

AWIPS Migration

System Integration Test (SIT) Plan

v0.3

**National Weather Service
Office of Science and Technology
Systems Engineering Center**

January 11, 2010

AE SIT Plan**Revision History**

| Rev. No. | Date | By | Description of Changes |
|-----------------|-------------|-------------|--|
| 0.1 | 1/6/10 | Jim Calkins | Initial Draft |
| 0.2 | 1/8/10 | Jim Calkins | Updated to describe high-level search for missing functionality on Day 1; specific TTR/DR section wording updated to reduce importance of such specific testing. |
| 0.3 | 1/11/10 | Jim Calkins | Updated setup information in section 3.5 |
| | | | |

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1 General Information

1.1 Purpose

This document describes the test objectives, test strategy, and test resources for the AWIPS II System Integration Test (SIT).

The SIT will occur on the NHDA platform, located on the 7th floor of Silver Spring Metro Center, building 2 (SSMC2). The SIT will take place between January 11, 2010 and January 15, 2010.

The purpose of the SIT is to use the government's test cases to help determine the readiness of the AWIPS II software, identify critical (Fix Before System Operational Test and Evaluation (FBSO)) Discrepancy Reports (DRs), and identify any missing functionality in AWIPS II.

The testers will mainly be members of the Independent Verification and Validation (IV&V) team.

Defects discovered during the SIT will be documented as Trouble Ticket Reports (TTRs). Those TTRs will then be evaluated and classified by the government (both impact and criticality). Once classified, they will be forwarded to Raytheon for resolution. FBSO DRs are to be identified by February 3, 2010, and this SIT schedule will allow for that.

1.2 Scope

The first day of the SIT will be focused on determining areas of major missing functionality. We will review the Checklist from the MDM and look for known and/or major areas that have yet to be implemented. These areas should be identified as soon as possible, but no later than 3pm on Tuesday January 12.

Testing will mainly consist of the execution of test cases written to address the Gap identified in the Master Deliverables Matrix (MDM). These are a subset of the test cases identified in the MDM – Raytheon is responsible for executing many of those test cases as well.

Testers will also, as time permits, perform ad-hoc testing and evaluate areas of previously identified missing functionality in AWIPS II.

2 Reference Documents

- *Master Deliverables Matrix (MDM) v7.1*
- *"Not Implemented Open DRs.pdf"*
- *"SIT TTRs I.pdf"*
- *"SIT TTRs II.pdf"*
- *"MDM Checklist.xls"*

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3 SIT Preparation

3.1 Workstation Reservation

NHDA workstations may be reserved by scheduling time at the following link:

<http://www.doodle.com/e259ai4zvik9vwze>

Enter your name, then select the hours during the week that you wish to execute test cases. Note that there is a limit of 6 reservations per time slot. No reservation is necessary for those wishing to test before 7am EST or after 7pm EST.

3.2 Test Track Pro Accounts

We are using Test Track Pro to document any issues discovered while testing. Test Track Pro may be accessed at the following link:

<http://webdev1.weather.gov/ttweb/login.htm>

If you do not have an account...or you have forgotten your password...please contact Peter.Pickard@noaa.gov or Alissa.Thomas@noaa.gov.

Basic instructions for using Test Track Pro may be found in section 4.4 of this document. More detailed instructions may be found by clicking on the “How to – UFE Plan App A” link at <http://www.nws.noaa.gov/ost/SEC/AE/Testing.htm>.

3.3 NHDA Accounts

If you need an account on the NHDA or you have forgotten your password, please contact James.D.Williams@noaa.gov. The account form may be found at https://sec.noaa3a.awips.noaa.gov/awips_acct_forms/nmt/index.html

3.4 NHDA Access

The NHDA system is located on the 7th floor of SSMC2. The door to the facility is located near the stairwell on the “Metro” side of the building.

The cipher lock code on the facility door has changed within the last several weeks. If you do not have the new code, please contact James.Calkins@noaa.gov or James.D.Williams@noaa.gov. Or you can access the facility the old fashioned way – by knocking (loudly) on the door.

3.5 CAVE Setup/Start

The first time you access the TO11 DR#3 software (i.e. the first time you log in during SIT), you should run the setup script to initialize your local CAVE environment. Open a terminal window, and type the following command:

```
/data/local/AWIPS2/setupCAVE.sh
```

After running that script for TO11 DR#3 (i.e. during SIT), you may start CAVE normally. In a terminal window, type the following command:

```
/usr/local/viz/cave/cave.sh
```

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The **first** time you do this, you will likely be presented with a dialog box requesting connectivity and localization information. Make sure the following values are entered:

Site: **OAX** (in CAPS!)

Localization Server: replace **localhost** with **px1-nhda** and leave the rest as is

After entering those values, click the "Validate" button and make sure the red highlight goes away. If it does not, then you are not connecting to the data server. Double check your entries and seek help if you can not get rid of the red highlight.

The workstation applications (e.g., cave, gfeclient, cli, etc.) are located in /usr/local/viz.

3.6 Overtime Authorization

The AWIPS Program Manager, Tim Hopkins, has authorized overtime for any SIT-related activities. You will need to charge your overtime hours to the AWIPS Charge Code. Please contact James.Calkins@noaa.gov if you need the Charge Code. You will need to have your Administrative Assistant add it as a chargeable code for you before you can actually charge the hours. Needless to say, you will want to make this happen early in the week since the Pay Period that covers the SIT ends 1/16/10.

3.7 Contacts

The following are a list of contact points should you encounter any questions or problems with testing during SIT:

General Questions: James.Calkins@noaa.gov

Test Case Questions: James.Calkins@noaa.gov

NHDA System Issues: James.D.Williams@noaa.gov

AWIPS II General Issues: James.D.Williams@noaa.gov, James.Calkins@noaa.gov

Raytheon also plans to have a presence at the SIT for most of the week, and they will be available to answer questions and help with issues that arise.

4 Test Activities

The SIT Team will focus on several different areas:

- High-Level Assessment of Missing Functionality
- Gap Test Case Execution
- Further Evaluation of Previously-Identified Missing Functionality
- Ad-hoc Testing (as time permits)
- TTR Creation (during test case execution, ad hoc testing, etc.)

4.1 High-Level Assessment of Missing Functionality

Day 1 of the SIT should be focused on reviewing each of the function areas identified in the MDM Checklist (second tab). Any major areas of missing functionality within those functions should be documented and sent to James.Calkins@noaa.gov as soon as possible, but no later than 3:00pm EST on Tuesday January 12, 2010.

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Focus on previously identified areas of missing functionality and major components of each function in the Checklist (i.e., for GFE, one could perform a brief assessment of grid population, simple editing, smart tool creation/editing, temporal editor, product generation, ISC, etc.)

Please use the MDM Checklist.xls document as a guideline to determine which organization should be reviewing each Checklist item. We need FULL coverage – so each of the Checklist items should be assessed.

4.2 Gap Test Case Execution

4.2.1 New MDM Test Cases – Gap Filling Exercise Test Cases

The test cases for the SIT are listed in the MDM v7.1, and can be seen below in Table 4-1. The test priority was determined based on the assignment in the “Checklist” tab in the MDM. The responsible organization is derived from the MDM Test ID.

If you encounter test steps that are AWIPS I oriented (rather than specific for AWIPS II), please make a note of it on a printed copy of the test case and turn them in to James.Calkins@noaa.gov. I'll update it in our test case repository and make sure it gets distributed to everyone (OPS, Raytheon, dev org(s)).

| MDM Test ID | Test Priority | MDM Test Name | Pass, Pass With TTRs, or Fail |
|-------------|---------------|--|-------------------------------|
| OHD1000 | Critical | Baseline_RFC_XDAT.v2.doc | |
| OHD1001 | Important | OHD_AM_TestProcedures_ObsFcst.doc | |
| OHD1002 | Important | OHD_AM_Test Procedure_PrecipMonitor.doc | |
| OHD1003 | Critical | OHD_AM_TestPlan_SHEFdecode_parser.doc | |
| OHD1004 | Important | OHD_AM_TestProcedures_BuildHourly.doc | |
| OHD1005 | Important | OHD_AM_TestProcedures_FFG_QPE_Mosaicking.doc | |
| OHD1006 | Important | OHD_AM_TestProcedures_RiverPro_HighLevel.doc | |
| OHD1007 | Important | OHD_AM_TestProcedures_Riverpro_GUI.doc | |
| MDL1000 | Critical | TP_CigCatDelta.doc | |
| MDL1001 | Critical | TP_CigCatDelta_New.doc | |
| MDL1002 | Critical | TP_CigMetarThresh_New.doc | |
| MDL1003 | Critical | TP_DDDelta_New.doc | |
| MDL1004 | Critical | TP_FFDelta_New.doc | |
| MDL1005 | Critical | TP_TSNotINTaf_New.doc | |
| MDL1006 | Critical | TP_VsbyMetarThresh_New.doc | |
| MDL1007 | Critical | TP_WxTafDelta_New.doc | |
| MDL1008 | Critical | SCAN_Cell_Table_test_casev2.doc | |
| MDL1009 | Critical | Guardian_Test_Cases.doc | |
| MDL1010 | Critical | FFMP_FFFG_Test_Casesv2.doc | |
| MDL1011 | Critical | FFMPA_Display_Test_Casesv2.doc | |
| MDL1012 | Critical | FFMPA_Foundation_Test_Casesv2.doc | |
| MDL1013 | Critical | TP_TAFEditor_GFSLAMP.doc | |
| MDL1014 | Critical | TP_TAFEditor_GFSMOS.doc | |
| MDL1015 | Critical | TP_TAFEditor_METARS.doc | |
| MDL1016 | Critical | TP_TAFEditor_NAMMOS.doc | |
| MDL1017 | Critical | TP_TAFEditor_NDFD.doc | |

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| MDM Test ID | Test Priority | MDM Test Name | Pass, Pass With TTRs, or Fail |
|-------------|---------------|---|-------------------------------|
| MDL1018 | Critical | TP_TAFEditor_QC.doc | |
| MDL1019 | Critical | TP_TAFEditor_TUG.doc | |
| MDL1020 | Critical | TP_SiteInfoConfig.doc | |
| MDL1021 | Critical | TP_ResourceEditor.doc | |
| MDL1022 | Critical | SCAN_DMD_Test_Case.doc | |
| MDL1023 | Critical | FFMP_FFTI_Test_Cases.doc | |
| MDL1024 | Critical | SCAN_Meso_Table_test_casev2.doc | |
| MDL1025 | Critical | SCAN_TV5_Table_test_case.doc | |
| MDL1026 | Critical | SCAN_DMS_test_case.doc | |
| MDL1027 | Critical | SCAN_Foundation_Test_Case.doc | |
| MDL1028 | Critical | SCAN_DRT_Instructions.doc | |
| MDL1029 | Critical | SCAN_RUprocessor_Test_Case.doc | |
| MDL1030 | Critical | FFMP_DMS_test_case.doc | |
| MDL1031 | Recommended | LSR_GUI_Test_Cases.doc | |
| MDL1032 | Critical | SCAN_Menu_Misc_Products_Test_Case.doc | |
| MDL1033 | Critical | TestReviewforFSIOB9_afterReview3.doc | |
| MDL1034 | Important | SAFESEAS_ConfigDisplayThresh.doc | |
| MDL1035 | Critical | TP_PersistenceMonitor.doc | |
| MDL1036 | Important | SAFESEAS_Table_test_case.doc | |
| MDL1037 | Important | SNOW_ConfigDisplayThresh.doc | |
| MDL1038 | Important | FogMonitor_ConfigDisplayThresh.doc | |
| MDL1039 | Important | SNOW_Table_test_case.doc | |
| MDL1040 | Important | SAFESEAS_ConfigMonitorThresh.doc | |
| MDL1041 | Important | SNOW_ConfigMonitorThresh.doc | |
| MDL1042 | Important | SAFESEAS_ConfigMonitorArea.doc | |
| MDL1043 | Important | SNOW_ConfigMonitorArea.doc | |
| MDL1044 | Important | FogMonitor_Table_test_case.doc | |
| MDL1045 | Critical | Processors_test_case.doc | |
| MDL1046 | Critical | Localization_test_case.doc | |
| SEC1000 | Important | optionsSetTime.pl | |
| SEC1001 | Important | Display_Performance_Test_to11s45_07oct2009.doc | |
| SEC1002 | Important | Display_Startup_Performance_to11s45_06oct2009.doc | |
| SEC1003 | Critical | TextWorkstationEditing.doc | |
| SEC1004 | Critical | TextWorkstationProdHeader.doc | |
| SEC1005 | Important | TestCase12Planet.zip | |
| SEC1006 | Critical | TextWorkstationScripting.doc | |
| SEC1007 | Critical | TestWorkstationAlarmAlert.doc | |
| SEC1008 | Important | Baseline_ServerCrons_LX.doc | |
| GSD1000 | Critical | Baseline_IFPS_ServiceBackup_01.doc | |
| GSD1001 | Critical | Baseline_IFPS_ServiceBackup_02.doc | |
| GSD1002 | Critical | Baseline_IFPS_ServiceBackup_03.doc | |

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| MDM Test ID | Test Priority | MDM Test Name | Pass, Pass With TTRs, or Fail |
|-------------|---------------|--|-------------------------------|
| GSD1003 | Critical | Baseline_IFPS_ServiceBackup_04.doc | |
| GSD1004 | Critical | Baseline_IFPS_ServiceBackup_05.doc | |
| GSD1005 | Critical | Baseline_IFPS_ServiceBackup_06.doc | |
| GSD1006 | Critical | Baseline_IFPS_ServiceBackup_07.doc | |
| GSD1007 | Critical | Baseline_IFPS_ServiceBackup_08.doc | |
| GSD1008 | Critical | Baseline_IFPS_ServiceBackup_09.doc | |
| GSD1009 | Critical | Baseline_IFPS_ServiceBackup_10.doc | |
| GSD1010 | Critical | Baseline_IFPS_ServiceBackup_11.doc | |
| GSD1011 | Critical | Baseline_IFPS_ServiceBackup_12.doc | |
| GSD1012 | Critical | Baseline_IFPS_SBMultiDomains_13.doc | |
| GSD1013 | Critical | Baseline_IFPS_SBMultiDomains_14.doc | |
| GSD1014 | Critical | Baseline_IFPS_SBMultiDomains_15.doc | |
| GSD1015 | Critical | Baseline_IFPS_SBMultiDomains_16.doc | |
| GSD1016 | Critical | TestCaseLocalization.doc | |
| GSD1017 | Critical | TestCaseNotificationServer.doc | |
| GSD1018 | Critical | TestCaseOCONUS.doc | |
| GSD1019 | Important | TestCaseStartD2D.doc | |
| GSD1020 | Important | TestCaseAWIPSStartUpMenu.doc | |
| GSD1021 | Important | TestCaseToolBarGaps.doc | |
| GSD1022 | Important | TestCaseView.doc | |
| GSD1023 | Important | TestCaseOptionsMenu.doc | |
| GSD1024 | Critical | TestCasePlugins.doc | |
| GSD1025 | Important | TestCaseTearOffMenus.doc | |
| GSD1026 | Important | TestCaseLAPS.doc | |
| GSD1027 | Important | TestCaseMSAS.doc | |
| GSD1028 | Recommended | TestCaseHelpMenu.doc | |
| GSD1029 | Important | TestCaseOther.doc | |
| GSD1030 | Important | TestCaseVariances.doc | |
| GSD1031 | Important | TestCaseOtherD2DoperationalCapabilites.doc | |
| OPS1000 | Critical | WarnGen_dam_info.doc | |
| OPS1001 | Critical | Test Cases for QCMS WBS 9.doc | |
| OPS1002 | Critical | Baseline_NWRBrowser.doc | |
| OPS1003 | Critical | Administrative MHS FM 3_6.doc | |

Table 4-1 New MDM Test Cases – Gap Filling Exercise Test Cases

4.2.2 Updated/Enhanced MDM Test Cases – Gap Filling Exercise Test Cases

| MDM Test ID | Test Priority | MDM Test Name | Pass, Pass With TTRs, or Fail |
|-------------|---------------|--|-------------------------------|
| GSD0624 | Important | Baseline_D2D_UpAir_M_Slice3.100809.doc | |
| GSD0630 | Important | Baseline_D2D_Maps_M_TO11 v2.doc | |

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| MDM Test ID | Test Priority | MDM Test Name | Pass, Pass With TTRs, or Fail |
|-------------|---------------|--|-------------------------------|
| GSD0631 | Important | TC_Baseline_Satellite_M_TO11_Modified.doc | |
| GSD0632 | Important | Baseline_D2D_Tools_Modified.doc | |
| GSD0633 | Important | Checkout_SkewT_Modified.doc | |
| GSD0634 | Important | TC_Baseline_D2D_Maps_M_TO11-1_Modified.doc | |
| MDL0083 | Recommended | Checkout_HWR.doc | |
| SEC0061 | Critical | Baseline_HazCollect v2.doc | |
| SEC0062 | Critical | Baseline_NCF_Archive v2.doc | |
| OHD0072 | Critical | Baseline_HYDRO_WHFS_Hydroview.doc | |
| OHD0073 | Critical | OHD_AM_TestProc_TimeSeries.v2.doc | |
| OHD0074 | Critical | OHD_AM_TestProcedures_Hydrobase.v2.doc | |
| OHD0075 | Critical | Baseline_RFC_XNAV.v2.doc | |
| OHD0076 | Critical | OHD_AM_TestProcedures_Filepurge.v2.doc | |
| OHD0077 | Critical | Baseline_MPE_M.v2.doc | |
| OHD0078 | Critical | Baseline_HYDRO_WHFS_Hydroview.v3.doc | |
| OHD0079 | Important | OHD_AM_TestProcedures_SiteSpecific_SSHP.v2.doc | |

Table 4-2 Updated/Enhanced MDM Test Cases – Gap Filling Exercise Test Cases

4.3 Further Evaluation of Previously Identified Missing Functionality

The government and Raytheon have identified areas of missing functionality and documented them as either TTRs or DRs. The Tables 4-3 and 4-4 below show those reports.

Day 1 of the SIT should be focused on determining areas of major missing functionality. After that, the top priority for SIT is the execution of the test cases listed in section 4.1 of this. The TTRs and DRs listed in this section are intended to be used as a GUIDELINE about what to look for when searching for missing functionality. It is not expected that all of these TTRs/DRs will be verified, nor is it expected that all of these TTRs/DRs are considered “major” areas of functionality.

| TTR | Functional Area | Pass, Pass With TTRs, or Fail |
|------|------------------|-------------------------------|
| 1505 | SCAN | |
| 1506 | SCAN | |
| 1508 | SCAN | |
| 1511 | SCAN | |
| 1512 | SCAN | |
| 1516 | Hydro | |
| 1556 | AvnFPS | |
| 1561 | AvnFPS | |
| 1563 | AvnFPS | |
| 1574 | Text Workstation | |
| 1601 | AvnFPS | |

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| TTR | Functional Area | Pass, Pass With TTRs, or Fail |
|------|-----------------|-------------------------------|
| 1608 | GFE | |
| 1611 | D2D | |
| 1613 | GFE | |
| 1618 | RiverPro | |
| 1622 | HydroView | |
| 1624 | GFE | |
| 1626 | GFE | |
| 1627 | MPE | |
| 1628 | MPE | |
| 1629 | MPE | |
| 1630 | D2D – NCEP | |
| 1631 | MPE | |
| 1633 | MPE | |
| 1634 | CAVE | |
| 1636 | CAVE | |
| 1640 | D2D - NCEP | |
| 1641 | D2D - NCEP | |
| 1650 | WarnGen | |
| 1672 | D2D – Hydro | |
| 1673 | D2D – Hydro | |
| 1674 | D2D – Hydro | |
| 1675 | D2D – Hydro | |
| 1680 | D2D – Hydro | |
| 1681 | D2D – Hydro | |
| 1682 | D2D – Hydro | |
| 1684 | D2D – Hydro | |
| 1686 | D2D – Hydro | |
| 1687 | D2D – Hydro | |
| 1688 | D2D – Hydro | |
| 1689 | D2D – Hydro | |
| 1691 | D2D – Hydro | |
| 1692 | D2D – Hydro | |
| 1693 | D2D – Hydro | |
| 1695 | D2D – Hydro | |
| 1696 | D2D – Hydro | |
| 1697 | D2D – Hydro | |
| 1700 | GFE | |
| 1705 | GFE | |
| 1707 | GFE | |
| 1725 | TTR 1177 | |
| 1726 | D2D – Obs | |

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| TTR | Functional Area | Pass, Pass With TTRs, or Fail |
|------|-----------------|-------------------------------|
| 1727 | D2D – Obs | |
| 1728 | EAV Tool | |
| 1729 | D2D – Obs | |
| 1730 | D2D – Obs | |
| 1731 | D2D – Obs | |
| 1732 | Radar Tilts | |
| 1733 | D2D – Obs | |
| 1738 | Skew-T | |
| 1739 | D2D – Obs | |
| 1740 | D2D – Obs | |
| 1741 | D2D – Obs | |
| 1742 | D2D – Upper Air | |
| 1743 | D2D – Obs | |
| 1744 | D2D - POES | |
| 1746 | D2D – Obs | |
| 1747 | D2D – Obs | |
| 1748 | D2D – Obs | |
| 1750 | D2D – Derived | |
| 1751 | D2D – Obs | |
| 1752 | D2D – Satellite | |
| 1753 | D2D – Obs | |
| 1754 | SCAN | |
| 1755 | D2D – Obs | |
| 1758 | GFE | |
| 1765 | MPE | |
| 1766 | MPE | |

Table 4-3 Missing Functionality TTRs

| DR | Functional Area | Pass, Pass With TTRs, or Fail |
|-----|------------------|-------------------------------|
| 766 | | |
| 786 | Bundles | |
| 790 | Radar | |
| 802 | Bundles | |
| 809 | D2D contours | |
| 850 | Volume Browser | |
| 871 | Warngen | |
| 872 | Text Workstation | |
| 922 | Volume Browser | |
| 947 | D2D | |

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| DR | Functional Area | Pass, Pass With TTRs, or Fail |
|------|--------------------|-------------------------------------|
| 1020 | Topo | |
| 1028 | D2D Hydro | |
| 1029 | D2D Upper Air | |
| 1231 | GFE | |
| 1442 | GFE | |
| 1783 | HydroView | |
| 1886 | HydroBase | |
| 1914 | MPE | |
| 1992 | Archive | |
| 2038 | Time Series | |
| 2039 | XDAT | |
| 2126 | D2D | |
| 2158 | D2D Bundles | |
| 2198 | D2D | |
| 2238 | Terminal | |
| 2239 | D2D | |
| 2242 | Monitor Controller | |
| 2270 | GFE | |
| 2291 | Skew-T | |
| 2310 | GFE | |
| 2368 | D2D – Satellite | |
| 2401 | Time Series | |
| 2496 | D2D – Radar | |
| 2658 | D2D | |
| 2681 | D2D – Satellite | |
| 2744 | Text Workstation | |
| 2771 | HydroBase | |
| 2773 | HydroBase | |
| 2941 | GFE | |
| 2951 | GFE | |
| 2958 | GFE | |
| 2969 | D2D – Obs | |
| 2995 | GFE | |
| 3037 | D2D – Maps | |
| 3042 | D2D – Radar | |
| 3094 | AvnFPS | |
| 3106 | D2D | |
| 3267 | D2D | |
| 3281 | MPE | |
| 3298 | HydroView | |
| 3299 | HydroView | |

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| DR | Functional Area | Pass, Pass With TTRs, or Fail |
|------|-----------------|-------------------------------------|
| 3314 | D2D – Hydro | |
| 3318 | D2D – Derived | |
| 3322 | GFE – SvcBu | |
| 3351 | Skew-T | |
| 3352 | D2D | |
| 3353 | GFE | |
| 3381 | MPE | |
| 3391 | D2D – Volume | |
| 3437 | D2D | |
| 3442 | HydroGen | |
| 3443 | D2D – Hydro | |
| 3479 | Hydro | |
| 3506 | D2D | |
| 3507 | D2D | |
| 3508 | D2D | |
| 3510 | D2D | |
| 3511 | D2D | |
| 3521 | D2D | |
| 3522 | D2D | |
| 3523 | D2D | |
| 3524 | D2D | |
| 3525 | D2D | |
| 3526 | D2D | |
| 3527 | D2D | |
| 3580 | GFE | |
| 3586 | D2D | |
| 3651 | D2D | |
| 3698 | D2D – Radar | |
| 3727 | D2D – Volume | |
| 3729 | D2D – Volume | |
| 3737 | FFMP | |
| 3743 | FSI | |
| 3754 | D2D | |
| 3792 | D2D | |
| 3796 | SCAN | |
| 3824 | GFE | |
| 3826 | GFE | |
| 3868 | D2D | |
| 3869 | D2D | |
| 3889 | SAFESEAS | |
| 3896 | D2D | |

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| DR | Functional Area | Pass, Pass With TTRs, or Fail |
|------|-----------------|-------------------------------|
| 3915 | FFMP | |
| 3917 | FFMP | |
| 3922 | D2D – Radar | |
| 3935 | FFMP | |
| 3937 | FFMP | |
| 3940 | SCAN | |
| 3945 | D2D | |
| 3950 | GFE | |
| 3952 | D2D | |
| 3961 | D2D | |
| 3965 | D2D | |
| 3984 | Hydro | |
| 4015 | D2D | |

Table 4-4 Missing Functionality DRs

4.4 Ad-hoc Testing

Again, as time permits, testers are encouraged to review areas of the software of importance to them. If possible, it should be focused on critical functionality and/or areas not covered by the test cases listed in section 4.1 of this plan.

The results of this ad-hoc testing will be reported, and any new defects identified will be documented as TTRs.

4.5 TTR Creation

TTRs should be created in Test Track Pro “reasonably” quickly after issues are discovered. You must have an account in Test Track Pro. Test Track Pro is accessed at the following address:

<http://webdev1.weather.gov/ttweb/login.htm>

Select the “Go To Login” button. From the following screen, select a Project of “Preliminary Testing for AWIPS II”, then enter you Username and Password.

Two options for creating new TTRs are suggested:

- 1) Keep track of your issues throughout the day, then create your TTRs when you have completed testing for the day. Note that there is a limit to the number of users that can access Test Track Pro at once. If you are unable to log in, please enter you TTRs early the following morning.
- 2) There is a way to access Test Track Pro from the NHDA lab. If you have an account on a development system within SSMC2 (e.g. NHDW, NAPO), you may be able to access Test Track Pro from the lab. If not and you wish to get access, please see Jim Williams, who can create a temporary NAPO account.

Keep in mind that you should search the TTR database BEFORE creating new TTRs to make sure that the defect was not already documented.

5 Test Resources

AE SIT Plan

5.1 Team Members

The following organizations/ team members are involved in the SIT

- SEC – Olga Brown-Leigh, Jim Calkins, Stowe Davison, Deirdre Jones, Oanh Nguyen, Alissa Thomas, Jim Williams
- MDL – Tom Filiaggi, Dan Gilmore, CeCe Mitchell
- OHD/HSD – Chip Gobs, ???
- OPS/SST – Baoyu Yin, ???
- OCWWS – Cammye Sims, Shannon White
- GSD (not on NHDA) - ???
- Others from various organizations, performing ad-hoc testing

5.2 Test Machines

5.2.1 Hardware

5.2.1.1 NWS HQ

The following hardware items are configured as the test computer at NWS HQ:

- Linux – workstation
 - Computer: HP xw6200
 - Processors: Dual 2.8 GHz
 - Memory: 2 Gigabyte RAM
 - Hard Drive: 32 Gigabyte SCSI
 - Video Card: GForce 7600 GT with 256 Megabytes RAM
 - Monitor: Three 19" LCD Monitors
- Linux - server
 - Computer: Dell Poweredge 2950
 - Processors: Quad-Core Intel Xeon 2.33 GHz
 - Memory: 8 Gigabyte RAM
 - Hard Drive: 146 Gigabyte SAS drive
 - Video Card: G Force 7600 GT with 256 Megabytes RAM
 - Monitor: Three 19" LCD Monitors

5.2.2 Software

5.2.2.1 NWS HQ

•Linux

- Red Hat Enterprise Linux (RHEL) 4 u2
- JAVA 2 version 1.5.0_04-b05
- AWIPS OB9

5.3 Test Facilities

5.3.1 NHDA

The test facility NHDA is located on the 7th floor in SSMC-2, Silver Spring, MD.