corrected during the gold system build procedure using the group policy editor.
(Robert.Giumarra)

Action Taken: Added instruction to restrict this permission to revision 5 of the STrP.
(Robert.Giumarra) Further edit made to the revision 6 of STrP.

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 6:01PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 59

Submit

Prev.

Next

Created: Nov 6 2017 9:12AM**State:** Closed**Title:** TEST SAIS RFMEAS Panel General Useability Issues

Problem: The TETS RFMEAS SAIS Panel is exhibiting upredictable behavior when resetting the instrument, the signal is unlocked, or the operator select continuous measurement mode.
(Kyle.Darcangelis)

Analysis: Duplicate PCR. Please see GCIC-056
(Robert.Giumarra)

Action Taken: Duplicate PCR. Please see GCIC-056
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0C**Date:** Nov 13 2017 9:45AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 60

Submit

Prev.

Next

Created: Nov 6 2017 4:20PM**State:** Closed

Title: FHDB Export window has "\\"

Problem: When using the FHDB processor to export the database, the resulting window displays X:\\Export.zip. The double slash should be a single slash.
(Robert.Giumarra) However, the export process works correctly.

Analysis: This only occurs if the export device selected is external USB. If a directory is selected, the software needs to append a slash, however if the root directory of an external is desired, the appended "\\" is extraneous. Add code to check if the last char is already a "\" before adding another one in the main.vb file of the FHDB Processor project.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1661
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:51AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 61

Submit

Prev.

Next

Created: Nov 6 2017 4:26PM**State:** Closed

Title: FHDB manual comment entry results in wrong date recorded (sometimes)

Problem: When manually entering operator comments, the date recorded in the comment field is sometimes skewed. It was witnessed that on one system (Robert.Giumarra) the month and day were transposed, so that November 6th was recorded as June 11th

Analysis: There is a date format function call in the software that utilizes VB6 formatting rules that must be removed. There is no benefit to using that (Robert.Giumarra) format function

Action Taken: Software modifications committed to trunk @ revision 1660 (Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:51AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 62

Submit

Prev.

Next

Created: Nov 8 2017 11:38AM**State:** Closed

Title: ESR creation will populate FHDB with entries

Problem: Currently, the ESR will end up having a FHDB with entries from the original system used to create the build. As a final step prior to imaging, the developer should be instructed to copy in a blank FHDB file.

(Robert.Giumarra)

Analysis: We need copy in a blank FHDB as a final step of the Gold System Build. Also, a blank copy of the FHDB needs to be added to the COTS Installs media to make it available to the system builder

(Robert.Giumarra)

Action Taken: STrP revision 5 contains the updated Instructions. COTS Installs media released with v2.0.0.0C contains a blank FHDB for use during the system build

(Robert.Giumarra)

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:51AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 63**Created:** Nov 8 2017 12:03PM**State:** Closed

System Monitor Error/Warning messages

Title:**Problem:**

(Robert.Giumarra)

Per the sysetm specification, the error/warning messsages in system monitor should be updated as follows: 1. Message stating the PDU will shutdown with over 32VDC input 2. Message stating the PDU will shutdown with under 18VDC input 3. Message stating the PDU will shutdown with over 138VAC Single Phase input 4. Message stating the PDU will shutdown with under 102VAC Single Phase input 5. Message stating the PDU will shutdown with over 250VAC Three Phase input 6. Message stating the PDU will shutdown with under 180VAC Three Phase input

Analysis:

(Robert.Giumarra)

These message updates need to applied to the GetWarningErrorMessage() routine found in the system monitor project, Alarm_bas.vb file. See the case statement there and correct the message as follows: Case 1000: Apply #1 message above Case 1001: Apply #2 message above Case 1009: Apply #3 message above Case 1010: Apply #4 message above Case 1011: Apply #5 message above Case 1012: Apply #6 message above

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1662 and 1663

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0C**Date:** Dec 5 2017 5:14PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 64

Submit

Prev.

Next

Created: Nov 9 2017 8:48AM**State:** Closed**Title:** FHDB search exception**Problem:**

(Robert.Giumarra)

When using the search function of the FHDB processor, if you search for a value not in the database the software will correctly inform the user that the value is non-existent, but after clicking OK, the software will report an unhandled exception.

Analysis:

(Robert.Giumarra)

The software is attempting to manipulate the FHDB beyond its boundaries after a failed search in an attempt to re-initialize the state. To avoid this exception, when determining that the search has failed to find an appropriate record, close and re-open the database.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1669

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:52AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 65**Created:** Nov 9 2017 8:50AM**State:** Closed**ATE identifier****Title:****Problem:**

(Robert.Giumarra)

Legacy software utilized a field in the ini file to denote the ATE Type. This is placed into the system table of the FHDB when performing an export.

We have mistakenly deprecated that field from the ini file. This field needs to be re-added and the correct value needs to be set. The customer will inform us as to what those values are depending on the station configuration.

Analysis:

(Robert.Giumarra)

Add "ATE_TYPE=1" to the system startup field of the ini files

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1670

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:52AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 66**Created:** Nov 9 2017 8:51AM**State:** Closed

Title: FHDB files start at record 2

Problem: The record set of the Faults table in the FHDB database starts at entry #2.
(Robert.Giumarra) These table should start at entry #1.

Analysis: This is an autonumber field and cannot be directly written. Need to delete
(Robert.Giumarra) the repository FHDB.mdb and with a new database file.

Action Taken: Software modifications committed to trunk @ revision 1668
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:52AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 67**Created:** Nov 9 2017 8:53AM**State:** Closed**Title:** FGEN SAIS Panel DC Volts Query

Problem: The FGEN SAIS panel is sending an incorrect command to the instrument when querying amplitude in DC Volts mode.
(Kyle.Darcangelis)

Analysis: FGEN SAIS is using the wrong command to query amplitude for DC Volts. This needs to be corrected.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1667
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:53AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 68

Submit

Prev.

Next

Created: Nov 9 2017 8:54AM**State:** Closed**Title:** TSUPload Is Not Changing Ethernet Port Link Speed**Problem:** TSUplload is unable to change the ethernet port link speed to 10 MBPS
(Kyle.Darcangelis) Half duplex**Analysis:** Need to remove cmdlet installation and link creation from the installer and
(Robert.Giumarra) make part of the gold system build process. Also need to update the cmdlet
scripts to import the module names**Action Taken:** Software modifications committed to trunk @ revision 1666
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0D**Date:** Dec 5 2017 5:15PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 69

Submit

Prev.

Next

Created: Nov 9 2017 2:21PM**State:** Closed

Title: FHDB Processor Unhandled Exception when Exporting to CSV

Problem: The FHDB Processor throws an unhandled exception warning when exporting the database to a CSV file.
(Kyle.Darcangelis)

Analysis: The FHDB processor is throwing an exception when trying to convert fields that are NULL to CSV using the updated MDB file to begin the records at record 1. Need to use exception handling in these cases and change NULL to empty string prior to conversion.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1671 and 1672
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:53AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 70**Created:** Nov 10 2017 7:16AM**State:** Closed**Title:** **STest updates based on FAT testing****Problem:**

(Robert.Giumarra)

TIR#12 - TETS Self-test W24 Cable - During system self-test for TETS, the W24 cable connection is not clear. The picture needs to be updated to provide a clearer understanding of where to place the W24 cable. TIR#13 - TETS Self-test Power Sensor Serial Number - During system self-test for TETS, the serial number for the RF power sensor 8481A is incorrect. The CIC self-test for TETS needs to be modified to include the correct serial number. TIR#14 - TETS Self-test Missing "OK" Button - During system self-test for TETS, if you have a new RF power sensor, the user is prompt to enter in the serial number. However, the "OK" button is mostly off the screen and is very hard to click. It needs to be moved so that the user can see the entire button.

Analysis:

(Robert.Giumarra)

TIR #012(TETS) - Change 3 pictures for the Analog probe tests to show the W24 cable connected to the DMM HI/LO banana jacks. The old pictures on TETS were the same picture on ViperT which did not need a W24 cable. TIR#013 (TETS) - The RF power sensor test would prompt you to install a specific serial number for each power head (ie 8481A, and 8481D). The serial number shown for the 8481A was same number shown for the 8481D. TIR#014 (both ViperT and TETS) - If the RF power sensor test passed, where the last time it ran it had failed, the test would ask you if you have changed the power head sensors. If you answer yes, then a form would pop up to ask you for a new serial number, then a new cal date for the power heads. Both forms were cut off somewhat, so just enlarge the forms. Also, add a cancel button for entering a new serial number. The form for entering a new cal date had a cancel button, but the form for entering a new serial number only had an OK button. TIR#016 - During system self-test, the Stop On Failure (SOF) functionality does not work properly while testing the RF Synthesizer portion of self-test. The SOF should completely stop the self-test if an error occurs, whether that be user or system failure. However, it will continue to test even if SOF is chosen during the RF Synthesizer module. The issue here is that the user is not being prompted in this instance to ask if the issue was due to operator error.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1673, 1674, and 1675

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D

Date: Dec 6 2017 10:53AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 71

Submit

Prev.

Next

Created: Nov 10 2017 2:48PM**State:** Closed**Title:** **SYSMON Initial Setup Shutdown Time Stamp****Problem:** SYSMON does not write a Shutdown time stamp when completing the first time installation.
(Kyle.Darcangelis)**Analysis:** System Monitor software should initialize the shutdown timestamp in the INI file so that abnormal shutdown detection works when the system is run the first time.
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1677
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0D**Date:** Dec 6 2017 10:53AM

[Home](#)

Problem Report

Project: GPATS-CIC
Number: 72
Created: Nov 13 2017 2:06PM
State: Closed

VidTool SAIS Enhancements

Title:

Problem:

(Robert.Giumarra)

1. Within the VID Tool in the Power State Delay window, there is a countdown timer which is editable. The user is able to enter in any number/character into the timer. The timer needs to be made not editable. 2. Within the VID Tool soft front panel, requirement 1.0.2.3 has the user input a value into the "Requested Delta" box and select "Set Delta T". The VID tool crashes when the user enters in a "-" by itself with no other number/characters. 3. Within the VID Tool soft front panel, requirement 1.0.4.1 has the user input values into the "Amplitude" box. However, an exception error will be thrown if a decimal value is entered and if a "." by itself is entered. This will make the VID Tool crash. 4. Within the VID Tool soft front panel, requirement 1.0.3.5 has the user turn on the laser diode. The software will currently say that the laser diode is turned on no matter what. If the diode fails to turn on, there isn't an error message thrown and there is no indication that a failure occurred.

Analysis:

(Robert.Giumarra)

1. Need to make the text box used in the delay form "read only" 2. The minus sign is a valid character, so it is allowed, however the end value result is not verified as numeric prior to sending to the VEO2.dll. This needs to be validated. 3. The decimal is a valid character, so it is allowed, however the end value result is not verified as numeric prior to sending to the VEO2.dll. This needs to be validated. 4. Need to call the DLL to see if power is applied to the Diode when requested

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1679 and 1685

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D

Date: Dec 6 2017 11:58AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 73**Created:** Nov 13 2017 2:09PM**State:** Closed

View TPS Technical Manual error incorrect

Title:**Problem:**

(Robert.Giumarra)

When the "View TPS Technical Manual" button is clicked on the ATS Menu, if there is not a IETM located on the TPS disc, then an error is thrown. An error should be thrown, however, the message that is on the error popup box is incorrect. It is reporting the directory location of VXI_RESMAN which does not exist.

Analysis:

(Robert.Giumarra)

This happened because the APS disk was missing an INI file, so it didn't have the information required to correctly state the error message. This can be mitigated with a more generic message reported to the operator. Also there is a bug that creates an endless loop if using an XML IETM that when corrected will allow use of an XML IETM.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1683

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:54AM

[Home](#)

Problem Report

Project: GPATS-CIC
Number: 74
Created: Nov 13 2017 2:10PM
State: Closed

Title: EO SAIS Software power issue

Problem: When running the EO SAIS (specifically IR Windows or VID Tools), the SAIS will go to check the DCPS to see if they have been programmed by the user for the EO. However, it does not actually check to see if the relays are on/off...this can lead to a condition where the panel comes up and believes that the collimator has power, but it does not. To show this issue, perform the following: 1. Open Vidtool and apply power 2. Close Vidtool and leave power applied 3. Open DC Power SAIS and open relays (DO NOT RESET) 4. Open Vidtool and note that Vidtool believes power is applied to the collimator

Analysis: The VidTool software queries the power supplies voltages, but not the output relay states. This means that if the output relays are open and the power supplies are programmed to the correct EO operating voltages, then the software will determine that power is applied even though the output relays are not closed. To correct this behavior the software needs to verify that the output relays are closed in addition to the other checks in order to determine the EO power state. These same changes should be applied to the SAIS Manager software.

Action Taken: Software modifications committed to trunk @ revision 1679
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D

Date: Dec 6 2017 11:58AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 75**Created:** Nov 13 2017 2:20PM**State:** Closed**Title:** FG Internal Trigger

Problem: The test procedure 1.2.0.3 calls for the Internal Trigger of the Function Generator to be able to accommodate 15 micro second and 1ks. However, (Robert.Giumarra) the Function Generator soft front panel internal trigger will not accept 15 micro seconds.

Analysis: The limit is not being properly evaluated because of data type conversions. (Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1684 (Robert.Giumarra)

Implementation: (Robert.Giumarra)

Version: 2.0.0.0D

Date: Dec 6 2017 10:54AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 76

Submit

Prev.

Next

Created: Nov 13 2017 2:24PM**State:** Closed

Title: RF Counter Can't Get Out of Simulation Mode

Problem: The 1.0.2.0 test procedure states to select each listed button under Mode Control to ensure visible operation. When the simulation button is clicked, (Robert.Giumarra) it does check and function properly. However, the simulation button cannot be de-selected after it is originally clicked. The CIC software needs to be modified to fix this issue.

Analysis: The RF Counter is actually getting out of simulation mode, however the (Robert.Giumarra) check mark isn't being removed to reflect this.

Action Taken: Software modifications committed to trunk @ revision 1686 (Robert.Giumarra)

Implementation: (Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 5:58PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 77

Submit

Prev.

Next

Created: Nov 15 2017 9:08AM**State:** Closed**Title:** testcontroller.exe used with TATS fails to run

Problem: The TATS TPS program uses an program called testcontroller.exe, which fails to run.
(Robert.Giumarra)

Analysis: This program requires the TABCTL32.OCX and RICHTXT32.OCX. These are legacy vb6 files. They can be installed and registered during the gold system build to support this legacy program. This will require changes to the STrP and also the COTS Installs DVD.
(Robert.Giumarra)

Action Taken: This has been included as specified.
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:54AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 78

Submit

Prev.

Next

Created: Nov 30 2017 9:37AM**State:** Closed**Title:** Add Delay to SAIS toolbar 1553 handle release

Problem: There needs to be a short delay to release the 1553 handle to ensure that the CoPilot software can launch correctly.
(Robert.Giumarra)

Analysis: The SAIS toolbar needs to be updated to implement a short delay prior to launching the CoPilot software
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1688
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 10:54AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 79

Submit

Prev.

Next

Created: Nov 30 2017 10:09AM**State:** Closed**Title:** Wrapper correction for multiple measurements

Problem: There is a correction required to the scope wrapper to allow for multiple measurement characteristics to be returned when performing a single measurement
(Robert.Giumarra)

Analysis: The scope wrapper is resetting the trigger to an invalid value in this instance. This code needs to be removed. Also, there is a time comparison that is missing a conversion to milliseconds.
(Robert.Giumarra)

Action Taken: Software modifications committed to trunk @ revision 1687
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 7 2017 11:23AM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 80

Submit

Prev.

Next

Created: Dec 5 2017 9:29AM**State:** Closed**Title:** ETMNAM correction to allow for zoomview

Problem: ETMNAM does not correctly process the zoomview commands. The ATLAS command PERFORM, 'ETM'(C'AlignSet1.pic', C'ZOOM', C'RESUME', C'UR') Does not correctly position the graphic file as specified in the CPM.

Analysis: ETM is not correctly creating the command line. The command line should look like this: "C://zoomview.exe" 'C://*.pic' -UL where *.pic represents the pic file created using the IADS software. This correction will work when using 3.2.7 version of IADS. However, this does not seem to work with 3.4.25.

Action Taken: Software modifications committed to trunk @ revision 1689
(Robert.Giumarra)

Implementation:
(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 5:57PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 82

Submit

Prev.

Next

Created: Dec 6 2017 9:41AM**State:** Closed**Title:** Exception when creating UDD on TETS**Problem:** An exception was reported when creating UDD on TETS
(Robert.Giumarra)**Analysis:** The UDD wizard does not allow use of serial numbers less than 1000. We must correct the range allowed for serial numbers
(Robert.Giumarra)**Action Taken:** Software modifications committed to trunk @ revision 1691 and 1692
(Robert.Giumarra)**Implementation:**
(Robert.Giumarra)**Version:** 2.0.0.0D**Date:** Dec 6 2017 6:01PM

[Home](#)

Problem Report

Project: GPATS-CIC**Number:** 83**Created:** Dec 6 2017 10:41AM**State:** Closed

UDD Restore overwrites SWR data

Title:**Problem:**

(Robert.Giumarra)

Software revision data is being overwritten by the UDD restore process.

This is not desirable.

Analysis:

(Robert.Giumarra)

We need to grab the SWR field from the ATS.ini file and save it, then re-write this data to that field after the UDD restoration process completes. Also, we should remove the comment field from the INI file that mentions the revision of the software release. This comment is not necessary and will add confusion or further needless processing.

Action Taken:

(Robert.Giumarra)

Software modifications committed to trunk @ revision 1693 and 1694

Implementation:

(Robert.Giumarra)

Version: 2.0.0.0D**Date:** Dec 6 2017 6:02PM