

Test Case Workstation_Bundles_History_1.0

for the

AWIPS

Contract

DG133W-05-CQ-1067

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Prepared for:

U.S. Department of Commerce
NOAA/NWS Acquisition Management Division
SSMC2, Room 17364
1325 East-West Highway
Silver Spring, MD 20910

Prepared by:

Raytheon Company
STC Office
6825 Pine Street
Omaha, NE 68106

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Submitted By:

Test Engineer

Date

Approved By:

Program Manager

Date

Mission Assurance Quality

Date

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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	iii, 4-8	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
- Sections 2.5, 2.5.1 and 2.5.2 of the AWIPS D-2D User's Manual Build 8.1
- Existing AWIPS 1 test procedures:
 - D2D_Procedures_1.4.1.5
- 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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3.0 TEST CASE DESCRIPTION

This test case illustrates how to create bundles, save, rename, delete and copy bundles from one procedure to another. This test case also demonstrates the capabilities of CAVE to record and display bundles used during operations recorded during the session within the History widget.

3.1 Assumptions, Constraints and Preconditions

- TO8 software has been installed successfully
- CAVE, EDEX and pgAdmin III are running
- Data has been ingested

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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4.0 TEST SCENARIO

Step	Action	Result	Pass/Fail
1.	Start CAVE.	CAVE loads on the monitor.	
2.	From the 'File' menu, select 'Procedures', and select 'New'.	A 'Procedure (untitled)' window opens.	
3.	Set the number of frames to 12 by selecting '12' from the 'Frames' pull down list.	The frames set to 12.	
4.	From the 'Satellite' menu, select 'IR Window'. Overlay at least one other available product such as lightning, METAR Station Plots, etc.	The products are displayed in the large pane. The created bundles will be recorded in the History List Dialog box.	
5.	From the 'File' menu, using mouse button (MB) 1 click on 'History List'.	Two products appear together in the History List Dialog box based on what was selected in the above step. One of the Products should be the IR Satellite product.	
6.	In the Procedure window, click the 'Copy In' button. Then overlay cities located under the 'Maps' menu. Note: Map features such as cities will not show in the bundle but will display.	The bundle from the main pane was copied into the Procedure window. The cities product displays in the large pane.	
7.	Using MB1 click on the 'Clear' button.	The large pane clears.	
8.	Verify a new/blank line was inserted into the History List, storing the previous bundle.	A blank line was inserted into the History List.	
9.	Load an available radar product and set the frames to '12'.	The available radar product displays in the large pane. The radar bundle is added to the History List	
10.	Using MB1 click on the 'Clear' button.	The large pane is cleared. The bundle is stored and a blank line was inserted into the History List.	
11.	Set up one more display, with a frame count of '12', displaying an available gridded product.	The gridded product displays. The grid bundle is added to the History List	
12.	Click on the 'Clear' button.	The large pane is cleared. The bundle is stored and a blank line was inserted into the History List.	
13.	Verify the History List has listed all the	The History List Dialog box listing all the	

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Step	Action	Result	Pass/Fail
	stored bundles and the most recent bundle is at the top of the list	products and associated descriptions that were created with the most recent bundle at the top of the list.	
14.	Select the most recent display created from the 'History List' and click on the 'Copy Out' button.	The selected product appears in the Procedure (untitled) window.	
15.	Repeat Step 14 for the two products originally created and stored in the 'History List'.	The selected products appear in the Procedure (untitled) window.	
16.	Select one of the products from the History List and click on the Load button.	The selected product displays in CAVE.	
17.	Click on the 'Clear' button.	The large pane is cleared.	
18.	Using MB1 select 'Close' button from the 'History List' window.	The 'History List' window closes.	
19.	Select 'Save' from the 'Procedure (untitled)' window.	A 'Save Procedure As' window displays.	
20.	Type 'Test1' in the text box, and select 'OK'.	'Test1' appears at the top of the Procedure window in place of the "untitled."	
21.	Select 'Close' to close the 'Procedure – Test1' window.	The procedure window closes.	
22.	From the 'File' menu, select 'Procedures' and 'Open'.	The Open Procedure window displays.	
23.	Using MB1 click the name 'Test1' in the 'Open Procedure' window and click 'OK'.	The 'Procedure-Test1' window displays.	
24.	Use the 'Up' and 'Down' buttons to move highlighted bundles around the procedure window.	The bundles move up and down accordingly.	
25.	Select one of the bundled displays. Using MB1 click on the 'Load' button.	The select product is displayed in the large pane.	
26.	Select one of the bundled products and using MB1 click on the 'Delete' button.	The selected bundle is removed from the 'Procedure – Test1' window.	
27.	Select another one of the bundled products and using MB1 click on the 'Rename' button.	The Enter Bundle Name window opens.	
28.	Erase the name in the new command line, type 'Test2' and select 'OK'.	The bundle is now labeled 'Test2'.	
29.	Select 'Save' from the 'Procedure – Test1' window.	The bundle 'Test2' is saved.	
30.	From the 'File' menu, select 'Procedures' and 'New'.	A 'Procedure (untitled)' window displays.	
31.	Select 'Test2' in the 'Test1' window and then click on the 'Copy Out' button.	'Test2' appears in the 'Procedure (untitled)' window.	

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Step	Action	Result	Pass/Fail
32.	Select 'Save' in the 'Procedure (untitled)' window.	The 'Save Procedure As' window displays.	
33.	Type a unique name, select 'OK' and close all procedures windows.	The procedure windows close.	
34.	From the 'File' menu, select 'Procedures' and 'Delete'.	The 'Delete Procedure' window displays.	
35.	Select one of the Procedures that you created and select 'OK'.	The 'Confirm Deletion' dialog box displays.	
36.	Select 'Yes' in the 'Confirm Deletion' dialog box.	The 'Confirm Deletion' dialog box closes.	
37.	From the 'File' menu select 'Procedure' and 'Delete'.	The 'Delete Procedure' window displays and the previously deleted procedure is not listed.	
38.	Using MB1 click on the 'Cancel' button.	The 'Delete Procedure' window closes.	
39.	Clear all displayed data in all panes.	All panes display a blank map.	
40.	From the Volume Browser in CAVE, request the display of a cross section.	The selected product displays in the CAVE main panel.	To be tested in a future TO. DR #698 DR #700
41.	Open a saved Procedure window and using MB1 click on the 'Copy In' button.	The Procedure window opens. The Cross Section bundle appears in the Procedure window.	
42.	Close the Cross Section tab.	The Cross Section tab closes.	
43.	From the Procedure window using LM1 click on the Cross Section bundle and click on the 'Load' button.	The previous Cross Section loads in the CAVE main panel display using the current point.	
44.	Close the Cross Section tab.	The Cross Section tab closes.	
45.	From the Volume Browser in CAVE, request the display of a Skew-T.	A Skew-T displays in the CAVE display.	
46.	In the Procedure window, using MB1 click on the 'Copy In' button.	The Procedure window opens. The Skew-T bundle appears in the Procedure window.	
47.	Close the Skew-T tab.	The Skew-T tab closes.	
48.	From the Procedure window using LM1 click on the Skew-T bundle and click on the 'Load' button.	The previous Skew-T loads in the CAVE display.	
49.	Close the Skew-T tab.	The Skew-T tab closes.	
50.	From the Volume Browser in CAVE, request the display of a Time-Height Cross Section.	A Time-Height Cross Section displays in the CAVE display.	

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Step	Action	Result	Pass/Fail
51.	In the Procedure window, click on the 'Copy In' button.	The Procedure window opens. The Time-Height Cross Section bundle appears in the Procedure window.	
52.	Close the Time-Height Cross Section tab.	The Time-Height Cross Section tab closes.	
53.	From the Procedure window using MB1 click on the Time-Height Cross Section bundle and click on the 'Load' button.	The previous Time-Height Cross Section loads in the CAVE display.	
54.	Close the Time-Height Cross Section tab.	The Time-Height Cross Section tab closes.	
	End of Test		

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5.0 REQUIREMENTS VERIFICATION TRACEABILITY MATRIX (RVTM)

Number	Description	Test Step(s)
CAVE_TO8_012	CAVE shall allow the user to create procedures	ALL
CAVE_TO8_012.1	CAVE shall allow the user to create a new procedure using MB1 from the Procedure menu	2
CAVE_TO8_012.2.1	CAVE shall open a 'Procedure (untitled)' dialog box when 'New...' is selected from the Procedure menu	2
CAVE_TO8_012.3	The Procedure window shall allow the user to Copy In a bundle from the main pane	6
CAVE_TO8_012.4	The Procedure window shall allow the user to save the Procedure	19-23,28-29
CAVE_TO8_012.4.1.2	The 'Save Procedure As' dialog box shall allow the user to type a name for the Procedure in the text box	20
CAVE_TO8_012.4.1.5	The Procedure window shall display the name of the saved procedure in the title bar of the Procedure window	20
CAVE_TO8_012.4.2	The Procedure window shall allow the user to Save the Procedure list using MB1 on the 'Save' button	19
CAVE_TO8_012.5	The Procedure window shall allow the user to load saved Procedures	25
CAVE_TO8_012.5.1	The Procedure window shall allow the user to Load a selected bundle using MB1 on the 'Load' button	25
CAVE_TO8_012.6	The Procedure window shall allow the user to Copy Out a bundle from the Procedure window into all other opened Procedure windows	31
CAVE_TO8_012.7	The Procedure window shall receive Copied Out bundles from the History List window	14,15
CAVE_TO8_012.8	The Procedure window shall allow the user to delete bundles within the Procedure window	26
CAVE_TO8_012.8.1	The Procedure window shall allow the user to Delete bundles within the Procedure window using MB1 on the 'Delete' button	26
CAVE_TO8_012.9	CAVE shall allow the user to close the Procedure window	21
CAVE_TO8_012.10	The Procedure window shall allow the user to rename the bundle	27,28
CAVE_TO8_012.10.1	The Procedure window shall open a 'Enter Bundle Name' dialog box when the 'Rename...' button is selected	27,28
CAVE_TO8_012.10.1.1	The 'Enter Bundle Name' dialog box shall allow the user to type a name for the bundle in the text box	27,28
CAVE_TO8_012.10.1.2	The 'Enter Bundle Name' dialog box shall allow the user to rename a bundle in the text box	27,28
CAVE_TO8_012.10.1.4	The Procedure window shall display the renamed bundle title in the bundle list	27,28
CAVE_TO8_012.11	The Procedure window shall allow the user to rearrange the order of the bundle list	24
CAVE_TO8_012.13	CAVE shall allow the user to open a procedure	22,23
CAVE_TO8_012.13.1	CAVE shall allow the user to open a procedure using MB1 from the Procedure menu	22
CAVE_TO8_012.13.3	CAVE shall open a 'Open Procedure' dialog box when 'Open...' is executed from the Procedure menu	22

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CAVE_TO8_012.13.4	The 'Open Procedure' dialog box shall allow the user to type in text into the text box of the 'Open Procedure' window	23
CAVE_TO8_012.13.5.1	CAVE shall open a new/blank procedure window when an opened procedure from the 'Open Procedure' dialog box without a saved procedure name is opened	30
CAVE_TO8_012.13.6	The 'Open Procedure' dialog box shall allow the user to select saved procedures using MB1	23
CAVE_TO8_012.13.7	The 'Open Procedure' dialog box shall allow the user to load saved procedures using MB1 on the 'OK' button	23
CAVE_TO8_012.14	CAVE shall allow the user to delete a procedure	34-37
CAVE_TO8_012.14.1	CAVE shall allow the user to delete a procedure using MB1 from the Procedure menu	34
CAVE_TO8_012.14.3	CAVE shall open a 'Delete Procedure' dialog box when the 'Delete...' option is executed	34
CAVE_TO8_012.14.4	The 'Delete Procedure' dialog box shall allow the user to select saved procedures using MB1	35
CAVE_TO8_012.14.5	The 'Delete Procedure' dialog box shall allow the user to delete a saved procedure using MB1 on the 'OK' button	35
CAVE_TO8_012.14.7	The 'Delete Procedure' dialog box shall allow the user to cancel/close the 'Delete Procedure' dialog box using MB1 on the 'Cancel' button	38
CAVE_TO8_012.14.7.1	CAVE shall open a 'Confirm Deletion' dialog box when a user requests to delete a procedure	35
CAVE_TO8_012.14.7.2	The 'Confirm Deletion' dialog box shall allow the user to delete the procedure using MB1 on the 'Yes' button	36
CAVE_TO8_012.14.7.6	The 'Confirm Deletion' dialog box shall allow the user to close the 'Confirm Deletion' and 'Delete Procedure' windows using MB1 on the 'Cancel' button	38
CAVE_TO8_012.19	CAVE shall allow the user to display cross-sections in a procedure using the current location of the baseline used when initially setting up the bundle	41
CAVE_TO8_012.20	CAVE shall allow the user to display point soundings in a procedure using the current location of the point used when initially setting up the bundle	46
CAVE_TO8_012.21	CAVE shall allow the user to display time-height cross-sections in a procedure using the current location of the point used when initially setting up the bundle	51
CAVE_TO8_011	CAVE shall provide a Workstation History capability	ALL
CAVE_TO8_011.1	The History List shall be accessible under the File menu	5
CAVE_TO8_011.1.1	CAVE shall allow the user to open the History List window using the mouse	5
CAVE_TO8_011.2	The History List window shall allow the user to Load an item from the History List window	16
CAVE_TO8_011.3	The History List shall consist of the most recent bundles that were displayed in the large display pane	5,13
CAVE_TO8_011.3.1	The History List window shall display the most recently loaded bundle at the top of the History List	13
CAVE_TO8_011.3.2	The History List window shall display an itemized description of the bundles	13
CAVE_TO8_011.4	An item shall be added to the History List when resources are added to the main panel in CAVE	4

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CAVE_TO8_011.5	The History List shall store bundles within the History List window	8
CAVE_TO8_011.5.1	The History List shall store a bundle when the Clear button is pressed using MB1	7-8
CAVE_TO8_011.6	CAVE shall allow the user to copy out procedures from the History List into one or more active procedure windows	14,15
CAVE_TO8_011.9	The History List window shall allow the user to close the History List window using MB1 on the 'Close' button	18

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