

AE IV&V Test Case TO9_9001

Revision History

Rev. No.	Date	By	Description of Changes
1	11/26/08	Mike Rega	Initial version

1. TEST CASE IDENTIFIER

TO9_9001

2. NARRATIVE

Verify that WarnGen allows the proper actions (REISSUE, COR, CAN, CON, EXP) during the entire warning life cycle.

3. REFERENCES (Optional)

None

4. FEATURES TO BE TESTED

Verify that WarnGen properly keeps track of currently active warnings during each phase of the warning life cycle. This involves issuing several SVRs and TORs for various durations. At frequent intervals during the warning life cycles, verify that WarnGen provides the proper followup options such as REISSUE, COR, CAN, CON, EXP for each active warning.

5. SETUP INSTRUCTIONS/PREREQUISITES

None

6. ACCEPTANCE CRITERIA

Step(s)	Criteria	Comments
1	All steps should be successfully performed.	

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7. TESTING PROCEDURE

Step	Procedure	Expected Result	Actual Result
1	Start CAVE, zoom to CWA scale	County boundaries display	
2	Start the text workstation	Text workstation windows display	
3	From the "maps" menu, plot CWA boundaries, county names and cities	CWA boundaries, county names and cities display	
4	Load a local radar reflectivity image	Current radar image displays	
5	Load the local warnings display	Local warning label displays, even if no warnings are currently active	
6	Launch WarnGen	WarnGen GUI appears, 'drag me to storm' dot appears	
7	Select TOR product, duration 30 minutes or longer	GUI shows TOR selected	
8	Adjust storm path, speed, polygon, be sure that at least two counties are included in the warning	Storm path, speed, polygon adjust accordingly	
9	Select desired optional bullets	GUI shows optional bullets selected	
10	Use "create text" to generate work version	Work version of product should appear in new text editor window	
11	Use "send"	The product should store in the fxatext database and be 'sent' on the AWIPS 'network', the EDEX log entries should show the product storage and send	
12	Repeat steps 7 through 11 and send a TOR for a different county	Same as above	
13	Verify that corrections can be issued for the TOR, use 'create text'. The COR should only allow changes in product wording, not allow changes in the geographic extent of the warning.	The COR option should be available and work correctly during only the first 10 minutes of the warning	

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Step	Procedure	Expected Result	Actual Result
14	Verify that the TOR can be reissued (NEW), this means issuing a new warning based on the original polygon/text.	The NEW option should be available and work correctly from 10 minutes after issuance until about 30 minutes after expiration	
15	Select SVS product, use 'create text' and 'send' the product	Verify correct GUI operation and product generation	
16	Verify that corrections can be issued for the SVS, the SVS should have no NEW option (REISSUE)	The COR option should be available and work correctly during only the first 10 minutes of the SVS	
17	Select SVS product, verify that the original warning can be continued (CON option)	The CON option should be available and work correctly from the warning issue time to 5 minutes before expiration	
18	Select SVS product, verify that a second CON can be created	Same as above	
19	Select SVS product, verify that a partial cancellation can be done (CON option), adjust polygon to remove one county from the warning (CAN)	The generated SVS should contain a CAN segment and a CON segment	
20	Select SVS product, verify that a full cancellation can be done (CAN)	The CAN option should be available and work correctly from the warning issue time to 10 minutes before expiration	
21	Select SVS product, verify that an expiration can be done (EXP) for the warning still in effect	The EXP option should be available and work correctly from 10 minutes before expiration to 10 minutes after expiration	
22	Repeat steps 7 through 21 for the SVR and associated SVS followup products	Same as above	
	End of test		