

Test Case Workstation_Modes_1.0

for the

AWIPS

Contract

DG133W-05-CQ-1067

DCN: AWP.TE.SWCTR/TO8-0017

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Revision History

Revision	Date	Affected Pages	Explanation of Change
1.0	5 December 07	ALL	Initial Release
2.0	17 January 08	3-4	PDT Redlines/NWS Comments
3.0	29 January 08	ALL	DT Redlines

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Table of Contents

1.0	SCOPE	1
2.0	APPLICABLE DOCUMENTS.....	2
2.1	Source Documents.....	2
2.2	Reference Documents.....	2
3.0	TEST CASE DESCRIPTION	3
3.1	Assumptions, Constraints and Preconditions	3
3.2	Recommended Hardware	3
3.3	Test Inputs	3
3.4	Test Outputs.....	3
4.0	TEST SCENARIO	4
5.0	REQUIREMENTS VERIFICATION TRACEABILITY MATRIX (RVTM).....	5

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Contract DG133W-05-CQ-1067; Test Case Workstation_Modes_1.0

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1.0 SCOPE

See Software Test Plan.

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2.0 APPLICABLE DOCUMENTS

2.1 Source Documents

- None

2.2 Reference Documents

- Software Test Plan for the Advanced Weather Information Processing System Project, Contract #DG133W-05-CQ-1067, 4 December 2007
- The AWIPS D-2D User's Manual Build 8.1
- Existing AWIPS 1 test procedures
- The VPN connection to the Silver Spring NWS AWIPS 1 test bed
- Release OB8.1 of the Weather Event Simulator (WES)

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Contract DG133W-05-CQ-1067; Test Case Workstation_Modes_1.0

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3.0 TEST CASE DESCRIPTION

This test case demonstrates the capability of CAVE to operate in normal, practice, and test modes. The full capability of demonstrating modes will require the ability to send out products. This test case also illustrates the use of a generalized time through the set time capability.

3.1 Assumptions, Constraints and Preconditions

- TO8 software has been installed successfully
- CAVE, EDEX and pgAdmin III are running
- At least 24 hours of data has been ingested
- The Text Workstation has been started

3.2 Recommended Hardware

See Software Test Plan.

3.3 Test Inputs

Section 4.0 below contains the test procedures for this test case. Sections 2.2 – 2.9 of the Software Test Plan contain general test inputs applicable to all TO8 test cases.

3.4 Test Outputs

The images and data will be displayed in CAVE.

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Contract DG133W-05-CQ-1067; Test Case Workstation_Modes_1.0

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4.0 TEST SCENARIO

Step	Action	Result	Pass/Fail
1.	Start CAVE.	CAVE starts in normal Operation Mode.	
2.	Through the CAVE preferences, set the workstation mode to Practice Mode. Then left mouse click on a menu item to activate the change.	Verify that CAVE is in Practice Mode by the change in the mode indicator (orange border).	
3.	Create a warning through WarnGen. Refer to test case WarnGen_1.0 if necessary. Verify that WarnGen shows the Practice Mode indicator. Also verify the warning text has the proper TEST wording.	A warning is created. The WarnGen window indicates it is in Practice Mode. The warning text contains the proper TEST wording and VTEC code 'T' mode.	
4.	Attempt to send the created warning.	Verify that the warning does not leave the system. (Note: this will not be fully verifiable until communication capability is complete in T011).	
5.	Change the workstation mode to Test Mode. Then left mouse click on a menu item to activate the change.	Verify that CAVE is in Test Mode by the change in the mode indicator (black border).	
6.	Create a warning through WarnGen and save it from the textWS window. Refer to test case WarnGen_1.0 if necessary. Verify that the Test Mode parameter is in the VTEC header of the warning. Also verify the warning text has the proper TEST wording.	A warning is created. The WarnGen window indicates it is in Test Mode. The warning text contains the proper TEST wording and VTEC code 'T' mode.	
Set Time Control			
7.	Change the workstation mode back to Operational Mode. Then left mouse click on a menu item to activate the change.	Verify that CAVE is in Operational Mode by the change in the mode indicator (grey border).	
8.	Select the "Set Time..." item on the Options menu and verify that the Set Time Dialog appears.	The 'Set Time' window appears.	
9.	Close the Set Time Dialog.	The 'Set Time' window closes.	
10.	Click on the Time display on the status bar at the bottom of CAVE and verify that the Set Time Dialog appears.	The 'Set Time' window appears.	
11.	Select the "Set Time" radio button on the Set Time Dialog. Specify a date and time within the last 24 hours by modifying the spinners. Note the new date. Date: _____	The date is modified.	
12.	Verify that the date is the modified date that was set.	The date reflects the modified date.	
13.	Request a gridded product. Verify the displayed product was from a previous model run.	The gridded product displays. The model data displays a date from a previous model run.	DR #874
14.	Set the time to at least a week in the past.	The date is modified.	
15.	Attempt to load the gridded data. Verify that the data does not load because it could not time match the data.	The gridded data fails to load. An error message is returned: 'Unable to time match resource'.	
16.	Set the time to the real time and load the gridded data. Verify that the data now loads.	The gridded data displays in CAVE.	DR #864
17.	Clear the panes within CAVE.	The panes display a blank map.	
	End of test.		

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5.0 REQUIREMENTS VERIFICATION TRACEABILITY MATRIX (RVTM)

Number	Description	Test Step(s)
CAVE_TO8_010	CAVE shall allow the user to select the workstation mode	2,5,7
CAVE_TO8_010.1	CAVE shall allow the user to put CAVE in a normal operational mode	1,7
CAVE_TO8_010.2	CAVE shall allow the user to put CAVE in a practice mode	2
CAVE_TO8_010.2.3	CAVE shall provide a Practice Mode indicator when the Practice Mode is activated	2
CAVE_TO8_010.3	CAVE shall allow the user to put CAVE in a test mode	5
CAVE_TO8_010.3.2	CAVE shall store text products in primary text database when in Test Mode	6
CAVE_TO8_010.3.4	CAVE shall provide a Test Mode indicator when the Test Mode is activated	5
CAVE_TO8_003.9	CAVE shall implement a standardized use of time	7-16

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