

## AE IV&V Test Case: Baseline Text DB

Rev. No.	Date	By	Description of Changes
0	18-apr-2008	S. Davison	Adapted from AWIPS OB8.1 test case: SIT_Baseline_TextDB.doc

### Test Case Identifier

Baseline Text DB

### Narrative

This test case demonstrates the capability of AWIPS to recall and display text products, and to allow for the editing and transmission of those products. This test case also demonstrates the capability of AWIPS to update and alarm products on the text workstation, and to allow the user to write text scripts and TAF/TWEB products.

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1.	Start CAVE	CAVE GUI opens.			
2.	Start the Text Workstation: CAVE   New   Text Workstation	A Text Workstation Control window and a Text 1 window open. The current date and time (local and Universal Time Coordinated [UTC]) appear in the Text Workstation Control window.			
3.	From the Windows menu, select New Window.	A new Text 5 bar appears in the Text Workstation Control window.			
4.	Select New Window three more times so that there are eight text windows listed in the Text Workstation Control window.	Window selected			
5.	From the Windows menu, select Show All.	Eight text windows are opened on the display.			
6.	From the Windows menu, select Hide All.	All eight windows are closed.			
7.	From the Text Workstation Control window, select Text 1.	The Text 1 window opens.			
8.	Select the AFOS Browser button in the Text 1 window.	The Text 1 AFOS Browser window opens.			
9.	From the Origin: menu of the Text 1 AFOS Browser window, select East. (Already on East)	The selections in the Node section change accordingly.			
10.	In the Node section of the Text 1 AFOS Browser window, select WBC	WBC becomes highlighted. Selections appear in the Ctgy			

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		section. WBC appears in the AFOS Cmd: command line in the Text 1 window.			
11.	In the Ctgr section, select ZFP.	ZFP becomes highlighted and is added in the AFOS Cmd: command line in the Text 1 window. Selections appear in the Designator and DISPLAY sections.			
12.	In the Designator section, select LWX (site ID for Baltimore, MD/Washington, DC WFO).	LWX and its associated time become highlighted, and the word ALL: appears in the DISPLAY section. LWX is also added in the AFOS Cmd: command line in the Text 1 window.			
13.	Select Load and Continue in the Text 1 AFOS Browser window	The selected product is displayed in the Text 1 window. The product name appears in the Text 1 window title.			
14.	Press and hold mouse button 1 in the title bar of the Text 1 AFOS Browser. Move the cursor to the top of the screen, and release the button.	The Text 1 AFOS Browser window moves with the cursor to a new location at the top of the screen, uncovering the Text 1 window.			
15.	Move the cursor to the bottom edge of the Text 1 AFOS Browser window.	The cursor changes shape, indicating that it is ready to resize the window.			
16.	Press and hold mouse button 1, move the cursor downward, and release	The Text 1 AFOS Browser window increases in size to the			

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	mouse button 1.	location where mouse button 1 was released.			
17.	In the Text 1 AFOS Browser window, in the DISPLAY section, select ALL:.	The word ALL: becomes highlighted and is added along with the product name to the AFOS Cmd: command line in the Text 1 window.			
18.	Select Load and Close.	The Text 1 AFOS Browser window closes, and all versions of the selected product that are in the database appear in the Text 1 window, replacing the previously displayed product in the window. The most recent available version of the product is displayed first. The product name appears in the Text 1 window title.			
19.	Use the vertical scroll bar on the right side of the Text 1 window to scroll through the text in the window.	Vertical scroll bar used			
20.	Press mouse button 1 anywhere in the Text 1 window.	The window is now active.			
21.	Press the <Page Down> key on the keyboard	The next page of the text appears.			
22.	Press the <Page Up> key on the keyboard.	The previous page of the text appears.			
23.	Press the <End> key on the keyboard.	The end of the text appears			
24.	Press the <Home> key on the	The beginning of the text			

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	keyboard.	appears.			
25.	In the Text 1 window, type: PITMTRPIT on the AFOS Cmd: command line, and press <Return>.	The latest version of that product replaces the previously displayed text in the Text 1 window. The product name appears in the Text 1 window title.			
26.	In the Text 1 window, toggle on the Accum radio button.	Toggled on			
27.	From the Version menu in the Text 1 window, select Previous.	The previous version of the product, relative to the product version already displayed, is displayed appended to the text in the Text 1 window. A -1 appears as part of the Text 1 window title.			
28.	Select Next from the Version menu.	The next version of the product relative to the version just displayed is displayed appended to the text. The -1 in the Text 1 window title disappears. This product should be the same as the first product displayed two steps ago.			
29.	Select Latest from the Version menu.	The latest version of the product available in the database is displayed appended to the text. This should be the same product as displayed in the previous step.			
30.	Select All from the Version menu.	All versions of the product available in the database appear			

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		in the Text 1 window. The word ALL: appears as part of the Text 1 window title.			
31.	Select Clear in the Text 1 window.	The Text 1 window clears			
32.	Toggle off the Accum radio button.	Toggled off			
33.	Type: FWCDCA on the AFOS Cmd: command line and press <Return>.	The NGM MOS product is displayed in the Text 1 window, and the product title appears as part of the Text 1 window title.			
34.	Type: FRH62 on the AFOS Cmd: command line and press <Return>.	The NAM model product replaces the previously displayed product in the Text 1 window, and the product title appears as part of the Text 1 window title.			
35.	From the Options menu, select Font Size. In the cascading menu, select Large	The size of the text in the Text 1 window increases, and the Text 1 window resizes to accommodate the larger type.			
36.	Select Medium from the Font size menu.	The text is restored to its original size, with the Text 1 window resizing accordingly.			
37.	Select Clear in the Text 1 window.	The Text 1 window clears.			
38.	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.			
39.	In the Header Block window, type: WBC in the WSFO ID command line.	Text typed			
40.	Type: ZFP in the Product Category	Text typed			

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	command line.				
41.	Type: LWX in the Product Designator command line.	Text typed			
42.	Type: TBDR in the Addressee command line.	Text typed			
43.	Select Enter.	The Header Block window closes, and the header information for the product you are about to compose appears in the header section of the Text 1 window. The text section of the window is blank and ready for composition.			
44.	Type the words "TEST....TEST....TEST....TEST" in the window.	The words "TEST....TEST....TEST....TEST" appear in the Text 1 window.			
45.	Select Send from the editor toolbar.	The product is saved and transmitted to TBDR.			
46.	In the AFOS Cmd: command line on the Text 1 window, type: WBCZFPLWX and press <Return>	The product just edited is displayed in the Text 1 window, and the product name becomes part of the Text 1 window title			
47.	In the AFOS Cmd: command line on the Text 1 window, type: WBCZFPAKQ and press <Return>.	The product is displayed in the Text 1 window, and the product name becomes part of the Text 1 window title.			
48.	Select the Enter Editor button.	The Text 1 window is split into two sections, a header section and a text section. A Header			

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		Block window also opens.			
49.	Select Enter in the Header Block window.	The Header Block window closes, and the header information for the current product appears in the header section of the Text 1 window.			
50.	In the Text Workstation Control window, select Text 2.	A Text 2 window opens.			
51.	Select the Enter Editor button.	The Text 2 window is split into two sections, a header section and a text section. A Header Block window also opens.			
52.	In the Header Block window, type: FPUS65 in the TTAAii command line.	Text typed			
53.	Type: KBOU in the CCCC command line.	An AFOS ID Selection window is displayed			
54.	Select 'DENSFPCO' from the list and select the 'Close' button.	Selected			
55.	Type: TBW3 for the Addressee.	Text typed			
56.	Select Enter.	The Header Block window closes, and the header information for the current product appears in the header section of the Text 2 window.			
57.	In the text section of the Text 1 window, press and hold mouse button 1, and move the cursor down a section of the text.	That section of text becomes highlighted.			

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58.	Press and hold mouse button 3 for a pop-up menu, and select Cut.	The highlighted section of text is erased.			
59.	Select the Paste button from the toolbar in the Text 2 window.	The section of text cut from the Text 1 window appears in the Text 2 window.			
60.	In the Text 1 window, highlight some text.	Highlited			
61.	From the Edit menu of the Text 1 window, choose Select, and To end of Product from the submenu.	The amount of text that is highlighted expands to the end of the product.			
62.	From the Edit menu, choose Select and To previous word.	The amount of text that is highlighted decreases to the previous word.			
63.	Select the Copy button.	Selected			
64.	Select the Paste button from the toolbar in the Text 2 window.	The section of text copied from the Text 1 window appears appended to the text in the Text 2 window. Add "TEST....TEST....TEST....TEST" to the text 2 window.			
65.	In the Text 2 window, select Save from the editor toolbar.	The product is saved locally.			
66.	Turn off the power to the text workstation central processing unit (CPU).  Shut down the workstation abnormally by turning off the power.	The workstation shuts down.			

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67.	Wait 10 seconds, and then turn the power back on.	The workstation boots up. The process is complete when the login prompt screen is displayed.			
68.	Log into workstation and start CAVE and the Text Workstation with CAVE   New   Textworkstation	The text workstation windows appear.			
69.	From the File menu in the Text 1 window, select Recover Edit Session.	An Edit Session Recovery window opens.			
70.	Select the session that was active when the power was turned off.	The listing becomes highlighted. (take note of this ahead of time!!!)			
71.	Select Recover.	The edit session that was in progress when the power was turned off is restored in the Text 1 window.			
72.	Select the Cancel button.	The edit session ends			
73.	Move to the CAVE display monitors From the Tools menu, select Text window.	A Text 1 window opens.			
74.	In the AFOS Cmd: command line type: SFOFTMDAX, and press <Return>.	The radar free text message is displayed in the Text 1 window. The product name is erased from the AFOS Cmd: command line and appears in the Text 1 window title.			
75.	Select Alarm/Alert from the Text Workstation Control window.	A Current Alarm Queue window opens, showing any alarmed products that are currently in the			

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		queue.			
76.	Select Product List.	An Alarm/Alert and Proximity Alarm Products window opens, showing all products currently set to alarm the system upon arrival.			
77.	Select New AA Entry.	A New Alarm/Alert Product window opens.			
78.	In the Product ID: command line, type: WBCMTRIAD.	Text typed			
79.	Toggle on the Alarm radio button next to the command line.	Toggled on			
80.	Select OK.	The New Alarm/Alert Product window closes. The selected product is listed in the Alarm/Alert Products window, with the word Alarm in parentheses next to the product name.			
81.	Select New AA Entry.	A New Alarm/Alert Product window opens.			
82.	In the Product ID: command line, type: WBCZFPLWX.	Text typed			
83.	In the Optional Search String command line, type the name of the day four days from now.	Text typed			
84.	Select OK.	The New Alarm/Alert Product window closes. The selected			

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		product is listed in the Alarm/Alert Products window, followed by the phrase “containing ‘<name of the day four days from now>’.”			
85.	Select Save & Close under the File menu.	The current list of products is saved, and the Alarm/Alert Products window closes. An Alarm/Alert bell icon should appear within one hour of the current time. This will be verified later in the test.			
86.	Select the Text 4 button from the Text Workstation Control window.	The Text 4 window opens.			
87.	Type: WBCMTRDCA in the AFOS Cmd: command line, and then press <Return>.	The most recent METAR data appear for DCA. Note the product time			
88.	Toggle on the Update Obs radio button.	Within one hour, new METAR data should replace that displayed in the Text 4 window. This will be verified later in the test case.			
89.	Select Clear in the Text 1 window.	The Text 1 window clears			
90.	From the Scripts menu, select Edit.  TO8: Steps 90-108 are NA. Scripts not yet implemented. NA	The Text 1 Script Editor window opens.			
91.	Type the following lines into the window to create an example of a script:	Text typed			

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	clear; accum on; load wbcfdlwx; wait; load miamtrmia; wait; load pitccfbz;				
92.	From the File menu in the Text 1 Script Editor window, select Save As.	A Save Script As window opens.			
93.	In the Filename: command line, move the cursor to the end of the path name and press the <Backspace> key once.	The period at the end of the path name is erased.			
94.	Type the name testscript at the end of the path.	Text typed			
95.	Select OK.	The script is saved under that pathname. The Save Script As window closes. The name testscript appears as part of the Text 1 Script Editor window title.			
96.	From the File menu in the Text 1 Script Editor window, select Close.	The Text 1 Script Editor window closes.			
97.	From the Scripts menu in the Text 1 window, select Run.	The Run Script File window opens.			
98.	In the Files section, select testscript.	The name testscript becomes highlighted, and the pathname updates in the Filename: command line.			

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99.	Select OK.	The Run Script File window closes, and the script begins running. Each product is displayed and is appended at the bottom of the window, waiting each time for the tester to select the Continue button before loading the next product. A status message at the bottom of the window indicates the current stage of the script.			
100.	From the Scripts menu in the Text 1 window, select Edit.	The Text 1 Script Editor window opens.			
101.	From the File menu in the Text 1 Script Editor window, select Open.	The Open Script File window opens.			
102.	Select the file testscript by double-clicking it with mouse button 1.	The Open Script File window closes. The testscript script appears in the Text 1 Script Editor window, and the name testscript appears as part of the Text 1 Script Editor window title.			
103.	Add the following lines to the end Of the script: wait; load wbcrrwakg;	Lines added			
104.	From the File menu, select Save.	The script is updated with the changes.			
105.	From the Execute menu, select Run.	The script begins running. Each product is displayed and is			Cannot select run??

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		appended at the bottom of the window, waiting each time for the tester to select the Continue button before loading the next product. A status message at the bottom of the window indicates the current stage of the script.			
106.	Select Clear in the Text 1 window.	The Text 1 window clears.			
107.	Toggle off the Accum radio button.	Toggled off			
108.	From the File menu in the Text 1 Script Editor window, select Close.	Text 1 Script Editor window closes.			
109.	Select Text Window 3 from the Text Workstation Control Window.	The Text 3 window opens.			
110.	In the AFOS ID: command line, type: WBCRWRLWX and select <Enter>.	The latest version of that product is displayed in the Text 3 window. Note that there is a UGC code at the top of the product, e.g., VAZ042. This code will be used later to set up a new proximity alarm. Keep this window open for use later.			
111.	Select Alarm/Alert from the Text Workstation Control Window.	A Current Alarm Queue window opens, showing any alarmed products that are currently in the queue.			
112.	Select Product List.	An Alarm/Alert and Proximity Alarm Products window opens,			

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		showing all products currently set to alarm the system upon arrival			
113.	Select New PA Entry.	A New Alarm/Alert Proximity Alarm Product window opens.			
114.	In the Product ID:, type: WBCRWRLWX. Select Alarm in the Alarm/Alert option menu. Refer back to the open Text 3 window with the current WBCRWRLWX product displayed and the current UGC code included in the product. Back on New Proximity Alarm Product Window, for the UGC List:, type a UGC code that is listed in the WBCRWRLWX product in the Text 3 window.	The tester is creating an alarm for that UGC in the current WBCSWRVA product.			UGC format error window for ASUS41, try MAC013
115.	Select OK.	The New Proximity window closes. The new proximity alarm is listed at the bottom of the Alarm/Alert and Proximity Alarm Products window			
116.	Select Save and Close at the bottom of the window.	The current list of proximity alarms, including the new alarm, is saved and the Alarm/Alert Products window closes.			
117.	Return to the Text 3 window. To activate the alarm, a new WBCRWRLWX product must be sent. Select Enter Editor.	The Text 3 window becomes divided into a header section and a text section. A Header Block window also opens.			
118.	In the Header Block window, verify	Verified			

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	WBC is in the WSFO ID command line, RWR is in the Product Category command line, and LWX in the Product Designator command line.				
119.	Type: 000 in the Addressee command line.	Text typed			
120.	Select Enter.	The Header Block window closes.			
121.	Change the time in the product to a few minutes ahead of the current time. Add "TEST....TEST....TEST....TEST" to the top of the product, then select Send.	The WBCRWRLWX product is saved. Select Go Ahead to any window message that opens. A flashing alarm bell starts blinking in the upper left corner of the text workstation screen			
122.	Press mouse button 1 over that flashing bell.	The flashing bell disappears. A Current Alarm Queue window opens, showing the product currently in the queue.			
123.	Select the product.	An Alarm Display Window opens. The WBCRWRLWX product selected to alarm the system appears.			
124.	Close all Alarm/Alert-related windows.	Windows closed			
125.	When a flashing alarm bell starts blinking in the upper left corner of the text workstation screen, press mouse button 1 over that flashing bell.	The flashing bell disappears. A Current Alarm Queue window opens, showing the product currently in the queue.			
126.	Select the product.	An Alarm Display Window			

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		opens. The WBCMTRIAD product selected to alarm the system appears.			
127.	Press mouse button 1 over the tab in the upper left corner of the window.	A pull-down menu appears.			
128.	Select Close from the menu.	Both the Alarm Display Window and the Current Alarm Queue window close.			
129.	View Text Window 4 after the hourly METAR arrives.	A newer version of the WBCMTR product has automatically replaced the previous version of the product. The station ID is highlighted in black when the product has been updated.			
130.	When a flashing alarm bell starts blinking again in the upper left corner of the text workstation screen, press mouse button 1 over that flashing bell (it may take several hours for the WBCZFPLWX product to come in).	The flashing bell disappears. A Current Alarm Queue window opens, showing the product currently in the queue.			
131.	Select the product.	An Alarm Display Window opens. The WBCZFPLWX product selected to alarm the system appears.			
132.	Exit application	This concludes the test case			