SCS Scientific Computing System
NOAA Office Of Marine and Aviation Operations

Software Engineering Division

Marine and Aviation Cyber Center

Release Notes for SCS 5.0.53

Release Date: MAY 13, 2022

More about SCS: https://scsshore.noaa.gov

Related Documents: SCS User Manual

- View HTML Online - https://scsshore.noaa.gov/help
- Download a PDF - https://scsshore.noaa.gov/Home/Downloads

New Features/ Improvements/Fixed Issues

Installer

- Modify SCS and installer to use IIS Express for Windows 10 - The SignalR connection limit when running full IIS in Windows 10 caused problems. IIS Express in Windows 10 does not have these limits. Modify the installer to install IIS Express for Windows 10 installations.
A new service created to keep the IIS Express alive on the machine. All other SCS services have been modified to be dependent upon this service like they are dependent upon standard W3SVC currently with full IIS.

Events

- Improvement - The downloaded event data zip file name now includes template name and start timestamp. (7400)
- New Feature – Add ability to show or hide and enable or disable Buttons (Manual Triggers). (7397)
- Fixed the little icon bug with Outputs in the event builder - after copying and changing the output mode from continuous to discrete, little icon remains no change. (7391)
- Fixed – The maximum limit of Manual Meta item Integer was ignored via Meta item increment action and/or auto-increment checkbox. (7394)

CFE

- Physical Device – Added a new Gyrocompass model for Meridian Standard. (6685)
- Add a checkbox onto the *Advanced* tab of a Data Field in CFE to exclude or include usage for SAMOS. Only display or enable the checkbox if data field category has a SAMOS designator. (7124)
- Improve readability of custom equations in CFE and QAQC. (7369)
- Feature - the 'View Display Name' checkbox is sticky, no longer default to display the system names. (7381)
- Feature – Add feature to allow user ignore validation warnings with a time range. (7379)
- Fixed – Auto Detect tried to write messages longer than the length defined in message table. (7555)
- Make sure manual devices don't flag the "physical device missing" validation warning. (7376)
- Fixed – Error while coping derived device and saving in CFE. (7542)
- Fixed – Free com ports missing from the auto-detect drop down list (7536)
- Fixed - SAMOS validation issue with disabling parent objects. (7711)
- Fixed – Auto Detect service blocked com port(s) used as output ports in custom message templates. (7545)
- Fixed – Deleted a disabled sensor interface cause the wrong validation errors to the SAMOS item. (7972)

ACQ

- Logging status improved. (3782)

Widgets, Layouts & Widget Groups

- New Feature – Chart Widget: User can set minimum and maximum range to the Y-axis. (7113)
- Fixed the misaligned input positions and the border width/height for gauges in the widget groups. (7112)
- Real Time Display – All observations show values and strings in the original format. (7104)
- Real Time Display – Fixed the naming issue when adding an RTD via Quick View, it should use the system name not the display name. (7548)

Quality Assurance / Quality Control (QA/QC)

- Ensure QAQC and ACQ establish communication at startup. (7166, 7685)
- Fixed issue with time source chart on the monitor. (7352)
- Improve QAQC performance for high-frequency data. (7048)
- Monitor - Select Custom Time Constraint, returned no data. (7691)
- Fixed - Transition counts in the Monitor details pages can become inconsistent. (7222)
- Fixed – Inconsistent status and error number counts shown in both the primary grid procedures and detailed panels. (6717)

Referenced Data Source

- Improved - The users directly set the Reference Data Source failover order at the Data Field level via Data Field Category, no longer physical devices (6833)

Post-time Series Plot

- Fixed the display issues - The plotting took up whole screen on smaller monitors and blocked menu items at the top and the bottom (7326, 7401, and 7402).

Data Extraction & Submission

- Fixed - Fixed the empty outputs and timeout issues. (7520 & 7755)
- Fixed - Now the SAMOS package will contains all of the device configurations covered by the date ranges. (7814)

Others

- Fixed - Vessel Profiles Ship dimension units changed to use meters no longer Ft. (7608)
- Fixed - The Control characters inserted to the custom message templates, all were missing after saving the templates. (7543)
- Fixed – NPAD custom message template were invisible to any user roles, now the administrator can view it. (7681)
- SCS User Manual - SCS PDF and Microsoft Help output filenames not in line with the hardcoded 'download' name. (7294)