

AE IV&V Test Case TO8_0009

Revision History

Rev. No.	Date	By	Description of Changes
1	4/15/08	Susan Williams	Initial version

1. TEST CASE IDENTIFIER

TO8_0009

2. NARRATIVE

The objective of this test case is to add new site localization to CAVE.

Currently, the only functionality available for localizing is the local radar, dial radars, and some Satellite menu configuration. Other site localization functionality, including the Volume Browser, Skew-T, Sunrise/Sunset tools, among others, has not been set up for localizing at this time.

3. REFERENCES (Optional)

None

4. FEATURES TO BE TESTED

Verify site localization has been changed.
Verify data is available through the site localization menus, i.e. are current "Green times" available?
Verify data displays in CAVE upon selecting a product from the localized menus.

5. SETUP INSTRUCTIONS

Step	Setup Procedure	Result
1	Verify data is being ingested (sample or live)	

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Step	Setup Procedure	Result
2	CAVE, EDEX, ADE installed on Server and processes running.	Need to complete test case on Server, if not already complete, before the test case is completed on the Client.
3	CAVE installed on Client	Complete test case on Client after it has been completed on the Server.

6. ACCEPTANCE CRITERIA

Step(s)	Criteria	Result
1-3	Remote Client site localization setup works on CAVE.	
1-9	Server site localization setup works on CAVE.	
10	Local radar menu button is available for site localization (refer to the <i>Note</i> .)	
11	Local radar data is accessible and displays in CAVE using the new site localization menu button.	

7. TESTING PROCEDURE

Step	Procedure	Expected Result	Actual Result
1	<p>Create site localization map backgrounds for WFO, State(s), and Regional scales.</p> <p>This step can be completed in two ways:</p> <ol style="list-style-type: none"> a. Select Map Projection... from the CAVE->New button on the CAVE toolbar. Enter in the exact coordinates for the desired lat/lon map background projection. Select OK. b. Use the Zoom and Pan features on the CAVE toolbar to zoom and pan into the desired map background location. The scroll button on the "Mouse", if available, works best for 	Map background projections are identified for the WFO, State(s), and Regional scales.	

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Step	Procedure	Expected Result	Actual Result
	zooming into the desired location.		
2	<p>Save each map background projection, from Step 1, as a bundle by selecting CAVE->Procedures->Save Bundle... Save the files as follows in the .../etc/bundles directory under "Browse for other folders" and then select OK:</p> <ul style="list-style-type: none"> a. WFO map background = XXX-wfo.xml b. State(s) map background = XXX-states.xml c. Regional map background = XXX-regional.xml <p><i>Note: When saving the bundles, the XXX needs to match Step 7, part c below.</i></p>	Map background projections for each scale, listed in Step 1, are saved as .xml files in the .../etc/bundles directory in CAVE.	
3	Edit each new .xml file created in Step 2 from the .../etc/bundles directory in CAVE. Replace the 3 rd line from the top "<scale>WFO</scale>", for example, with "<scale>XXX-wfo</scale>". Make sure to leave off the .xml between the <scale></scale> commands. Save each file.	The <scale></scale> commands in each .xml file are edited with the new file names. Allows CAVE to identify the new map background scales.	
	End of Client set up...Server set up continues...		
4	<p>Create and save a new procedure.</p> <ul style="list-style-type: none"> a. Load each new bundle into CAVE. Swap the bundles between the panes to configure how the site will localize upon starting CAVE. b. Save the Procedure as "default-procedure.xml.xxx" in the .../cave/etc directory by selecting CAVE->Procedures->Save Procedure. 	A new procedure is created which will be used to localize the site upon starting CAVE.	
5	Edit the /cave_config/site/ directory under /edex/opt/data/utility/.	The edited config.xml files give the site localization WFO	

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Step	Procedure	Expected Result	Actual Result
	<ul style="list-style-type: none"> a. Create a new site localization directory, i.e. kbou. b. Copy the com.raytheon.viz.core and com.raytheon.viz.warngen directories from another site directory to the newly created site directory. c. Within each directory, edit the "config.xml" file with the new site directory's WFO information. d. Save the "config.xml" file. 	information when starting WarnGen (not yet available to localize) and when looking at the Site Preferences under the CAVE menu.	
6	Edit the /cave_static/site/ directory under /edex/opt/data/utility/. <ul style="list-style-type: none"> a. Create a new site localization directory, i.e. kbou. b. Copy all files and the colormaps directory from another site to the new site directory. c. Within the colormaps/site/ directory, copy the current site directory to the new site directory, i.e. kbou. d. Within the /cave_static/site/"new site" directory, copy the "default-procedure.xml.xxx" file from /cave/etc/ to the new site directory and then copy this file to "default-procedure.xml" and to "default-bundle.xml". 	The new site directory contains the colormaps directory and the .xml files needed for site localization upon starting CAVE.	
7	Edit the /cave_plugin/site/ directory under /edex/opt/data/utility/. <ul style="list-style-type: none"> a. Create a new site localization directory, i.e. kbou. b. Copy the com.raytheon.viz.site_1.0.0 directory from another site directory to the newly created site directory. c. Edit the "plugin.xml" file within the /"new site"/com.raytheon.viz.site_1.0.0 directory by completing the following 	The plugin.xml file is edited with the new site localization parameters.	

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Step	Procedure	Expected Result	Actual Result
	<p>steps:</p> <ol style="list-style-type: none"> a. Change the Regional, State(s), and WFO scales to point to the .xml bundles created previously in the /cave/etc/bundles directory. When making the changes, leave off the .xml from the file name. <ol style="list-style-type: none"> i. For example, in the Regional scale section, change the "value=": <ol style="list-style-type: none"> 1. id ="Regional" label ="Regional"> <parameter name="scale" value="Regional"> </parameter> To- id ="Regional" label ="Regional"> <parameter name="scale" value="XXX- regional"> </parameter> (where XXX is the XXX in the .xml file names created in the /cave/etc/bundles directory) b. From the site that the directory was copied from, refer to Step 7, part b above, 		

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Step	Procedure	Expected Result	Actual Result
	<p>change the reference from the old site to the new site throughout the plugin.xml file, i.e. change from "koax" to "kftg". Using "find and replace" works well for these changes. To add more local radars, simply copy everything starting with the first name change from, for example "koax" to "kftg", to the last name change and then paste after the newly added local radar, i.e. "kftg".</p> <p>c. Within the plugin.xml file, the Dial Radars, Skew-T (currently cannot localize the Skew-T), WarnGen (currently can not localize WarnGen), and the Satellite menu, among others, can also be localized.</p>		
8	<p>Start CAVE from the /cave directory.</p> <ol style="list-style-type: none"> a. Select the CAVE->Preferences... menu. <ol style="list-style-type: none"> a. Select Localization <ol style="list-style-type: none"> i. Change "Site:" to the desired site localization, must match the new site localization directories created in the /edex/opt/data/utility directory. ii. Select Apply, then select OK. iii. Close CAVE. 	CAVE starts. Site localization is changed in the CAVE->Preferences... menu.	

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Step	Procedure	Expected Result	Actual Result
9	<p>Restart CAVE. Verify upon starting CAVE, that the line reads Localizing as: "user name"("site name")::Synchronized.</p> <ol style="list-style-type: none"> a. Select the CAVE->Preferences... menu b. Select Localization <ol style="list-style-type: none"> a. Verify the "Site:" is the new site localization c. Select -> on the left side of Localization and select Site Preferences <ol style="list-style-type: none"> a. Verify the Site Preferences are correct for the desired site localization. b. Select OK 	<p>CAVE restarts with new site localization.</p>	
10	<p>Verify the local radar menu button for the new site localization is visible on the right side of the Satellite menu button on the CAVE menu toolbar (also if any site localization changes were made to the Satellite menu, etc. within the plugin.xml file, see if these changes are visible).</p> <p><i>Note: If menus do not show up after restarting CAVE, close CAVE and restart CAVE again. Sometimes it takes restarting CAVE a second time to see the menu changes. If the menus do not show up after restarting CAVE for a second time, then the plugin.xml* files in the cave/plugins/com.raytheon.viz.site_1.0.0 directory need to be removed. After these files are removed, restart CAVE.</i></p>	<p>Local Radar menu in CAVE is visible and set to the new site localization.</p> <p>Any additional changes to the site localization plugin.xml file are visible.</p>	
11	<p>Verify data for the local radar is accessible and displays, if not, may need to make</p>	<p>Local radar data displays and is accessible.</p>	

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Step	Procedure	Expected Result	Actual Result
	changes to the radar ingest to include the new site directory.		
12	Close CAVE.	CAVE closes.	
	End of test		