

Software Integration Case Procedures

	Requirement Number	Test Steps	Expected Result	P	F
104	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Connected Vehicles >> RSE Configuration.</p> <p>Add a new RSE and save the device.</p> <p>Configure new detection zones.</p> <p>Confirm a TSS detector was also created with the same name.</p>	Dialog can create RSE devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
105	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Connected Vehicles >> Traveler Advisories.</p> <p>Add a new TAM to the system and assign it to the RSE.</p> <p>View the TAM in the Traveler Advisory Messages dialog.</p>	TAMs can be created and assigned to RSEs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
106	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Connected Vehicles >> RSE Status.</p> <p>Select an RSE and change the operational status to Out of Service. Change the Status back to Active.</p> <p>View the TAMs assigned to this RSE.</p>	RSE status can be changed and current TAMs assigned be seen.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
107	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select DMS >> Travel Time Messages >> Off.</p> <p>Check the MAS queues for the DMS signs and wait for the current TvT messages to expire.</p> <p>From the Operator Map, right click to access the context menu and select DMS >> Travel Time Messages >> On.</p> <p>Check the MAS queues for the DMS signs and wait for the current TvT messages to be sent to the sign.</p>	Systemwide Travel Time message generation can be toggled from the Operator Map.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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108	<p>FEAT1.2.31</p> <p>FEAT1.2.32</p> <p>VANGUARD FANS - OK, NO STARS</p> <p>LAMPS - FAILED BY SIM</p> <p>PIXELS - TIMEOUT (CRASH SIM)</p> <p>TEMP - OK</p>	<p>From the Operator Map, right click to access the context menu and select DMS >> Device Status.</p> <p>Select a DMS. Note the status values in the bottom panel. Note the MAS queue in the bottom panel.</p> <p>Set the Op Status to Out of Service.</p> <p>Set the Op Status to Active.</p> <p>Refresh the status of the sign.</p> <p>Add a message to the DMS.</p> <p>Add a second message to the DMS.</p> <p>Merge the two messages.</p> <p>Unmerge the two messages.</p> <p>Blank the MAS queue for the DMS sign.</p> <p>Run a Detailed Status for Fans.</p> <p>Run a Detailed Status for Lamps.</p> <p>Run a Detailed Status for Pixels.</p> <p>Run a Detailed Status for Power.</p> <p>Run a Detailed Status for Temperature.</p> <p>Set Brightness for the sign.</p> <p>Execute an Echo Message command.</p> <p>Execute a Synchronize Clock command.</p> <p>Execute an Exercise Shutters Command.</p> <p>Execute a Reset Controller command.</p>	<p>Each command should complete successfully. DMS dialog, while different from the 5.1.1 version of the dialog, has the same functionality as before.</p> <p>NOT HANDLED BY DMS SUBSYSTEM</p>	<input type="checkbox"/>	<input type="checkbox"/>

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109	FEAT1.2.31 FEAT1.2.32	From the Operator Map, right click to access the context menu and select DMS >> Message Libraries. Add a new folder. Add a new message. Modify a message. Delete a message. Move an existing message by dragging to a different folder.	Message can be added, modified, deleted, and moved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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110	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select EM >> Add New Event.</p> <p>Select an event type, notifying agency, notifying contact and status.</p> <p>Select Add Event.</p> <p>Verify a new event is created.</p> <p>Confirm status, date created, owner, and last updated time is correct.</p> <p>Add, modify, and delete a contact to the event.</p> <p>Note the event chronology.</p> <p>Set the event location. Save. Modify the event location and save.</p> <p>Set a congestion head and tail. Save. Modify the congestion head and tail. Save.</p> <p>Note the event chronology.</p> <p>Set Lane Blockage. Save. Remove Lane Blockage. Save.</p> <p>Note the event chronology.</p> <p>Set an anticipated clearance and the FL_ATIS severity. Save.</p> <p>Note the event chronology.</p> <p>Change the notifying agency and contact.</p> <p>Dispatch, arrive, select an activity, and depart a Road Ranger.</p> <p>Add a procedural error.</p>	<p>A new event will be created.</p> <p>Fields of the event behave in the same way as the previous version of the dialog.</p> <p><i>EM CANNOT DISPATCH RR</i></p>	<input type="checkbox"/>	<input type="checkbox"/>

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111	FEAT1.2.31 FEAT1.2.32	<p>For the event above:</p> <p>Set an FHP number.</p> <p>Change the event type and check HAZMAT. Save the event.</p> <p>Clone the event.</p> <p>Set the nearest CCTV.</p> <p>Add an involved vehicle.</p> <p>Link the event to a primary and secondary event. Save.</p> <p>Set injuries and weather conditions.</p> <p>Add a comment.</p> <p>Note the event chronology.</p> <p>Set a responder to notified, on scene, and departed.</p>	<p>FHP INC. # NOT SAVED</p> <p>Fields of the event behave in the same way as the previous version of the dialog.</p> <p>SRL NOT SAVING TIMESTAMPS</p>	<input type="checkbox"/>	<input type="checkbox"/>
112	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select EM >> Event List.</p> <p>Open an event from the list.</p>	<p>Events are able to be displayed from the event list.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
113	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Express Lanes.</p> <p>For a segment, change the selected mode to manual, give it a price, and watch the sign change attempts.</p> <p>Change the selected mode to closed and watch the sign change attempts.</p> <p>Add a middleware rate adjustment.</p>	<p>SKIPPED PENDING ADMIN FIXES</p> <p>Segments are able to be put into different modes and the signs will attempt to sync the DMSs appropriately.</p>	<input type="checkbox"/>	<input type="checkbox"/>

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114	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select HAR >> HAR Status.</p> <p>Add a message to the HAR queue.</p> <p>Activate the beacons on the HAR.</p> <p>Set the Op Status to Out of Service.</p> <p>Set the Op Status to Active.</p> <p>Blank the HAR queue.</p>	HAR functionality remains the same but in a new dialog format.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
115	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Incident Detection >> Systemwide VisioPad Detection.</p> <p>Disable Systemwide detection.</p> <p>From the Operator Map, right click to access the context menu and select Incident Detection >> VisioPad Camera Detection Status. Verify the current detection status.</p> <p>From the Operator Map, right click to access the context menu and select Incident Detection >> Systemwide VisioPad Detection.</p> <p>Enable Systemwide detection.</p> <p>Verify the current detection status.</p>	VisioPad detection can be enabled and disabled from the Operator Map context menu.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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116	FEAT1.2.31 FEAT1.2.32	<p>Make sure there are several types of equipment added from multiple vendors.</p> <p>From the Operator Map, right click to access the context menu and select Inventory and Maintenance >> Inventory.</p> <p>Filter the list and verify filters appropriately filter the data.</p> <p>Sort the list by one of the available sort options. Verify the data is appropriately sorted.</p> <p>Click on printable version, and verify the data in the printable version matches the data in the dialog.</p>	<p>Inventory is displayed to the user and the filters correctly filter the data.</p> <p>A printable report can be created from the data.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
117	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Reports.</p> <p>Select a report and run the report.</p> <p>Verify the report is generated.</p>	<p>Reports are generated in the same way as the previous version.</p>	<input type="checkbox"/>	<input type="checkbox"/>
118	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Roadside Weather Systems.</p> <p>Select an RWIS and view the simulated data.</p> <p>Set the status of the device to Out of Service.</p> <p>Set the status of the device to Active.</p>	<p>RWIS dialog displays the current data set and the operational status can be changed.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Reports need further clarification as to desired parameters. Current set of reports is not known to be valid against the 6.0 system.

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119	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Safety Barriers.</p> <p>Set the status of the device to Out of Service.</p> <p>Set the status of the device to Active.</p> <p>Using the simulator, generate an alert for a safety barrier.</p> <p>Note that Status of the Safety Barrier.</p> <p>Clear the alert.</p> <p>Note the Status of the Safety Barrier.</p>	Safety Barrier dialog displays the current data set and the operational status can be changed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
120	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Traffic Detection >> Detector Status.</p> <p>Set the status of the device to Out of Service.</p> <p>Set the status of the device to Active.</p>	Detector dialog displays the current data set and the operational status can be changed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
121	FEAT1.2.31 FEAT1.2.32	<p>Using the Admin Editor, add a TSS link with lanes.</p> <p>From the Operator Map, right click to access the context menu and select Traffic Detection >> Edit Link Placement.</p> <p>Route the newly created link.</p> <p>Move the points of a link that is already mapped.</p> <p>Delete the mapping of a link that is already mapped.</p> <p>Save the Link Placement.</p>	Users are able to edit the link placement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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122	FEAT1.2.31 FEAT1.2.32	<p>Ensure Travel Times are currently being generated systemwide and displaying on the DMS signs.</p> <p>From the Operator Map, right click to access the context menu and select Travel Times.</p> <p>Disable travel times systemwide.</p> <p>Verify the status of the travel times on the signs in the Travel Times dialog.</p> <p>Enable travel times systemwide.</p> <p>Verify the status of the travel times on the signs in the Travel Times dialog.</p> <p>Disable a single travel time.</p> <p>Verify the status of the travel times on the signs in the Travel Times dialog.</p> <p>Enable a single travel time.</p> <p>Verify the status of the travel times on the signs in the Travel Times dialog.</p>	<p>Travel time and associated DMS status are available in the Travel Times dialog.</p> <p>Travel time generation can be enabled and disabled on a systemwide basis.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
123	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Video Switching >> Video Tour.</p> <p>Drop a Source on a shared display.</p> <p>Drop a Tour on a shared display.</p>	<p>START TEST</p> <p>The shared displays attempt to switch to one of the sources.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
124	FEAT1.2.31 FEAT1.2.32	<p>From the Operator Map, right click to access the context menu and select Video Switching >> Video Tour.</p> <p>Add a new tour.</p> <p>Name the tour, set a description, and select multiple cameras for the tour.</p> <p>Save the tour.</p> <p>Edit the same tour.</p> <p>Delete the tour.</p>	<p>Tours can be added, modified and deleted through the dialog.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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125	FEAT1.2.31 FEAT1.2.32	From the Operator Map, right click to access the context menu and select Video Switching >> Video Wall Layout. Create a virtual Video Wall, adding sources as needed. Save the layout.	Virtual Video Walls can be created.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
126	FEAT1.2.31 FEAT1.2.32	Using XML Test Client, mimic the Barco Driver and connect to the VWS. Send the appropriate configuration requests to populate the video wall. From the Operator Map, right click to access the context menu and select Video Switching >> Video Wall Control. Drop a camera on a destination. Verify the request is received in the XML Test Client. Mimic the successful response for the request. Verify the status in the dialog.	Cameras are able to be dropped on the destination and a request is sent to the Barco system to change the source.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
127	FEAT1.2.31 FEAT1.2.32	From the Operator Map, right click to access the context menu and select VSL Segment Status. Select an existing VSL group. Enable the group. Disable the group.	VSL groups are selectable and their status can be selected.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
128	FEAT1.2.31 FEAT1.2.32	Verify there are valid position updates being entered via the SPARR simulator. From the Operator Map, hover over a Road Ranger Vehicle icon.	Road Ranger status will be shown including position and speed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
129	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a Camera icon.	The camera name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
130	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a DMS icon.	The DMS name, status, and current message will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
131	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over an Event icon.	The Event number, status, and event details will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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132	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a HAR icon.	The HAR name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
133	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a Ramp Meter Controller icon.	The Ramp Meter Controller name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
134	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a RSE icon.	The RSE name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
135	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a Safety Barrier icon.	The Safety Barrier name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
136	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a Detector icon.	The Detector name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
137	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a link icon.	The link name and SOV status of available lanes will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
138	FEAT1.2.31 FEAT1.2.32	From the Operator Map, hover over a RWIS icon.	The RWIS name and status will be shown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Test End Date & Time	
FDOT Witness	
SwRI Witness	