

# AE IV&V Test Case TO8\_9003

## Revision History

Rev. No.	Date	By	Description of Changes
0	4/18/08	Mike Rega	Initial version

## 1. TEST CASE IDENTIFIER

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TO8\_9003

## 2. NARRATIVE

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WFOs often customize WarnGen templates to meet local needs for the specific contents of short duration warning products. This test verifies that some of the most often customized items in WarnGen templates can be correctly customized.

## 3. REFERENCES (Optional)

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None

## 4. FEATURES TO BE TESTED

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Test the capabilities to change some of the most often customized items in WarnGen templates.

## 5. SETUP INSTRUCTIONS

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Step	Setup Procedure	Result
1.	Localization required for desired WFO	Local geography is available to WarnGen
2.	Knowledge of Linux command line use and a Linux text editor is required	WarnGen templates are customized

## 6. ACCEPTANCE CRITERIA

Step(s)	Criteria	Result
12.	Expected result required for success	
17.	Expected result required for success	
18.	Expected result required for success	
19.	Expected result required for success	
20.	Expected result required for success	
21.	Expected result required for success	
22.	Expected result required for success	

## 7. TESTING PROCEDURE

Step	Procedure	Expected Result	Actual Result
1.	Start CAVE, zoom to CWA scale	County boundaries display	
2.	Start the text workstation (in TO8, use 'CAVE' menu, 'New' option, select 'Text Workstation')	Text workstation windows display	
3.	From the "maps" menu, plot CWA boundaries, use MB3 on the CWA product label to change color	CWA boundaries are displayed using the chosen color	
4.	From the 'maps' menu, plot the county names and cities	County names and cities are displayed on CAVE	
5.	Load a radar reflectivity image (optional)	The radar image appears on CAVE	
6.	Launch WarnGen	WarnGen GUI appears, 'drag me to storm' point appears on CAVE	
7.	Select the SVR product type, single storm cell	GUI indicates the SVR selection	
8.	Use MB1 to move 'drag me to storm' to desired location	'drag me to storm' moves to specified location and default warning polygon with four vertices appears	
9.	Move back in time by one or more frames, use MB1 to adjust the storm track so it passes through the desired area	The storm track and polygon changes to the desired direction and speed	
10.	Return to the latest frame	'Drag me to storm' point moves to latest location	
11.	Create the desired polygon by using 'redraw box based on track', 'redraw box based on warned area' or manually modify polygon vertices	Polygon should change as desired, hatching and 'W' should indicate correct counties	
12.	Use 'create text' to create the work version of the product	The work version of the product should pop up in a new text editor window	
13.	Save the work product (created using baseline template) to compare with customized version created later in this procedure (for now, save a screen shot using the 'gimp' and print, TO8 products don't seem to store in fxtatext nor print from the text editor, see TTRs 61 and 78)	Product is preserved for later comparison	
14.	Open a Linux terminal window	Terminal window opens	

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Step	Procedure	Expected Result	Actual Result
15.	'cd' to the WarnGen template area, /home/username/cave/etc/warnngen – this may change in later TOs (TTR 103), Velocity templates have a 'vm' extension, configuration file associated with each template has a 'cfg' extension.	Present working directory changes	
16.	Use 'cp -p' command to backup the baseline versions of all 'vm' and 'cfg' files	Template backups are created	
16.	Use 'vi' (or any Linux text editor) to modify the durations in the cfg file	The template is changed	
17.	Repeat steps 6 through 12 above to create the custom product and compare it with the baseline version	Work version of the customized product is created	
18.	Repeat steps 6 through 17 above to make other template customizations, suggestions for some of the most often customized SVR and TOR items follow. When done, proceed to step 23.	Customized template created and tested	
19.	Modify first bullet items <ul style="list-style-type: none"> <li>- use 'portions' and 'extreme' parts of counties</li> <li>- include/exclude cities, limit number of cities in bullet</li> <li>- change % of the county that must fall within the polygon to be included in the warning</li> </ul>	Customized template created and tested	
20.	Modify third and fourth bullet items <ul style="list-style-type: none"> <li>- define distance for 'over' and 'near' a certain city</li> <li>- limit the number of cities included in the bullet</li> <li>- add new city or landmark to WarnGen geography database and change priority of an existing city (should be another test procedure)</li> </ul>	Customized template created and tested	
21.	Modify an existing CTA and add a new CTA	Customized template created and tested	
22.	Create a new WarnGen template and add it to the WarnGen menu	New WarnGen product added to menu	
23.	Use 'cp -p' to restore the baseline templates	The baseline templates are restored	
	End of test		