

Test Case Screen_Capture_1.0

for the

AWIPS

Contract

DG133W-05-CQ-1067

DCN: AWP.TE.SWCTR/TO8-0026

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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	3-5	PDT Redlines/NWS Comments
3.0	29 January 08	ALL	DT Redlines

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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
- Section 2.1.6.1 of the AWIPS D-2D User's Manual Build 8.1
- Existing AWIPS 1 test procedures:
 - ScreenCaptureUtility
 - 7.1-Baseline_D2D_Capture_1.4.1.13_V2
 - Baseline_Printing_OB8.1
- Release OB8.1 of the Weather Event Simulator (WES)

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3.0 TEST CASE DESCRIPTION

This test case demonstrates the screen capture capability for the CAVE workstation. This includes capturing and saving images of the CAVE application. This test case also demonstrates the capability of CAVE to print the display.

3.1 Assumptions, Constraints and Preconditions

- The TO8 software has been installed successfully
- CAVE, EDEX and pgAdmin III are running
- Test data has been ingested
- The workstation, with a compatible version of Linux, is connected to a working printer

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 and the Desktop
- Printed images will be processed through the attached printer

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4.0 TEST SCENARIO

Step	Action	Result	Pass/Fail
1.	Start CAVE.	CAVE opens.	
2.	Display any available product such as satellite, radar, surface plot, etc.	The selected product displays in the main window.	
3.	From the File menu, select 'Capture Window'.	The Window Capture window opens.	
4.	Enter 'ScreenCaptureTest(date)' for the File name. Select to save the image on the Desktop. Click the 'OK' button	The Window Capture window closes. A 'ScreenCaptureTest(date)' icon appears on the Desktop.	
5.	Open the 'ScreenCaptureTest(date)' icon on the Desktop and verify the image displayed in the main pane was captured and saved.	The captured image displays in a separate window.	
6.	Print the screen capture.	The screen capture prints from the attached printer.	
7.	Close the 'ScreenCaptureTest(date)' image.	The 'ScreenCaptureTest(date)' image closes.	
8.	In CAVE, click on 'File' and select 'Print'.	A 'Print' window opens.	DR #703
9.	Click the 'Print' button.	The 'Print' window closes. The main pane prints, including the displayed image.	DR #703
10.	Click the 'Clear' button.	The CAVE display clears.	
	End of test.		

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5.0 REQUIREMENTS VERIFICATION TRACEABILITY MATRIX (RVTM)

Number	Description	Test Step(s)
CAVE_TO8_022	CAVE shall contain a Printing capability	8,9
CAVE_TO8_022.1	CAVE shall allow the user to Print the main pane from the File menu	8,9
CAVE_TO8_023	CAVE shall contain a Screen Capture Capability	3-6
CAVE_TO8_023.1	CAVE shall allow the user to Capture the main pane from the File menu	3-6
CAVE_TO8_023.2	CAVE shall allow the user to save the Captured image to a location specified by the user	3-6

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