

# **Test Case Hydro Configuration Controls**

**for**

**Contract DG133W-05-CQ-1067**

**Advanced Weather Interactive Processing System (AWIPS)  
Operations & Maintenance**

**AWP.TE.SWCTR/TO10-0022**

Prepared for:

U.S. Department of Commerce  
NOAA/NWS Acquisition Management Division  
SSMC2, Room 11220  
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:

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Test Engineer

\_\_\_\_\_

Date

Approved By:

\_\_\_\_\_

Program Manager

\_\_\_\_\_

Date

\_\_\_\_\_

Mission Assurance Quality

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Date

## Change History

Revision	Date	Affected Pages	Explanation of Change
Draft	21 Nov. 2008	ALL	Initial Draft
1	15 Jan. 2009	7-8	Result of PDT/NWS Comments
2	16 Jan. 2009	8	Incorporate pen and ink changes
3	6 Feb. 2009	iii, 4	Result of DT

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## **1.0 SCOPE**

See TO10 Software Test Plan.

## **2.0 APPLICABLE DOCUMENTS**

### **2.1 Source Documents**

- None

### **2.2 Reference Documents**

- TO10 Software Test Plan for the Advanced Weather Interactive Processing System Project, Contract #DG133W-05-CQ-1067, January 2009.
- The Silver Spring NWS AWIPS I test bed application.
- Rational RequisitePro.

### **3.0 TEST CASE DESCRIPTION**

This test case verifies the management of the Hydro token fields using localization.

#### **3.1 Assumptions, Constraints, and Preconditions**

- TO10 software has been installed successfully.
- CAVE and EDEX are running.
- Data has been ingested.
- Actions, Results, and Requirements highlighted in gray indicate requirements and/or capabilities to be included in the scope of future task orders. They are included here for purposes of continuity and traceability with the original AWIPS I test case documents.

#### **3.2 Recommended Hardware**

See TO10 Software Test Plan.

#### **3.3 Test Inputs**

Section 4.0 contains the test procedures for this test case. Sections 2.2 – 2.9 of the TO10 Software Test Plan contain general test inputs applicable to all TO10 test cases.

#### **3.4 Test Outputs**

The results outlined in section 4.0 are met.

#### 4.0 TEST SCENARIO

Step #	Action	Result	Pass/Fail
1.	In CAVE, Mouse Button (MB) 1 click on the Perspectives icon and select 'MPE' from the dropdown menu if available. If not available, select 'Other...'. Then select 'MPE' from the Open Perspective dialog.	The MPE Perspective window displays in CAVE.	
2.	MB1 click on the 'Projections' menu and select 'Flat Lat/Lon'.	The region extending from the Central and Southern High Plains east to the Central and Southern Mississippi River Valley displays on a flat projection.	
3.	MB1 click on the 'Projections' menu and select 'Polar Stereographic'.	The region extending from the Central and Southern Rocky Mountains east to the southern Great Lakes and points south displays on a Polar Stereographic projection.	
4.	Open a terminal and navigate to the Apps_defaults file located on the workstation:  (/root/caveData/common/site/OAX/hydro).  Record the default values for later use. Edit the Apps_defaults file by modifying the hv_center lat/lon values to read 25/-125. Then save the changes.	The modified hv_center lat/lon values are saved.	
5.	Close the MPE Perspective.	The MPE Perspective window closes.	
6.	MB1 click on the Perspectives icon and select 'MPE' from the dropdown menu if available. If not available, select 'Other...'. Then select 'MPE' from the Open Perspective dialog.	The MPE Perspective window displays in CAVE.	
7.	MB1 click on the 'Projections' menu and select 'Flat Lat/Lon'.	The region displays centered on the modified lat/lon center point on a flat projection.	
8.	MB1 click on the 'Projections' menu and select 'Polar Stereographic'.	The region displays in a PST projection based on the modified lat/lon point.	
9.	Repeat step 4. Update the files with the default values.	The Apps_defaults file hv_center lat/lon values are reset to the default values.	
<b>End of Hydro Configs Ctrl's Test</b>			

**5.0 REQUIREMENTS VERIFICATION TRACEABILITY MATRIX (RVTM)**

Number	Description	Test Step(s)
SYSR3112	The AWIPS system shall implement configuration controls persistence.	ALL