SunGuide®:

Software Integration Case Procedures

SunGuide-SICP-8.2

Prepared for:

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July 18, 2022

Document Control Panel			
File Name:	SunGuide-SICP-8.2		
File Location:	SunGuide CM Repository		
Name		**Initial**	**Date**
Created By:	Tucker Brown, SwRI	TJB	07/13/22
Reviewed By:			
Modified By:			
Completed By:			

Table of Contents

List of Acronyms

AVL .....Automatic Vehicle Location
BMS .....Beacon Management Subsystem
C2C .....Center to Center
CCTV.....Closed Circuit Television
CF.....Configuration File
CAN .....Contact Notification Application
DMS.....Dynamic Message Sign
EH .....Executive Handler
EM.....Event Management
FAT .....Factory Acceptance Test
FDOT .....Florida Department of Transportation
GUI .....Graphical User Interface
IC.....Integration Case
ICD.....Interface Control Document
IDS .....Incident Detection Subsystem
IN .....Installer
ITN.....Invitation to Negotiate
ITS.....Intelligent Transportation Systems
MLS .....Managed Lanes Subsystem
NTCIP .....Nation Transportation Communication for ITS Protocol
ONVIF .....Open Network Video Interface Forum
RISC.....Rapid Incident Scene Clearance
RWIS.....Roadside Weather Information Sensor
SAA.....Software Administration Application
SAS .....Scheduled Action Subsystem
SE.....Small Enhancements
SICP .....Software Integration Case Procedures
SIP.....Software Integration Plan
SPARR.....Smartphone Application for Road Rangers
SQL .....Structured Query Language
SRS .....Software Requirements Specification
SwRI .....Southwest Research Institute
TCP .....Transmission Control Protocol
TCS .....Traffic Control Subsystem
TMC.....Transportation Management Center
TPS.....Truck Parking Subsystem
TSS.....Traffic Sensor Subsystem
TVT.....Travel Times Subsystem
WWD .....Wrong Way Driving

REVISION HISTORY

Revision	Date	Changes
8.2	July 13, 2022	Initial release for Release 8.2 functionality

1. Scope

1.1 Document Identification

This document serves as the Software Integration Case Procedures (SICP) for Release 8.2 of the SunGuide® software. This version is implementing:

- SG-3926 - Assign CCTV to DMS and provide shortcut in DMS dialog
- SG-4891 - Rewrite the CCTV NTCIP driver in C#
- SG-5143 - Make Chronology report be able to be generated entirely or only in sections of interest.
- SG-5456 - "TMC Notified" for all notified times regardless of whether notified box is checked
- SG-5557 - Ability to Set WWD Sites to Maintenance Mode via SG
- SG-5706 - Add timestamp in SunGuide incident when Executive Notification Emails are sent
- SG-5806 - Adding multiple activities to a responder at one time instead of only one at a time.
- SG-5810 - Copy a SAS Plan
- SG-5875 - Issue 564 Phase 2 Ceased Use Implementation
- SG-6015 - TPAS prompt for verifying available spaces for CO reporting
- SG-6120 - Allow saving configuration of items without errors despite errors in other items of the same type.
- SG-6142 - Add a "Submit Crash Report" option for Operator Map Failures

The SICP contains the detail test procedures for conducting Factory Integration Testing (FAT).

1.2 Project Overview

The Florida Department of Transportation (FDOT) is conducting a program that is developing SunGuide software. The SunGuide software is a set of Intelligent Transportation System (ITS) software that allows the control of roadway devices as well as information exchange across a variety of transportation agencies. The goal of the SunGuide software is to have a common software base that can be deployed throughout the state of Florida. The SunGuide software development effort is based on ITS software available from the state of Texas; significant customization of the software is being performed as well as the development of new software modules. The following figure provides a graphical view of the software to be developed:

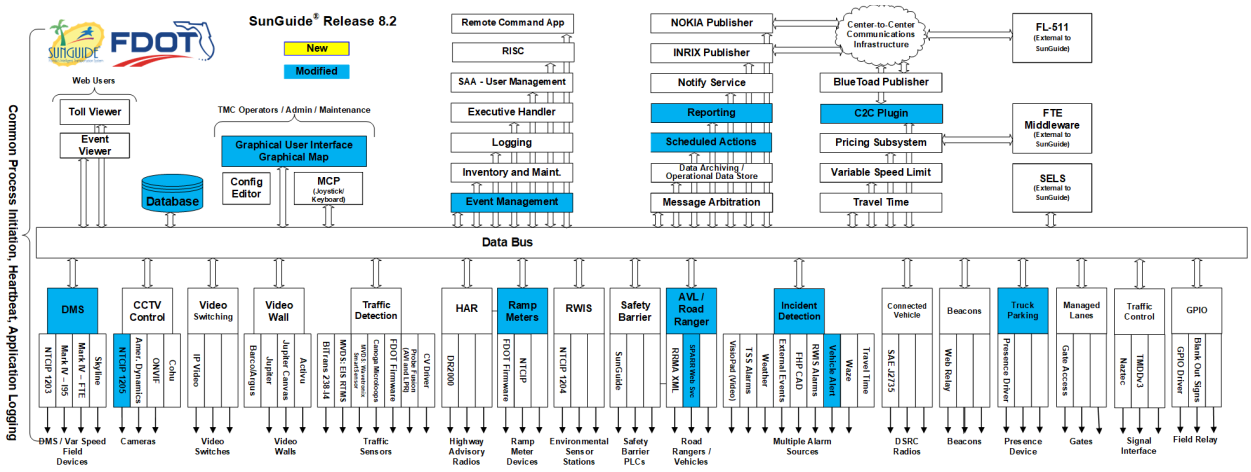

Figure 1-1 - High-Level Architectural Concept

1.3 Related Documents

Additional information regarding the SunGuide project can be found in the following documents and electronic publications:

- FDOT Scope of Services: *BE492, Standard Written Agreement for SunGuide Software Support, Maintenance, and Development, Exhibit A: Scope of Services.* December 14, 2017.
- Notice to Proceed: Letter to Southwest Research Institute® (SwRI®) for BE492, December 14, 2017
- Letter of Authorization 010: Letter to SwRI for BE492, February 16, 2021.
- SunGuide Project website: http://sunguide.datasys.swri.edu.

1.4 Contacts

The following are contact persons for the SunGuide software project:

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For current contact information please refer to this link: http://sunguidesoftware.com/contact-us

2. Integration Cases

The requirements contained in the following sections were extracted from the Software Requirements Specification (SRS).

The following integration cases have been created for the purposes of acceptance testing. The test cases are organized by the integration cases. Additionally, each test case is given both a descriptive name and test case number. The test case number has a prefix which denotes which SunGuide subsystem is being tested. The integration cases and test case prefixes are listed below:

- IC-1: SG-5143 - Make Chronology report be able to be generated entirely or only in sections of interest.
- IC-2: SG-5456 - "TMC Notified" for all notified times regardless of whether notified box is checked
- IC-3: SG-5557 - Ability to Set WWD Sites to Maintenance Mode via SG
- IC-4: SG-5706 - Add timestamp in SunGuide incident when Executive Notification Emails are sent
- IC-5: SG-4891 - Rewrite the CCTV NTCIP driver in C#
- IC-6: SG-3926 - Assign CCTV to DMS and provide shortcut in DMS dialog
- IC-7: SG-5875 - Issue 564 Phase 2 Ceased Use Implementation
- IC-8: SG-6015 - TPAS prompt for verifying available spaces for CO reporting
- IC-9: SG-5810 - Copy a SAS Plan
- IC-10: SG-5806 - Adding multiple activities to a responder at one time instead of only one at a time.
- IC-11: SG-6142 - Add a "Submit Crash Report" option for Operator Map Failures
- IC-12: SG-6120 - Allow saving configuration of items without errors despite errors in other items of the same type.
- IC-13: JIRA issues

2.1.1 Test Case Organization

Each test case consists of

- A statement describing the test case
- The requirements to be tested by the test case
- Preconditions which must be satisfied prior to running the test
- The test procedure itself in table format with space for marking pass / fail

2.1.2 SunGuide System Installation

The test cases are intended to be to be performed and demonstrated on a SunGuide system at the SwRI development laboratory. This section describes the minimal configuration that is utilized for these integration cases. Individual Test Procedures which have additional equipment requirements or conditions which must be met before running the test procedure have been noted within the description of the *Test Procedure*.

2.1.3 Equipment Needed

The tests described within this document are written with the assumption that the described testing will occur in SwRI ITS testing facilities. The following sections further describe the hardware and software that are necessary for the testing.

2.1.4 Hardware Preparation

These test procedures are designed to be generic for any SunGuide testing activity. The tests that will be performed at SwRI during the Factory Acceptance Test (FAT) will utilize the Operator Map, XML Test Client, hardware devices such as cameras and DMSs, and various simulators to feed data into SunGuide. The figure below provides a high-level overview of the software/hardware that will be used to perform the Release 8.2 testing. All testing will be completed against a SunGuide server with a SQL Server database. Note that each integration case uses the same hardware setup so this diagram is not duplicated at the beginning of each test case.

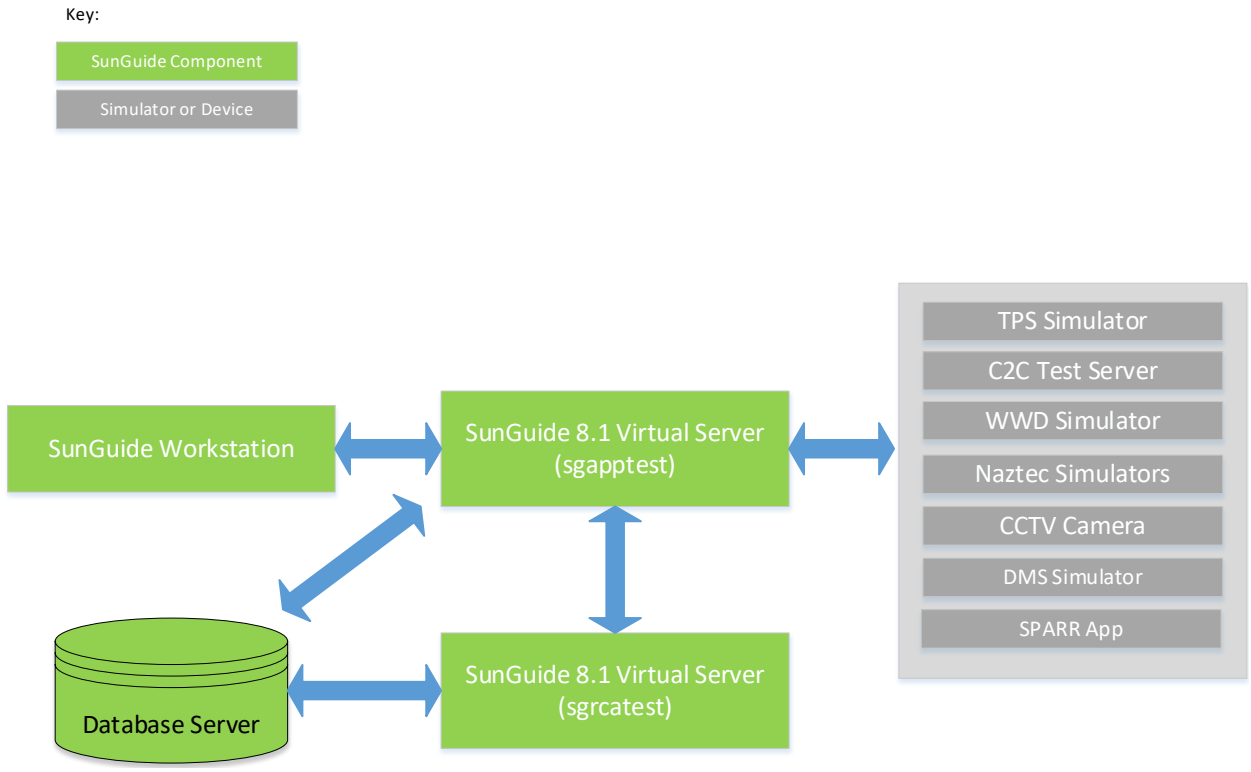

Figure 2-1: Hardware/Software Testing Environment

2.1.5 Software Preparation

Software needs to be installed as shown in the following table. The SunGuide software installation makes use of two configuration files, one for the non-Internet Information Service (IIS) applications, and one for the IIS applications[1].

[1] This is due to the inability of the IIS applications (administrative subsystem) to access files outside the IIS directory structure.

Software Installation	SunGuide Application Servers	SunGuide Database Server	Workstation
Minimum of Windows 2016 Server with current service packs and hot fixes	✓	✓	
IIS	✓		
SQL Server		✓	
SunGuide Software	✓		
Windows 10 or higher			✓
SQL Server Management Studio		✓	
Status Logger (SL) Viewer	✓		
Executive Handler Viewer	✓		
DMS Simulator	✓		
C2C Test Server	✓		
Naztec Simulator	✓		
TPS Simulator	✓		
WWD Simulator	✓		

2.1.6 Record Keeping

Each test step within this test procedure includes a space to note whether a specific test step passed or failed. This shall be maintained in both hardcopy and softcopy form. The hardcopy will be signed by witnesses from FDOT and SwRI respectively. Witnesses will note the start time and stop time for each test.

3. *IC-1: SG-5143 Make Chronology report be able to be generated entirely or only in sections of interest.*

3.1 Objectives

The objective of this integration case is to test the requirements associated with filtering chronology entries in the event chronology filter.

3.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-823	The software will have a reporting filter containing a list of all event chronology types known to the system at the last restart of Event Management.
SRT-824	The software will allow a user to choose a whitelist or a blacklist for use when using the event chronology types filter.
SRT-825	The software will update the Event Chronology report to filter chronology entries by the chronology type filter.
SRT-826	If a whitelist is chosen, only event chronology types matching the selected types will be shown in the event chronology portion of the report.
SRT-827	If a blacklist is chosen, only event chronology types NOT matching the selected types will be shown in the event chronology portion of the report.
SRT-828	The software will allow users to return all parameters to their default selection state.

3.3 Test Approach

These tests will accomplish validating the addition of event chronology filters to the generation of an event chronology report.

3.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- CNA
- EM
- RS

Configured Devices

- N/A

Other Prerequisite Conditions

- The event chronology report should be configured.
- Create or identify an event and available chronology types.

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-823	Open the reports dialog and select the Event Chronology report. Observe the available chronology types for filtering. Run the following query against the database: `SELECT DISTINCT CHRONOTYPE FROM FDOT_OWN.EM_EVENT_CHRONO` Compare the results of the query with the chronology types available in the reports dialog.	The software has a reporting filter containing a list of all event chronology types known to the system **at the last restart of Event Management**. The list of available chronology types in the reports dialog matches the list of available types from the database query.	☐	☐
2	SRT-824 SRT-825 SRT-826	From the reports dialog, select the event chronology report if not already selected. Set the event ID as the filter for the "From Event" parameter from the event list. Select one or more chronology types from the list that are present in the event's chronology. Select the “Include” radio button. Run the report.	The software allows a user to choose a whitelist for use when using the event chronology types filter. The Event Chronology filters chronology entries by the chronology type filter. If a whitelist is chosen, only event chronology types matching the selected types are shown in the event	☐	☐

			chronology portion of the report.		
3	SRT-824 SRT-825 SRT-827	From the reports dialog, select the event chronology report if not already selected. Set the event ID as the filter for the "From Event" parameter. Select one or more chronology types from the list that are present in the event's chronology. Select the “Exclude” radio button. Run the report.	The software allows a user to choose a blacklist for use when using the event chronology types filter. The Event Chronology filters chronology entries by the chronology type filter. If a blacklist is chosen, only event chronology types NOT matching the selected types are shown in the event chronology portion of the report.	☐	☐
4	SRT-828	From the reports dialog, select the event chronology report. Set or select non-default values for all available report parameters. Click the button in the ribbon to reset all parameters to the defaults. Observe the set or selected values for all available report parameters.	The software will allow users to return all parameters to their default selection state.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

4. IC-2: SG-5456 "TMC Notified" for all notified times regardless of whether notified box is checked

4.1 Objectives

The objective of this integration case is to test the requirements associated with chronology entries related to notification of, or to, responding agencies.

4.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-815	When the "Notified by TMC?" checkbox in the Responders section of the Event Details dialog is checked, and the Notified time for a Responder is changed, the software will add an Event Chronology entry indicating the TMC Notified the Agency with a unique Chronology Type.
SRT-816	When the "Notified by TMC?" checkbox in the Responders section of the Event Details dialog is not checked, and the Notified time for a Responder is changed, the software will add an Event Chronology entry indicating the Agency Notified the TMC with a unique Chronology Type.

4.3 Test Approach

These tests will accomplish validating the addition of clearer event chronology entries depending on the state of the TMC notified check box.

4.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- CNA
- EM

Configured Devices

- N/A

Other Prerequisite Conditions

- N/A

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-815	Create a new event. In the Responders section of the Event Details dialog, check the "Notified by TMC" check box for a responder agency. Update or set the notified time for the responder using the "Notified" button. Save the event.	When the "Notified by TMC?" checkbox in the Responders section of the Event Details dialog is checked, and the Notified time for a Responder is changed, the software adds an Event Chronology entry indicating the TMC Notified the Agency with a unique Chronology Type.	☐	☐
2	SRT-816	In the Responders section of the Event Details dialog, update or set the notified time for a responder that does not have the "Notified by TMC" check box checked using the "Notified" button. Save the event.	When the "Notified by TMC?" checkbox in the Responders section of the Event Details dialog is not checked, and the Notified time for a Responder is changed, the software adds an Event Chronology entry indicating the Agency Notified the TMC with a unique Chronology Type.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

5. IC-3: SG-5557 Ability to Set WWD Sites to Maintenance Mode via SG

5.1 Objectives

The objective of this integration case is to test the requirements associated with disabling alerts for vehicle alert devices placed in maintenance mode.

5.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-858	The software will have an option to set a vehicle alert device to maintenance mode.
SRT-859	If the device is in maintenance mode, the time the device is supposed to come out of maintenance mode will be displayed to the user.
SRT-860	When a device is in maintenance mode, the device will continue to be polled by the software.
SRT-861	When the device is in maintenance mode, any alerts from the device will be logged, but immediately resolved by the system.
SRT-862	When a device is placed in maintenance mode, the software will allow the user to set a duration in either hours or the date and time to set the device out of maintenance mode.
SRT-863	When the duration of maintenance mode expires, users with permission will receive a popup to either change the device out of maintenance mode or give a new duration for how long the device should remain in maintenance mode.
SRT-864	When a device is in maintenance mode, the icon for the device will visually indicate the device is in maintenance mode.

5.3 Test Approach

These tests will show the functionality of the maintenance mode state of vehicle alert devices.

5.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- CNA
- EM
- IDS

- IDS Vehicle Alert Driver

Configured Devices

- A simulated vehicle alert device.

Other Prerequisite Conditions

- In the SunGuide config file, specify the `maintenanceModeNotificationTime` as three minutes.
- The vehicle alert device should have an Active op status.
- Query for use in Test #6:
  - `SELECT TOP 5 * FROM FDOT_OWN.IDS_INCIDENT_ALARM JOIN FDOT_OWN.IDS_VEHICLE_ALERT_DATA ON IDS_INCIDENT_ALARM.REF_ID = IDS_VEHICLE_ALERT_DATA.INCIDENT_ALARM_ID ORDER BY DETECTED_TIMESTAMP DESC;`

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-858 SRT-862	Open the Vehicle Alert Device Status dialog. Select the simulated vehicle alert device. Click the ribbon button to place the device in maintenance mode. Observe the popup displayed to the user.	The software has an option to set a vehicle alert device to maintenance mode. When a device is placed in maintenance mode, the software allows the user to set a duration in either hours or the date and time to set the device out of maintenance mode.	☐	☐
2	SRT-858 SRT-859 SRT-860 SRT-864	Select the option to place the vehicle alert device in maintenance mode until a specific date and time. Set the date and time for five minutes in the future. Put the device in maintenance mode. Observe the vehicle alert device status in the dialog and	The software has an option to set a vehicle alert device to maintenance mode. If the device is in maintenance mode, the time the device is supposed to come out of maintenance mode is displayed to the user.	☐	☐

		the vehicle alert device icon on the map.	When a device is in maintenance mode, the device is polled by the software. When a device is in maintenance mode, the icon for the device visually indicates the device is in maintenance mode.		
3	SRT-859 SRT-860 SRT-862 SRT-863 SRT-864	Wait for two minutes. When the popup notifies the user that the maintenance mode interval is about to expire, set the maintenance mode to end at a specific date and time five minutes in the future. Observe the vehicle alert device status in the dialog and the vehicle alert device icon on the map.	If the device is in maintenance mode, the time the device is supposed to come out of maintenance mode is displayed to the user. When a device is in maintenance mode, the device is polled by the software. When a device is placed in maintenance mode, the software allows the user to set a duration in either hours or the date and time to set the device out of maintenance mode. When the duration of maintenance mode expires, users with permission receive a popup to either change the device out of maintenance mode or give a new duration for how long the device should remain in maintenance mode. When a device is in maintenance mode, the icon for the device visually indicates the device is in maintenance mode.	☐	☐
4	SRT-859 SRT-863 SRT-864	Wait for two minutes. When the popup notifies the user that the maintenance mode interval is about to	If the device is in no longer in maintenance mode, the time the device is supposed to come out of maintenance mode is not displayed to the user.	☐	☐

		expire, select the option to immediately end the maintenance mode. Observe the vehicle alert device status in the dialog and the vehicle alert device icon on the map.	When the duration of maintenance mode expires, users with permission receive a popup to either change the device out of maintenance mode or give a new duration for how long the device should remain in maintenance mode. When a device is no longer in maintenance mode, the icon for the device no longer visually indicates the device is in maintenance mode.		
5	SRT-858 SRT-859 SRT-860 SRT-862 SRT-864	From the Vehicle Alert Device Status dialog, select the simulated vehicle alert device. Click the ribbon button to place the device in maintenance mode. Select the option to put the device in maintenance mode for a duration in hours. Set the duration to be half an hour. Observe the vehicle alert device status in the dialog and the vehicle alert device icon on the map.	The software has an option to set a vehicle alert device to maintenance mode. If the device is in maintenance mode, the time the device is supposed to come out of maintenance mode is displayed to the user. When a device is in maintenance mode, the device is polled by the software. When a device is placed in maintenance mode, the software allows the user to set a duration in either hours or the date and time to set the device out of maintenance mode. When a device is in maintenance mode, the icon for the device visually indicates the device is in maintenance mode.	☐	☐
6	SRT-861	Open the Vehicle Alerts dialog and observe the list of alarms. Trigger an alert for the device.	When the device is in maintenance mode, any alerts from the device are logged, but immediately resolved by the system.	☐	☐

		Review the list of alarms in the Vehicle Alerts dialog. Run query from the Prerequisite Conditions for test #6 against the database:			
7	SRT-859 SRT-862 SRT-863 SRT-864	Wait until the popup notifies the user that the maintenance mode interval is about to expire. Perform no action. Wait for an additional three minutes. Observe the vehicle alert device status in the dialog and the vehicle alert device icon on the map.	If the device is in no longer in maintenance mode, the time the device is supposed to come out of maintenance mode is displayed to the user. When a device is placed in maintenance mode, the software allows the user to set a duration in either hours or the date and time to set the device out of maintenance mode. When the duration of maintenance mode expires, users with permission receive a popup to either change the device out of maintenance mode or give a new duration for how long the device should remain in maintenance mode. When the device is no longer in maintenance mode, the icon for the device no longer visually indicates the device is in maintenance mode.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

6. *IC-4: SG-5706 Add timestamp in SunGuide incident when Executive Notification Emails are sent*

6.1 Objectives

Test the requirements associated with adding a chronology record when an executive notification is sent.

6.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-857	When an operator sends an Executive Notification, the software will log an Event Chronology message indicating an Executive Notification was sent and the user who sent the message.

6.3 Test Approach

The enhancement will be tested by sending Executive Notification and examining the chronology.

6.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated
test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- CNA
- EM

Configured Devices

- N/A

Other Prerequisite Conditions

- Ensure the following SunGuide config file settings for Executive Notification are set:
- The notificationInterval is set to 2 minutes
- The fullClosureInterval is set to 2 minutes
- The reviewGroup is set to to allUsers
- The emailList should be set to the emailAddress of the user performing the test
- The SunGuide config file should have a valid SMTP server configured for this test

- If changes were made to the config file, restart EM before testing

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-857	Create a new crash event. Block all lanes. Wait 2 minutes. When the Executive Notification popup appears, immediately send the notification. Review the chronology of the associated event.	When an operator sends an Executive Notification, the software logs an Event Chronology message indicating an Executive Notification was sent and notes the user who sent the message.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

7. IC-5: SG-4891 Rewrite the CCTV NTCIP driver in C#

7.1 Objectives

The objective of this integration case is to test the requirements associated with testing the new C# NTCIP CCTV driver.

7.2 Requirements to be tested

This enhancement does not add any new requirements to the system

7.3 Test Approach

These test will test the functionality of the CCTV NTCIP driver.

7.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- CCTV
    - CCTV NTCIP Driver

Configured Devices

- N/A

Other Prerequisite Conditions

- N/A

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1		Configure a new CCTV camera for use with the NTCIP driver and save. Modify the CCTV camera config to add the video stream configuration.	A camera can be configured for use with the NTCIP driver. A camera configuration for the NTCIP driver can be modified.	☐	☐

2		Open a Video on Desktop dialog for the camera and its stream. Open the Camera Control dialog for the camera. Change the op status of the camera to "Active".	The camera op status can be changed.	☐	☐
3		From the Camera Control dialog, nudge tilt the camera up. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving slightly up.	☐	☐
4		From the Camera Control dialog, nudge tilt the camera down. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving slightly down.	☐	☐
5		From the Camera Control dialog, nudge pan the camera left. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving slightly left.	☐	☐
6		From the Camera Control dialog, nudge pan the camera right. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving slightly right.	☐	☐
7		From the Camera Control dialog, continuously tilt the camera down. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving downwards until the tilt limit is reached or tilt operation is stopped.	☐	☐
8		From the Camera Control dialog, continuously tilt the camera up. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving upwards until the tilt limit is reached or tilt operation is stopped.	☐	☐
9		From the Camera Control dialog, continuously pan the camera left. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera moving left until the pan limit is reached or pan operation is stopped.	☐	☐
10		From the Camera Control dialog, continuously pan the camera right. Observe the	The video stream shows the camera moving right until the pan limit	☐	☐

		camera stream in the Video on Desktop dialog.	is reached or pan operation is stopped.		
11		From the Camera Control dialog, continuously zoom the camera in. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera zoom moving in until the zoom limit is reached or zoom operation is stopped.	☐	☐
12		From the Camera Control dialog, continuously zoom the camera out. Observe the camera stream in the Video on Desktop dialog.	The video stream shows the camera zoom moving out until the zoom limit is reached or zoom operation is stopped.	☐	☐
13		From the Camera Control dialog, continuously focus the camera near. Observe the camera stream in the Video on Desktop dialog.	The camera auto-focus state automatically changes to manual. The camera focus is changed to focus near until the focus limit is reached or focus operation is stopped.	☐	☐
14		From the Camera Control dialog, continuously focus the camera far. Observe the camera stream in the Video on Desktop dialog.	The camera focus is changed to focus far until the focus limit is reached or focus operation is stopped.	☐	☐
15		From the Camera Control dialog, turn on auto focus. Observe the camera stream in the Video on Desktop dialog.	The camera's auto focus is enabled.	☐	☐
16		From the Camera Control dialog, turn off auto focus and change the camera zoom. Observe the camera stream in the Video on Desktop dialog.	The camera's auto focus is disabled. The camera's focus does not adjust automatically.	☐	☐
17		From the Camera Control dialog, continuously open the camera iris. Observe the camera stream in the Video on Desktop dialog.	The camera auto-iris state automatically changes to manual. The camera iris is changed to open until the iris limit is reached	☐	☐

			or iris operation is stopped.		
18		From the Camera Control dialog, continuously close the camera iris. Observe the camera stream in the Video on Desktop dialog.	The camera iris is changed to close until the iris limit is reached or iris operation is stopped.	☐	☐
19		From the Camera Control dialog, turn on auto iris. Observe the camera stream in the Video on Desktop dialog.	The camera's auto iris is enabled.	☐	☐
20		From the Camera Control dialog, turn off auto iris. Observe the change in status in the User Interface. If possible, change the amount of light available to the camera. Observe the camera stream in the Video on Desktop dialog.	The camera's auto iris is disabled. This may not be testable with the conditions of the camera without getting into the cameras settings to view the current status. The camera's iris does not adjust automatically.	☐	☐
21		From the Camera Control dialog, store a new preset for the camera. Move the camera pan, tilt, and zoom. Load the newly saved preset.	The preset position is stored within the camera. The camera is able to move to the preset position.	☐	☐
22		Delete the preset saved in the previous step.	The preset position is deleted from the camera.	☐	☐
23		Switch to the Advanced tab within the Camera Control dialog. Open the camera menu. Navigate the camera menu using the up, down, right, left, select, page up, page down, and value up, value down buttons.	If the camera supports the camera menu functionality, the camera menu is able to navigated using the provided buttons. This functionality does not appear to be	☐	☐

			supported by the TERL Camera.		
24		From the Advanced tab within the Camera Control dialog, select the "Clear Alarm Latch" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the alarm latch is cleared.	☐	☐
25		From the Advanced tab within the Camera Control dialog, select the "Clear Input Latch" option from the Detailed Data option. Select one or more inputs to clear. Click the button to retrieve the details.	If the camera supports the operation, the selected inputs are cleared.	☐	☐
26		From the Advanced tab within the Camera Control dialog, select the "Set Camera Label Location Index" option from the Detailed Data option. Enter an index within the specified range. Click the button to retrieve the details.	If the camera supports the operation, the label at the selected index is displayed on the camera stream.	☐	☐
27		From the Advanced tab within the Camera Control dialog, select the "Display Camera Labels" option from the Detailed Data option. Set the label state to "Displayed". Click the button to retrieve the details. Set the label state to "Not Displayed". Click the button to retrieve the details.	If the camera supports the operation, the label is displayed on the camera stream. If the camera supports the operation, the label is no longer displayed on the camera stream. Not supported on the TERL Camera. “General Error”	☐	☐
28		From the Advanced tab within the Camera Control dialog, select the "Retrieve Absolute Position" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the absolute positions are retrieved.	☐	☐
29		From the Advanced tab within the Camera Control dialog,	If the camera supports the operation, the	☐	☐

		select the "Retrieve Alarm Label Index" option from the Detailed Data option. Click the button to retrieve the details.	alarm label index is retrieved. Not supported on the TERL Camera. "There is no camera control label table"		
30		From the Advanced tab within the Camera Control dialog, select the "Retrieve Alarm Latch Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the alarm latch status is retrieved. Not supported on the TERL Camera. "There is no camera alarm latch"	☐	☐
31		From the Advanced tab within the Camera Control dialog, select the "Retrieve Alarm Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the alarm status is retrieved. Not supported on the TERL Camera. "There is no camera alarm"	☐	☐
32		From the Advanced tab within the Camera Control dialog, select the "Retrieve Camera Equipment Availability" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the camera equipment availability is retrieved.	☐	☐
33		From the Advanced tab within the Camera Control dialog, select the "Retrieve Camera Feature Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the camera feature status is retrieved.	☐	☐
34		From the Advanced tab within the Camera Control dialog, select the "Retrieve Current Camera Labels" option from	If the camera supports the operation, the current camera labels are retrieved.	☐	☐

		the Detailed Data option. Click the button to retrieve the details.	Not supported on the TERL Camera. "Received an SNMP NoSuchName"		
35		From the Advanced tab within the Camera Control dialog, select the "Retrieve Input Label Index" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the input label index is retrieved. Not supported on the TERL Camera. "There is no camera control label table"	☐	☐
36		From the Advanced tab within the Camera Control dialog, select the "Retrieve Input Latch Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the input latch status is retrieved. Not supported on the TERL Camera. "There are no camera control inputs"	☐	☐
37		From the Advanced tab within the Camera Control dialog, select the "Retrieve Input Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the input status is retrieved. Not supported on the TERL Camera. "There are no camera control inputs"	☐	☐
38		From the Advanced tab within the Camera Control dialog, select the "Retrieve Lens Equipment Availability" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the lens equipment availability is retrieved.	☐	☐
39		From the Advanced tab within the Camera Control dialog, select the "Retrieve Lens Feature Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the lens feature status is retrieved.	☐	☐

40		From the Advanced tab within the Camera Control dialog, select the "Retrieve Maximum Number of Labels" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the maximum number of labels is retrieved.	☐	☐
41		From the Advanced tab within the Camera Control dialog, select the "Retrieve Output Label Index" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the output label index is retrieved. Not supported on the TERL Camera. "There is no camera control label table entry"	☐	☐
42		From the Advanced tab within the Camera Control dialog, select the "Retrieve Output Status" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the output status is retrieved. Not supported on the TERL Camera. "There is no camera control input"	☐	☐
43		From the Advanced tab within the Camera Control dialog, select the "Retrieve Pressure Alarm Threshold" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the pressure alarm threshold is retrieved. Not supported on the TERL Camera. "There is no pressure alarm on camera"	☐	☐
44		From the Advanced tab within the Camera Control dialog, select the "Retrieve Pressure Alarm Value" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the pressure alarm value is retrieved.	☐	☐
45		From the Advanced tab within the Camera Control dialog,	If the camera supports the operation, the	☐	☐

		select the "Retrieve Range Objects" option from the Detailed Data option. Click the button to retrieve the details.	range objects are retrieved.		
46		From the Advanced tab within the Camera Control dialog, select the "Retrieve Temperature Alarm Threshold" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the temperature alarm threshold is retrieved. Not supported on the TERL Camera. "There is no temperature alarm on camera"	☐	☐
47		From the Advanced tab within the Camera Control dialog, select the "Retrieve Temperature Alarm Value" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the temperature alarm value is retrieved.	☐	☐
48		From the Advanced tab within the Camera Control dialog, select the "Retrieve Timeout Parameters" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the timeout parameters are retrieved.	☐	☐
49		From the Advanced tab within the Camera Control dialog, select the "Retrieve Washer Fluid Alarm Threshold" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the washer fluid alarm threshold is retrieved. Not supported on the TERL Camera. "There is no washer fluid alarm threshold on camera"	☐	☐
50		From the Advanced tab within the Camera Control dialog, select the "Retrieve Washer Fluid Alarm Value" option from the Detailed Data option. Click	If the camera supports the operation, the washer fluid alarm value is retrieved.	☐	☐

		the button to retrieve the details.	Not supported on the TERL Camera. "There is no washer fluid alarm on camera"		
51		From the Advanced tab within the Camera Control dialog, select the "Retrieve Zone Maximum" option from the Detailed Data option. Click the button to retrieve the details.	If the camera supports the operation, the zone maximum is retrieved.	☐	☐
52		From the Advanced tab within the Camera Control dialog, select the "Set Output Control" option from the Detailed Data option. Select one or more outputs to control. Click the button to retrieve the details.	If the camera supports the operation, the output controls are set.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

8. IC-6: SG-3926 Assign CCTV to DMS and provide shortcut in DMS dialog

8.1 Objectives

The objective of this integration case is to test the requirements associated with assigning CCTV cameras to equipment and providing shortcuts to viewing them in related dialogs.

8.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-829	The software will allow a user to configure an optional camera and optional preset for a DMS sign of any Sign Use.
SRT-830	The software will allow a user to configure an optional camera and optional preset for a Ramp Meter device.
SRT-831	The list of cameras available to associate with a DMS sign or Ramp Meter will include the list of local cameras, C2C cameras, and RCA cameras that have an available video stream to view in Video on Desktop.
SRT-832	If a C2C camera is selected, the software will not allow the user to save an associated preset.
SRT-833	When viewing DMS in the DMS Status Dialog, the software will allow the user to select a DMS and launch the associated camera in a new or existing Video on Desktop dialog.
SRT-834	If a preset is configured, the software will send a request to the camera to move to the configured preset.
SRT-835	When viewing a DMS in the Response Plan Dialog, the software will allow the user to select a DMS and launch the associated camera in a new or existing Video on Desktop dialog.
SRT-836	If a preset is configured, the software will send a request to the camera to move to the configured preset.
SRT-837	When viewing a ramp meter device in the RMS Status Dialog, the software will allow the user to select a ramp meter and launch the associated camera in a new or existing Video on Desktop dialog.
SRT-838	If a preset is configured, the software will send a request to the camera to move to the configured preset.

8.3 Test Approach

The test steps will show the CCTV cameras being assigned to DMS and RMS devices, also displaying the shortcuts to view the assigned cameras and their presets.

8.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- C2C Subscriber
- CCTV
    - ONVIF Driver
    - NTCIP Driver
- CNA
- DMS
- EM
- MAS
- RCA
- RMS
- TSS

Configured Devices

- Two CCTV cameras configured for a live camera on the primary test server
    - One camera configuration should have at least three different presets configured
    - Both cameras should have video streams configured
- An additional camera configured on the primary test server
    - No video stream should be configured for this camera
- Two CCTV cameras configured for a live camera on the secondary test server
    - One camera configuration should have at least three different presets configured
    - Both cameras should have video streams configured
- An additional camera configured on the secondary test server
    - No video stream should be configured for this camera

Other Prerequisite Conditions

- The primary test server should be configured and connected to a second server via RCA
    - The connection to the secondary server from the primary should be providing at least CCTV data
- C2C should be configured to retrieve data from a C2C Test Server instance that is providing at least two cameras
    - One of the cameras should have a video stream, the other should have no video stream configured
- The center for the C2C connection should be different from the one providing RCA data

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-829 SRT-831	Open the DMS configuration dialog. Configure a General DMS and select the local camera with presets to associate with the DMS. Select one of the presets. Configure a second General DMS and select the second local camera without presets to associate with the DMS. Save the added DMS configurations.	The software allows a user to configure an optional camera and optional preset for a DMS sign of General Sign Use. The list of cameras available to associate with a DMS sign includes the list of local cameras that have an available video stream to view in Video on Desktop.	☐	☐
2	SRT-829 SRT-831	Configure a third General DMS and select the RCA camera with presets to associate with the DMS. Select one of the presets. Configure a fourth General DMS and select the second RCA camera without presets to associate with the DMS. Save the added DMS configurations.	The software allows a user to configure an optional camera and optional preset for a DMS sign of General Sign Use. The list of cameras available to associate with a DMS sign includes the list of RCA cameras that have an available video stream to view in Video on Desktop.	☐	☐
3	SRT-829 SRT-831 SRT-832	Configure a fifth General DMS and select the C2C camera to associate with the DMS. Attempt to select a preset. Save the added DMS configurations.	The software allows a user to configure an optional camera and optional preset for a DMS sign of General Sign Use. The list of cameras available to associate with a DMS sign includes the list of C2C cameras that have an available video stream to view in Video on Desktop.	☐	☐

4	SRT-829	Add 5 new DMS using a different Sign Use for each sign. For each of the available Sign Uses, configure the DMS with an associated camera and preset. Save the added DMS configurations.	The software allows a user to configure an optional camera and optional preset for a DMS sign of any Sign Use.	☐	☐
5	SRT-830 SRT-831	Open the RMC configuration dialog. Configure a RMC and select the local camera with presets to associate with the RMC. Select one of the presets. Configure a second RMC and select the second local camera without presets to associate with the RMC. Save the added RMC configurations.	The software allows a user to configure an optional camera and optional preset for a DMS sign of General Sign Use. The list of cameras available to associate with a DMS sign includes the list of local cameras that have an available video stream to view in Video on Desktop.	☐	☐
6	SRT-830 SRT-831	Configure a third RMC and select the RCA camera with presets to associate with the RMC. Select one of the presets. Configure a fourth RMC and select the second RCA camera without presets to associate with the RMC. Save the added RMC configurations.	The software allows a user to configure an optional camera and optional preset for a DMS sign of General Sign Use. The list of cameras available to associate with a DMS sign includes the list of RCA cameras that have an available video stream to view in Video on Desktop.	☐	☐
7	SRT-830 SRT-831 SRT-832	Configure a fifth RMC and select the C2C camera to associate with the RMC. Attempt to select a preset.	The software allows a user to configure an optional camera and optional preset for a DMS sign of General Sign Use.	☐	☐

		Save the added RMC configurations.	The list of cameras available to associate with a DMS sign includes the list of C2C cameras that have an available video stream to view in Video on Desktop.		
8	SRT-833 SRT-834	Open a Video on Desktop dialog for all cameras with presets. If the camera positions are currently set to the same as the configured presets to be tested, move them to a different position. Open the DMS status dialog. Identify and select the three General DMS that are configured with a local, RCA, and C2C cameras and no associated preset. Open a new Video on Desktop dialog for the associated cameras. Observe the positions of the cameras. Identify the two General DMS that are configured with a local, and RCA camera and an associated preset. Open the associated camera streams in an existing Video on Desktop dialog. Observe the positions of the cameras.	When viewing DMS in the DMS Status Dialog, the software will allow the user to select a DMS and launch the associated camera in a new or existing Video on Desktop dialog. If a preset is configured, the software will send a request to the camera to move to the configured preset.	☐	☐
9	SRT-835 SRT-836	Open a Video on Desktop dialog for all cameras with presets. If the camera positions are currently set to the same as the configured presets to be tested, move them to a different position.	When viewing a DMS in the Response Plan Dialog, the software will allow the user to select a DMS and launch the associated camera in a new or existing Video on Desktop dialog.	☒	☐

		Create an event. Manually add the three General DMS with no presets to the response plan. Identify and select the three General DMS that are configured with a local, RCA, and C2C cameras and no associated preset. Open a new Video on Desktop dialog for the associated cameras. Observe the positions of the cameras. Manually add the two General DMS with an associated preset. Select the two General DMS that are configured with a local, and RCA camera and an associated preset. Open the associated camera streams in an existing Video on Desktop dialog. Observe the positions of the cameras.	If a preset is configured, the software will send a request to the camera to move to the configured preset.		
10	SRT-837 SRT-838	Open a Video on Desktop dialog for all cameras with presets. If the camera positions are currently set to the same as the configured presets to be tested, move them to a different position. Open the RMC Status dialog. Identify and select the three RMC that are configured with a local, RCA, and C2C cameras and no associated preset. Open a new Video on Desktop dialog for the associated cameras. Observe the positions of the cameras.	When viewing a ramp meter device in the RMS Status Dialog, the software will allow the user to select a ramp meter and launch the associated camera in a new or existing Video on Desktop dialog. If a preset is configured, the software will send a request to the camera to move to the configured preset.	☐	☐

		Identify and select the two RMC that are configured with a local, and RCA camera and an associated preset. Open the associated camera streams in an existing Video on Desktop dialog. Observe the positions of the cameras.			

Test End Date/Time	
FDOT Witness	
SwRI Witness	

9. *IC-7: SG-5875 Issue 564 Phase 2 Ceased Use Implementation*

9.1 Objectives

The objective of this integration case is to test the requirements associated with ceasing the use of active configurations.

9.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-784	When an availability status is deleted, it will be removed from the running system but remain in the database.
SRT-785	When a beat is deleted, it will be removed from the running system but remain in the database.
SRT-786	When a geofence is deleted, it will be removed from the running system but remain in the database.
SRT-787	When an operator is deleted, it will be removed from the running system but remain in the database.
SRT-788	When a radio is deleted, it will be removed from the running system but remain in the database.
SRT-789	When a telephone is deleted, it will be removed from the running system but remain in the database.
SRT-790	When a vehicle is deleted, it will be removed from the running system but remain in the database.
SRT-791	When an abbreviation is deleted, it will be removed from the running system but remain in the database.
SRT-792	When an activity is deleted, it will be removed from the running system but remain in the database.
SRT-793	When an agency is deleted, it will be removed from the running system but remain in the database.
SRT-794	When an attribute type is deleted, it will be removed from the running system but remain in the database.
SRT-795	When a comment type is deleted, it will be removed from the running system but remain in the database.
SRT-796	When an event status is deleted, it will be removed from the running system but remain in the database.
SRT-797	When an injury type is deleted, it will be removed from the running system but remain in the database.
SRT-798	When an organization is deleted, it will be removed from the running system but remain in the database.
SRT-799	When a procedural error is deleted, it will be removed from the running system but remain in the database.

SRT-800	When a county is deleted, it will be removed from the running system but remain in the database.
SRT-801	When a lane map is deleted, it will be removed from the running system but remain in the database.
SRT-802	When a lane type is deleted, it will be removed from the running system but remain in the database.
SRT-803	When a location is deleted, it will be removed from the running system but remain in the database.
SRT-804	When a reference point is deleted, it will be removed from the running system but remain in the database.
SRT-805	When a roadway is deleted, it will be removed from the running system but remain in the database.
SRT-806	When a message template is deleted, it will be removed from the running system but remain in the database.
SRT-807	When a color is deleted, it will be removed from the running system but remain in the database.
SRT-808	When a state is deleted, it will be removed from the running system but remain in the database.
SRT-809	When a vehicle make is deleted, it will be removed from the running system but remain in the database.
SRT-810	When a vehicle model is deleted, it will be removed from the running system but remain in the database.
SRT-811	The software will allow the user to retrieve the list of responder agencies, vehicles, vehicle statuses, drivers, beats, radios, and phone numbers and use the ceased items as parameters when running reports.
SRT-812	The software will allow the user to retrieve the list of organizations, counties, roadways, directions, reference points, locations, event types, event attributes, event statuses, agencies, vehicle types, and injuries and use the ceased items as parameters when running reports.

9.3 Test Approach

These test steps will test the ability to remove configurations from the running system without deleting them from the database.

9.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- AVL/RR
- EM

- RS

Configured Devices

- N/A

Other Prerequisite Conditions

- An existing ceased use vehicle in the database
  - The ceased use vehicle should have data in the AVLRR_VEHICLE_HISTORY table
  - The ceased use vehicle should be currently assigned a ceased use telephone
  - The ceased use vehicle should be associated to a ceased use vehicle agency
  - The entries in the AVLRR_VEHICLE_HISTORY include a ceased use radio, ceased use beat, and
  - ceased use operator for the entries.
- A known event with the following data
  - The event location should be at a ceased use location, for a ceased use reference point, on a ceased
  - use roadway, in a ceased use county
  - A ceased use organization
  - A ceased use event type
  - A ceased use event status
  - Ceased use event attributes assigned
  - An involved vehicle, which had a model associated to a ceased use vehicle type
  - A ceased use injury type
  - A ceased use responder agency that was notified, arrived on scene, and departed.

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-784	Add an availability status to the system. Review the `AVLRR_AVAIL_STATUS` table of the database and note the assigned system ID. Delete the availability status from the system.	When the availability status is deleted, it is removed from the running system but remains in the database. The `CEASED_USE` and `CEASED_DATE` columns for the entry are set.	☐	☐

		Review the AVLRR_AVAIL_STATUS table of the database.			
2	SRT-785	Add a beat to the system. Review the AVLRR_BEAT table of the database and note the assigned system ID. Delete the beat from the system. Review the AVLRR_BEAT table of the database.	When the beat is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
3	SRT-786	Add a geofence to the system. Review the AVLRR_GEOFENCE table of the database and note the assigned system ID. Delete the geofence from the system. Review the AVLRR_GEOFENCE table of the database.	When the geofence is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
4	SRT-787	Add an operator to the system. Review the AVLRR_OPERATOR table of the database and note the assigned system ID. Delete the operator from the system. Review the AVLRR_OPERATOR table of the database.	When the operator is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
5	SRT-788	Add a radio to the system. Review the AVLRR_RADIO table of the database and note the assigned system ID. Delete the radio from the system. Review the AVLRR_RADIO table of the database.	When the radio is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐

6	SRT-789	Add a telephone to the system. Review the AVLRR_TELEPHONE table of the database and note the assigned system ID. Delete the telephone from the system. Review the AVLRR_TELEPHONE table of the database.	When the telephone is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
7	SRT-790	Add a vehicle to the system. Review the AVLRR_VEHICLE table of the database and note the assigned system ID. Delete the vehicle from the system. Review the AVLRR_VEHICLE table of the database.	When the vehicle is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
8	SRT-791	Add an abbreviation to the system. Review the ABBREVIATIONS table of the database and note the assigned system ID. Delete the abbreviation from the system. Review the ABBREVIATIONS table of the database.	When the abbreviation is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
9	SRT-792	Add an activity to the system. Review the EM_ACTIVITY table of the database and note the assigned system ID. Delete the activity from the system. Review the EM_ACTIVITY table of the database.	When the activity is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
10	SRT-793	Add an agency to the system. Review the EM_AGENCY table of the database and note the assigned system ID. Delete the agency from the system.	When the agency is deleted, it is removed from the running system but remains in the database.	☐	☐

		Review the EM_AGENCY table of the database.	The CEASED_USE and CEASED_DATE columns for the entry are set.		
11	SRT-794	Add an attribute type to the system. Review the EM_ATTRIBUTETYPE table of the database and note the assigned system ID. Delete the attribute type from the system. Review the EM_ATTRIBUTETYPE table of the database.	When the attribute type is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
12	SRT-795	Add a comment type to the system. Review the EM_LOOKUP table of the database and note the assigned system ID. Delete the comment type from the system. Review the EM_LOOKUP table of the database.	When the comment type is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
13	SRT-796	Add an event status to the system. Review the EM_EVENTSTATUS table of the database and note the assigned system ID. Delete the event status from the system. Review the EM_EVENTSTATUS table of the database.	When the event status is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
14	SRT-797	Add an injury type to the system. Review the EM_INJURYTYPE table of the database and note the assigned system ID. Delete the injury type from the system. Review the EM_INJURYTYPE table of the database.	When the injury type is deleted, it is removed from the running system but remains in the database. The CEASED_USE and	☐	☐

			CEASED_DATE columns for the entry are set.		
15	SRT-798	Add an organization to the system. Review the EM_LOOKUP table of the database and note the assigned system ID. Delete the organization from the system. Review the EM_LOOKUP table of the database.	When the organization is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
16	SRT-799	Add a procedural error to the system. Review the EM_LOOKUP table of the database and note the assigned system ID. Delete the procedural error from the system. Review the EM_LOOKUP table of the database.	When the procedural error is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
17	SRT-800	Add a county to the system. Review the COUNTY table of the database and note the assigned system ID. Delete the county from the system. Review the COUNTY table of the database.	When the county is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
18	SRT-801	Add a lane map to the system. Review the EM_LANEMAP table of the database and note the assigned system ID. Delete the lane map from the system. Review the EM_LANEMAP table of the database.	When the lane map is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
19	SRT-802	Add a lane type to the system. Review the EM_LANETYPE table of	When the lane type is deleted, it is removed from the running	☐	☐

		the database and note the assigned system ID. Delete the lane type from the system. Review the EM_LANETYPE table of the database.	system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.		
20	SRT-803	Add a location to the system. Review the EM_LOCATION table of the database and note the assigned system ID. Delete the location from the system. Review the EM_LOCATION table of the database.	When the location is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
21	SRT-804	Add a reference point to the system. Review the EM_REFERENCEPOINT table of the database and note the assigned system ID. Delete the reference point from the system. Review the EM_REFERENCEPOINT table of the database.	When the reference point is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
22	SRT-806	Add a message template to the system. Review the RPG_MSG_TEMPLATES table of the database and note the assigned system ID. Delete the message template from the system. Review the RPG_MSG_TEMPLATES table of the database.	When the message template is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
23	SRT-807	Add a color to the system. Review the EM_LOOKUP table of the database and note the assigned system ID.	When the color is deleted, it is removed from the running	☐	☐

		Delete the color from the system. Review the EM_LOOKUP table of the database.	system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.		
24	SRT-808	Add a state to the system. Review the EM_LOOKUP table of the database and note the assigned system ID. Delete the state from the system. Review the EM_LOOKUP table of the database.	When the state is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
25	SRT-809	Add a vehicle make to the system. Review the EM_LOOKUP table of the database and note the assigned system ID. Delete the vehicle make from the system. Review the EM_LOOKUP table of the database.	When the vehicle make is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
26	SRT-810	Add a vehicle model to the system. Review the EM_VEHICLEMODEL table of the database and note the assigned system ID. Delete the beat from the system. Review the EM_VEHICLEMODEL table of the database.	When the vehicle model is deleted, it is removed from the running system but remains in the database. The CEASED_USE and CEASED_DATE columns for the entry are set.	☐	☐
27	SRT-811	Open the reporting dialog and select the Automated Vehicle Location report. Observe the buttons to retrieve ceased use for available parameters. Retrieve the ceased use responding agency data. Select the ceased vehicle agency from the vehicle	The software allows the user to retrieve the list of responder agencies, vehicles, vehicle statuses, drivers, beats, radios, and phone numbers and use the ceased	☐	☐

		history preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use vehicle data. Select the ceased use vehicle from the vehicle history preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use vehicle statuses data. Select the ceased use vehicle from the vehicle history preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use driver data. Select the ceased use driver from the vehicle history preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use beat data. Select the ceased use beat from the vehicle history preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use radio data. Select the ceased use radio from the vehicle history preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use telephone data. Select the ceased use telephone from the vehicle history preconfiguration as a parameter value. Run the report.	items as parameters when running reports.		
28	SRT-812	From the reporting dialog, select the Event Chronology report. Observe the buttons to retrieve	The software allows the user to retrieve the list of organizations,	☐	☐

		ceased use for available parameters. Retrieve the ceased use location data. Select the ceased county from the event preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use location data. Select the ceased county and roadway from the event preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use location data. Select the ceased county, roadway, direction from the event preconfiguration as a parameter value. Select the ceased use reference point and location as the from and to reference points and locations. Run the report. Reset the report parameters. Retrieve the ceased use event type data. Select the ceased use event type from the event preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use event attribute data. Select one or more ceased use event attributes from the event preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use event status data. Select the ceased use event status from the event preconfiguration as a parameter value. Run the report.	counties, roadways, directions, reference points, locations, event types, event attributes, event statuses, agencies, vehicle types, and injuries and use the ceased items as parameters when running reports.		

		Reset the report parameters. Retrieve the ceased use agency data. Select the ceased use agency from the event preconfiguration as a parameter value. Run the report. Reset the report parameters. Retrieve the ceased use vehicle type data. Select the ceased use vehicle type from the event preconfiguration as a parameter value. Run the report. Reset the report parameters. Select the category for a ceased use injury type from the event preconfiguration as a parameter value. Run the report.			
29	SRT-805	Add a roadway to the system. Review the `ROADWAY` table of the database and note the assigned system ID. From database, set the `CEASED_USE` and `CEASED_DATE` values for the roadway. Restart EM. Review the roadway configuration dialog.	When the roadway is deleted, it is removed from the running system but remains in the database. The `CEASED_USE` and `CEASED_DATE` columns for the entry are set.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

10. *IC-8: SG-6015 TPAS prompt for verifying available spaces for CO reporting*

10.1 Objectives

Test the requirements associated with verifying truck parking space availability.

10.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-839	The software will have a configuration dialog to configure a schedule for performing Truck Parking verification counts.
SRT-840	The software will allow the user to select a verification time period including the day of week, time of day, and an interval to run the Truck Parking verification counts for each facility individually.
SRT-841	The software will allow the user to specify multiple verification time periods for each facility.
SRT-842	At the configured interval, the software will pop up a dialog to users with permission to handle Truck Parking verifications.
SRT-843	A single Truck Parking verification should contain a view of the associated cameras and current availability count for a Truck Parking area.
SRT-844	The dialog will allow the user to select an option indicating the current count is correct or input the correct count, and select an option indicating they have manually verified the count on FL511 matches the current Truck Parking area availability count in SunGuide only for the default area.
SRT-845	The dialog will have an option to skip the verification for a Truck Parking area.
SRT-846	If the option to skip a verification is selected, a popup will confirm the operator intended to select this option and require a comment to indicate why this option was selected.
SRT-847	When a facility is out of service, the verification will be automatically skipped and the comment shall indicate that it was skipped because of the facility status.
SRT-848	When an operator responds to a verification for a Truck Parking area, the verification for the Truck Parking area will be removed from all other Operator Maps.
SRT-849	The software will allow a user with permission to manually trigger the verification of all facilities to appear for all users with permission to handle Truck Parking verifications.
SRT-850	For each response to a Truck Parking area, the system will log the responding operator, time of response, facility, area, reported number of spaces, corrected number of spaces (if available), if the count was accurate, if the

	operator selected to skip the verification and the reason, and the result of the manual FL511 verification.
SRT-851	The verification dialog will have the option to snooze one or more Truck Parking verifications and dismiss the verification dialog for all users.
SRT-852	The system will allow the user to enter to amount of time to snooze.
SRT-853	When the snooze interval has elapsed, the verification dialog will reappear with the snoozed verifications.
SRT-854	If a verification is pending operator input at the time another verification is triggered, all pending verification will be skipped, and a comment will be entered that they were skipped due to no action from the operator.

10.3 Test Approach

The enhancement will be tested using a hands-on approach.

10.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- CCTV
- TPS
- TPS Driver

Configured Devices

- One simulated truck parking facility that is set to 'Active' status.
- The parking facility should contain 3 areas. Each area should contain parking spaces.
- A second simulated truck parking facility that is set to 'Active" status.
- The parking facility should have at least two areas.
- One or more truck parking facilities that are out of service. These do not need to be simulated.
- For each facility, ensure there is at least one area that contains parking spaces.
- Each truck parking area should have at least one CCTV camera associated with it.

Other Prerequisite Conditions

- Configure three users: an Administrator, a Verifier, and a Limited user
- The Administrator user should be a member of the "Administrator" user group.
- The Verifier should have all permissions except the TPS permission "Allows the user to configure availability verifications"
- The Limited user should have all permissions except the TPS permission "Allows the user to receive
- and handle TPS verifications" and "Allows the user to configure availability verifications"

- The Truck Parking Verification report should be configured

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-839 SRT-840 SRT-841	Open and log in to the Operator Map as the Administrator, Verifier, and Limited users. Attempt to open the Truck Parking Verification Configuration dialog for all users. From the Administrator map, observe the available configuration options for a truck parking verification schedule. Add a new truck parking verification schedule. Add two intervals to the schedule. At least one interval should be configured to run for today, from 8am-5pm, and to require verification every 15 minutes. Add the three areas from first "Active" facility, and at least one area from an "Out of Service" facility. Configure a second schedule. Configure only one interval that is not scheduled for today. Associate only one area from the second "Active" facility. Save the schedules.	The software has a configuration dialog to configure a schedule for performing Truck Parking verification counts. The configuration dialog is only available to users with permission to access the dialog. The software allows the user to select a verification time period including the day of week, time of day, and an interval to run the Truck Parking verification counts for each facility individually. The software allows the user to specify multiple verification time periods for each facility.	☐	☐
2	SRT-842	Wait for the verification popup to appear from both	At the configured interval, the software pops up a dialog to	☐	☐

		the Administrator and Verifier user maps.	users with permission to handle Truck Parking verifications. No pop up dialog is shown to users without permission.		
3	SRT-843 SRT-847	From the verification popup of the Administrator map session, review the verifications that were generated. Select a verification from the dialog. Observe the verification details in the dialog.	When a facility is out of service, the verification is automatically skipped. A single Truck Parking verification contains a view of the associated cameras and current availability count for a Truck Parking area.	☐	☐
4	SRT-844 SRT-848	From the Administrator map, verify the availability count of the default area. Select the option for counts to match, and select the option to verify the FL511 count. Observe the remaining verifications in the Verifier map. From the Verifier map, verify the availability count for another area. Select the option for the counts to not match. Input the correct count. Observe the remaining verifications in the Administrator map. Open the Truck Parking Facility Status dialog from a map. Observe the currently reported availability for the area that was just verified.	The dialog allows the user to select an option indicating the current count is correct or input the correct count, and select an option indicating they have manually verified the count on FL511 matches the current Truck Parking area availability count in SunGuide only for the default area. When an operator responds to a verification for a Truck Parking area, the verification for the Truck Parking area is removed from all other Operator Maps. The Truck Parking Facility Status dialog shows the corrected availability for the area.	☐	☐
5	SRT-854	Do not perform any action with the third verification. Wait until the next verification interval.	If a verification is pending operator input at the time another verification is triggered, all pending verifications are skipped.	☐	☐

6	SRT-845 SRT-846	From the Administrator map, complete one verification by verifying the area counts. Select a second verification and select the option to skip the verification. Provide an explanation and confirm the skip.	The dialog will has an option to skip the verification for a Truck Parking area. If the option to skip a verification is selected, a popup confirms the operator intended to select this option and require a comment to indicate why this option was selected.	☐	☐
7	SRT-851 SRT-852	From the Administrator map, snooze a verification. Specify the snooze duration for five minutes.	The verification dialog has the option to snooze one or more Truck Parking verifications and the dialog is dismissed for all users. The system allows the user to enter to amount of time to snooze.	☐	☐
8	SRT-853	Wait five minutes.	When the snooze interval has elapsed, the verification dialog reappears with the snoozed verifications.	☐	☐
9	SRT-849	From the Limited user map, attempt to manually generate verifications. From the Verifier map, manually generate verifications.	The software allows a user with permission to manually trigger the verification of all facilities to appear for all users with permission to handle Truck Parking verifications. A verification is generated for all areas configured as part of a verification schedule, even if they are not part of a schedule interval. If a verification is pending operator input at the time another verification is triggered, all pending verifications will be skipped.	☐	☐
10	SRT-846 SRT-847	From the Administrator map, open the Reports dialog and select the Truck Parking	For each response to a Truck Parking area, the system logs the responding operator, time	☐	☐

	SRT-850 SRT-854	Verification report. Specify a date range for today, and generate the report. Review the report data.	of response, facility, area, reported number of spaces, corrected number of spaces (if available), if the count was accurate, if the operator selected to skip the verification and the reason, and the result of the manual FL511 verification. Verifications that were skipped have a comment to indicate why this option was selected. Verifications for facilities that are out of service were automatically skipped and the comment indicates that it was skipped because of the facility status. Verifications pending operator input at the time another verification was triggered have a comment entered that they were skipped due to no action from the operator.		

Test End Date/Time	
FDOT Witness	
SwRI Witness	

11. *IC-9: SG-5810 Copy a SAS Plan*

11.1 Objectives

The objective of this integration case is to test the requirements associated with copying SAS schedules and items.

11.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-817	The system will allow the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, scheduled action(s), and any selected devices.
SRT-818	The new scheduled item will have a unique name among scheduled items and allow the user to modify the name of the item after creation.
SRT-819	The system will allow the operator to select a Schedule and make a copy of the schedule.
SRT-820	The new schedule will have a unique name among schedules and allow the user to modify the name of the item after creation.
SRT-821	The software will make a copy of each Scheduled Item in the original schedule including the start and end dates, reoccurrence pattern, scheduled action(s), and any selected devices.
SRT-822	The new scheduled items will have a unique name among scheduled items and allow the user to modify the name of the item after creation.

11.3 Test Approach

These tests will show the functionality of copying both scheduled items and schedules.

11.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- C2C Subscriber
- CCTV
- CCTV NTCIP Driver
- CNA
- DMS
- DMS Statewide Driver
- EM
- MAS

- TVT

Configured Devices

- A live CCTV camera configured for use with the NTCIP CCTV driver.
- A simulated DMS

Other Prerequisite Conditions

- A SAS schedule with:
- A scheduled item for CCTV movement
- A scheduled item for a DMS message
- A scheduled item for a DMS group message
- A scheduled item for a predefined response plan
- A scheduled item for a report
- A scheduled item for a response plan
- A scheduled item for a travel time device
- A scheduled item for a system-wide travel time
- A scheduled item for a floodgate
- A scheduled item for a SAS schedule
- A scheduled item for group membership
- A scheduled item for a ramp meter

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-819 SRT-820 SRT-821 SRT-822	Open the dialog for schedule management. Select the pre-configured schedule. Copy the schedule. Review the name of the original and copied schedule. Rename the copied schedule. Open the scheduled item list for the original and copied schedule. For each scheduled item in the copied schedule, compare the	The system allows the operator to select a Schedule and make a copy of the schedule. The new schedule has a unique name among schedules and allows the user to modify the name of the item after creation. The software made a copy of each Scheduled Item in the original schedule including the start and end dates,	☐	☐

		configuration of the scheduled item with the configuration for the original item in the original schedule. Rename the scheduled item in the copied scheduled.	reoccurrence pattern, action, and any selected devices. The new scheduled items have a unique name among scheduled items and allow the user to modify the name of the item after creation.		
2	SRT-817 SRT-818	Open the scheduled items dialog for the pre-configured schedule. Select the scheduled item for CCTV movement. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
3	SRT-817 SRT-818	Select the scheduled item for the DMS message. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
4	SRT-817 SRT-818	Select the scheduled item for the DMS group message. Copy the scheduled item.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start	☐	☐

		Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.		
5	SRT-817 SRT-818	Select the scheduled item for the predefined plan activation. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
6	SRT-817 SRT-818	Select the scheduled item for the report. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
7	SRT-817 SRT-818	Select the scheduled item for the response plan. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices.	☐	☐

		configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.		
8	SRT-817 SRT-818	Select the scheduled item for the travel time device. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
9	SRT-817 SRT-818	Select the scheduled item for the system-wide travel time. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
10	SRT-817 SRT-818	Select the scheduled item for the floodgate. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows	☐	☐

		Edit the name of the copied scheduled item and save the changes.	the user to modify the name of the item after creation.		
11	SRT-817 SRT-818	Select the scheduled item for the SAS schedule. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
12	SRT-817 SRT-818	Select the scheduled item for group membership. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐
13	SRT-817 SRT-818	Select the scheduled item for the ramp meter. Copy the scheduled item. Open the scheduled item editor the original and copied scheduled item. Compare the configuration of the scheduled items. Edit the name of the copied scheduled item and save the changes.	The system allows the operator to select a Scheduled Item and make a copy of the item in the same schedule including the start and end dates, reoccurrence pattern, action, and any selected devices. The new scheduled item has a unique name among scheduled items and allows the user to modify the name of the item after creation.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

12. *IC-10: SG-5806 Adding multiple activities to a responder at one time instead of only one at a time.*

12.1 Objectives

The objective of this integration case is to test the requirements associated with adding multiple activities performed by a dispatch vehicle at one time.

12.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-855	When adding activities for a Road Ranger in the Event Details dialog, the software will allow a user to select one or more activities to add to the event.
SRT-856	When adding activities for a Road Ranger in the SPARR app, the software will allow a user to select one or more activities to add to the event.

12.3 Test Approach

These test steps will validate the successful implementation of adding multiple activities performed by a dispatch vehicle at one time.

12.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- AVL/RR
- AVL/RR SPARR Driver
- CNA
- EM

Configured Devices

- N/A

Other Prerequisite Conditions

- An AVL/RR Vehicle configured for use with the SPARR driver.
- An AVL/RR Operator the tester should know the password for.

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1	SRT-855	Create a new event. Dispatch and arrive a road ranger vehicle. Select at least one quantifiable and one non-quantifiable activity to add to the road ranger vehicle dispatched to the event. Specify a quantity for any activities that are quantifiable. Add the activities to the event. Depart the vehicle from the event and close the event.	When adding activities for a Road Ranger in the Event Details dialog, the software allows a user to select one or more activities to add to the event.	☐	☐
2	SRT-856	Log in to the SPARR app as the preconfigured operator and with the preconfigured vehicle. Put the vehicle in a patrolling status. From the SPARR app, create an event. Select at least one quantifiable and one non-quantifiable activity to add to the road ranger vehicle dispatched to the event. Specify a quantity for any activities that are quantifiable. Add the activities to the event.	When adding activities for a Road Ranger in the SPARR app, the software allows a user to select one or more activities to add to the event.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

13. *IC-11: SG-6142 Add a "Submit Crash Report" option for Operator Map Failures*

13.1 Objectives

The objective of this integration case is to test the requirements associated with adding a feature for submitting crash reports for Operator Map failures.

13.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-813	The software configuration file will contain connection information to a JIRA project for the software to automatically report issues.
SRT-814	When an Operator Map crashes, the system will attempt to get the error message for the crash, and automatically open a JIRA issue for a configured JIRA project.

13.3 Test Approach

The test will accomplish validating the ability to submit a crash report for Operator Map crashes.

13.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA

Configured Devices

- N/A

4.3 Other Prerequisite Conditions

- N/A

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement	Test Steps	Expected Results	P	F

	Number(s)				
1	SRT-813	Open the OMInterface.dll.config.xml file and observe the configuration options. Verify the crash report URL and the setting to enable sending crash reports is enabled.	The software configuration file contains connection information to a JIRA project for the software to automatically report issues.	☐	☐
2	SRT-814	Launch an Operator Map. Log in and trigger a regular error. Launch an Operator Map. Log in and trigger a critical error. Log into the configured Jira project and review the list of issues.	When the Operator Map crashed, the system got the error message for the crash, and automatically opened a JIRA issue for the configured JIRA project.	☐	☐
3	SRT-813 SRT-814	Open the OMInterface.dll.config.xml file and observe the configuration options. Set the configuration to false to no longer send crash reports. Close the existing Operator Map. Launch a NEW Operator Map. Log in and trigger a critical error. Log into the configured Jira project and review the list of issues.	The original report will be present, but no new reports are generated.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

14. IC-12: SG-6120 Allow saving configuration of items without errors despite errors in other items of the same type.

14.1 Objectives

The objective of this integration case is to test the requirements associated with allowing saving configuration of items without errors despite errors in other items of the same type.

14.2 Requirements to be tested

The following table contains a list of the requirements associated with this integration case that will be tested during the formal acceptance testing of the SunGuide software.

Requirement Number	Requirement Text
SRT-781	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software will allow the user to initiate the save action.
SRT-782	If there is a validation error on an added or modified item, the validation error will take precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.
SRT-783	Validation errors unrelated to the item being added or modified will be displayed to the user.

14.3 Test Approach

The tests steps will validate the successful implementation of allowing saving configuration of items without errors despite errors in other items of the same type.

14.4 Test Descriptions

The following section details the necessary applications and configuration required prior to running the indicated test steps.

Subsystems/Drivers Required

- DataBus
- SAA
- AVLRR
- BMS
- C2C BlueTOAD Publisher
- C2C Subscriber
- CCTV
- CNA
- CVS
- DMS
- EM

- GPIO
- HAR
- DR2000 Driver
- IDS
- MLS
- RCA
- RISC
- RMS
- RS
- RWIS
- SAS
- SB
- TCS
- Naztec Driver
- TPS
- TSS
- TVT
- VS

Configured Devices

- N/A

Other Prerequisite Conditions

- Configure the BlueToad simulator
    - Configure the BlueToad link config file using the BlueToad Link Editor.
- Naztec Simulator should be running and simulating one or more timing plans.
- Ensure that there is at least one preconfigured configuration of each of the below items:
    - AVL/RR
        - Availability status
        - Beat
        - Geofence
        - Operator
        - Radio
        - Telephone
        - Vehicle agency
        - Vehicle
    - BlueTOAD
        - O/D pair
    - BMS
        - Beacon
    - CCTV
        - Camera
        - Video on Desktop Layout
        - Video on Desktop Tour

- CNA
  - Area
  - Contact group
  - Contact
- CVS
  - TAM library message
  - TAM message library
  - RSE
- DMS
  - Approved word
  - Font
  - Graphic
  - DMS group
  - Manufacturer
  - DMS library message
  - DMS message library
  - DMS
- EM
  - Abbreviation
  - Activity
  - Agency
  - Attribute type
  - Color
  - Comment type
  - County
  - Device sequencing
  - Device template
  - Event status
  - Event type
  - Injury type
  - Lane map
  - Lane type
  - Location
    - Note the county, roadway, and direction of the preconfigured location
    - The short name should be "testEmLocation"
  - Message template
  - Organization
  - Predefined plan
  - Procedural error
  - Reference point
  - Roadway
  - State
  - Vehicle make
  - Vehicle model
  - Vehicle type
  - Weather condition

- GPIO
  - DMS message action
  - I/O device group
  - Two I/O devices
  - I/O state
- HAR
  - HAR
- IDS
  - Citilog camera
  - Vehicle alert device
- MLS
  - Action list template
  - Action template
  - Controller
  - Gate
  - Managed road
  - Ramp
  - Segment
- RISC
  - Contract
- RMS
  - Ramp metering controller
- RS
  - Report group
  - Report
- RWIS
  - Station
  - Threshold
- SAA
  - Custom dictionary word
  - Display location
  - Group
  - Icon group
  - Manufacturer
  - Map shield
  - Map view
  - User
- SAS
  - Action list
  - Scheduled item
  - Schedule
- SB
  - Safety barrier
- TSS
  - Detector threshold
  - Detector

    - Link threshold
    - Link
  - TCS
    - Traffic signal route
  - TPS
    - Facility
    - Verification schedule
  - TVT
    - Destination
    - Device template
    - Message template
    - Travel time link
    - Travel time threshold
  - VS
    - Video destination
    - Video source
    - Video tour
    - Virtual wall layout
    - Workstation
- Run the test script (insertBadData.sql) to create configuration errors for each of the above data types.

Test Procedure

Test Start Date/Time	

Perform the following steps from a workstation:

	Requirement Number(s)	Test Steps	Expected Results	P	F
1		Open the BlueTOAD Status dialog. Observe the dialog state without any configuration changes.	Configuration of O/D pairs is unsupported by BlueTOAD. The requirements are not testable.	☐	☐
2	SRT-781 SRT-782	Open a Video on Desktop dialog. Open the Desktop Video Layout Editor dialog. Add a new layout with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save	☐	☐

		Open the Desktop Video Tour Editor dialog. Add a new tour with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Open the Desktop Video Tour Editor dialog. Modify a tour to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	action, and be shown to the user over validation errors for other items in the dialog.		
3	SRT-781 SRT-782 SRT-783	Open the Beacon Configuration dialog. Observe the dialog state without any configuration changes. Add a new beacon with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the beacon to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
4	SRT-781 SRT-782 SRT-783	Open the Camera Configuration dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action.	☐	☐

		Add a new camera with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the camera to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
5	SRT-781 SRT-782 SRT-783	Open the RSE Configuration dialog. Observe the dialog state without any configuration changes. Add a new RSE with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the RSE to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
6	SRT-781 SRT-782 SRT-783	Open the TAM Message Library Management dialog. Observe the dialog state without any configuration changes. Add a new library. Modify the configuration to be invalid. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the	☐	☐

		Correct the invalid configuration. Save the changes. Add a new message with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the message to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
7	SRT-781 SRT-782 SRT-783	Open the Area Configuration dialog. Observe the dialog state without any configuration changes. Add a new area with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the area to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
8	SRT-781 SRT-782 SRT-783	Open the Contact Group Configuration dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action.	☐	☐

		Add a new contact group with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the contact group to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
9	SRT-781 SRT-782 SRT-783	Open the Contact Configuration dialog. Observe the dialog state without any configuration changes. Add a new contact with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the contact to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
10		Open the Custom Dictionary Words dialog. Observe the dialog state without any configuration changes. Add a new word with invalid configuration. Attempt to save.	The dialog does not have UI validation. The requirements do not apply.	☐	☐

		Correct the invalid configuration. Save the changes.			
11		Open the DMS Approved Words dialog. Observe the dialog state without any configuration changes. Add a new word with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
12	SRT-781 SRT-782 SRT-783	Open the Font Configuration dialog. Observe the dialog state without any configuration changes. Add a new font with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the font to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
13	SRT-781 SRT-782 SRT-783	Open the Graphic Configuration dialog. Observe the dialog state without any configuration changes. Add a new graphic with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added item, the validation error takes precedence, prevent the save action, and	☐	☐

		Correct the invalid configuration. Save the changes.	be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added are displayed to the user.		
14	SRT-781 SRT-782 SRT-783	Open the DMS Group Management dialog. Observe the dialog state without any configuration changes. Add a new DMS group with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the DMS group to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
15		Open the DMS Manufacturers dialog. Observe the dialog state without any configuration changes. Add a new manufacturer with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
16	SRT-781 SRT-782 SRT-783	Open the DMS Message Library Management dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action.	☐	☐

		Add a new library. Modify the configuration to be invalid. Attempt to save. Correct the invalid configuration. Save the changes. Add a new message with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the message to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
17	SRT-781 SRT-782 SRT-783	Open the DMS Configuration dialog. Observe the dialog state without any configuration changes. Add a new DMS with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the DMS to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
18	SRT-781 SRT-782 SRT-783	Open the Display Location Configuration dialog. Observe the dialog state	When an operator is using a configuration dialog and a modified item does not have a validation error, the software	☐	☐

		without any configuration changes. Modify a device to have an invalid display location configuration. Attempt to save. Correct the invalid configuration. Save the changes.	allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being modified are displayed to the user.		
19	SRT-781 SRT-782 SRT-783	Open the Abbreviation Configuration dialog. Observe the dialog state without any configuration changes. Add a new abbreviation with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the abbreviation to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
20	SRT-781 SRT-782 SRT-783	Open the Activity Configuration dialog. Observe the dialog state without any configuration changes. Add a new activity with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the	☐	☐

		Modify the activity to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
21	SRT-781 SRT-782 SRT-783	Open the Agency Configuration dialog. Observe the dialog state without any configuration changes. Add a new agency with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the agency to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
22	SRT-781 SRT-782 SRT-783	Open the Attribute Type Configuration dialog. Observe the dialog state without any configuration changes. Add a new attribute type with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the attribute type to have invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes.			
23	SRT-781 SRT-782 SRT-783	Open the Comment Type Configuration dialog. Observe the dialog state without any configuration changes. Add a new comment type with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the comment type to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
24	SRT-781 SRT-782 SRT-783	Open the Device Sequencing Configuration dialog. Observe the dialog state without any configuration changes. Add a new virtual node with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the virtual node to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
25	SRT-781	Open the Event Details Layout Configuration dialog.	When an operator is using a configuration dialog and a	☐	☐

	SRT-782	Observe the dialog state without any configuration changes. Modify the event details layout to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.		
26	SRT-781 SRT-782 SRT-783	Open the Event Status Configuration dialog. Observe the dialog state without any configuration changes. Add a new event status with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the event status to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
27	SRT-781 SRT-782 SRT-783	Open the Event Type Configuration dialog. Observe the dialog state without any configuration changes. Modify the event type to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐

			Validation errors unrelated to the item being modified are displayed to the user.		
28	SRT-781 SRT-782 SRT-783	Open the Injury Type Configuration dialog. Observe the dialog state without any configuration changes. Add a new injury type with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the injury type to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
29	SRT-781 SRT-782 SRT-783	Open the County Configuration dialog. Observe the dialog state without any configuration changes. Add a new county with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the county to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
30	SRT-781	Open the Lane Map Configuration dialog.	When an operator is using a configuration dialog and an	☐	☐

	SRT-782 SRT-783	Observe the dialog state without any configuration changes. Add a new lane map with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the lane map to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
31	SRT-781 SRT-782 SRT-783	Open the Lane Type Configuration dialog. Observe the dialog state without any configuration changes. Add a new lane type with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the lane type to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
32	SRT-781 SRT-782 SRT-783	Open the Location Configuration dialog. Filter to the county, roadway, and direction of the preconfigured location. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action.	☐	☐

		Add a new location with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the location to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
33	SRT-781 SRT-782 SRT-783	Open the Reference Points Configuration dialog. Observe the dialog state without any configuration changes. Add a new reference point with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the reference point to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
34	SRT-781 SRT-782 SRT-783	Open the Roadway Configuration dialog. Observe the dialog state without any configuration changes. Add a new roadway with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save	☐	☐

		Correct the invalid configuration. Save the changes. Modify the roadway to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
35	SRT-781 SRT-782 SRT-783	Open the Organization Configuration dialog. Observe the dialog state without any configuration changes. Add a new organization with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the organization to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
36	SRT-781 SRT-782 SRT-783	Open the Procedural Error Configuration dialog. Observe the dialog state without any configuration changes. Add a new procedural error with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐

		Modify the procedural error to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	Validation errors unrelated to the item being added or modified are displayed to the user.		
37	SRT-781 SRT-782 SRT-783	Open the RISC Contracts Configuration dialog. Observe the dialog state without any configuration changes. Add a new contract with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the contract to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
38	SRT-781 SRT-782 SRT-783	Open the EM Device Template Configuration dialog. Observe the dialog state without any configuration changes. Add a new device template with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the device template to have invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes.			
39	SRT-781 SRT-782 SRT-783	Open the EM Message Template Configuration dialog. Observe the dialog state without any configuration changes. Add a new message template with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the message template to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
40	SRT-781 SRT-782 SRT-783	Open the Color Configuration dialog. Observe the dialog state without any configuration changes. Add a new color with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the color to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

41	SRT-781 SRT-782 SRT-783	Open the State Configuration dialog. Observe the dialog state without any configuration changes. Add a new state with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the state to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
42	SRT-781 SRT-782 SRT-783	Open the Vehicle Make/Model Configuration dialog. Observe the dialog state without any configuration changes. Add a new vehicle make with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the vehicle make to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Add a new vehicle model with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes. Modify the vehicle model to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.			
43		Open the Vehicle Type Configuration dialog. Observe the dialog state without any configuration changes.	The dialog does not allow users to edit configuration. The requirements do not apply.	☐	☐
44	SRT-781 SRT-783	Open the Weather Condition Configuration dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. Validation errors unrelated to the item being modified are displayed to the user.	☐	☐
45	SRT-781 SRT-782 SRT-783	Open the DMS Message Action Configuration dialog. Observe the dialog state without any configuration changes. Add a new DMS message action with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the DMS message action to have invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes.			
46	SRT-781 SRT-782 SRT-783	Open the I/O Device Groups Configuration dialog. Observe the dialog state without any configuration changes. Add a new I/O device group with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the I/O device group to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
47	SRT-781 SRT-782 SRT-783	Open the I/O Device Configuration dialog. Observe the dialog state without any configuration changes. Add a new I/O Device with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the I/O device to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
48	SRT-781	Open the I/O State Configuration dialog.	When an operator is using a configuration dialog and an	☐	☐

	SRT-782 SRT-783	Observe the dialog state without any configuration changes. Add a new I/O state with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the I/O state to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
49	SRT-781 SRT-782 SRT-783	Open the HAR Configuration dialog. Observe the dialog state without any configuration changes. Add a new HAR with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the HAR to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
50	SRT-781 SRT-782 SRT-783	Open the Icon Group Configuration dialog. Observe the dialog state without any configuration changes. Add a new icon group with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item,	☐	☐

		Correct the invalid configuration. Save the changes. Modify the icon group to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
51	SRT-781 SRT-782	Open the Alarm Options Configuration dialog. Observe the dialog state without any configuration changes. Modify the alarm options to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐
52	SRT-781 SRT-782 SRT-783	Open the Citilog Camera Configuration dialog. Observe the dialog state without any configuration changes. Add a new Citilog camera with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the Citilog camera to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

53	SRT-781 SRT-782 SRT-783	Open the Vehicle Alert Device Configuration dialog. Observe the dialog state without any configuration changes. Add a new vehicle alert device with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the vehicle alert device to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
54	SRT-781 SRT-782 SRT-783	Open the Action List Template Configuration dialog. Observe the dialog state without any configuration changes. Add a new action list template with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the action list template to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
55	SRT-781	Open the Action Template Configuration dialog.	When an operator is using a configuration dialog and an	☐	☐

	SRT-782 SRT-783	Observe the dialog state without any configuration changes. Add a new action template with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the action template to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
56	SRT-781 SRT-782 SRT-783	Open the Controller Configuration dialog. Observe the dialog state without any configuration changes. Add a new controller with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the controller to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
57	SRT-781 SRT-782 SRT-783	Open the Gate Configuration dialog. Observe the dialog state without any configuration changes. Add a new gate with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action.	☐	☐

		Correct the invalid configuration. Save the changes. Modify the gate to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
58	SRT-781 SRT-782 SRT-783	Open the Managed Roads Configuration dialog. Observe the dialog state without any configuration changes. Add a new managed roads with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the managed roads to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
59	SRT-781 SRT-782 SRT-783	Open the Ramp Configuration dialog. Observe the dialog state without any configuration changes. Add a new ramp with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the	☐	☐

		Modify the ramp to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
60	SRT-781 SRT-782 SRT-783	Open the Segment Configuration dialog. Observe the dialog state without any configuration changes. Add a new segment with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the segment to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
61		Open the Manufacturer Configuration dialog. Observe the dialog state without any configuration changes. Add a new manufacturer with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
62	SRT-781 SRT-782 SRT-783	Open the Map Shield Configuration dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error,	☐	☐

		Add a new map shield with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the map shield to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
63		Open the Map View Configuration dialog. Observe the dialog state without any configuration changes. Add a new map view with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
64	SRT-781 SRT-782	Open the Queue Settings dialog. Observe the dialog state without any configuration changes. Modify the queue settings to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐
65	SRT-781 SRT-782 SRT-783	Open the Station Configuration dialog. Observe the dialog state	When an operator is using a configuration dialog and an added or modified item does not have a validation error,	☐	☐

		without any configuration changes. Add a new station with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the station to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
66	SRT-781 SRT-782 SRT-783	Open the RWIS Threshold Configuration dialog. Observe the dialog state without any configuration changes. Add a new threshold with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added are displayed to the user.	☐	☐
67	SRT-781 SRT-782 SRT-783	Open the Ramp Metering Controller Configuration dialog. Observe the dialog state without any configuration changes. Add a new ramp metering controller with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save	☐	☐

		Correct the invalid configuration. Save the changes. Modify the ramp metering controller to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
68	SRT-781 SRT-782	Open the Remote Center Configuration dialog. Observe the dialog state without any configuration changes. Add a new remote center with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the remote center to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐
69	SRT-781 SRT-782 SRT-783	Open the Reporting Configuration dialog. Observe the dialog state without any configuration changes. Add a new report group with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐

		Add a new report with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	Validation errors unrelated to the item being added are displayed to the user.		
70	SRT-781 SRT-782 SRT-783	Open the Availability Status Configuration dialog. Observe the dialog state without any configuration changes. Add a new availability status with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the availability status to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
71	SRT-781 SRT-782 SRT-783	Open the Beat Configuration dialog. Observe the dialog state without any configuration changes. Add a new beat with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the beat to have invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes.			
72	SRT-781 SRT-782 SRT-783	Open the Geofence Configuration dialog. Observe the dialog state without any configuration changes. Add a new geofence with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the geofence to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
73	SRT-781 SRT-782 SRT-783	Open the Operator Configuration dialog. Observe the dialog state without any configuration changes. Add a new operator with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the operator to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
74	SRT-781	Open the Radio Configuration dialog.	When an operator is using a configuration dialog and an	☐	☐

	SRT-782 SRT-783	Observe the dialog state without any configuration changes. Add a new radio with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the radio to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
75		Open the Telephone Configuration dialog. Observe the dialog state without any configuration changes. Add a new telephone with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
76	SRT-781 SRT-782 SRT-783	Open the Vehicle Agency Configuration dialog. Observe the dialog state without any configuration changes. Modify the vehicle agency to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐

			Validation errors unrelated to the item being modified are displayed to the user.		
77	SRT-781 SRT-782 SRT-783	Open the Vehicle Configuration dialog. Observe the dialog state without any configuration changes. Add a new vehicle with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the vehicle to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
78	SRT-781 SRT-782 SRT-783	Open the Safety Barrier Configuration dialog. Observe the dialog state without any configuration changes. Add a new safety barrier with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the safety barrier to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
79	SRT-781	Open the System Settings Configuration dialog.	When an operator is using a configuration dialog and a	☐	☐

	SRT-782	Observe the dialog state without any configuration changes. Modify the system settings to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.		
80	SRT-781 SRT-782 SRT-783	Open the Detector Thresholds Configuration dialog. Observe the dialog state without any configuration changes. Add a new detector threshold with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the detector threshold to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
81	SRT-781 SRT-782 SRT-783	Open the Detector Configuration dialog. Observe the dialog state without any configuration changes. Add a new detector with invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the	☐	☐

		Correct the invalid configuration. Save the changes. Modify the detector to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
82	SRT-781 SRT-782 SRT-783	Open the Link Threshold Configuration dialog. Observe the dialog state without any configuration changes. Add a new link threshold with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the link threshold to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
83	SRT-781 SRT-782 SRT-783	Open the Link Configuration dialog. Observe the dialog state without any configuration changes. Add a new link with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐

		Modify the link to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	Validation errors unrelated to the item being added or modified are displayed to the user.		
84	SRT-781 SRT-782	Open the TSS System Settings Configuration dialog. Observe the dialog state without any configuration changes. Modify the settings to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐
85	SRT-781 SRT-782 SRT-783	Open the Traffic Signal Route Configuration dialog. Observe the dialog state without any configuration changes. Add a new traffic signal route with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the traffic signal route to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
86		Open the Destinations Configuration dialog. Observe the dialog state	The dialog does not have UI validation. The requirements do not apply.	☐	☐

		without any configuration changes. Add a new destination with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.			
87	SRT-781 SRT-782 SRT-783	Open the TVT Device Template Configuration dialog. Observe the dialog state without any configuration changes. Add a new device template with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the device template to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
88	SRT-781 SRT-782 SRT-783	Open the TVT Message Template Configuration dialog. Observe the dialog state without any configuration changes. Add a new message template with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the message template to have invalid	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or	☐	☐

		configuration. Attempt to save. Correct the invalid configuration. Save the changes.	modified are displayed to the user.		
89	SRT-781 SRT-782 SRT-783	Open the Travel Time Options Configuration dialog. Observe the dialog state without any configuration changes. Modify the options to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐
90	SRT-781 SRT-782 SRT-783	Open the Travel Time Links Configuration dialog. Observe the dialog state without any configuration changes. Add a new travel time link with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the travel time link to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
91	SRT-781 SRT-782 SRT-783	Open the Travel Time Thresholds Configuration dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error,	☐	☐

		Add a new travel time threshold with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the travel time threshold to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
92	SRT-781 SRT-782 SRT-783	Open the Truck Parking Facility Configuration dialog. Observe the dialog state without any configuration changes. Add a new truck parking facility with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the truck parking facility to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
93	SRT-781 SRT-782 SRT-783	Open the Truck Parking Facility Verification Configuration dialog. Observe the dialog state without any configuration changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action.	☐	☐

		Add a new truck parking facility verification with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the truck parking facility verification to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
94	SRT-781 SRT-782 SRT-783	Open the Users and Groups Configuration dialog. Observe the dialog state without any configuration changes. Add a new user with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the user to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Add a new group with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Modify the settings to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.			
95	SRT-781 SRT-782 SRT-783	Open the Video Destination Configuration dialog. Observe the dialog state without any configuration changes. Add a new video destination with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the video destination to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
96	SRT-781 SRT-782 SRT-783	Open the Video Source Configuration dialog. Observe the dialog state without any configuration changes. Add a new video source with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the video source to have invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes.			
97	SRT-781 SRT-782 SRT-783	Open the Video Tour Configuration dialog. Observe the dialog state without any configuration changes. Add a new video tour with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the video tour to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
98	SRT-781 SRT-782 SRT-783	Open the Virtual Wall Layout Configuration dialog. Observe the dialog state without any configuration changes. Add a new virtual wall with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the virtual wall to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

99		Open the Workstations Configuration dialog. Observe the dialog state without any configuration changes. Add a new workstation with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
100	SRT-781 SRT-782	Open the Event List dialog. Open the event list settings popup. Observe the dialog state without any configuration changes. Modify the settings to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and a modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on a modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog.	☐	☐
101	SRT-781 SRT-782 SRT-783	Open the Predefined Plan Configuration dialog. Observe the dialog state without any configuration changes. Add a new predefined plan with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the predefined plan to have invalid configuration. Attempt to save.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

		Correct the invalid configuration. Save the changes.			
102		Open the User Preferences dialog. Observe the dialog state without any configuration changes. Modify the user preferences to have invalid configuration. Save. Correct the invalid configuration. Save the changes.	The dialog does not have UI validation. The requirements do not apply.	☐	☐
103	SRT-781 SRT-782 SRT-783	Open the Scheduled Actions dialog. Observe the dialog state without any configuration changes. Add a new schedule. Modify the schedule to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐
104	SRT-781 SRT-782 SRT-783	From the Scheduled Actions dialog, add a new scheduled item with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. From the Scheduled Actions dialog, modify the scheduled	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save	☐	☐

		item to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.		
105	SRT-781 SRT-782 SRT-783	Open the Action List Configuration dialog. Observe the dialog state without any configuration changes. Add a new action list with invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes. Modify the action list to have invalid configuration. Attempt to save. Correct the invalid configuration. Save the changes.	When an operator is using a configuration dialog and an added or modified item does not have a validation error, the software allows the user to initiate the save action. If there is a validation error on an added or modified item, the validation error takes precedence, prevent the save action, and be shown to the user over validation errors for other items in the dialog. Validation errors unrelated to the item being added or modified are displayed to the user.	☐	☐

Test End Date/Time	
FDOT Witness	
SwRI Witness	

15. *IC-13: JIRA Issues*

15.1 Objectives

The objective of this integration case is to test JIRA issues that are resolved in the 8.2 Release.

15.2 Requirements to be tested

There are no requirements associated with the JIRA issues.

15.3 Test Approach

The following is a brief description of the test procedures that will be used to test this integration case:

- A workstation will run through different scenarios to test Footprints issues that have been resolved.
- Test cases will be run against a system with an Oracle database and a SQL Server database. In order to pass the test step, both systems must successfully execute the test step. Notes will be made if a test step fails indicating the system and type of failure.

15.4 Test Descriptions

The following sections detail the tests to be performed.

15.5 JIRA Issues to be tested

- SG-6371 - SetOpStatusResp RefID does not match request
- SG-6353 - Wrong Way Alert Image Slideshow Not Panning Through Images
- SG-6334 - Editing the TEXT for RPG isn't matching what you typing
- SG-6294 - GovComm alerts not showing
- SG-6226 - Change Password isn't working
- SG-6027 - Datapath Video Wall integration

15.5.1 SG-6371 - SetOpStatusResp RefID does not match request

Reporting District: District 6

When a setOpStatusReq was submitted with a refid of OTMTEST32 at 12:24 PM, the refid in the response was (has refid of ids2097).

When I look in the log, I don't see the original request (I only had the VehicleAlertDriver in slDetail logging). It seems that IDS is translating the request, because I do see:

Without a matching RefID, we can't match the response to the request and we end up timing out waiting for it. Is there a workaround or a quick fix for this?

Log file attached.

The following sections detail the tests to be performed.

Subsystems Required

- IDS
- Vehicle Alert Driver

Devices Required

- Simulated vehicle alert device

Configuration Required

- N/A

Test Procedure

Test Start Date / Time	

Perform the following steps from a workstation:

	Test Steps	Previous Result	Expected Result	P	F
1	Manually change the device status of the Vehicle Alert to Active.	No success or error message would appear for changing the op status in the status bar.	A success or error message appears in the status bar for changing the op status.	☐	☐
2.	Kill the simulator and wait for the op status to change.	The op status would never change.	The op status response is sent and the op status is able to update in the map.	☐	☐

Test End Date & Time	
FDOT Witness	
SwRI Witness	

15.5.2 SG-6353 - Wrong Way Alert Image Slideshow Not Panning Through Images

Reporting District: District FTE

When a Wrong Way Alert comes into Sunguide, the pop up used to have a slideshow through the images that were sent. Now it just stays on the first one, with no automated progression from image to image.

The following sections detail the tests to be performed.

Subsystems Required

- CNA
- EM
- IDS
- SAA
- Databus
- Vehicle Alert Driver

Devices Required

- Simulated vehicle alert device

Configuration Required

- Create a WWD Vehicle Alert with snapshots

Test Procedure

Test Start Date / Time	

Perform the following steps from a workstation:

	Test Steps	Previous Result	Expected Result	P	F
1	Open Vehicle Alert Dialogue box (it should open on its own if not already open). Slideshow should be playing. Press Pause, button should change to Play button, and Slideshow should stop. Press Next button, next image should be brought up. It should remain paused. Press Previous button, previous image should be brought up. It should remain paused. Press Play, Slideshow should start. Press Next and Previous, image should move in that direction, but Slideshow should keep moving. Click on images on the bottom of Slideshow. Play and Pause should not toggle when this happens. Trigger more vehicle alerts. Close and reopen dialogue. Carousel should continue to move with the selected alert.	Initial image was shown but the previous and next button did not work. Images did not cycle in the slideshow.	Images cycle in the slideshow. Next and Previous buttons cycle the image. Clicking the image below the Slideshow causes the image to be shown in the slideshow.	☐	☐

Test End Date & Time	
FDOT Witness	
SwRI Witness	

15.5.3 SG-6334 - Editing the TEXT for RPG isn't matching what you typing

Reporting District: *District 4*

When you create a response plan and it tells you the message won't fit on the sign then you correct it and accept the message and let's say you would like to edit again once more in the second windows, what you typing is not corresponding to your entry. In the picture RPG3, I typed "This is a test" see how it is coming out.

The following sections detail the tests to be performed.

Subsystems Required

- CNA
- EM
- DMS
- MAS
- Databus

Devices Required

- NA

Configuration Required

- A small sign that would not fit on a given response plan.

Test Procedure

Test Start Date / Time	

Perform the following steps from a workstation:

	Test Steps	Previous Result	Expected Result	P	F
1	Create an event and get a suggestion for a DMS that has a message which doesn't fit. Accept the suggested message for the sign that doesn't fit. Edit a new message to fit to add it to the plan. Once it is part of the current items, edit the message for the DMS again.	The cursor would jump around while you were editing the current plan message.	The cursor does not move around while editing the current plan message.	☐	☐

Test End Date & Time	
FDOT Witness	
SwRI Witness	

15.5.4 SG-6294 – poll handler was null when trying to create the alert message.

Reporting District: *District 1*

When testing with GovComm, the alerts are making it to the driver but an error is preventing them from going to IDS.

The following sections detail the tests to be performed.

Subsystems Required

- CNA
- EM
- IDS
- SAA
- Databus
- Vehicle Alert Driver

Devices Required

- Simulated GovComm Wrong Way Driving Device

Configuration Required

- NA

Test Procedure

Test Start Date / Time	

Perform the following steps from a workstation:

	Test Steps	Previous Result	Expected Result	P	F
1	Create an alert from the GovComm sim. Check the Operator Map and verify an alert makes it to the Map. Resolve the alert.	No alert would be generated on the map.	A WWD alert is created.	☐	☐

Test End Date & Time	
FDOT Witness	
SwRI Witness	

15.5.5 SG-6226 - Change Password isn't working

Reporting District: District 1

I have a test user called operator that I didn't enable SSO and the current password is the same that I'm able to login to the map with and I can confirm that the new password and re-enter password is the same. This is true for a few users that do not have SSO enable and that couldn't change their passwords.

The following sections detail the tests to be performed.

Subsystems Required

- SAA
- Databus

Devices Required

- NA

Configuration Required

- NA

Test Procedure

Test Start Date / Time	

Perform the following steps from a workstation:

	Test Steps	Previous Result	Expected Result	P	F
1	Login in as a SunGuide user. From the context menu System -> Change Password, try to change the password for the user.	The button would never enable to save the new password.	The operation completes successfully.	☐	☐

Test End Date & Time	
FDOT Witness	

SwRI Witness	

15.5.6 SG-6027 - Datapath Video Wall integration

Reporting District: District 3

This issue will track the inclusion of the Datapath Video Wall Driver.

The following sections detail the tests to be performed.

Subsystems Required

- NA

Devices Required

- NA

Configuration Required

- NA

Test Procedure

Test Start Date / Time	

Perform the following steps from a workstation:

	Test Steps	Previous Result	Expected Result	P	F
1	NOT TESTABLE. SwRI is including this in a release officially. SwRI does not have the hardware to test this issue.			☐	☐

Test End Date & Time	
FDOT Witness	
SwRI Witness	

16. Notes