

Test Case Text_Display_Edit_1.0

for the

AWIPS

Contract

DG133W-05-CQ-1067

DCN: AWP.TE.SWCTR/TO8-0027

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

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

Submitted By:

Test Engineer

Date

Approved By:

Program Manager

Date

Mission Assurance Quality

Date

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

Revision History

Revision	Date	Affected Pages	Explanation of Change
1.0	5 December 07	ALL	Initial Release
2.0	17 January 08	4-7	PDT Redlines/NWS Comments
3.0	29 January 08	ALL	DT Redlines

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

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).....	7

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

1.0 SCOPE

See Software Test Plan.

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

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 4 of the AWIPS D-2D User's Manual Build 8.1
- Existing AWIPS 1 test procedures:
 - Baseline_TextDB_OB8.1
 - Checkout_4.3.9_TextWorkstation_OB8.1
 - Checkout_Text_Message_OB8.1
 - Checkout_TextWorkstation_OB8.1
 - Baseline_TextWKS_1.3.12.1_V1-E
 - TextWks_1.3.12.1
- The VPN connection to the Silver Spring NWS AWIPS 1 test bed
- Release OB8.1 of the Weather Event Simulator (WES)

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

3.0 TEST CASE DESCRIPTION

This test case demonstrates the capability of CAVE to receive, recall, display and edit text products.

3.1 Assumptions, Constraints and Preconditions

- TO8 software has been installed successfully
- CAVE, EDEX and pgAdmin III are running
- Data has been ingested
- The workstation is attached to a working printer
- Text Generalization Pattern is deferred to a future TO, pending guidance from NWS (GSD)

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 text data will be displayed in the Text Window within CAVE
- Data will be printed from an attached printer

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

4.0 TEST SCENARIO

Step	Action	Result	Pass/Fail
1.	Start CAVE.	CAVE starts.	
2.	Under the CAVE menu, click on 'New' and select 'Text Workstation'.	A 'Text Workstation' control window and 'Text 1' window open.	
3.	Select the AFOS Browser button in the Text 1 window.	The Text 1 Browser window opens.	
4.	In the Text 1 Browser window, select: Origin: Central Class: Public	The selections in the Node section change accordingly.	
5.	In the Text 1 AFOS Browser window, select a combination of available Nodes and Ctgr that return items in the Designator column.	The Node and Ctgr become highlighted. Selections appear in the Designator and Display sections. The Node-Ctgr combination appears in the AFOS Cmd: command line in the Text 1 window and 'ALL:' appears in the DISPLAY section.	
6.	Select an available item (one with a time and date or labeled as LATEST) in the Designator section.	The item and its associated time become highlighted. The Designator item is also added in the AFOS Cmd: command line in the Text 1 window.	DR #797
7.	Select 'ALL:' in the display section. Then select Load and Continue.	The selected product is displayed in the Text 1 window. The product name appears in the Text 1 window title. The AFOS Browser remains open.	
8.	Repeat steps 5-7 for another product. Then click the 'Load and Continue' button.	The selected product displays in the text window. The previously displayed text product was removed from the text display.	
9.	Click on 'Accum'.	The 'Accum' box becomes selected.	
10.	Repeat steps 5 and 6 for another product. Then click the 'Load and Close' button.	The selected product is added (Accum.) to the text product displayed in the Text 1 window. The product name appears in the Text 1 window title. The AFOS Browser closes.	
11.	Unselect the 'Accum' option. Then click the 'Clear' button.	The text window clears the text product.	
12.	In the Text 1 window, select the Enter Editor button.	The Text 1 window becomes divided into a header section and a text section. A Header Block window also opens.	
13.	Enter 'TST' for the WSFO ID, Product Category and Product Designator in the 'Header Block' window. Then click the 'Enter' button.	A warning message appears that the 'Product Designator TSTTSTTST is not in the list of valid products. Use it anyway?'	
14.	Click the 'Yes' button.	The 'Header Block' window closes. TSTTST appears in the header section. The user is in edit mode.	
15.	Create a message of 3 sentences in the text window. Ensure return was used after each sentence and at least one line is greater than 85 characters where the line wraps automatically.	The text is entered into the text window. The text wraps within the window.	
16.	Click and drag the mouse over a section of the text. Then click the 'Cut' button.	The highlighted section is removed from the text product.	

*HARDCOPY UNCONTROLLED**Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0**Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.*

17.	In a different area of the text product, click the 'Paste' button.	The cut portion of the text is pasted into the text product.	
18.	Click and drag the mouse over the entire text message. Then click the 'Fill' button.	The space within the text created by the Enter/Return button is filled in.	
19.	Click and drag the mouse over a section of the text. Then click the 'Copy' button.	The highlighted section is copied.	
20.	In a different area of the text product, click the 'Paste' button.	The copied portion of the text is pasted into the text product.	
21.	Click 'Options' in the menu bar, select 'Font Size', and select 'Large'.	The font size increases in size.	
22.	Click 'INS' from the edit menu bar. Choose 'Overstrike Mode'.	'INS' changes to 'OVR'.	
23.	Place the cursor within the text and type a word.	The text entered over the existing text.	
24.	Click the 'Save' button.	The message is saved as the AFOS Cmd: TSTTSTTST.	
25.	Click the 'Cancel' button.	A 'Confirm Cancel' window appears stating 'Any unsaved changes will be lost. Cancel anyway?'.	
26.	Click the 'Yes' button.	The 'Confirm Cancel' window closes. The text window exits from edit mode.	
27.	Click the 'Clear' button.	The text window clears the text product.	
28.	In the AFOS Cmd: line, enter 'TSTTSTTST'. Then press the 'Enter' key.	The saved message is returned in the text window.	
29.	Click the 'Clear' button.	The text window clears the text product.	
30.	Enter only a portion of a valid TTAAii CCCC (e.g., SAUS43) and press the 'Enter' key.	An error message is returned stating no product in the database matches the request.	
31.	Click the 'OK' button.	The message closes.	
32.	Click the 'WMO Search' button.	A 'Warning' box appears asking the user to fill in the TTAAii and CCCC and press ENTER.	
33.	Click the 'OK' button.	The 'Warning' window closes.	
34.	Enter a valid TTAAii CCCC (e.g., SAUS43 KOAX) and press the 'Enter' key.	The text product displays in the text window.	
35.	Click the 'Clear' button.	The text window clears the text product.	
36.	Enter a valid AWIPS ID (e.g., TOROMA) into the 'AWIPS ID' text box. Then press the 'Enter' key.	The text product displays in the text window.	
37.	Click the 'Clear' button.	The text window clears the text product.	
38.	Open the 'Text 2' window.	A second text window opens.	
39.	From the 'Text Workstation' window, click on 'Windows'. Then click on 'Hide All'.	The 'Text 1' and 'Text 2' windows become hidden.	
40.	From the 'Text Workstation' window, click on 'Windows'. Then click on 'Show All'.	All text windows become visible.	
41.	In one of the text windows, click 'File' and select 'Close'.	The text window closes.	
42.	In another text window, display an available text product.	The text product displays in the text window.	

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

43.	Print the text product by clicking on 'File' and selecting 'Print All'.	The text product prints from an attached printer.	DR #703
44.	Clear the text window. Then request an available text product via AFOS Browser.	The text product displays.	
45.	Edit the text product. Then save the edits.	The text product is modified and saved.	
46.	Clear the text window. Then request the edited product to verify the edits were saved.	The text window clears. The text product displays the modifications.	
47.	From the 'Text Workstation' window, select 'File'. Then select 'Exit'.	All opened text windows and the 'Text Workstation' window close.	
	End of test.		

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

5.0 REQUIREMENTS VERIFICATION TRACEABILITY MATRIX (RVTM)

Number		Test Step(s)
CAVE_TO8_004	CAVE shall contain a Text Editor with the look and feel, and functionality of the current AWIPS 1 text editor	ALL
CAVE_TO8_004.1	The Text Editor shall contain an AFOS Browser	3
CAVE_TO8_004.1.1	The AFOS Browser shall allow the user to display text products in the text window by selecting the Node, Category and Designator	5-6
CAVE_TO8_004.1.5	The AFOS Browser shall allow the user to Load the selected text product while keeping the AFOS Browser open for further use	7,8
CAVE_TO8_004.1.6	The AFOS Browser shall allow the user to display the selected text product and close the AFOS Browser	10
CAVE_TO8_004.2	The Text Editor shall provide a print capability	43
CAVE_TO8_004.2.1	The print capability shall allow the user to create a hard copy of all text in the Text Window (Print All) using the menu bar.	43
CAVE_TO8_004.4	The Text Editor shall provide a text/bulletin editing capability	12-14
CAVE_TO8_004.9	The user shall be able to close out the Text Editor Window	41,47
CAVE_TO8_004.11	The Text Editor shall provide the capability to Autowrap	15
CAVE_TO8_004.12	The Text Editor shall provide the capability to change font size	21
CAVE_TO8_004.13	The Text Editor shall provide the capability to overstrike using the menu bar	22
CAVE_TO8_004.24	The Text Editor shall contain WMO Search Dialog Box that indicates to the user to fill in the TTAAii and/or CCCC and press ENTER	30
CAVE_TO8_004.25	The Text Editor shall allow the user to open the Text Editor function	2
CAVE_TO8_004.26	The Text Editor shall allow the user to opt to accumulate text by appending subsequent text product retrievals to the display window	9,10
CAVE_TO8_004.28	The Text Editor shall allow the user to clear the Text Display window	11
CAVE_TO8_004.29	The Text Editor shall retrieve/display the AFOS product in the Text Display Window via the AFOS Cmd text window	28
CAVE_TO8_004.30	The Text Editor shall retrieve/display the AFOS product in the Text Display Window via the WMO TTAAii CCCC text window	34
CAVE_TO8_004.31	The Text Editor shall retrieve/display the AFOS product in the Text Display Window via the AWIPS ID text window	36

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.

CAVE_TO8_004.32	The Text Editor shall launch the AWIPS Header Block GUI when the user enters the edit mode	12
CAVE_TO8_004.33	The text editor function shall display edit functions in a menu bar fashion	16-20
CAVE_TO8_004.33.1	The menu bar in the edit window shall provide the capability to save text	24
CAVE_TO8_004.33.2	The menu bar in the edit window shall provide the capability to cut out text	16
CAVE_TO8_004.33.3	The menu bar in the edit window shall provide the capability to copy text	19
CAVE_TO8_004.33.4	The menu bar in the edit window shall provide the capability to paste text	17,20
CAVE_TO8_004.33.5	The menu bar in the edit window shall provide the capability to remove hard returns from selected text (Fill)	18
CAVE_TO8_004.33.6	The menu bar in the edit window shall provide the capability to edit a bulletin header	12-14
CAVE_TO8_004.33.8	The menu bar in the edit window shall provide the capability to cancel out of the editor function (cancel)	25
CAVE_TO8_004.33.10	The menu bar in the edit window shall provide the capability to overstrike text	22,23
CAVE_TO8_004.36	The Text Workstation shall allow the user to exit a Text Workstation	47
CAVE_TO8_004.37	The Text Workstation shall allow the user to open a Text Workstation	2
CAVE_TO8_004.38	The Text Workstation shall allow the user to "Hide All" workstation screens	39
CAVE_TO8_004.39	The Text Workstation shall allow the user to "Show All" workstation screens	40

HARDCOPY UNCONTROLLED

Contract DG133W-05-CQ-1067; Test Case Text_Display_Edit_1.0

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this document.