

**AWIPS II**

**Broadcast Message Handler (BMH) System**

**Test Procedures**

**<mmm yyyy> Test**

**Document No. xxx**

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**Operations and Maintenance**

**Work Assignment 24.2**

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**Table of Contents**

***Page***

[Revision History iii](#_Toc418765088)

[1 Scope 1](#_Toc418765089)

[1.1 Summary of Test 1](#_Toc418765090)

[2 APPLICABLE DOCUMENTS 3](#_Toc418765091)

[2.1 Source Documents 3](#_Toc418765092)

[2.2 Reference Documents 3](#_Toc418765093)

[3 Test Case description 4](#_Toc418765094)

[3.1 Assumptions, Constraints, Limitations and Preconditions 4](#_Toc418765095)

[3.2 REQUIREMENTS 5](#_Toc418765096)

[3.3 TEST TOOLS 6](#_Toc418765097)

[3.4 TEST ENVIRONMENT PREPARATION 7](#_Toc418765098)

[3.5 Test Inputs 7](#_Toc418765099)

[3.6 Test Outputs 7](#_Toc418765100)

[4 Test Scenario 8](#_Toc418765101)

[4.1 PRE-TEST PREPARATIONS AND CHECKS 8](#_Toc418765102)

[4.2 System Administration 8](#_Toc418765103)

[4.3 BMH Menus Functionality 12](#_Toc418765104)

[4.3.1 BMH Menu: Transmitters 12](#_Toc418765105)

[4.3.1.1 Transmitters 🡪 Transmitter Configuration… 12](#_Toc418765106)

[4.3.1.2 Transmitters 🡪 Transmitter Alignment… 31](#_Toc418765107)

[4.3.1.3 Transmitters 🡪 Listening Area… 36](#_Toc418765108)

[4.3.1.4 Transmitters 🡪 Disable Silence Alarm… 46](#_Toc418765109)

[4.3.1.5 Transmitters 🡪 Broadcast Cycle… 50](#_Toc418765110)

[4.3.2 BMH Menu: Programs 62](#_Toc418765111)

[4.3.2.1 Programs 🡪 Broadcast Programs… 62](#_Toc418765112)

[4.3.3 BMH Menu: MessageS 69](#_Toc418765113)

[4.3.3.1 Messages 🡪 Suite Manager… 69](#_Toc418765114)

[4.3.3.2 Messages 🡪 Message Types… 74](#_Toc418765115)

[4.3.3.3 Messages 🡪 Message Type Association… 79](#_Toc418765116)

[4.3.3.4 Messages 🡪 Weather Messages… 80](#_Toc418765117)

[4.3.3.5 DMO MESSAGES: Messages 🡪 Send Demo Message… 96](#_Toc418765118)

[4.3.3.6 Messages 🡪 Emergency Override… 99](#_Toc418765119)

[4.3.3.7 Messages 🡪 Broadcast Live… 119](#_Toc418765120)

[4.3.4 BMH Menu: System 120](#_Toc418765121)

[4.3.4.1 System 🡪 Import Legacy DB… 120](#_Toc418765122)

[4.3.5 BMH Menu: Maintenance 120](#_Toc418765123)

[4.3.5.1 Maintenance 🡪 LDAD Configuration… 120](#_Toc418765124)

[4.3.5.2 Maintenance 🡪 Manage Dictionaries… 124](#_Toc418765125)

[4.3.5.3 Maintenance 🡪 Import BMH Dictionary… 131](#_Toc418765126)

[4.3.5.4 Maintenance 🡪 Convert Legacy Dictionary… 132](#_Toc418765127)

[4.3.5.5 Maintenance 🡪 DAC Configurations… 134](#_Toc418765128)

[4.3.5.6 Maintenance 🡪 Voice Configuration… 137](#_Toc418765129)

[4.4 Input Message Handler 138](#_Toc418765130)

[4.4.1 Message Processing 138](#_Toc418765131)

[4.4.1.1 Message Retention and Purge 138](#_Toc418765132)

[4.5 Message and live voice broadcast management 141](#_Toc418765133)

[4.5.1 Alarms 141](#_Toc418765134)

[4.5.1.1 Silence Alarm 141](#_Toc418765135)

[4.5.2 Tone and Code SupporT 146](#_Toc418765136)

[4.5.2.1 Alert and SAME Tones 146](#_Toc418765137)

[4.5.2.2 Tone Blackouts 155](#_Toc418765138)

[4.5.2.3 Transfer Tones 159](#_Toc418765139)

[4.5.2.4 Max Counties Listening Areas Test 165](#_Toc418765140)

[4.5.3 VOICE Record and Playback 171](#_Toc418765141)

[4.5.4 StationID and Time Message Preamble and Postamble Test 174](#_Toc418765142)

[4.5.5 Spanish Voice Selection and Message Playback 178](#_Toc418765143)

[4.5.6 Two-Minute Message Duration Limit Test 185](#_Toc418765144)

[4.6 Broadcast Modes 187](#_Toc418765145)

[4.6.1 Operational Mode 187](#_Toc418765146)

[4.6.1.1 Message Transmission 187](#_Toc418765147)

[4.6.1.2 Broadcast Live… Operations 200](#_Toc418765148)

[4.6.1.3 Trigger Messages 204](#_Toc418765149)

[4.6.1.4 Interrupt Message 207](#_Toc418765150)

[4.6.1.5 Multiple Interrupts Test 219](#_Toc418765158)

[4.6.1.6 Message Reference Descriptor (MRD) Message Replacement Test 224](#_Toc418765159)

[4.6.1.7 Message Type Association (MAT) Replacement Test 229](#_Toc418765160)

[4.6.1.8 Polygon Parsing Test 233](#_Toc418765161)

[4.6.1.9 Suite Category Switching Test 236](#_Toc418765162)

[4.6.1.10 Messages Assigned to Program Test 245](#_Toc418765163)

[4.6.1.11 Periodicity Test 258](#_Toc418765170)

[4.6.2 Practice Mode 267](#_Toc418765171)

[4.6.2.1 System 🡪 Import Legacy DB… 267](#_Toc418765172)

[4.6.2.2 System 🡪 Copy Operational DB… 273](#_Toc418765173)

[4.6.3 Unacceptable Word Filtering 280](#_Toc418765174)

[4.6.4 Broadcast Suite Management 293](#_Toc418765175)

[4.7 Message Test Scenarios 302](#_Toc418765176)

[4.7.1 BMH Automated Message Test ScenarioS 302](#_Toc418765177)

[4.7.1.1 Preparation of Test Environment for BMH Automated Message Test Scenarios 302](#_Toc418765178)

[4.7.1.2 Initiating the BMH Automated Message Test Scenarios 303](#_Toc418765179)

[4.7.1.3 Completion of BMH Automated Message Testing 320](#_Toc418765180)

[5 Requirements verification traceability matrix (RVTM) 321](#_Toc418765181)

[6 Test Support Materials 373](#_Toc418765182)

[6.1 Test Message Formats 373](#_Toc418765183)

[6.1.1 BADMESSAG.V0130\_222\_10045000 373](#_Toc418765184)

[6.1.2 BOUFLSOSH.V0130\_130\_10023723 373](#_Toc418765185)

[6.1.3 OMAPNSBAS.V0130\_LdadChk 374](#_Toc418765186)

[6.1.4 OMATORBAS.V0267\_887\_09020904)\_NBO 374](#_Toc418765187)

[6.1.5 OMATORBAS.V0267\_887\_09020904)\_WBO (sample tone message – WITH Blackout) 375](#_Toc418765188)

[6.1.6 LDAD Test Message 375](#_Toc418765189)

[6.1.7 MAT Test Messages 375](#_Toc418765190)

[6.1.7.1 MATTest1 375](#_Toc418765191)

[6.1.7.2 MATTest2 376](#_Toc418765192)

[6.1.7.3 MATTestTWO1 376](#_Toc418765193)

[6.1.7.4 MATTestTWO2 377](#_Toc418765194)

[6.1.8 MRD Test Messages 377](#_Toc418765195)

[6.1.8.1 MRDTest1\_OrigMsg\_MRD123 377](#_Toc418765196)

[6.1.8.2 MRDTest2\_ReplMsg\_MRD124R123 377](#_Toc418765197)

[6.1.8.3 MRDTest3\_RESUBReplMsg\_MRD124R123 378](#_Toc418765198)

[6.1.8.4 MRDTest4\_ReplMsg\_MRD125R124123 378](#_Toc418765199)

[6.1.9 PolyGon Parsing Test 378](#_Toc418765200)

[6.1.9.1 Polygon Test 1 378](#_Toc418765201)

[6.1.9.2 Polygon Test 2 378](#_Toc418765202)

[6.1.9.3 Polygon Test 3 379](#_Toc418765203)

[6.1.9.4 Polygon Test 4 379](#_Toc418765204)

[6.1.10 SPANISH TXT MESSAGES 379](#_Toc418765205)

[6.1.10.1 Msg\_1\_SvrStrm\_Spanish.txt 379](#_Toc418765206)

[6.1.10.2 Msg\_2\_SvrStmt\_Spanish.txt 379](#_Toc418765207)

[6.1.11 Sample TEXT EXTRACTS 380](#_Toc418765208)

[6.1.11.1 Sample\_ENGishText.txt 380](#_Toc418765209)

[6.1.11.2 Sample\_SpanishText.txt 381](#_Toc418765210)

**List of Tables**

***Page***

[Table 1 – Test Steps and Expected Results 8](#_Toc418765211)

[Table 2 – Requirements Verification Traceability Matrix (RVTM) 322](#_Toc418765212)

**Acronyms and Abbreviations Used in This Document**

|  |  |
| --- | --- |
| AvnFPS | Aviation Forecast Preparation System |
| AWIPS | Advanced Weather Interactive Processing System |
| BGAN | Broadband Global Area Network |
| BMH | Broadcast Message Handler |
| CAP | Common Alerting Protocol |
| CAVE | Common AWIPS Visualization Environment |
| cd | (Linux command) Change Directory |
| CONUS | Continental United States; Contiguous United States |
| COOP | Continuity Of Operations Planning |
| cp | (Linux command) Copy |
| ctrl | Control Key (on keyboard) |
| CWSU | Center Weather Service Unit |
| DAC | Digital Analog Converter |
| D2D | Display 2-Dimensional |
| EAS | Emergency Alert System |
| EDEX | Enterprise Data EXchange |
| EO | Emergency Override |
| FFMP | Flash Flood Monitoring and Prediction |
| FRD | Functional Requirements Document |
| GFE | Graphical Forecast Editor |
| GUI | Graphical User Interface |
| IHFS | Integrated Hydrologic Forecast System |
| IMET | Incident METeorologist |
| IP | Internet Protocol |
| ISS | Incident Support Specialist |
| JMS | Java Messaging System |
| LAN | Local Area Network |
| MAT | Message Type Association |
| MB1 | Mouse Button 1 (Left Mouse Button) |
| MB2 | Mouse Button 2 (Middle Mouse Button) |
| MB3 | Mouse Button 3 (Right Mouse Button) |
| MPE | Multi-sensor Precipitation Estimates |
| MRD | Message Reference Descriptor |
| NOAA | National Oceanic and Atmospheric Administration |
| NWR | National Weather Radio |
| RFC | River Forecast Center |
| RFP | Request for Proposal |
| RTM | Requirements Traceability Matrix |
| SAME | Specific Area Message Encoding |
| scp | (Linux command) Secure Copy |
| UCT | Universal Coordinated Time |
| Win32 | Common 32–bit Microsoft Windows platform |
| WFO | Weather Forecast Office |
| WSO | Weather Service Office |
|  |  |

1. Scope

The objective of test is to demonstrate the AWIPS II System’s Broadcast Message Handler (BMH) capabilities in accordance with the BMH Functional Requirements Document (FRD) and Requirements Traceability Matrix (RTM).

* 1. Summary of Test

This test focuses on demonstrating achievement of the core CRS operational needs that include message collection, processing, scheduling, broadcast and monitoring. The AWIPS-II system at each Weather Forecast Office (WFO) creates, process, and distributes messages that include weather observations and forecasts; watches, warnings and advisories, and hazards information. The AWIPS-II system simultaneously accepts text, digitized voice, live voice, and other data from authorized sources. Capabilities include:

* County codes processing,
* Specific Area Message Encoding (SAME) and alert tones activation,
* Text-to-speech synthesis,
* Emergency override and live voice broadcast.

Section 4.0, which contains the test procedure steps, is arranged into eight (8) subsections, each associated with the complete or partial verification of different requirements.

4.1 PRE-TEST PREPARATIONS AND CHECKS

Pretest system preparations.

4.2 System Administration

This section demonstrates the System Administrator functionality.

4.3 BMH Menus Functionality

This section demonstrates the BMH Menus.

4.4 Input Message Handler

This section demonstrates the BMH Input Message Handler functionality.

4.5 Message and live voice broadcast management

This section demonstrates the Message and Live Voice Broadcast Management functionality.

4.6 Broadcast Modes

This section demonstrates the User and National Weather Radio (NWR) – BMH Operator Interfaces.

4.7 Message Test Scenarios

This section demonstrates the processing of different message test scenarios.

1. APPLICABLE DOCUMENTS
   1. Source Documents

* None
  1. Reference Documents
* Existing AWIPS II test procedures
* Broadcast Messenger Handler (BMH) Project Functional Requirements Document (FRD) for CRS2AWIPS, Version 1, dtd 20 Nov 2013
* NOAA/NWS Weather Radio (NWR) Console Replacement System Operational Build 11.0 Site Operator’s Manual, dtd Jul 2013
* BMH Test Scenarios, Joel Nathan (NOAA), dtd 16 Oct 2014
* National Weather Service Policy Directive 10-17 and the following Instructions

1. [10-1702 Universal Geographic Code (UGC)](http://www.nws.noaa.gov/directives/010/pd01017002a.pdf)
2. [10-1710 NOAA Weather Radio (NWR) Dissemination](http://www.nws.noaa.gov/directives/010/pd01017010a.pdf)
3. [10-1712 NOAA Weather Radio (NWR) Specific Area Messaging Encoding (SAME)](http://www.nws.noaa.gov/directives/010/pd01017012a.pdf)
4. 30-4106 LIGHTNING PROTECTION, GROUNDING, BONDING, SHIELDING, AND SURGE PROTECTION REQUIREMENTS

* WRIP Broadcast Management System (BMS) Message Format - Attachment H of WRIP Request for Proposal (RFP) package.
* Common Alerting Protocol (CAP) (v.XX) – Alert Message Format [http://www.oasis-open.org/specs/index.php#capv1.1](http://www.oasis-open.org/specs/index.php" \l "capv1.1)
* FCC 47 CFR 11 - Emergency Alert System (EAS): <http://www.fcc.gov/pshs/services/eas>/

1. Test Case description

|  |  |  |  |
| --- | --- | --- | --- |
| **BMH Test Case** |  |  |  |
| **Test Case Engineer** | J. Diaz | **Test Platform Used** |  |
| **Date Test Case Created** | 7 Dec | **Release Version** |  |
| **CI** |  | **Logged in User’s Role** |  |
| **Site Specific** |  | **Start Date / Time** |  |
| **TC Updated for Version** |  | **Completion Date/Time** |  |
| **Last Modified By** | Scott Nicholson | **Total Test Time** |  |
| **Executable Steps** | **1904** | **Pass/Fail/Pending** |  |

* 1. Assumptions, Constraints, Limitations and Preconditions

**Operational Mode vs Practice Mode**: The procedures for the test scenarios in this document are written from the perspective of testing in the Operational Mode. This, however, is not an absolute limitation on their execution. All the test steps can be executed with CAVE operating in Practice Mode. In all cases, the system functions in the same manner. This allows the procedures to be used for training exercises.

* There are, however, a couple of exceptions noted within the procedures, which specifically call for their execution in Practice Mode. This was done in this manner because their execution in Operational Mode would impact the operational database.

**Starting In Practice Mode:** To start the system in Practice Mode:

* Open a terminal and enter:

*/awips2/cave/cave.sh -mode practice*

|  |  |
| --- | --- |
| Documentation: | Any text within test procedures in this document surrounded by [ ] implies a button that must be selected. Examples of buttons include: [OK], [Edit…], [Cancel], and [Submit Message]. |
|  |  |
| Assumption: | Microphone and headsets are available and set up for doing live voice testing. |
| Constraint: | An AWIPS-II operationally-representative clustered environment shall be available for conducting this test. |
| Constraint: | AWIPS-II Build 15.1.1 or greater is installed. |
| Constraint: | Since AWIPS-II Build 15.1.1 is not baselined with BMH, the "*com.raytheon.uf.viz.bmh.feature.group*" plugin must be deployed/installed on the test system prior to the start of testing. |
| Precondition: | The tester has all necessary permissions to be able to login as either *root* or the *awips* user, as necessary for test execution. The tester is also familiar with navigating around the Linux environment and between systems. |
| Precondition | The tester has been assigned AWIPS User Admin privileges. |
| Precondition: | Enterprise Data Exchange (EDEX) and Alert Visualization (AlertViz) are running. |
| Precondition: | All required test files must be available for use on and by the test system. |
| Precondition: | If BMH messages are not operationally available, the BMH Data Simulator will be installed and available prior to test start. |
| Precondition: | If BMH messages are not operationally available, the BMH Testing Trigger\_Messages library will be available for use by the test bed. |
| Precondition: | A database browser such as pgAdmin should be installed and available on the test system to facilitate actions for querying the BMH database. The tester should also be familiar with using the application. |
| Precondition: | A text editor, such as vi, should be installed and available on the test system to facilitate viewing system logs and files. The tester should also be familiar with using this application. |

* 1. REQUIREMENTS
* The requirements associated with the BMH Test are listed in Section 5.0
* Test procedures contained in Section 4.0 describe the steps that will be taken during the AWIPS II test to verify achievement of the BMH requirement goals listed below:
  + - Message Collection
    - Message Processing
    - Message Scheduling
    - Message Broadcast
    - Message Monitoring
  1. TEST TOOLS
* The following test files must be available for use during testing. They should be copied to an accessible folder on the system such as /tmp:
  + - AFC-daily.ASC

**Note:** This file can also be found on the BMH server at /awips2/bmh/testSuite/config. However, from this location it will have to be secure copied (scp) from the BMH server to your local machine.

* + - BADMESSAG.V0130\_222\_10045000
    - BMH\_TestMessages.tgz
    - BOUFLSOSH.V0130\_130\_10023723 (RM3283)
    - LDAD Test Message
    - legacyDB\_siteSets.tgz
    - MAT Test Files
      * MATTest1
      * MATTestTwo1
      * MATTest2
      * MATTestTwo2
    - MRD Test Files
      * MRDTest1\_OrigMsg\_MRD123
      * MRDTest2\_ReplMsg\_MRD124R123
      * MRDTest3\_RESUBReplMsg\_MRD124R123
      * MRDTest4\_ReplMsg\_MRD125R124123
    - Msg\_1\_SvrStrm\_Spanish.txt
    - Msg\_2\_SvrStmt\_Spanish.txt
    - OMAPNSBAS.V0130\_LdadChk
    - OMATORBAS.V0267\_887\_09020904)\_NBO (sample tone message – No Blackout – RM3617)
    - OMATORBAS.V0267\_887\_09020904)\_WBO (sample tone message – With Blackout – RM3617)
    - testdictionaries.tgz
    - Polygon Parsing Test Files
      * PolygonTest 1
      * PolygonTest 2
      * PolygonTest 3
      * PolygonTest 4
    - Sample\_SpanishText.txt
    - wav files
      * AtlecticDeBilbaoCheer\_(16bPCM).wav
      * Dictate\_8k16bitpcm.wav
      * Ohno.wav
      * Spanish\_s001\_(16bPCM).wav
* The following test reference documents must be available for use during testing:
  + - ToneMessageModifications.docx document
  1. TEST ENVIRONMENT PREPARATION
* The System Administrator has the AWIPS II system installed and configured in readiness for testing.
* The System Administrator has system configured to support LDAD operations. These include ensuring the LDAD ls1 host exists and is appropriately linked.
* Prior to initiating BMH automated testing, the system needs to be localized to the AFC site. This requires use of the AFC legacy database needed to support this localization. This database is provided in the attached test files or it can be retrieved via secure copy (scp) from the */awips2/bmh/testSuite/config/* folder.
* have the AFC-daily.ASC file available on the local test machine. This file contains the legacy database for implementing the AFC
* Although not absolutely required, it is recommended that a database browser, such as pgAdmin is installed and available on the test system to facilitate actions for querying the BMH database. The tester can also query the database directly using a terminal window or by using any other database/SQL browser with which they may be familiar. The tester should also be familiar with using this application.
* Extract the legacyDB\_siteSets.tgz to a known location (i.e., /tmp/legacyDB.
* Extract the testdictionaries.tgz file into a dictLib folder in your home directory. The first three characters in the filenames (i.e., **OAX**-tom-sub.dic) may be modified to match your test environment localization.
* Microphone and headsets are available and set up for conducting live voice testing.
* A speaker is connected to the DAC to allow a tester to listen to test tones while a transmitter is disabled.
  1. Test Inputs
* Test Inputs:
  1. Test Outputs
* The results outlined in Section 4.0 are met.

1. Test Scenario

This section contains the test scenario procedures for this test case. The full list of requirements is provided in Section 5.0, Requirements Traceability Verification Matrix.

|  |
| --- |
| **NOTE**  **Operational Mode vs Practice Mode**  The test procedures in this document are written from the perspective of testing in the Operational Mode. This, however, is not a limitation on their execution. All the testing can be executed with CAVE operating in Practice Mode. In all cases, the system functions in the same manner detailed in this document. This allows the procedures to be used for training exercises. |

**Table 1 – Test Steps and Expected Results**

| Step # | Actions / Inputs | Expected Results | | P/F | Comments | |
| --- | --- | --- | --- | --- | --- | --- |
| NOTE: When actions call for checking the BMH database, the tester can query the database directly using a terminal window or by using any desired database/SQL browser such as pgadmin or Microsoft SQL Server. For purposes of test procedures, we have written the steps assuming the tester is familiar with pgadmin. | | | | | | |
| NOTE: In this document, anywhere text is surrounded by square brackets [ ] implies that a button having that must be selected. | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT ACTUAL TONES AND MESSAGES. | | | | | | |
| * 1. PRE-TEST PREPARATIONS AND CHECKS   Ensure that this test is being performed on an operationally-representative clustered environment system. | | | | | | |
|  | Review Section 3.0 and confirm with Configuration Management that a representative clustered environment is available for testing. | Operationally representative environment is available. | |  |  | |
| * 1. System Administration   This section demonstrates the system administration functionality. | | | | | | |
|  | Start D2D and select CAVE 🡪 AWIPS User Administration... | The User Admin dialog opens. | |  |  | |
|  | In the User Admin dialog select:   * Component: BMH * BMH Users tab |  | |  | BMH0046 BMH0047 BMH0205 BMH0206 | |
|  | Locate the <testerID> in the list and click the [Edit…] button. | The Edit User - <testerID> dialog opens. | |  |  | |
|  | With the Assigned Roles option selected in the Edit: dropdown menu, left-click mouse button 1 (MB1) on the Move all items left button to remove all roles. | All roles are removed from the Selected Roles column. | |  |  | |
|  | Select the Assigned Permissions option from the Edit: dropdown menu. Then MB1 on the Move all items left button to remove all permissions. | All permissions are removed from the Selected Permissions column. | |  |  | |
|  | Click the [OK] button to close the Edit User - <testerID> dialog. Then click the [Save] button to save the modifications. | The Edit User - <testerID> dialog closes. The modifications are saved. The User Admin dialog remains open. | |  | BMH0046 BMH0047 | |
|  | From the CAVE menu, select BMH. | | |  | BMH0182 BMH0185 BMH0205 BMH0206 BMH0210 BMH0229 BMH0230 | |
| Expected Result:  The BMH Menu dialog opens showing the System Status with all enabled and disabled Transmitters/Groups: | | |
|  | Attempt to select other BMH menu options or icons. | | |  | BMH0046 BMH0047 BMH0205 BMH0206 | |
| Expected Result:  Verify all other selections on the BMH Menu result in a Not Authorized window appearing with a message identifying lack of permissions. | | |
|  | Acknowledge the Not Authorized window. | The Not Authorized window closes. | |  |  | |
|  | On the User Admin dialog’s BMH Users tab, click [Edit]. | The Edit User - <testerID> dialog opens. | |  | BMH0046 BMH0047 | |
|  | On the Edit User - <testerID> dialog, select:   * Edit: Assigned Roles * Available Roles: select bmh.maintenance * Click [>] to move bmh.maintenance to the Selected Roles: field * [OK] * User Admin dialog: [Save] | * The Edit User - <testerID>dialog closes. * The modifications are saved. * The User Admin dialog remains open. | |  | BMH0046 BMH0047 BMH0205 BMH0206 | |
|  | On the BMH Menu dialog select Transmitters 🡪 Transmitter Alignment… | Transmitter Alignment dialog opens. | |  | BMH0046 BMH0047 | |
|  | Close the Transmitter Alignment dialog. | The Transmitter Alignment dialog closes. | |  |  | |
|  | Attempt to select other BMH menu options or icons. | With the exception of the Transmitter Alignment dialog, all other selections or icon selection result in the Not Authorized window. | |  | BMH0046 BMH0047 | |
|  | Acknowledge the Not Authorized windows. | The Not Authorized windows close. | |  |  | |
|  | On the User Admin dialog, with BMH selected in the Component dropdown menu, select the <testerID> from the BMH Users tab and click the [Edit...] button. | Edit User - <testerID > dialog opens. | |  | BMH0046 BMH0047 | |
|  | On the Edit User - <testerID > dialog:   * Remove bmh.maintenance from the Selected Roles * Add bmh.operator to the Selected Roles * [OK] * User Admin dialog: [Save] | * The Edit User - <testerID>dialog closes. * The modifications are saved. * The User Admin dialog remains open. | |  | BMH0046 BMH0047 | |
|  | On the BMH Menu dialog select:   * Maintenance | DAC Configuration... | The Not Authorized window appears with a message identifying lack of permissions. | |  | BMH0046 BMH0047 | |
|  | Acknowledge the Not Authorized window. | The Not Authorized window closes. | |  |  | |
|  | Attempt to select other BMH menu options or icons. | With the exception of the DAC Configuration dialog, all other menu selections or icon selections successfully open. | |  | BMH0046 BMH0047 | |
|  | Close all dialogs opened during the test of the previous step. | All opened dialogs close. | |  |  | |
|  | On the User Admin dialog, with BMH selected in the Component dropdown menu, select the <testerID> from the BMH Users tab and click the [Edit...] button. | Edit User - <testerID > dialog opens. | |  | BMH0046 BMH0047 | |
|  | On the Edit User - <testerID> dialog:   * Remove bmh.operator from the Selected Roles * Add bmh.admin to the Selected Roles * [OK] * User Admin dialog: [Save] | * The Edit User - <testerID>dialog closes. * The modifications are saved. * The User Admin dialog remains open. | |  | BMH0046 BMH0047 | |
|  | Attempt to select other BMH menu options or icons. | All selections or icon selections successfully open. | |  | BMH0046 BMH0047 BMH0205 BMH0206 | |
|  | Close all dialogs opened during the test of the previous step. | All opened dialogs close. | |  |  | |
|  | * On the User Admin dialog, with BMH selected in the Component dropdown menu, select the <testerID> from the BMH Users tab and click the [Edit...] button. | Edit User - <testerID > dialog opens. | |  | BMH0046 BMH0047 | |
|  | On the Edit User - <testerID> dialog:   * Add bmh.maintenance to the Selected Roles * Add bmh.operator to the Selected Roles * [OK] * User Admin dialog: [Save] | * The Edit User - <testerID>dialog closes. * The modifications are saved. All roles are assigned to <testerID> * The User Admin dialog remains open. | |  | BMH0205 BMH0206 | |
|  | Close the User Admin dialog | The User Admin dialog closes. | |  |  | |
| * 1. BMH Menus Functionality   This section demonstrates the BMH menus. | | | | | | |
| * + 1. BMH Menu: Transmitters   This section demonstrates the dialogs and GUIs associated with the Transmitters portion of the BMH menu: | | | | | | |
| * + - 1. Transmitters 🡪 Transmitter Configuration…   This section demonstrates the Transmitter Configuration dialog: | | | | | | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | Compare the Transmitter Configuration dialog to the BMH Menu System Status information. | The information contained in the two dialogs is consistent. The same transmitters, DACs and Ports reflect the same status. | |  | BMH0075 BMH0182 BMH0184 BMH0185 BMH0205 BMH0206 BMH0210 BMH0218 BMH0219 BMH0228 BMH0229 BMH0230 BMH0236 BMH0237 | |
|  | | |
|  | * Start a pgadmin session. Then open the BMH database and select:   *<BMH server>🡪Databases🡪bmh🡪Schemas🡪bmh🡪Tables🡪transmitter*   * Right-click mouse button 3 (MB3) on:   *transmitter 🡪 ‘View Data’ 🡪 ‘View Top 100 Rows’*   * Compare the results to the dialog contents at **Step 31**. | | |  | BMH0075 BMH0184 BMH0218 BMH0219 BMH0228 BMH0236 BMH0237 | |
| Expected Result:  The results are consistent. | | |
|  | Close the pgAdmin window. | The pgAdmin windows close. | |  |  | |
|  | **New Transmitter Group:** MB3 click in the Transmitter Configuration dialog and select New Group… | The New Transmitter Group dialog opens. | |  | BMH0075 BMH0168 BMH0169 BMH0179 BMH0180 BMH0238 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0228 BMH0239 BMH0240 BMH0241 | |
|  | Enter the following settings in the New Transmitter Group dialog:   * Group Name: TST * DAC: None * Program: <select a program assigned to a currently active transmitter> * Time Zone: UNIVERSAL COORDINATED TIME   [Save] | | |  | BMH0168 BMH0169 BMH0179 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The new group is created and listed in the Transmitter Configuration dialog:   * Group/Transmitter: Group * Name/Location: TST * Mnemonic: <blank> * Service Area: <blank> * DAC/Port: DAC N/A * Program: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Status: <blank> * Mode: <blank> | | |
|  | MB3 click on TST in the Transmitter Configuration dialog and select [Edit Group…]. | The Edit Transmitter Group dialog opens. | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | Enter the following settings in the Edit Transmitter Group dialog:   * Group Name: TST * DAC: dac1 * Program: <leave as previously select> * Time Zone: <leave as Universal Coordinated Time>   [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The updated selections update for the group in the Transmitter Configuration dialog:   * Group/Transmitter: Group * Name/Location: TST * Mnemonic: <blank> * Service Area: <blank> * DAC/Port: DAC dac1 * Program: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Status: <blank> * Mode: <blank> | | |
|  | In the Transmitter Configuration dialog, make note of the following items:   * The number of transmitters currently enabled * The number of DACs that are in use * The number of DAC Ports in use for each distinct DAC | | |  |  | |
| **Note: Each DAC can have up to four individual ports assigned.** | | |
| Expected Result:   * Number of enabled transmitters: \_\_\_ * Number of distinct DACs assigned to ENABLED transmitters: \_\_\_ * DAC Ports assigned to each DAC:   + DAC1: Ports in Use: \_\_\_ \_\_\_ \_\_\_ \_\_\_   + DAC2: Ports in Use: \_\_\_ \_\_\_ \_\_\_ \_\_\_   + DAC3: Ports in Use: \_\_\_ \_\_\_ \_\_\_ \_\_\_ | | |
|  | If there are any DACs using all four ports, proceed with the next step. Otherwise proceed to **Step 44**. |  | |  |  | |
|  | In the Transmitter Configuration dialog if four transmitters are assigned to the same DAC, then select one of the **ENABLED** transmitters and note its assigned DAC and Port numbers. | Location: \_\_\_\_\_\_\_\_\_\_  DAC ID: \_\_\_\_\_  DAC Port #: \_\_\_\_\_ | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
|  | Right-click on the **ENABLED** transmitter and select  Transmitter Status 🡪 Disable Transmitter. | | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **DISABLED**. | | |
|  | Right-click MB3 on the just-disabled transmitter and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, set the following parameters:   * DAC: None * DAC Port #: None   [Save] | | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
| Expected Result:  The assigned DAC and DAC Port # are removed from the transmitter (listed as N/A). | | |
|  | **NEW TRANSMITTER:**  MB3 click on any transmitter row in the Transmitter Configuration dialog and select New Transmitter… | The New Transmitter dialog opens. | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | **NOTE: If a group row was selected, the new transmitter will be created within the selected group. In the New Transmitter dialog, the Group Name, DAC, Program, and Time Zone settings will be automatically filled in the dialog with the DAC, Program, and Time Zone settings being uneditable.** | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Enter the following settings in the New Transmitter dialog:   * Group Name: Standalone * DAC: <available DAC identified at **Step 40**> * DAC Port #: <available DAC Port # identified at **Step 40**> * Mnemonic: TT1 * Frequency: 162.45 or <any frequency not in use> * Call Sign: TSTX01 * Program: <select an available program, if one is not available, one will need to be created per **Section 4.3.2.1**> * Time Zone: <leave as set> * Location: TxTest01 * Service Area: TT1Area * FIPS Code: <blank> * Languages: [Add…]   + Create Transmitter Language dialog     - [Select a Language] English     - [Select a Voice] Paul     - [OK]       * Create Transmitter Language dialog closes   + [Save]     - * New Transmitter dialog closes | | |
| Expected Result:   * The new transmitter is created and listed in the Transmitter Configuration dialog * Group/Transmitter: Transmitter * Name/Location: TxTest01 * Mnemonic: TT1 * Service Area: TT1Area * DAC/Port: <Available/Selected DAC / DAC Port # (see **Step 40**)> * Status: **DISABLED** * Mode: PRIMARY | | |
|  | In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on the TT1 transmitter and select:   Transmitter Status 🡪 Enable Transmitter   * Acknowledge the Confirm ENABLED popup window | | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **ENABLED**. | | |
|  | MB3 click on a transmitter in the Transmitter Configuration dialog and select New Transmitter…  Create three new transmitters per the following settings in the New Transmitter dialog:   * Group Name: Standalone * DAC: None * DAC Port #: None * Mnemonic: TT2 (TT3) (TT4) * Frequency: 162.50 or <any frequency not in use> * Call Sign: TSTX02 (TSTX03) (TSTX04) * Program: <select an available program, if one is not available, one will need to be created per **Section 4.3.2.1**> * Time Zone: < leave as set> * Location: TxTest02 (TxTest03) (TxTest04) * Service Area: TT2Area (TT3Area) (TT4Area) * FIPS Code: <blank> * Languages: [Add…]   + Create Transmitter Language dialog     - [Select a Language] English     - [Select a Voice] Paul     - [OK]       * Create Transmitter Language dialog closes     - [Add…]     - [Select a Language] Spanish     - [Select a Voice] Violeta     - [OK]       * Create Transmitter Language dialog closes * [Save]   + - New Transmitter dialog closes | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The new transmitters are created and listed in the Transmitter Configuration dialog.   * Group/Transmitter: Transmitter * Name/Location: TxTest02 (TxTest03) (TxTest04) * Mnemonic: TT2 (TT3) (TT4) * Service Area: TT2Area TT3Area TT4Area * DAC/Port: NA / N/A * Status: **DISABLED** * Mode: PRIMARY | | |
|  | **EDIT TRANSMITTER:**  In the Transmitter Configuration dialog, MB3 click on transmitter TT1 and select Transmitter Status->Disable Transmitter. Acknowledge the confirmation window. Once disabled, MB3 click on the transmitter and select Edit Transmitter…  When the Edit Transmitter dialog opens, set the following:   * Group Name: <leave as Standalone> * DAC: <leave as set per **Step 40**> * DAC Port #: None * Mnemonic: <leave as TT1> * Frequency: <leave as set> * Call Sign: <leave as TSTX01> * Program: <leave as set> * Time Zone: <leave as set> * Location: Change from “TxTest01” 🡪 “TT1Loc” * Service Area: <leave as TT1Area> * Languages:   + Highlight ENGLISH   + [Edit…]: The Edit Transmitter dialog opens.     - Rate of Speech: +0 (default setting)       * [Play]: Voice speaks at the default rate       * Set to: +40       * [Play]: Voice speaks faster       * Set to: -40       * [Play]: Voice speaks slower       * Set to: +0       * [Play]: Voice speaks at the default rate   + [Save]: The Edit Transmitter Language dialog closes. * Languages: [Add…]   + The Create Transmitter Language dialog opens.     - [Select a Language] Spanish     - [Select a Voice] Violeta   + [Save]     - Return to Edit Transmitter dialog. * [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The transmitter is **DISABLED** to allow for editing. On the Transmitter Configuration dialog, the transmitter’s DAC/Port and Status entries show:   * DAC/Port: dac1 / N/A * Location: TT1Loc * Status: **DISABLED** | | |
|  | **EDIT TRANSMITTER** – **Assign Transmitter to Group:**  In the Transmitter Configuration dialog, MB3 click on the TT1 transmitter and select Edit Transmitter…  In the Edit Transmitter dialog, set the following:   * Group Name: Standalone 🡪 TST * DAC Port #: <available DAC Port # identified at **Step 40**>   [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  On the Transmitter Configuration dialog, the transmitter’s DAC/Port and Status entries show:   * Transmitter TT1 is now listed under Group TST * DAC/Port: <available DAC Port # identified at **Step 40**> * Status: **DISABLED** | | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT2 transmitter and select Edit Transmitter…  In the Edit Transmitter dialog, set the following:   * Group Name: Standalone 🡪 TST   [Save] | Expected Result:  On the Transmitter Configuration dialog, the transmitter’s DAC/Port and Status entries show:   * Transmitter TT2 is now listed under Group TST   Status: **DISABLED** | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT3 transmitter and select Edit Transmitter…  In the Edit Transmitter dialog, set the following:   * Group Name: Standalone 🡪 TST   [Save] | Expected Result:  On the Transmitter Configuration dialog, the transmitter’s DAC/Port and Status entries show:   * Transmitter TT3 is now listed under Group TST   Status: **DISABLED**  The TST group now contains TT1, TT2, and TT3 in the order they were added from top to bottom. | |  |  | |
|  | Under the TST Group, right-click on the transmitter TT1 and select  Order Transmitters… | The Reorder Transmitters dialog lists only the transmitter currently contained in the TST group. | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
|  | Change the order of the transmitters by selecting a transmitter and clicking the [Up] or [Down] buttons to move it. When satisfied with the changes, click [Save] | * The Reorder Transmitters dialog closes. * The updated order is reflected in the Transmitter Configuration dialog. | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | Click the down [▼] arrow to the left of the TST group in the Transmitter Configuration dialog | * The down [▼] arrow changes to right [>] arrow. * Only the group is collapsed. Subordinate transmitters are no longer visible in the Transmitter Configuration dialog. | |  |  | |
|  | MB3 click on any group or transmitter listed in the Transmitter Configuration dialog and select  Order Groups/Transmitters… | The Reorder Groups/Transmitters dialog lists only the groups and all standalone transmitters. Subordinate transmitters within groups are not listed. | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
|  | Change the order of the transmitters and/or groups by selecting a transmitter or group and clicking the [Up] or [Down] buttons to move it. When satisfied with the changes, click [Save]. | * The Reorder Groups/Transmitters dialog closes. * The updated order is reflected in the Transmitter Configuration dialog. | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | On the Transmitter Configuration dialog, MB3 click on any transmitter or group and select [Expand All Groups]. | All the groups in the Transmitter Configuration dialog are expanded to show the subordinate transmitters. | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | On the Transmitter Configuration dialog, right-click on any transmitter or group and select [Collapse All Groups]. | All the groups in the Transmitter Configuration dialog collapse to hide the subordinate transmitters. | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | **EDIT TRANSMITTER** – **Enable Transmitter in Group:**  In the Transmitter Configuration dialog, perform the following actions:   * Select and expand group TST * MB3 click on transmitter TT1 and select:   Transmitter Status 🡪 Enable Transmitter   * Acknowledge the Confirm ENABLED popup window. | | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **ENABLED**. | | |
|  | **EDIT TRANSMITTER** – **Disable Transmitter in Group:**  In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on transmitter TT1 and select:   Transmitter Status 🡪 Disable Transmitter   * Acknowledge the Confirm DISABLED popup window. | | |  | BMH0168 BMH0169 BMH0205 BMH0206 BMH0240 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **DISABLED**. | | |
|  | **EDIT TRANSMITTER** – **Decommission Transmitter in Group:**  In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on transmitter TT1 and select:   Transmitter Status 🡪 Decommission Transmitter   * Acknowledge the Confirm DECOMM popup window. | | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **DECOMM**. | | |
|  | **EDIT TRANSMITTER** – **Commission Transmitter in Group:**  In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on transmitter TT1 and select:   Transmitter Status 🡪 Commission Transmitter | | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| **Note: Since the transmitter has to be in a DISABLED state in order to decommission it, it has to return to a disabled state when it is recommissioned.** | | |
| Acknowledge the Confirm DISABLED popup dialog. | | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **DISABLED**. | | |
|  | **EDIT TRANSMITTER** – **Remove Transmitter From Group:**  MB3 click on the TT3 transmitter and select Edit Transmitter…  When the Edit Transmitter dialog opens, set the following:   * Group Name: TST 🡪 Standalone * [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  On the Transmitter Configuration dialog, the transmitter’s entries show:   * Transmitter TT3 is no longer listed under Group TST * Group/Transmitter: Transmitter * Status: **DISABLED** | | |
|  | **EDIT TRANSMITTER** – **Rate of Speech:**  In the Transmitter Configuration dialog, MB3 click on the TT3 transmitter and click [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  | BMH0104 | |
|  | In the Edit Transmitter dialog, click [Add…]. | The Create Transmitter Language dialog opens. | |  |  | |
|  | In the Create Transmitter Language dialog, set the following parameters:   * Language: ENGLISH * Voice: Paul * Dictionary: <leave blank> * [Add…] The Select Message Type dialog opens * STATIONID: Click [OK].   The Create Static Message Type dialog appears   * Station Id: <enter Station Id text>   <leave the periodicity set to 1 hour>   * [OK] * [Add…] The Select Message Type dialog opens * TIME: Click [OK].   The Create Static Message Type dialog appears   * Time Preamble: <enter Time message preamble> * Time Postamble: <enter Time message postamble>   <leave the periodicity set to 30 minutes>   * [OK] * [Save] Saves the language settings | | |  | BMH0104 | |
| Expected Result:  The English language and voice are listed in the New Transmitter dialog. | | |
|  | In the Edit Transmitter dialog, click [Add…] | The Create Transmitter Language dialog opens. | |  |  | |
|  | In the Create Transmitter Language dialog, set the following parameters:   * Language: SPANISH * Voice: Violeta * Dictionary: <leave blank> * [Add…] The Select Message Type dialog opens | | |  |  | |
| **Note: If STATIONID and TIME message types are available for the Spanish language, proceed to Step 78. If the Select Message Type dialog is empty, continue to the next step.** | | |
|  | Click the [New] button. | The New Message Type dialog opens. | |  |  | |
|  | In the New Message Type dialog, set the following parameters:   * Message Type: SPANISHID * Message Title: Station ID Spanish * Designation: StationID * [Save] | | |  |  | |
| Expected Result:   * The New Message Type dialog closes. * The Create Static Message Type dialog opens. | | |
|  | Enter a text message into the Station Id textbox. Then, with the periodicity set to 1 hour, click the [OK] button. | * The Create Static Message Type dialog closes. * The SPANISHID message type appears in the Static Message Type(s) section in the Create Transmitter Language dialog. | |  |  | |
|  | In the Create Transmitter Language dialog, click [Add…] | The Select Message Type dialog opens. | |  |  | |
|  | Click the [New] button. | The New Message Type dialog opens. | |  |  | |
|  | In the New Message Type dialog, set the following parameters:   * Message Type: SPNSHTIME * Message Title: Time-announcement Spanish * Designation: TimeAnnouncement * [Save] | | |  |  | |
| Expected Result:   * The New Message Type dialog closes. * The Create Static Message Type dialog opens. | | |
|  | Enter a text message into the Time Preamble textbox. Enter a text message into the Time Postamble textbox. Then, with the periodicity set to 30 minutes, click the [OK] button. | * The Create Static Message Type dialog closes. * The SPNSHTIME message type appears in the Static Message Type(s) section in the Create Transmitter Language dialog. | |  |  | |
|  | Click the [Save] button. | * The Create Transmitter Language dialog closes. * A Transmitter Language – Static Message Types popup window appears indicating that the message types will not be scheduled because they are not part of the selected program. | |  |  | |
|  | Acknowledge the Transmitter Language – Static Message Types popup window. Then skip to **Step 79**. | * The Transmitter Language – Static Message Types popup window closes. * SPANISH appears in the Languages section of the Edit Transmitter dialog. | |  |  | |
|  | In the Select Message Type dialog, set the following parameters:   * Station Id: <enter Station Id text>   <leave the periodicity set to 1 hour>   * [OK] * [Add…] The Select Message Type dialog opens * TIME: Click [OK].   The Create Static Message Type dialog appears   * Time Preamble: <enter Time message preamble> * Time Postamble: <enter Time message postamble>   <leave the periodicity set to 30 minutes>   * [OK] * [Save] Saves the language settings | | |  | BMH0104 | |
| Expected Result:  The Spanish language and voice are listed in the New Transmitter dialog. | | |
|  | Select the English voice and click [Edit…]. | The Edit Transmitter Language dialog opens. | |  |  | |
|  | Verify a Rate of Speech slider bar is displayed on the dialog. | * The slide bar is displayed. * The Rate of Speech is set at: +0. | |  | BMH0104 | |
|  | Move the slider to the left and monitor the Rate of Speech value. | * The Rate of Speech value decreases. * All numbers below 0 display in the form: -x where x is the value. | |  | BMH0104 | |
|  | Click the [Play] button and verify that the default text:  English:  *“This is a test of the rate of speech option."*  Spanish:  *“Esta es una prueba del indice de la opción de disurso.”*  plays at a slower speed for the selected language. | The voice plays at a slower rate. | |  | BMH0104 | |
|  | Move the slider to the right and monitor the Rate of Speech value. | * The Rate of Speech value increases * All numbersgreater than or equal to “0” display in the form: +x where x is the value. | |  | BMH0104 | |
|  | Click the [Play] button and verify that the default text:  English:  *“This is a test of the rate of speech option."*  Spanish:  *“Esta es una prueba del indice de la opción de disurso.”*  plays at a faster speed for the selected language. | The voice plays at a faster rate. | |  | BMH0104 | |
|  | Set the slider back to 0. | The Rate of Speech value is set to +0. | |  |  | |
|  | Click the [Save] button in the Edit Transmitter Language dialog. | The Edit Transmitter Language dialog closes. | |  |  | |
|  | Click the [Save] button in the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | **EDIT TRANSMITTER** – **Enable Standalone Transmitter:**  In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on transmitter TT3 and select:   Edit Transmitter   * Select an available DAC Port #. * Click [Save] * MB3 click on transmitter TT3 and select:   Transmitter Status 🡪 Enable Transmitter   * Acknowledge the Confirm ENABLED popup dialog. | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **ENABLED**. | | |
|  | **EDIT TRANSMITTER** – **Disable Standalone Transmitter:**  In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on transmitter TT3 and select:   Transmitter Status 🡪 Disable Transmitter   * Acknowledge the Confirm DISABLED popup dialog. | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **DISABLED**. | | |
|  | **EDIT TRANSMITTER** – **Decommission Standalone Transmitter:**  In the Transmitter Configuration dialog, perform the following actions:   * MB3 click on transmitter TT3 and select:   Transmitter Status 🡪 Decommission Transmitter   * Acknowledge the Confirm DECOMM popup dialog | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The Transmitter Configuration dialog shows the selected transmitter is now **DECOMM**. | | |
|  | Delete Transmitter: In the Transmitter Configuration dialog:   * MB3 click on transmitter TT3 and select [Delete Transmitter] * Acknowledge the confirmation dialog | The TT3 transmitter is no longer listed in the Transmitter Configuration dialog | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | Open two terminal windows:   * In the first terminal window, ssh to px1. * In the second terminal, ssh to px2. | The two terminals are opened and pointed to the appropriate servers. | |  |  | |
| NOTE: Since the checking of logs will occur periodically throughout this test, do not close these terminal windows until completion of all testing. | |
|  | Although the actions provided below should be performed on both px1 and px2, the expected results listed below will only be found on one of the two servers:  Using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for the following entries:   * New Transmitter * Update Transmitter * Decommission Transmitter * Commission Transmitter * Deleted Transmitter | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0168 BMH0169 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains entries similar to the example provided below for the different transmitter actions:  *INFO 2015-02-24 21:23:40,665 [qtp1718931131-88] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New Transmitter mnemonic [ANT] id [350]: Transmitter [mnemonic=ANT, frequency=0.0, callSign=ANewTXM, location=TestLoc1, serviceArea=TestArea1, fipsCode=, transmitterGroup="ANT", position=1, txStatus=DISABLED, txMode=PRIMARY, dacPort=null]* | | |
|  | Delete Transmitter Group – Group Not Empty:  In the Transmitter Configuration dialog, MB3 click on Group TST and attempt to select [Delete Group]. | The Delete Group option is dithered. When selected, a Disabled popup window appears stating that the group cannot be deleted when it contains transmitters. | |  |  | |
|  | Acknowledge the Disabled popup window. | * The Disabled popup window closes. * The group remains listed in the Transmitter Configuration dialog. | |  |  | |
|  | **EDIT TRANSMITTER** – **Remove Transmitter From Group:**  MB3 click on the TT1 transmitter and select Edit Transmitter…  When the Edit Transmitter dialog opens, set the following:   * Group Name: TST 🡪 Standalone * [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  On the Transmitter Configuration dialog, the transmitter’s entries show:   * Transmitter TT1 is no longer listed under Group TST * Group/Transmitter: Transmitter * Status: **DISABLED** | | |
|  | **EDIT TRANSMITTER** – **Remove Transmitter From Group:**  MB3 click on the TT2 transmitter and select Edit Transmitter…  When the Edit Transmitter dialog opens, set the following:   * Group Name: TST 🡪 Standalone * [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  On the Transmitter Configuration dialog, the transmitter’s entries show:   * Transmitter TT2 is no longer listed under Group TST * Group/Transmitter: Transmitter * Status: **DISABLED**   The TST group is empty. | | |
|  | Delete Transmitter Group: In the Transmitter Configuration dialog, perform the following actions:   * Select Group Test and verify that it does not have any assigned transmitters. * MB3 click on Group TST and select [Delete Group]. * Acknowledge the confirmation window. | | |  | BMH0168 BMH0169 BMH0220 BMH0221 | |
| Expected Result:  The TST transmitter group is no longer listed in the Transmitter Configuration dialog. | | |
|  | In a terminal, open and, using any desired text editor such as vim, review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for the following entries:   * New Transmitter Group * Update Transmitter Group * Deleted Transmitter Group | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0218 BMH0219 BMH0220 BMH0221 BMH0238 BMH0239 BMH0240 BMH0241 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains entries similar to the example provided below for the different transmitter group actions:  *INFO 2015-02-24 22:45:13,963 [qtp1718931131-93] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New TransmitterGroup name [TestGrp3] id [452]: TransmitterGroup [id=452, name=TestGrp3, dac=null, timeZone=GMT-06:00, deadAirAlarm=true, position=9, audioDBTarget=-10.0, program=ProgramSummary [name=Bassett Program], transmitters=[]]* | | |
|  | The Transmitter Configuration dialogs shows that TT1, TT2, and TT4 transmitters still exist. | TT1, TT2, and TT4 transmitters still exist. | |  |  | |
| * + - 1. Transmitters 🡪 Transmitter Alignment…   This section demonstrates the dialogs and GUIs associated with the Transmitters Alignment dialog: | | | | | | |
|  | In the Transmitter Configuration dialog, MB3 click on a transmitter and select Expand All Groups. Then make note of any other transmitters that are currently ENABLED and their assigned DAC/Ports. | Tx Name DAC/Port  \_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_  \_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_  \_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_  \_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ | |  |  | |
|  | Open the Broadcast Cycle dialog by selecting:  Transmitters 🡪 Broadcast Cycle… | The Broadcast Cycle dialog opens. | |  |  | |
|  | In the Broadcast Cycle dialog, identify, select, and note an active transmitter. | Active Transmitter: \_\_\_\_\_\_\_\_ | |  |  | |
|  | In the Broadcast Cycle dialog, click the Monitor In-line checkbox for the selected transmitter. | The current playlist starts broadcasting over the headset or speaker. | |  | BMH0073 | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Transmitter Alignment… | The Transmitter Alignment dialog opens. | |  |  | |
|  | In the Transmitter Alignment dialog, select the transmitter identified at Step 103. | The transmitter is selected. | |  |  | |
|  | From the Transmitter Alignment dialog, record the initial Decibel Level setting for the transmitter. | Decibel Level: \_\_\_\_\_\_\_\_ | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | In the Transmitter Alignment dialog, click [Maintenance]. | A Disable Group window appears confirming the maintenance on the transmitter. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Acknowledge the Disable Group window. | * The Disable Group window closes. * The transmitter goes off the air. * The status updates to MAINT. * The status in the BMH Menu updates with a blue ‘M’ adjacent to the transmitter. | |  |  | |
|  | Set the following parameters in the Transmitter Alignment dialog:   * Level Test: SAME * Duration: 10s * [Run Test] | * The Progress Information dialog opens. * Eventually the Progress Information dialog closes and a Transmitter Alighment Test Results window displays with the test results. * The SAME tone play for 10 seconds during the test. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Record the Transmitter Alignment Test results. Then click [OK]. | The Transmitter Alighment Test Results window closes.  Expected Result: 10000 – 10500  Actual Result: \_\_\_\_\_\_\_\_ | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, review the:  /awips2/bmh/logs/dactransmit-maintenance-<Xmtr>-<yyyymmdd>.log  for entries that each Level Test was started and data was transmitted: | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0228 BMH0242 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contained entries that each Level Test was started and data transmitted similar to the following example.  INFO 2015-02-25 14:27:57,686 [main] DacTransmitMain: Starting DacTransmit.  INFO 2015-02-25 14:27:57,793 [main] DacMaintenanceSession: Running in MAINTENANCE MODE. Running in MAINTENANCE MODE. Running in MAINTENANCE MODE.  **INFO 2015-02-25 14:27:57,794 [main] DacMaintenanceSession: Session configuration: DacMaintenanceConfig [dacHostname=147.18.136.46, dataPort=21002, controlPort=21003, transmitters=[2], dbTarget=-15.0, inputAudio=/awips2/bmh/data/audio/maintenance/maintenanceSame.ulaw, testDuration=10]**  INFO 2015-02-25 14:27:57,794 [main] DacMaintenanceSession: Obtaining sync with DAC.  INFO 2015-02-25 14:27:57,829 [main] DacMaintenanceSession: Obtained sync with DAC and beginning transmission.  INFO 2015-02-25 14:27:57,829 [main] DacMaintenanceSession: Preparing 500 packets of audio.  INFO 2015-02-25 14:27:57,852 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Initializing the Audio Converter Manager ...  INFO 2015-02-25 14:27:57,854 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Successfully registered an audio converter for the ULAW format.  INFO 2015-02-25 14:27:57,855 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Successfully registered an audio converter for the PCM format.  INFO 2015-02-25 14:27:57,855 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Initialization Complete!  INFO 2015-02-25 14:27:57,855 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Initializing the Audio Converter Manager ...  INFO 2015-02-25 14:27:57,855 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Successfully registered an audio converter for the ULAW format.  INFO 2015-02-25 14:27:57,855 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Successfully registered an audio converter for the PCM format.  INFO 2015-02-25 14:27:57,861 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Successfully registered an audio converter for the WAV format.  INFO 2015-02-25 14:27:57,861 [MaintenanceBroadcastTransmitThread] AudioConvererterManager: EDEX - Initialization Complete!  INFO 2015-02-25 14:28:07,441 [MaintenanceBroadcastTransmitThread] BroadcastTransmitThread: Broadcast Audio has processed 500 packets in the last 9 seconds(9543ms) with an average packet interval of 19.12ms and a maximum packet interval of 22ms  INFO 2015-02-25 14:28:07,441 [main] DacMaintenanceSession: Initiating shutdown...  INFO 2015-02-25 14:28:07,558 [main] DacMaintenanceSession: Exiting MAINTENANCE MODE. Exiting MAINTENANCE MODE. Exiting MAINTENANCE MODE.  INFO 2015-02-25 14:28:07,558 [main] DacTransmitMain: Exiting DacTransmit. | | | | | |
|  | On the Transmitter Alignment dialog, click [Change Target…]. | The Target dB Value dialog opens. | |  |  | |
|  | Set the Target dB Value to -30. Then click [OK]. | * The Target dB Value dialog closes. * The Transmitter Alignment dialog Decibel Level field shows the updated value. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Set the following parameters in the Transmitter Alignment dialog:   * Level Test: Alert * Duration: 5s * [Run Test] | * The Progress Information dialog opens. * Eventually the Progress Information dialog closes and a Transmitter Alighment Test Results window displays with the test results. * The Alert tone play for 5 seconds during the test. The volume is lower. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Record the Transmitter Alignment Test results. Then click [OK]. | The Transmitter Alighment Test Results window closes.  Expected Result: 5000 – 5500  Actual Result: \_\_\_\_\_\_\_\_ | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, review the:  /awips2/bmh/logs/dactransmit-maintenance-<Xmtr>-<yyyymmdd>.log  for entries that each Level Test was started and data was transmitted: | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0228 BMH0242 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contained entries that each Level Test was started and data transmitted similar to the example provided at Step 112. The only difference is that the Bolded line contains:  …dbTarget=-30.0…maintenanceAlert.ulaw, testDuration=5] | | |
|  | On the Transmitter Alignment dialog, click [Change Target…]. | The Target dB Value dialog opens. | |  |  | |
|  | Set the Target dB Value to -20. Then click [OK]. | * The Target dB Value dialog closes. * The Transmitter Alignment dialog Decibel Level field shows the updated value. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Set the following parameters in the Transmitter Alignment dialog:   * Level Test: Text * Duration: 7s * [Run Test] | * The Progress Information dialog opens. * Eventually the Progress Information dialog closes and a Transmitter Alighment Test Results window displays with the test results. * The Text message play for 7 seconds during the test. The volume is higher. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Record the Transmitter Alignment Test results. Then click [OK]. | The Transmitter Alighment Test Results window closes.  Expected Result: 7000 – 7500  Actual Result: \_\_\_\_\_\_\_\_ | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/bmh/logs/dactransmit-maintenance-<Xmtr>-<yyyymmdd>.log  for entries that each Level Test was started and data was transmitted: | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0228 BMH0242 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contained entries that each Level Test was started and data transmitted similar to the example provided at Step 112. The only difference is that the Bolded line contains:  …dbTarget=-20.0…maintenanceText.ulaw, testDuration=7] | | |
|  | On the Transmitter Alignment dialog, click [Change Target…]. | Target dB Value dialog opens. | |  |  | |
|  | Set the Target dB Value to the value noted at **Step 107**. Then click [OK]. | * The Target dB Value dialog closes. * The Transmitter Alignment dialog Decibel Level field shows the updated value. | |  | BMH0189 BMH0205 BMH0206 BMH0228 | |
|  | Set the following parameters in the Transmitter Alignment dialog:   * Level Test: SAME * Duration: 10s * [Run Test] | * The Progress Information dialog opens. * Eventually the Progress Information dialog closes and a Transmitter Alighment Test Results window displays with the test results. * The SAME tones play for 10 seconds during the test. The volume is higher. | |  |  | |
|  | Record the Transmitter Alignment Test results. Then click [OK]. | The Transmitter Alighment Test Results window closes.  Expected Result: 10000 – 10500  Actual Result: \_\_\_\_\_\_\_\_ | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/bmh/logs/dactransmit-maintenance-<Xmtr>-<yyyymmdd>.log  for entries that each Level Test was started and data was transmitted: | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0228 BMH0242 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contained entries that each Level Test was started and data transmitted similar to the example provided at Step 112. The only difference will be the Bolded line contains:  …dbTarget=-10.0…maintenanceSame.ulaw, testDuration=10] | | |
|  | On the Transmitter Alignment dialog, click the [Enable] button. Acknowledge the confirmation window. | The [Run Test] button grays out on the Transmitter Alignment dialog.   * The Disable Group window closes. * The transmitter is enabled. * The status updates to **ENABLED**. * The blue ‘M’ adjacent to the transmitter is removed from the BMH Menu dialog. | |  |  | |
|  | On the Transmitter Alignment dialog, click [Close]. | The Transmitter Alignment dialog closes. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
| * + - 1. Transmitters 🡪 Listening Area…   This section demonstrates the dialogs and GUIs associated with the listening areas dialog: | | | | | | |
|  | **New Area:**  In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Areas… | The Listening Areas dialog opens. | |  | BMH0031 BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH223 | |
|  | In the Listening Area dialog, identify an existing Listening Area Code. | Listening Area Code: \_\_\_\_\_\_\_\_\_ | |  |  | |
|  | In the Listening Areas dialog, select [New Area...]. | The New Area dialog opens. | |  |  | |
|  | **New Area – Existing Area Code Check:**  In the New Area dialog, enter the following:   * Enter the Area Code: <code identified in **Step 132**> * Enter the Area Name: ExistingAreaChk * Add a transmitter TT2 * [Save] | | |  | BMH0141 | |
| Expected Result:  A warning dialog appears stating that the area already exists. | | |
|  | Click [No] on the Area Exists dialog to cancel the change. | The Area Exists dialog closes and you are returned to the New Area dialog. | |  |  | |
|  | **New Area – Invalid Area Code Format Check:**  In the New Area dialog, enter the following:   * Enter the Area Code: NEX9999 * Enter the Area Name: InvalidFormatAreaCodeChk * Add a transmitter TT2 * [Save] | | |  | BMH0141 | |
| Expected Result:  A warning dialog appears stating that an invalid format area code was entered. The dialog also provides the expected code format. | | |
|  | Acknowledge the warning dialog. | Dialog closes and you are returned to the New Area dialog. | |  |  | |
|  | **New Area – Created:**  In the New Area dialog, enter the following:   * Enter the Area Code: NEC001 * Enter the Area Name: AA3\_TestArea * Add transmitter TT2 * [Save] | | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
| Expected Result:   * The New Area dialog closes * AA3\_TestArea is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT2 is assigned to AA3\_TestArea | | |
|  | In the Listening Areas dialog, select [New Area...] | The New Area dialog opens | |  |  | |
|  | In the New Area dialog, enter the following:   * Enter the Area Code: NEC999 * Enter the Area Name: AA2\_TT2Area * Add transmitter TT2 * [Save] | * The New Area dialog closes * AA2\_TT2Area is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT2 is assigned to AA2\_TT2Area | |  |  | |
|  | In the Listening Areas dialog, select [New Area...]. | The New Area dialog opens. | |  |  | |
|  | In the New Area dialog, enter the following:   * Enter the Area Code: NEC998 * Enter the Area Name: AA3\_TT3Area * Add transmitter TT4 * [Save] | * The New Area dialog closes * AA3\_TT3Area is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT4 is assigned to AA3\_TT3Area | |  |  | |
|  | In the Listening Areas dialog, select [New Area...]. | The New Area dialog opens. | |  |  | |
|  | In the New Area dialog, enter the following:   * Enter the Area Code: NEC997 * Enter the Area Name: AA4\_TT4Area * Add transmitter TT4 * [Save] | * The New Area dialog closes * AA4\_TT4Area is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT4 is assigned to AA4\_TT4Area | |  |  | |
|  | Edit Area:  In the Listening Areas dialog, select the NEC001 row then select [Edit Area...] | The Edit Area dialog opens. | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
|  | In the Edit Area dialog, set the following:   * Enter the Area Name: Change name from ‘AA3\_TestArea' to 'AA1\_Area' * Add Transmitter TT1   [Save] | | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
| Expected Result:  The Edit Area dialog closes.  In the Listening Areas dialog:   * The Area Name is updated * Transmitters TT1 and TT2 are listed in the Current Listening Areas field | | |
|  | Close the Listening Areas dialog. | The Listening Areas dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on transmitter TT2. Then select [Delete Transmitter]. | A confirm Delete acknowledgment dialog opens. | |  |  | |
|  | Confirm the acknowledgment dialog. | The dialog closes and the transmitter is deleted. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Areas… to reopen the Listening Areas dialog. | The Listening Areas dialog opens. | |  |  | |
|  | In the Listening Areas dialog, select the AA1\_Area and note which transmitters are listed. | Only TT1 is listed. | |  |  | |
|  | In the Listening Area dialog, select NEC001 and click [Edit Area…]. | The Edit Area dialog opens. | |  |  | |
|  | In the Edit Area dialog, scroll down the list of Available Transmitters and verify that TT2 is no longer listed. | TT2 is not listed. | |  |  | |
|  | Close the Edit Area and Listening Areas dialogs. | The Edit Area and Listening Areas dialogs close. | |  |  | |
|  | **New Zone:**  In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Zones… | The Listening Zones dialog opens. | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
|  | In the Listening Zones dialog, identify an existing Zone Area Code. | Zone Area Code: \_\_\_\_\_\_\_\_\_ | |  |  | |
|  | In the Listening Zones dialog, select [New Zone...] | The New Zone dialog opens. | |  |  | |
|  | **New Zone – Existing Zone Code Check:**  In the New Zone dialog, enter the following:   * Enter the Zone Area Code: <code identified in **Step 157**> * Enter the Zone Area Name: ExistingZoneChk * Select the Areas Included: <add area(s) from available areas> * [Save] | | |  |  | |
| Expected Result:  A warning dialog appears stating that the area already exists. | | |
|  | Click [No] on the Zone Exists dialog to cancel the change. | The Zone Exists dialog closes and you are returned to the New Zone dialog. | |  |  | |
|  | **New Zone – Invalid Zone Code Format Check:**  In the New Zone dialog, enter the following:   * Enter the Zone Area Code: NEX9999 * Enter the Zone Area Name: InvalidFormatZoneCodeChk * Add a couple of transmitters * [Save] | | |  |  | |
| Expected Result:  A warning dialog appears stating that an invalid format zone code was entered. The dialog also provides the expected code format. | | |
|  | Acknowledge the warning dialog. | The Invalid Format dialog closes and you are returned to the New Zone dialog. | |  |  | |
|  | **New Zone – Created:**  In the New Zone dialog, enter the following:   * Enter the Zone Code: NEZ001 * Enter the Zone Name: AA1\_TestZone * Click [<<] to remove all currently listed areas from the Selected Areas column * Click [>] to add NEC001 and NEC999 to the zone. * [Save] | | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
| Expected Result:   * The New Zone dialog closes   In the Listening Zones dialog:   * AA1\_TestZone is listed in the Current Listening Zones field * NEC001 and NEC999 are assigned to the NEZ001 zone | | |
|  | In the Listening Zones dialog, select [New Zone...]. | The New Zone dialog opens. | |  |  | |
|  | In the New Zone dialog, enter the following:   * Enter the Zone Code: NEZ999 * Enter the Area Name: AA2\_Zone * Click > NEC999 into the zone * [Save] | * The New Zone dialog closes   In the Listening Zones dialog:   * AA2\_Zone is listed in the Current Listening Zones field * NEC999 is assigned to the NEZ999 zone | |  |  | |
|  | Close the Listening Zones dialog. | The Listening Zones dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Areas… to reopen the Listening Areas dialog. | The Listening Areas dialog opens. | |  |  | |
|  | Delete Area – Cancel Deletion:  In the Listening Area dialog, select the NEC001 row. Then select [Delete Area]. Click [Cancel] in the confirmation dialog. | The deletion is cancelled. NEC001 is still listed in the Listening Areas dialog. | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Zones… to reopen the Listening Zones dialog. | The Listening Zones dialog opens. | |  |  | |
|  | Verify NEC001 is still listed under NEZ001 in the Listening Zones dialog. | NEC001 is still listed under NEZ001 in the Listening Zones dialog. | |  |  | |
|  | Close the Listening Zones dialog. | The Listening Zones dialog closes. | |  |  | |
|  | Using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for entries containing the following actions:   * “New Area areaCode [<areacodeID>]” * “Update Area areaCode [<areacodeID>]” * Verify **NO** entry for “Deleted Area areaCode” | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0218 BMH0219 BMH0223 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains entries similar to the example provided below for the different actions:  *INFO 2015-02-25 17:30:17,679 [qtp972116824-86] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New Area areaCode [NEC001] areaId [100]: Area [areaId=100, areaCode=NEC001, areaName=NewAreaNebraska, transmitters=[TT1]]*   * “New Area areaCode [<areacodeID>]” is in the log * “Update Area areaCode [<areacodeID>]” is in the log * The log DOES NOT contain an entry for “Deleted Area” | | |
|  | Close the Listening Zones dialog | The Listening Zones dialog closes. | |  |  | |
|  | Delete Area – Deletion Completed:  In the Listening Areas dialog, select the NEC001 row. Then select [Delete Area]. Click [OK] in the confirmation dialog. | NEC001 is no longer listed in the Listening Areas dialog. | |  |  | |
|  | Close the Listening Areas dialog. | The Listening Areas dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Zones… to reopen the Listening Zones dialog | The Listening Zones dialog opens. | |  |  | |
|  | In the Listening Zones dialog, locate and select NEZ001. Verify NEC001 is no longer listed as an assigned area to the zone. | NEC001 is no longer assigned to zone NEZ001. | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for the following action entries:   * Verify entry for “Deleted Area areaCode” exists in the log | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the deleted area:  *INFO 2015-02-25 18:14:22,116 [qtp972116824-91] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Deleted Area areaCode [NEC001] areaId [100]: Area [areaId=100, areaCode=NEC001, areaName=TestNebraska, transmitters=[TT1]]* | | |
|  | Edit Zone: In the Listening Zones dialog, select the NEZ001 row then select [Edit Zone...]. | The Edit Zone dialog opens. | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
|  | In the Edit Zone dialog, set the following:   * Enter the Zone Name: Change from AA1\_TestZone to 'AA1\_Zone' * Remove NEC999 from the zone. * Verify NEC001 is no longer assigned to the zone. * [Save] | | |  |  | |
| Expected Result:   * The Edit Zone dialog closes * In the Listening Zones dialog:   + The Zone Name is updated   + No areas are listed in the Listening Areas Assigned to Zone field | | |
|  | Close the Listening Zones dialog. | The Listening Zones dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Zones… to reopen the Listening Zones dialog. | The Listening Zones dialog opens. | |  |  | |
|  | In the Listening Zones dialog, locate and select NEZ001. Verify areas NEC001 and NEC999 are not listed. | NEC001 and NEC999 are no longer listed under the NEZ001 zone. | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for the following action entries:   * Verify entry for “Deleted Area areaCode” exists in the log | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the deleted area:  *INFO 2015-02-25 18:14:22,116 [qtp972116824-91] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Deleted Area areaCode [NEC001] areaId [100]: Area [areaId=100, areaCode=NEC001, areaName=TestNebraska, transmitters=[TT1]]* | | |
|  | Delete Zone: In the Listening Zones dialog, select the NEZ001 row. Then select [Delete Zone]. Click [Cancel] in the confirmation dialog. | The deletion is cancelled. NEZ001 remains listed in the Listening Zones dialog. | |  | BMH0205 BMH0206 BMH0223 | |
|  | Using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for entries containing the following actions:   * “New Zone zoneCode [<zoneCodeID>]” * “Update Zone zoneCode [<areaCodeID>]” * Verify **NO** entry for “Deleted Zone zoneCode” | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0218 BMH0219 BMH0223 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains entries similar to the example provided below for the different actions:  *INFO 2015-02-25 19:20:28,200 [qtp972116824-91] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Update Zone zoneCode [NEZ001] id [500]: zoneName: [NewZone] -> [NewZoneNE], areas: added [[NEC063]]*   * “New Area zoneCode [<zonecodeID>]” is in the log * “Update Area zoneCode [<zonecodeID>]” is in the log * The log DOES NOT contain an entry for “Deleted Area” | | |
|  | In the Listening Zone dialog, select the NEZ001 row. Then select [Delete Zone]. Click [OK] in the confirmation dialog. | NEZ001 is no longer listed in the Listening Zones dialog. | |  | BMH0141 BMH0205 BMH0206 BMH0223 | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for the following action entries:   * Verify entry for “Deleted Zone zoneCode” exists in the log | | |  | BMH0086 BMH0093 BMH0141 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0218 BMH0219 BMH0223 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the deleted zone:  *INFO 2015-02-25 19:20:37,617 [qtp972116824-88] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Deleted Zone zoneCode [NEZ001] id [500]: Zone [id=500, zoneCode=NEZ001, zoneName=NewZoneNE, areas=[NEC031, NEC063]]* | | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Zones… to open the Listening Zones dialog. | The Listening Zones dialog opens. | |  |  | |
|  | In the Listening Areas dialog, select [New Area...]. | The New Area dialog opens. | |  |  | |
|  | **New Area – Partial County Codes:**  In the New Area dialog, enter the following:   * Enter the Area Code: NE729 * Enter the Area Name: Southwest Chase County * Add transmitter TT1 * [Save] | | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
| Expected Result:   * The New Area dialog closes * Southwest Chase County is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT1 is assigned to Southwest Chase County | | |
|  | **Note: The steps through the end of this section are preparatory setups for later use during these test procedures.** | | |  |  | |
| In the Listening Areas dialog, click [New Area…]. | The New Area dialog opens | |
|  | **New Area – Created:**  In the New Area dialog, enter the following:   * Enter the Area Code: NEC001 * Enter the Area Name: AA1\_Area * Add transmitter TT1 * [Save] | | |  | BMH0141 BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
| Expected Result:   * The New Area dialog closes * AA1\_Area is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT1 is assigned to AA1\_Area | | |
|  | Close the Listening Areas dialog. | The Listening Area dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Zones… | The Listening Zones dialog opens. | |  | BMH0031 BMH0205 BMH0206 BMH0218 BMH0219 BMH223 | |
|  | In the Listening Zones dialog, click [New Zone…]. | The New Zone dialog opens. | |  |  | |
|  | **New Zone – Created:**  In the New Zone dialog, enter the following:   * Enter the Zone Code: NEZ001 * Enter the Zone Name: AA1\_Zone * Click [>] to add NEC001 to the zone. * [Save] | | |  | BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
| Expected Result:   * The New Zone dialog closes * In the Listening Zones dialog:   + AA1\_Zone is listed in the Current Listening Zones field   + NEC001 is assigned to the NEZ001 zone | | |
|  | Close the Listening Zones dialog | The Listening Zones dialog closes. | |  |  | |
| * + - 1. Transmitters 🡪 Disable Silence Alarm…   This section demonstrates the Disable Silence Alarm dialog: | | | | | | |
|  | In the BMH Menu d ialog, under the DAC/Transmitter Status field, note that there are no yellow check marks next to the transmitters (this is the default setting). The absence of these check marks indicates the Silence Alarm status as being ENABLED. | The Silence Alarm status displays in the BMH Menu. | |  | BMH0205 BMH0206 BMH0231 BMH0232 BMH0233 | |
|  | In the BMH Menu dialog, MB1 click Transmitters->Transmitter Configuration. | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click within the dialog and select the New Transmitter… option from the popup menu. | The New Transmitter dialog opens. | |  |  | |
|  | Enter the following settings in the New Transmitter dialog:   * Group Name: Standalone * DAC: <Available DAC> * DAC Port #: <Available Port> * Mnemonic: ALM * Call Sign: SGN * Program: <Available Program> * Time Zone: UNIVERSAL COORDINATED TIME * Location: Omaha * Service Area: OAX * Languages: [Add…]   + Add ENGLISH with Paul’s voice and click [OK]   [Save] | The new transmitter is created. The transmitter appears in the DAC/Transmitter Status section of the BMH Menu dialog. | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | In the Transmitter Configuration dialog, MB3 click on the ALM transmitter and select Transmitter Status->Enable Transmitter. | A Confirm ENABLED window appears. | |  |  | |
|  | Click the [Yes] button. | The Confirm ENABLED window closes. The Transmitter Configuration dialog shows the selected transmitter is now **ENABLED**. The transmitter is added to the Broadcast Cycle dialog. | |  |  | |
|  | In the Broadcast Cycle dialog, select the ALM transmitter. Then activate the Monitor In-line checkbox, if necessary. | The ‘off the air’ message plays. An AlertViz message appears stating that the transmitter has been silent for 10 seconds (repeating every 60 seconds). A red ‘A’ appears adjacent to the transmitter indicating the transmitter has exceeded the silence threshold. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the ALM transmitter and select Transmitter Status->Disable Transmitter. | A Confirm DISABLED window appears. | |  |  | |
|  | Click the [Yes] button. | The Confirm DISABLED window closes. The Transmitter Configuration dialog shows the selected transmitter is now **DISABLED**. The transmitter is removed from the Broadcast Cycle dialog. The ‘off the air’ message discontinues playing. The topmost transmitter in the Broadcast Cycle dialog resumes playing. | |  |  | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Disable Silence Alarm… | The Silence Alarm dialog opens. | |  | BMH0205 BMH0206 BMH0231 BMH0232 BMH0233 | |
| Note: When a box is checked in the Silence Alarm dialog, the Silence Alarm is disabled for that transmitter. Unchecking the box enables (activates) the silence alarm functionality. | | | | | | |
|  | In the Silence Alarm dialog:   * Click the Select All button to select the checkboxes for all transmitters.   [OK] | The Silence Alarm dialog closes  The BMH Menu Status updates to show the check mark next to each of the transmitters. | |  | BMH0205 BMH0206 BMH0231 BMH0232 BMH0233 | |
|  | In the BMH Menu dialog, in the DAC/Transmitter Status field, verify the yellow check marks appear next to the transmitters. These check marks identify the Silence Alarm status as being DISABLED. | The Silence Alarm status displays in the BMH Menu. | |  | BMH0205 BMH0206 BMH0231 BMH0232 BMH0233 | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Disable Silence Alarm… Verify all transmitters remain checked. | All transmitters are checked. | |  | BMH0205 BMH0206 BMH0231 BMH0232 BMH0233 | |
|  | Click the OK button to close the Silence Alarm dialog. | The Silence Alarm dialog closes. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the ALM transmitter and select Transmitter Status->Enable Transmitter. | A Confirm ENABLED window appears. | |  |  | |
|  | Click the [Yes] button. | The Confirm ENABLED window closes. The Transmitter Configuration dialog shows the selected transmitter is now ENABLED. The transmitter is added to the Broadcast Cycle dialog. | |  |  | |
|  | In the Broadcast Cycle dialog, select the ALM transmitter. | The ‘off the air’ message plays. No AlertViz messages appear regarding the silent alarm. A red ‘A’ DOES NOT appear adjacent to the transmitter. | |  |  | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Disable Silence Alarm… Verify all transmitters remain checked. | All transmitters are checked. | |  |  | |
|  | In the Silence Alarm dialog:   * Click the Unselect All button to unselect the checkboxes for all transmitters.   [OK] | The Silence Alarm dialog closes.  The BMH Menu Status updates by removing the check mark next to each of the transmitters. An AlertViz message appears stating that the transmitter has been silent for 10 seconds (repeating every 60 seconds). A red ‘A’ appears adjacent to the transmitter indicating the transmitter has exceeded the silence threshold. | |  | BMH0205 BMH0206 BMH0231 BMH0232 BMH0233 | |
|  | In the Transmitter Configuration dialog, MB3 click on the ALM transmitter and select Transmitter Status->Disable Transmitter. | A Confirm DISABLED window appears. | |  |  | |
|  | Click the [Yes] button. | The Confirm DISABLED window closes. The Transmitter Configuration dialog shows the selected transmitter is now DISABLED. The transmitter is removed from the Broadcast Cycle dialog. The ‘off the air’ message discontinues playing. The topmost transmitter in the Broadcast Cycle dialog resumes playing. | |  |  | |
|  | View the contents of /awips2/bmh/conf/comms.xml and verify against the settings in the Silence Alarm dialog. | The silenceAlarms parameters in the comms.xml file are consistent with the dialog settings. | |  | BMH0231 BMH0232 BMH0233 | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | Close the Broadcast Cycle dialog. | The Broadcast Cycle dialog closes. | |  |  | |
| * + - 1. Transmitters 🡪 Broadcast Cycle…   This section demonstrates the Broadcast Cycle dialog: | | | | | | |
|  | Disconnect the headset, if necessary. | The headset is disconnected. | |  |  | |
|  | In the BMH Menu dialog, click Transmitters 🡪 Broadcast Cycle...    To open the Broadcast Cycle dialog. | | |  | BMH0039 BMH0185 BMH0205 BMH0206 BMH0212 BMH0213 BMH0214 BMH0236 BMH243 | |
| Expected Result:  The Broadcast Cycle dialog opens. | | |
|  | Close the Broadcast Cycle dialog. | The Broadcast Cycle dialog closes. | |  |  | |
|  | The Broadcast Cycle dialog can also be opened by clicking on the  button. Both of these methods may be used throughout these test procedures when having to open the Broadcast Cycle dialog. | | |  | BMH0039 BMH0185 BMH0205 BMH0206 BMH0212 BMH0213 BMH0214 BMH0236 BMH243 | |
| Expected Result:  The Broadcast Cycle dialog opens. | | |
|  | Select a transmitter containing multiple (non-static) messages in the playlist. Make note of a message from the playlist (e.g., OMAPNSxxx). | Message ID: \_\_\_\_\_\_\_\_\_\_\_ | |  |  | |
|  | | |
|  | Click the Monitor In-line checkbox for the selected transmitter. | The messages play over the speaker. | |  | BMH0189 BMH0212 BMH0213 BMH0214 BMH0236 BMH0243 | |
|  | On the Linux System Tool bar, MB1 click on the Internal Speaker  icon. | The speaker slide bar displays. | |  | BMH0189 BMH0212 BMH0213 BMH0214 BMH0236 BMH0243 | |
|  | Move the slider on the speaker slide bar while monitoring the volume. | The volume changes as the slider moves. | |  | BMH0189 | |
|  | Connect the headset. | The headset is connected. | |  |  | |
|  | Extend the Main Menu (RedHat icon) options and select System->Preferences->Sound. | The Sound Preferences dialog opens. | |  |  | |
|  | MB1 click the Applications tab. | The ALSA plug-in sound slider bar displays. | |  |  | |
|  | Move the slider on the speaker slide bar while monitoring the volume. | The volume changes as the slider moves. | |  |  | |
|  | Set the preferred volume level. Then click the [Close] button. | The Sound Preferences dialog closes. | |  |  | |
|  | Adjust the volume settings on the headset. | The volume changes as the volume control is adjusted. | |  |  | |
|  | Message Color Legends – Transmit Time Column:   * In the Broadcast Cycle dialog, monitor the colors displayed in the playlist Transmit Time column as the messages are played. * Verify the colors are consistent with the color legend in the Transmit Time block. | | |  |  | |
| Expected Result:   * Messages which have been broadcast or are currently broadcasting are colored green to signify the transmit time is the actual time the message was broadcast. * Messages that are waiting to be broadcast show a yellow block to signify the time shown is a predicted time rather than an actual time. * When the message starts playing, the color updates to show the time is now an actual time. | | |
|  | Message Color Legends – Message ID Column: Periodic Message   * In the Broadcast Cycle dialog, monitor the colors displayed in the playlist Message ID column for a periodic message such as StationID or Time message. * Verify the Message ID cells for periodic message are olive green, consistent with the color legend in the Message Type block. | | |  |  | |
| Expected Result:   * When periodic messages are received, the Message ID cells are olive green. * When the message starts playing, the Transmit Time color updates to show the time is now an actual time. | | |
|  | Message Color Legends – Message ID Column: Interrupt Message  In the BMH Menu, click Messages->Weather Messages... | | |  |  | |
| Expected Result:  The Weather Messages dialog displays. | | |
|  | Click the [Change…] button. | The Select Message Type dialog opens. | |  |  | |
|  | In the Select Message Type dialog, select a Tornado Warning message (e.g., OMATORxxx) for the transmitter currently playing. Then click the [OK] button. | The Select Message Type dialog closes. The Message Type appears in the Weather Messages dialog. | |  |  | |
|  | In the Weather Messages dialog, set the following option:   * Message Name: Interrupt Message * Expiration Time: <current + 10 minutes> * Interrupt: <select> * Alert: <select> * Confirm: <deselect> * Status radio button: Active | The options are set as stated. | |  |  | |
|  | Click the [Contents] button. | The Message Contents dialog opens. | |  |  | |
|  | Enter a text message. Then click the [OK] button. | The text message is composed. The Message Contents dialog closes. | |  |  | |
|  | Click the [Area Selection] button. | The Area Selection dialog opens. | |  |  | |
|  | Press the Ctrl key and the A key (Ctrl+A) in the Selected Zones/Areas/Transmitters section to select all items. Then click the [Remove Selected] button. | All zones, areas, and transmitters are removed from the Selected Zones/Areas/Transmitters section. | |  |  | |
|  | Under the Transmitters tab, select the transmitter currently playing and move it into the Zones/Areas/Transmitters section. Then click the [OK] button. | The Area Selection dialog closes. The transmitter is assigned to the message. The only SAME checkbox available and checked is the transmitter selected. | |  |  | |
|  | With the transmitter’s SAME checkbox checked, click the [Submit Message] button. | The Emergency Override – Tone Playback confirmation popup window appears. | |  |  | |
|  | Acknowledge the Emergency Override – Tone Playback confirmation window. | The Emergency Override – Tone Playback confirmation window closes. A Weather Messages popup appears. | |  |  | |
|  | Acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | * In the Broadcast Cycle dialog, monitor the colors displayed in the playlist Message ID column as the interrupt message is played. * Verify the Message ID cell for the Interrupt message is red, consistent with the color legend in the Message Type block. | | |  |  | |
| Expected Result:   * When the Interrupt Message is received, the Message ID cell is red. * When the message starts playing, the Transmit Time color updates to show the time is now an actual time. * Suite: Interruptxxxx (xxxx is sequence number) * Suite Category: INTERRUPT * As soon as the message completes, the current playlist picks up where it left off. | | |
|  | Message Color Legends – Message ID Column: MRD Messages   * In the Broadcast Cycle dialog, monitor the colors displayed in the playlist Message ID column for messages containing a Message Reference Descriptor (MRD) identifier number in the MRD column. * Verify the Message ID cell color setting is dependent on the message as follows:   **Description Message ID**   * + Initial MRD messages have a number only White   + ID has form of xxxRaaa when MRD is replaced Blue   + Multiple MRD replacements have form xxxRbbbaaa> | | |  | BMH0039 BMH0063 BMH0064 BMH0065 BMH0066 | |
| Expected Result:   * Verify the Message ID cell color setting is dependent on the message as follows (see screenshot in Expected Results):   **Description MRD Column Message ID**   * + number only 141 White   + MRD Replaced 126R124123 Blue | | |
|  | In the Broadcast Cycle dialog, review the MRD column for the messages in the playlist | MRD column is:   * Blank or has a number * Does not contain “BMH” | |  | BMH0039 | |
|  | On the Broadcast Cycle dialog, select a message row containing a blank MRD column and click [Message Details…]. Verify the following in the resulting Message Details/Information dialog:   * Overall information is consistent with the selected message information from the Broadcast Cycle dialog * Message Name does not contain a MRD Number | | |  | BMH0039 BMH0236 BMH0243 | |
| Expected Result:   * The Message Details/Information dialog opens with the Broadcast Areas (default) information displayed as shown in the screenshot. |  | |
| * The Broadcast Areas field lists all the listening areas assigned to the message. * The Message Text field displays the text of the selected message. | | |
|  | In the Message Details/Information dialog, expand the dropdown menu and select [Programs]. | The Programs field lists all the programs that contain this message.  There is no change to the Message Text field. | |  |  | |
|  | In the Message Details/Information dialog, expand the dropdown menu and select [Suites]. | The Suites field lists all the suites that contain this message.  There is no change to the Message Text field. | |  |  | |
|  | In the Message Details/Information dialog, expand the dropdown menu and select [Transmitters]. | The Transmitters field lists all the transmitters that contain this message.  There is no change to the Message Text field. | |  |  | |
|  | Click [Close] in the Message Details/Information dialog. | The Message Details/Informationdialog closes. | |  |  | |
|  | If a MRD number is listed in the Broadcast Cycle dialog, move on to step 260. If no messages containing a MRD number are listed in the Broadcast Cycle dialog for any transmitter, perform the following steps:   * In a terminal and using a text editor such as vim, locate and open the MRDTest1\_OrigMsg\_MRD123 file * Modify the highlighted/bolded portion of the header which has the form of: YYMMDDHHMM  with the current date/time.   *\_aT\_ENGOMASVWBAS14080902091408090210 123CD INNEC009c1408100400*   * Save the updated file * Copy the MRDTest1\_OrigMsg\_MRD123 test file to:   /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0212 BMH0213 BMH0214 BMH0236 BMH0243 | |
| Expected Result:  The file is ingested and listed in the Broadcast Cycle dialog listing MRD 123. | | |
|  | Select a message row containing an MRD or the message containing MRD 123 and click [Message Details…]. Make note of the MRD number and verify the following:  The resulting Message Details/Information dialog:   * Overall information is consistent with the selected message information from the Broadcast Cycle dialog * Message Name contains the MRD Number in the form: “\_xxx\_” | | |  | BMH0039 BMH0212 BMH0213 BMH0214 BMH0236 BMH0243 | |
| Expected Result:  The Message Details/Information dialog similar to the following displays MRD information. |  | |
|  | Click [Close] in the Message Details/Information dialog. | The Message Details/Informationdialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, click [Periodic Messages…]. | The Periodic Messages dialog opens. This dialog lists all periodic messages currently assigned to this transmitter. | |  |  | |
|  | In the Periodic Messages dialog, select the TIME message. Then click the [Message Details…] button. | The Message Details/Information dialog opens displaying the message details for the TIME periodic message. | |  |  | |
|  | Click [Close] in the Message Details/Information dialog. | The Message Details/Information dialog closes. | |  |  | |
|  | In the Periodic Messages dialog, select the STATIONID message. Then click the [Message Details…] button. | The Message Details/Information dialog opens displaying the message details for the TIME periodic message. | |  |  | |
|  | Click [Close] in the Message Details/Information dialog. | The Message Details/Information dialog closes. | |  |  | |
|  | Click [Close] in the Periodic Messages dialog. | The Periodic Messages dialog closes | |  |  | |
|  | In the BMH Menu dialog, click Messages 🡪 Weather Messages. | The Weather Messages dialog opens. | |  | BMH0205 BMH0206 BMH0236 BMH0243 | |
|  | In the Weather Messages dialog, click [Edit...]. | The Select Input Message dialog opens. | |  |  | |
|  | In the Select Input Message dialog, select a message from the list of messages for the currently playing transmitter (e.g., OMAPNSxxx). Then click [OK]. | * The Select Input Message dialog closes. * The selected message name is listed in the Message Name field of the Weather Messages dialog. The associated AFOS ID appears as the Message Type. | |  | BMH0205 BMH0206 BMH0236 BMH0243 | |
| Note: Clicking inside the Input Message field and typing the desired name, or using the filters will locate the message more easily. | | |
|  | In the Weather Messages dialog, set the following option:   * Message Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (not editable) * Message Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (not editable) * Message Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (not editable) * Expiration Time: <current + 10 minutes> * [Area Selection…]: <not editable> * SAME: <not editable> * Interrupt: <not editable> * Alert: <not editable> * Confirm: <not editable> * Status radio button: Inactive * [Contents] | | |  | BMH0011 BMH0163 | |
| Expected Result:  Message Contents dialog displays. | | |
|  | In the Message Contents dialog, prepend the following text before the existing text:  *“This is a test message of a submittal.”*  Do not change the remaining text.  Click [OK]. | * The contents are updated. * The Message Contents dialog closes. | |  | BMH0236 BMH0243 | |
|  | In the Weather Messages dialog, click [Submit Message]. | A submittal confirmation dialog displays. | |  | BMH0236 BMH0243 | |
|  | Acknowledge the Weather Messages popup dialog. | The Weather Messages window closes. The selected message is removed from the playlist in the Broadcast Cycle dialog (you may have to allow the cycle to complete.) | |  | BMH0236 BMH0243 | |
|  | Allow the message cycle to play for 10 minutes (provided the cycle duration is less than 3 minutes). | The selected message does not reappear in the Broadcast Cycle playlist. | |  | BMH0212 BMH0213 BMH0214 BMH0236 BMH0243 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, click [Edit…]. | The Select Input Message dialog opens. | |  | BMH0205 BMH0206 BMH0236 BMH0243 | |
|  | Activate the “Display all input messages (including expired)” checkbox. Then select the same message previously selected. Verify the Active column setting is set to “No” for the selected message. | The Active column is set to “No” for the selected message. | |  |  | |
|  | In the Weather Messages dialog, click the [OK] button. Then verify the Status remains set as Inactive. | The status is set as Inactive. | |  |  | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, select a Regional Weather Summary message. Then click [Message Details]. | The Message Details/Information dialog opens displaying the message and details associated with the message. | |  | BMH0016 BMH0236 BMH0243 | |
|  | Close the Message Details/Information dialog. | The Message Details/Information dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, select a StaticMsg-StationID message containing a long line of continuous text. Then click [Message Details...]. | The Message Details/Information dialog opens displaying the message and details associated with the message. | |  | BMH0016 BMH0236 BMH0243 | |
|  | Close the Message Details/Information dialog. | The Message Details/Information dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, note which suite is currently active. | Current Suite: \_\_\_\_\_\_\_\_\_\_\_ | |  |  | |
|  | In the Broadcast Cycle dialog, with the Monitor In-line box is still checked, verify the current playlist continues to play over the headset or speaker. | The current playlist continues to play. | |  |  | |
|  | In the Broadcast Cycle dialog, click [Change Suite…]. | The Change Suite dialog opens. | |  |  | |
|  | In the Change Suite dialog, assuming the current active suite in Step 285 is the General suite, select the Exclusive or High suite, whichever is available.  NOTE: If a different suite is active, select the General suite.  Continue monitoring the current playlist broadcast. | | |  |  | |
| Expected Result:   * If there aren’t any current messages in the HIGH or EXCLUSIVE suites, a Failed to Change Suite advisory dialog opens to let you know that the suite does not contain any valid messages.   + Acknowledge the popup. Then move on to **Step 302**. * If the HIGH or EXCLUSIVE suites contain messages, or if changing from a higher suite to the GENERAL suite, the following should occur:   + The current message continues to be broadcast until complete.   + The suite changes to the selected suite and immediately starts playing the messages assigned to that suite.     - Move on to Step . | | |
|  | In the BMH Menu dialog, click Transmitters 🡪 Transmitter Configuration. | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click on the transmitter currently playing via Broadcast Cycle dialog and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | Compare the settings listed below verifying the settings in the Edit Transmitter dialog are reflected in the Weather Messages dialog.   * Program * Time Zone * DAC * Port # | The Program, Time Zone, DAC, and Port # in the Edit Transmitter dialog match that which is displayed in the Broadcast Cycle dialog. | |  |  | |
|  | Close the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | In the BMH Menu dialog, click Messages 🡪 Weather Messages. | The Weather Messages dialog opens. | |  | BMH0205 BMH0206 BMH0236 BMH0243 | |
|  | Click the [Change…] button. | The Select Message Type dialog opens. | |  |  | |
|  | In the Select Message Type dialog, select a Tornado Warning (trigger) message (e.g., OMATORxxx) for the transmitter currently playing. Then click the [OK] button. | The Select Message Type dialog closes. The Message Type appears in the Weather Messages dialog. | |  |  | |
|  | In the Weather Messages dialog, set the following option:   * Message Name: Exclusive Message * Expiration Time: <current + 1 hour> * Interrupt: <select> * Alert: <select> * Confirm: <deselect> * Status radio button: Active | The options are set as stated. | |  |  | |
|  | Click the [Contents] button. | The Message Contents dialog opens. | |  |  | |
|  | Enter a text message that will last 15 seconds (click the Play button to time the length of the message). Then click the [OK] button. | The text message is composed. The Message Contents dialog closes. | |  |  | |
|  | Click the [Area Selection] button. | The Area Selection dialog opens. | |  |  | |
|  | Select all items (Ctrl+A) in the Selected Zones/Areas/Transmitters section and click the [Remove Selected] button. | All zones, areas, and transmitters are removed from the Selected Zones/Areas/Transmitters section. | |  |  | |
|  | Under the Transmitters tab, select the transmitter currently playing and move it into the Zones/Areas/Transmitters section. Then click the [OK] button. | The Area Selection dialog closes. The transmitter is assigned to the message. The only SAME checkbox available and checked is the transmitter selected. | |  |  | |
|  | With the transmitter’s SAME checkbox checked, click the [Submit Message] button. | The Emergency Override – Tone Playback confirmation popup window appears. | |  |  | |
|  | Acknowledge the Emergency Override – Tone Playback confirmation window. Immediately begin recording the playback time of the message (including tones). | The Emergency Override – Tone Playback confirmation window closes. A Weather Messages popup appears. The message is submitted and the tones/message plays. | |  |  | |
|  | Acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Verify the Broadcast Cycle dialog displays/updates with:   * Program: <Transmitter> Program * Suite: Interrupt<xxx> * Suite Category: INTERRUPT * Time Zone: <selected time zone> * Cycle Duration: <length of message> plus tones   Record the displayed Cycle Duration. | The settings display as expected.  Cycle Duration: ­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |  | |
|  | Once the message and tones complete playing, note the time of the initial playback. Verify the length of the message matches the Cycle Duration value recorded above. | The length of the message matches the Cycle Duration value recorded above. | |  |  | |
|  | After the initial playback, verify the Broadcast Cycle dialog displays/updates with:   * Program: <Transmitter> Program * Suite: Severe Weather * Suite Category: EXCLUSIVE * Cycle Duration: <length of message> (without tones)   Verify the Cycle Duration matches the length of the message without tones (approximately 15 seconds). | The settings display as expected.  The length of the message is approximately 15 seconds. | |  |  | |
|  | Click the [Change Suite…] button. | The Change Suite dialog opens. | |  |  | |
|  | Select the General suite. Then click [OK]. | The Change Suite dialog closes. After the message currently playing finishes, the Broadcast Cycle dialog returns to the General Weather suite. | |  |  | |
|  | Verify the Broadcast Cycle dialog displays/updates with:   * Program: <Transmitter> Program * Suite: General Weather * Suite Category: GENERAL * Cycle Duration: <length of all messages in the playlist> | The settings display as expected. | |  |  | |
|  | Time the playback of all messages in the playlist. Verify the accumulative time matches the Cycle Duration value. | The accumulative time of all messages in the playlist matches the Cycle Duration value. | |  |  | |
|  | Click the [Change Suite…] button. | The Change Suite dialog opens. | |  |  | |
|  | Select the Severe suite. Then click [OK]. | The Change Suite dialog closes. After the message currently playing finishes, the Broadcast Cycle dialog returns to the Severe Weather suite. | |  |  | |
|  | Select the message in the Broadcast Cycle dialog. Then click the [Expire/Delete] button. | A Confirm Expire/Delete popup window opens. | |  |  | |
|  | Click [OK] in the Confirm Expire/Delete window. | The Confirm Expire/Delete window closes. | |  |  | |
|  | After the message finishes playing, verify the Broadcast Cycle dialog returns to the General Weather suite. | The Broadcast Cycle dialog returns to the General Weather suite. | |  |  | |
|  | Click the [Change Suite…] button. | The Change Suite dialog opens. | |  |  | |
|  | Select the Severe suite. Then click [OK]. | The Change Suite dialog closes. The Failed to Change Suite advisory dialog opens to let you know that the suite does not contain any valid messages. | |  |  | |
|  | Acknowledge the Failed to Change Suite window. | The Failed to Change Suite window closes. | |  |  | |
| * + 1. BMH Menu: Programs   This section demonstrates the dialogs and GUIs associated with the Programs portion of the BMH menu: | | | | | | |
| * + - 1. Programs 🡪 Broadcast Programs…   This section demonstrates the dialogs and GUIs associated with the Broadcast Programs dialog: | | | | | | |
|  | **New Program:** In the BMH Menu dialog, click Programs 🡪 Broadcast Programs… | The Broadcast Program Configuration dialog opens. | |  | BMH0040 BMH0045 BMH0170 BMH0205 BMH0206 | |
|  | In the Broadcast Program Configuration dialog, select [New...] next to the Program dropdown menu. | The New Program dialog opens. | |  | BMH0040 BMH0045 BMH0170 | |
|  | In the New Program dialog, enter the following:   * Program Name: TT1 Program * [New…]   ***Note:*** *This step creates a new suite for the new program.* | | |  | BMH0040 BMH0045 BMH0170 | |
| Expected Result:  The Create New Suite dialog opens. | | |
|  | In the Create New Suite dialog, enter the following settings:   * Suite Name: TT1 General * From Available Message Types, select the following message types then click [▲ Add]:   + STATIONID   + TIME   + SPNSHTIME   + xxxFZAxxx   + xxxHWOxxx   + xxxSAFxxx   + xxxSVSxxx   + xxxSVWxxx   + xxxTORxxx   + xxxWSWxxx   + xxxZFPxxx | | |  | BMH0040 BMH0045 BMH0170 | |
| Expected Result:  The available messages are now displayed in the Selected Message Types field. | | |
|  | In the Create New Suite dialog, rearrange the order of the message types listed in the Selected Message Types field using the Change Order [▲/▼] up/down arrows. | The list order is rearranged. | |  | BMH0040 BMH0045 BMH0170 | |
|  | Click on the xxxSVSxxx message type in the Selected Message Types field and click the [▼ Remove] button. | The xxxSVSxxxmessage type is removed from the Selected Message Types field. | |  | BMH0040 BMH0045 BMH0170 | |
|  | Select [Create] in the Create New Suite dialog. | The Create New Suite dialog closes.  The New Program dialog lists the TT1 General suite assigned to the TT1 Program. | |  | BMH0040 BMH0045 BMH0170 | |
|  | In the New Programs dialog, select [Save]. | | |  | BMH0040 BMH0045 BMH0051 BMH0052 BMH0170 | |
| Expected Result:   * The New Programs dialog closes * The Broadcast Program Configuration dialog updates to display the following:   + Program: TT1 Program   + Suites in Program: TT1 General   + Message Types in Suite: <message types listed in **Step 324**> |  | |
|  | In the Broadcast Program Configuration dialog, select [New...] next to the Program dropdown menu. | The New Program dialog opens. | |  | BMH0040 BMH0045 BMH0170 | |
|  | In the New Program dialog, enter the following:   * Program Name: TT1 Program2 * [Add Existing…]   ***Note:*** *This step uses an existing suite for the new program.* | | |  | BMH0040 BMH0045 BMH0051 BMH0052 BMH0170 BMH0205 BMH0206 | |
| Expected Result:  The Add/Copy Existing Suites dialog opens. | | |
|  | In the Add/Copy Existing Suites dialog.   * Select the ‘Use Existing Suites’ radio button * Use Ctrl+MB1 clicks to select one suite from each Category type. The HIGH category may be bypassed if no HIGH suites exist.   + GENERAL   + HIGH   + EXCLUSIVE * [Add] | * The Add/Copy Existing Suites dialog closes * The added suites are listed in the New Program dialog’s Selected Suites field | |  | BMH0040 BMH0045 BMH0051 BMH0052 BMH0170 BMH0205 BMH0206 | |
|  | In the New Programs dialog, select [Save]. | | |  | BMH0040 BMH0045 BMH0051 BMH0052 BMH0170 BMH0205 BMH0206 | |
| Expected Result:   * The New Programs dialog closes * The Broadcast Program Configuration dialog updates to display the following:   + Program: TT1 Program2   + Suites in Program: <selected General, High (if available), and Exclusive suites>   + Message Types in Suite: <message types assigned to the selected suites> |  | |
|  | In the Broadcast Program Configuration dialog, verify the TT1 Program2 is selected in the Programs dropdown menu. | The TT1 Program2 is selected in the Programs dropdown menu. The suites comprising TT1 Program2 are displayed. | |  |  | |
|  | Select the General suite and click the [Remove] button. | A Suite Removal dialog opens that states you are not allowed to remove the General suite. | |  |  | |
|  | Acknowledge the Suite Removal dialog. | The Suite Removal dialog closes. | |  |  | |
|  | If a High suite is not listed, skip to Step 351.  If a High suite is listed in the Suites in Program section, select the High suite and click the [Remove] button. | A confirmation dialog opens requesting confirmation of the removal action. | |  |  | |
|  | Cancel the removal action. | The suite is NOT removed. | |  |  | |
|  | Select the Exclusive suite and click the [Edit…] button. | The Edit Suite dialog opens. | |  |  | |
|  | Click the [Set Triggers…] button. | The Trigger Selection dialog opens. Message Types that are set as trigger messages have their checkboxes selected. Non-trigger messages have their checkboxes unchecked. | |  |  | |
|  | Select a checkbox for a Message Type that is not yet a trigger message. | The checkbox for the selected Message Type is checked. | |  |  | |
|  | Click the [OK] button in the Trigger Selection dialog. | The Trigger Selection dialog closes. | |  |  | |
|  | Verify the trigger is labeled as ‘Yes’ in the Trigger column for the selected message. | The trigger was set for the selected Message Type. | |  |  | |
|  | Click the [Save] button. | The Edit Suite dialog closes. | |  |  | |
|  | Verify the trigger is labeled as ‘Yes’ in the Trigger column for the selected message in the Message Types in Suite section of the Broadcast Program Configuration dialog. | The trigger was set for the selected Message Type. | |  |  | |
|  | Select the Exclusive suite and click the [Edit…] button. | The Edit Suite dialog opens. | |  |  | |
|  | Select a non-trigger Message Type in the Selected Message Types section of the Edit Suite dialog. Then click the [Remove] button. | The selected Message Type is removed from the Selected Message Types section. The selected Message Type is added to the Available Message Types section. | |  |  | |
|  | Select a trigger Message Type in the Selected Message Types section of the Edit Suite dialog. Then click the [Remove] button. | A Remove Message Type dialog appears stating that the Message Type is a trigger message for a program. | |  |  | |
|  | Click the [Yes] button to confirm the action. | The Remove Message Type dialog closes. The selected Message Type is removed from the Selected Message Types section. The selected Message Type is added to the Available Message Types section. | |  |  | |
|  | Click the [Save] button. | The Edit Suite dialog closes. | |  |  | |
|  | Verify the non-trigger Message Type and trigger Message Type are removed from the Message Types in Suite section of the Broadcast Program Configuration dialog. | The non-trigger and trigger Message Types were removed from the Message Types in Suite section of the Broadcast Program Configuration dialog. | |  |  | |
|  | Select the Exclusive suite and click the [Remove] button. | A Confirm Delete dialog opens requesting confirmation of the removal action. | |  |  | |
|  | Acknowledge the removal action. | The Confirm Delete dialog closes. The Exclusive suite is removed from the Suites in Program section in the Broadcast Program Configuration dialog. | |  |  | |
|  | In the Broadcast Program Configuration dialog, select [New...] next to the Program dropdown menu. | The New Program dialog opens. | |  | BMH0040 BMH0045 BMH0170 | |
|  | In the New Program dialog, enter the following:   * Program Name: NewProg1 * [Add Existing…]   ***Note:*** *This step uses an existing suite for the new program.* | | |  | BMH0040 BMH0045 BMH0170 | |
| Expected Result:  The Add/Copy Existing Suites dialog opens. | | |
|  | In the Add/Copy Existing Suites dialog.   * Select the ‘Use Existing Suites’ radio button * Select one General Category suite * [Add] | * The Add/Copy Existing Suites dialog closes * The added suite is listed in the New Program dialog’s Selected Suites field | |  | BMH0040 BMH0045 BMH0051 BMH0052 BMH0170 BMH0205 BMH0206 | |
|  | In the New Program dialog, click [Save]. | The NewProg1 program is listed in the Broadcast Program Configuration dialog.   * The New Programs dialog closes * The Broadcast Program Configuration dialog updates to display the following:   + Program: NewProg1   + Suites in Program: <selected General suite>   + Message Types in Suite: <message types assigned to the selected suite> | |  |  | |
|  | Rename Program: In the Broadcast Program Configuration dialog, select:   * Program: NewProg1 * [Rename...] | The Rename Program dialog opens. | |  | BMH0040 BMH0045 BMH0170 BMH0205 BMH0206 | |
|  | In the Rename Program dialog, enter ‘NewProgram’. Then select [OK]. | * The Rename Program dialog closes * The Broadcast Program Configuration dialog’s Program field displays ‘NewProgram’ | |  | BMH0040 BMH0045 BMH0170 | |
|  | In the Broadcast Program Configuration dialog, click the [Assign Transmitter(s)…] button. | The Add Transmitters dialog opens. | |  |  | |
|  | Select the TT1 transmitter. Then click the [Add] button. | A Replace Program dialog appears stating that the TT1 transmitter is assigned to a program. | |  |  | |
|  | Click the [Cancel] button. | The Replace Program dialog closes. | |  |  | |
|  | In the Add Transmitters dialog, click the [Cancel] button. | The Add Transmitters dialog closes. No transmitter is assigned to the NewProgram program. | |  |  | |
|  | In the BMH Menu dialog, click Transmitters->Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click within the Transmitter Configuration dialog. Then select the New Transmitter… option from the popup menu. | The New Transmitter dialog opens. | |  |  | |
|  | Enter the following settings in the New Transmitter dialog:   * Group Name: Standalone * DAC: None * DAC Port #: <blank> * Mnemonic: ANT * Call Sign: NEW * Program: None * Time Zone: UNIVERSAL COORDINATED TIME * Location: Assign New Transmitter * Service Area: OAX * Languages: <blank> * [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The New Transmitter dialog closes and the new transmitter is created. The transmitter is listed in the Transmitter Configuration dialog. | | |
|  | In the Broadcast Program Configuration dialog, click the [Assign Transmitter(s)…] button. | The Add Transmitters dialog opens. | |  |  | |
|  | Select the ANT transmitter. Then click the [Add] button. | The Add Transmitters dialog closes. The ANT transmitter is added to the Suites in Program field for the NewProgram program in the Broadcast Program Configuration dialog. | |  |  | |
|  | Delete Program: In the Broadcast Program Configuration dialog, select:   * Program: NewProgram * [Delete] | A Confirm Delete dialog opens. | |  | BMH0040 BMH0170 BMH0205 BMH0206 | |
|  | Acknowledge the Confirm Delete dialog. | The Confirm Delete dialog closes. The Broadcast Program Configuration dialog no longer lists the NewProgram program. | |  |  | |
|  | Close the Broadcast Program Configuration dialog. | The Broadcast Program Configurationdialog closes. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the ANT transmitter. Then select the Delete Transmitter option. | A Confirm Delete dialog opens. | |  |  | |
|  | Click the [Yes] button in the Confirm Delete dialog. | The Confirm Delete dialog closes. The ANT transmitter is removed from the Transmitter Configuration dialog. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for the following action entries:   * New Program * Update Program * Deleted Program | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the different actions listed above:  *INFO 2015-02-25 19:38:49,738 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New Program name [AAATest1] id [200]: Program [id=200, name=AAATest1, programSuites=[Bassett General Weather], transmitterGroups=null]* | | |
| * + 1. BMH Menu: MessageS   This section demonstrates the dialogs and GUIs associated with the Messages portion of the BMH menu: | | | | | | |
| * + - 1. Messages 🡪 Suite Manager…   This section demonstrates the dialogs and GUIs associated with the Suite Manager dialog: | | | | | | |
|  | **New Suite:** In the BMH Menu, click Messages 🡪 Suite Manager… | The Suite Manager dialog opens. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 BMH0205 BMH0206 | |
|  | In the Suite Manager dialog, select each of the Filter Category radio buttons. | The list of Available Suites is filtered based on the selected radio button/category. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 | |
|  | In the Suite Manager dialog, select the All radio button. | All the suites are listed in the Suite Manager dialog. | |  |  | |
|  | In the Suite Manager dialog, select [New...]. | The Create New Suite dialog opens. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 | |
|  | In the Create New Suite dialog, enter the following:   * Suite Name: AAASuite1-General * From the Available Message Types section, use Ctrl+MB1 to select four (4) message types. Then click the [▲ Add] button. |  | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 BMH0205 BMH0206 | |
| Expected Result:  The selected Message Types appear in the Selected Message Types field. |
|  | In the Create New Suite dialog, rearrange the order of the Message Types listed in the Selected Message Types field using the Change Order [▲/▼] up/down arrows. | The list order is rearranged. | |  | BMH0041 BMH0049 BMH0050 BMH0052 BMH0178 | |
|  | Click on one of the Message Types in the Selected Message Types field and click the [▼ Remove] button. | The message type is removed from the Selected Message Types field | |  | BMH0041 BMH0049 BMH0050 BMH0178 | |
|  | Select the [Create] button in the Create New Suite dialog. | The Create New Suite dialog closes. The Suite Manager dialog lists the AAASuite1-General suite. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 BMH0205 BMH0206 | |
|  | In the Suite Manager dialog, select [New...]. | The Create New Suite dialog opens. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 | |
|  | In the Create New Suite dialog, enter the following:   * Suite Name: AAASuite3-High * Suite Category: HIGH * From the Available Message Types section, use Ctrl+MB1 to select four (4) message types. Then click the [▲ Add] button. * [Create] | | |  |  | |
| Expected Result:  The Create New Suite dialog closes. The Suite Manager dialog lists the AAASuite3-High suite. | | |
|  | In the Suite Manager dialog, select [New...]. | The Create New Suite dialog opens. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 | |
|  | In the Create New Suite dialog, enter the following:   * Suite Name: AAASuite4-Exclusive * Suite Category: EXCLUSIVE * From the Available Message Types section, use Ctrl+MB1 to select four (4) message types. Then click the [▲ Add] button. * [Create] | | |  |  | |
| Expected Result:  The Create New Suite dialog closes. The Suite Manager dialog lists the AAASuite4-Exclusive suite. | | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for New Suite Name for “AAASuite1” | | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0162 BMH0163 BMH0178 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the new suite:  *INFO 2015-02-25 19:38:49,738 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New Program name [AAATest1] id [200]: Program [id=200, name=AAATest1, programSuites=[Bassett General Weather], transmitterGroups=null]* | | |
|  | Copy Suite: In the Suite Manager dialog, select AAASuite3-High. Then click [Copy...]. | The Copy Suite dialog opens with the selected suite displayed in the textbox. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 BMH0205 BMH0206 | |
|  | In the Copy Suite dialog, enter ‘AAASuite2-High’ as the new name. Then click [OK]. | The Copy Suite dialog closes. The Suite Manager dialog lists suites AAASuite1-General, AAASuite2-High, AAASuite3-High, and AAASuite4-Exclusive. | |  | BMH0041 BMH0051 BMH0052 BMH0178 | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for New Suite Name for “AAASuite2” | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0178 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 19:55:09,443 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New Suite name [AATADBBAS] id [300]: Suite [id=300, name=AATADBBAS, type=EXCLUSIVE, suiteMessages=[[DENAFYBOU]]* | | |
|  | Rename Suite: In the Suite Manager dialog, select AAASuite4-Exclusive. Then click [Rename...]. | The Rename Suite dialog opens with the selected suite displayed in the textbox. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 BMH0205 BMH0206 | |
|  | In the Copy Suite dialog, enter ‘AAASuite44’ as the new name. Then click [OK]. | The Rename Suite dialog closes. The Suite Manager dialog lists suites AAASuite1-General, AAASuite2-High, AAASuite3-High, and AAASuite44. | |  | BMH0041 BMH0051 BMH0052 BMH0178 | |
|  | Edit Suite: In the Suite Manager dialog, select AAASuite44. Then click [Edit...]. |  | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0171 BMH0178 BMH0205 BMH0206 | |
| Expected Result:   * The Edit Suite dialog opens * The Suite Name is uneditable |
|  | In the Edit Suite dialog, set the following:   * Suite Category: GENERAL * Add a new Message Type * [Save] | The Edit Suite dialog closes. The Suite Manager dialog lists AAASuite44 with the updated category. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0171 BMH0178 | |
|  | In the Suite Manager dialog, with the AAASuite44 suite selected, click [Edit...]. | The Edit Suite dialog opens. | |  |  | |
|  | In the Edit Suite dialog, set the following:   * Use the Change Order [▲/▼] up/down arrows to change the order of the message types assigned to the suite * [Save] | The message types are reordered in the Edit Suite. The Edit Suite dialog closes. | |  |  | |
|  | In the Suite Manager dialog, with the AAASuite44 suite selected, click [Edit...]. | The Edit Suite dialog opens. | |  |  | |
|  | In the Edit Suite dialog, verify the Suite Name is labeled as AAASuite44. Then set the following:   * Change Suite Category to HIGH * Add a non-trigger message type (e.g., xxxZFPxxx) * [Save] | The non-trigger message type is added to the Selected Message Types section. The Edit Suite dialog closes. The Suite Manager dialog lists AAASuite44 with the updated category. | |  |  | |
|  | In the Suite Manager dialog, select the suite AAASuite44 and click on the View Suite relationships  button. | | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0171 BMH0178 | |
| Expected Result:  The Suite Information dialog opens:   * Suite Name: AAASuite44 <not editable> * Suite Category: HIGH <not editable> * Program Name: <blank> * Associated Message Types: <selected Message Types> |  | |
|  | Close the Suite Information dialog. | The Suite Information dialog closes. | |  | BMH0041 BMH0049 BMH0050 BMH0178 | |
|  | In the Suite Manager dialog, with suite AAASuite44 selected, click [Edit…] to reopen the Edit Suite dialog. Verify the AAASuite44 suite contains the updated list and message types. | The Edit Suite dialog opens. The AAASuite44 suite contains the updated list of assigned message types. | |  |  | |
|  | Click the Cancel button to close the Edit Suite dialog. | The Edit Suite dialog closes. | |  |  | |
|  | Delete Suite: In the Suite Manager dialog, select:   * Suite: AAASuite44 * [Delete] * Acknowledge the Confim Delete dialog | The Confirm Delete dialog closes. The AAASuite44 suite is removed from the Suite Manager dialog. | |  | BMH0041 BMH0049 BMH0050 BMH0051 BMH0052 BMH0178 BMH0205 BMH0206 | |
|  | Close the Suite Manager dialog. | The Suite Manager dialog closes. | |  | BMH0041 BMH0049 BMH0050 BMH0178 | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for the following action entries:   * New Suite * Update Suite * Deleted Suite | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0178 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 19:55:09,443 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New Suite name [AATADBBAS] id [300]: Suite [id=300, name=AATADBBAS, type=EXCLUSIVE, suiteMessages=[[DENAFYBOU]]* | | |
| * + - 1. Messages 🡪 Message Types…   This section demonstrates the dialogs and GUIs associated with the Message Types dialog: | | | | | | |
|  | In the BMH Menu dialog, select Messages 🡪 Message Types… | The Message Type Manager dialog opens. | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 BMH0205 BMH0206 | |
|  | New Message Type: In the Message Type Manager dialog, select [New...]. | The Create Message Type dialog opens. | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 | |
|  | In the Create Message Type dialog, enter the following:   * Message Type: AAAAAAAA * Title: TestMsg * Voice: Paul * [Create] | * The Create Message Type dialog closes   Message Type Manager dialog:   * TestMsg is listed in the Message Title column | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 BMH0176 BMH0177 | |
|  | In the Message Type Manager dialog, select [New...]. | The Create Message Type dialog opens. | |  |  | |
|  | In the Create Message Type dialog, enter the following:   * Message Type: AAAFZPAAA * Title: Test MsgType2suites * Voice: Paul * Designation: Forecast * [Create] | * The Create Message Type dialog closes   Message Type Manager dialog:   * Test MsgType2suites is listed in the Message Title column | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 BMH0176 BMH0177 | |
|  | In the Message Type Manager dialog, select [New...]. | The Create Message Type dialog opens. | |  |  | |
|  | In the Create Message Type dialog, enter the following:   * Message Type: AT1FZPAAA * Title: WxMsgType\_InactMsg * Voice: Paul * Designation: Forecast * [Create] | * The Create Message Type dialog closes   Message Type Manager dialog:   * WxMsgType\_InactMsg is listed in the Message Title column | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 BMH0176 BMH0177 | |
|  | In the Message Type Manager dialog, select [New...]. | The Create Message Type dialog opens. | |  |  | |
|  | In the Create Message Type dialog, enter the following:   * Message Type: AT2FZPAAA * Title: WxMsgType\_ActMsg * Voice: Paul * Designation: Forecast * [Create] | * The Create Message Type dialog closes   Message Type Manager dialog:   * WxMsgType\_ActMsg is listed in the Message Title column | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 BMH0176 BMH0177 | |
|  | In the BMH Menu dialog, select Messages 🡪 Suite Manager… to open the Suite Manager dialog. Then select the TT1 General suite and click [Edit…]. | The Suite Manager dialog opens. The Edit Suite dialog opens. | |  |  | |
|  | In the Edit Suite dialog, use Ctrl+MB1 to select the AT1FZPAAA and AT2FZPAAA Message Types in the Available Message Types section. Then click the [Add] button to add the Message Types to the Selected Message Types column. Click the [Save] button to save the changes. | The Edit Suite dialog closes. The two message types are added to the TT1 General suite. | |  |  | |
|  | Rename Message Type: In the Message Type Manager dialog, select the AAAAAAAAA Message Type. Then select [Rename...]. | The Rename Message Type dialog opens. | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 BMH0205 BMH0206 | |
|  | Greater than 9 character check: In the Rename Message Type dialog, enter ‘AATestMesg’. Then select [OK]. | The Invalid Name dialog opens. | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 | |
|  | Acknowledge the Invalid Name dialog. | The Invalid Name dialog closes. | |  |  | |
|  | Less than 7 character check: In the Rename Message Type dialog, enter ‘AATsMg’. Then select [OK]. | The Invalid Name dialog opens. | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 | |
|  | Acknowledge the Invalid Name dialog. | The Invalid Name dialog closes. | |  |  | |
|  | Special character check: In the Rename Message Type dialog, enter ‘AAT@stMsg’. Then select [OK]. | The Invalid Name dialog opens. | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 | |
|  | Acknowledge the Invalid Name dialog. | The Invalid Name dialog closes. | |  |  | |
|  | In the Rename Message Type dialog, enter ‘AATESTMSG’. Then select [OK]. | * The Rename Message Type dialog closes * A Confirm Rename popup dialog opens | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 | |
|  | * Acknowledge the Confirm Rename dialog * Verify the modified Message Type is successfully renamed in the Message Type Manager dialog | * The Confirm Rename popup dialog closes * The renamed message type is listed in the Message Type Manager dialog | |  | BMH0013 BMH0014 BMH0015 BMH0016 BMH0017 BMH0018 BMH0019 BMH0020 BMH0021 BMH0022 | |
|  | Edit Message Type: In the Message Type Manager dialog, select the AATESTMSG Message Type. Then click [Edit...]. | The Edit Message Type dialog opens. | |  | BMH0027 BMH0176 BMH0177 BMH0178 BMH0205 BMH0206 | |
|  | In the Edit Message Type dialog, set the following:   * Message Type: AATESTMSG <not editable> * Title: Change 'TestMsg' to 'TestMsgNE' * Voice: Paul * Designation: Forecast * Emergency Override: <unchecked> * Duration: 0.0.10.0 * Periodicity: 0.0.1.0 * Alert: <unchecked> * Interrupt <unchecked> * Confirm <unchecked> * SAME Originator: WXR * Enable Tone Blackout Period: <unchecked> * [Area Selection] | The Area Selection dialog opens. | |  |  | |
|  | Select an active transmitter listed in the Broadcast Cycle dialog and click the > button. Then click the [OK] button. | The transmitter appears in the Selected Zones/Areas/Transmitters column. The Area Selection dialog closes. The selected transmitter becomes active in the SAME Transmitters column in the Edit Message Type dialog. | |  |  | |
|  | Click on the transmitter’s checkbox in the SAME Transmitters column. | The checkbox is selected in the SAME Transmitters column. | |  |  | |
|  | Click the [Save] button. | The Edit Message Type dialog closes. The settings are saved. | |  | BMH0027 BMH0176 BMH0177 BMH0178 | |
|  | Delete Message Type: In the Message Type Manager dialog, select the AATESTMSG Message Type. Then select [Delete]. | A Confirm Delete dialog opens. | |  | BMH0205 BMH0206 | |
|  | Acknowledge the Confirm Delete dialog. | The Confirm Delete dialog closes. The AATESTMSG Message Type is removed from theMessage Type Manager dialog. | |  |  | |
|  | In a terminal, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for the following action entries:   * New MessageType * Update MessageType * Deleted MessageType | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 20:12:01,527 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz New MessageType afosid [AAAOOO111] title [NewMsgType] id [1001]: MessageType [id=1001, afosid=AAAOOO111, title="NewMsgType", alert=false, confirm=false, emergencyOverride=false, interrupt=false, designation=Forecast, duration=00000000, periodicity=00000000, voice=Paul, wxr=true, toneBlackoutEnabled=false, toneBlackOutStart=null, toneBlackOutEnd=null, sameTransmitters=[], replacementMsgs=[], defaultAreas=[], defaultZones=[], defaultTransmitterGroups=[]]* | | |
|  | Delete Message Type Assigned to Two Suites:  In the Suite Manager dialog, select AAASuite1-General and click [Edit…]. | The Edit Suite dialog opens. | |  | BMH0205 BMH0206 | |
|  | In the Edit Suite dialog, add the AAAFZPAAA message type to the Selected Message Types section. Then click [Save]. | The AAAFZPAAAMessage Type is added to the AAASuite1-General suite. The Edit Suite dialog closes. | |  |  | |
|  | In the Suite Manager dialog, select AAASuite2-High and click [Edit…]. | The Edit Suite dialog opens. | |  | BMH0205 BMH0206 | |
|  | In the Edit Suite dialog, add the AAAFZPAAA message type to the Selected Message Types section. Then click [Save]. | The AAAFZPAAAMessage Type is added to the AAASuite2-High suite. The Edit Suite dialog closes. | |  |  | |
|  | Close the Suite Manager dialog. | The Suite Manager dialog closes. | |  |  | |
|  | In the Message Type Manger dialog, select message type AAAFZPAAA. Then click [Delete]. | A Confirm Delete dialog opens. | |  | BMH0205 BMH0206 | |
|  | Acknowledge the Confirm Delete dialog. | The Confirm Delete dialog closes. The message type is no longer listed in the Message Type Manager dialog. | |  |  | |
|  | In the BMH Menu dialog, select Messages 🡪 Suite Manager… to open the Suite Manager dialog. | The Suite Manager dialog opens. | |  |  | |
|  | Select the AAASuite1-General suite. Then click [Edit…]. | The Edit Suite dialog opens. | |  |  | |
|  | Verify message type AAAFZPAAA is no longer listed in the Available Message Types or the Selected Message Types sections of the Edit Suite dialog. | The message type AAAFZPAAA is no longer listed in the Available Message Types or the Selected Message Types sections of the Edit Suite dialog. | |  | BMH0205 BMH0206 | |
|  | Close the Edit Suite dialog. | The Edit Suite dialog closes. | |  |  | |
|  | In the Suite Manager dialog, select the AAASuite2-High suite. Then click [Edit…]. | The Edit Suite dialog opens. | |  |  | |
|  | Verify message type AAAFZPAAA is no longer listed in the Available Message Types or the Selected Message Types sections of the Edit Suite dialog. | The message type AAAFZPAAA is no longer listed in the Available Message Types or the Selected Message Types sections of the Edit Suite dialog. | |  |  | |
|  | Close the Edit Suite dialog. | The Edit Suite dialog closes. | |  |  | |
|  | Close the Suite Manager dialog. | The Suite Manager dialog closes. | |  |  | |
|  | Close the Message Type Manager dialog. | The Message Type Manager dialog closes. | |  |  | |
| * + - 1. Messages 🡪 Message Type Association…   This section demonstrates the dialogs and GUIs associated with the Message Type Association dialog: | | | | | | |
|  | On the BMH dialog, select Messages 🡪 Message Type Association… | The Message Type Association dialog opens. | |  | BMH0181 BMH0205 BMH0206 | |
|  | In the Message Type Association dialog, click the [Select…] button. | The Select Message dialog opens. | |  | BMH0181 | |
|  | In the Select Message dialog, select the AT1ZFPAAA Message Type. Then click [OK]. | The Select Message dialog closes. The selected message displays in the Message Type Association dialog. | |  | BMH0181 | |
|  | Use Ctrl+MB1 and select 5 message types from the Available Message Types section. Then click [Add]. | The selected Message Types are listed in the upper field of the Message Type Association dialog. | |  | BMH0181 | |
|  | Click the [Save] button. | The Message Type Association dialog closes. The selections are saved. | |  | BMH0181 | |
|  | Select Messages 🡪 Message Type Association… to open the Message Type Association dialog. | The Message Type Association dialog opens. | |  | BMH0181 | |
|  | In the Message Type Association dialog, click the [Select…] button. | The Select Message dialog opens. | |  | BMH0181 | |
|  | Select the the AT1ZFPAAA Message Type. Then click [OK]. Verify the selections were saved. | The selections were saved. | |  | BMH0181 | |
|  | Select one of the Message Types in the upper field. Then click the [Remove] button. | The selected Message Type is removed from the upper field of the Message Type Association dialog. | |  | BMH0181 | |
|  | Click the [Save] button. | The Message Type Association dialog closes. The selections are saved. | |  | BMH0181 | |
|  | Select Messages 🡪 Message Type Association… to open the Message Type Association dialog. | The Message Type Association dialog opens. | |  | BMH0181 | |
|  | In the Message Type Association dialog, click the [Select…] button. | The Select Message dialog opens. | |  | BMH0181 | |
|  | Select the the AT1ZFPAAA Message Type. Then click [OK]. Verify the selections were saved. | The selections were saved. | |  | BMH0181 | |
|  | Use Ctrl+A to select all of the Message Types in the upper field. Then click the [Remove] button. | The selected Message Types are removed from the upper field of the Message Type Association dialog. | |  | BMH0181 | |
|  | Click the [Save] button. | The Message Type Association dialog closes. The selections are saved. | |  | BMH0181 | |
|  | Select Messages 🡪 Message Type Association… to open the Message Type Association dialog. | The Message Type Association dialog opens. | |  | BMH0181 | |
|  | In the Message Type Association dialog, click the [Select…] button. | The Select Message dialog opens. | |  | BMH0181 | |
|  | Select the the AT1ZFPAAA Message Type. Then click [OK]. Verify the selections were saved. | The selections were saved. | |  | BMH0181 | |
|  | Close the Message Type Association dialog. | The Message Type Association dialog closes. | |  | BMH0181 | |
| * + - 1. Messages 🡪 Weather Messages…   This section demonstrates the dialogs and GUIs associated with the Weather Messages dialog: | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT ACTUAL TONES AND MESSAGES. | | | | | | |
| NOTE: Use of a microphone is required for this section. | | | | | | |
|  | Ensure the headset and microphone are connected and configured prior to continuing with this section. | The headset and microphone are connected and set up. | |  |  | |
|  | In the BMH Menu dialog, click Transmitters->Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click on the TT1 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | **EDIT TRANSMITTER:**  In the Edit Transmitter dialog, set the following items, leaving the other attributes set as is:   * Group Name: <leave as Standalone> * DAC: <leave as dac1> * DAC Port #: <set an available Port #> * [Save] | | |  | BMH0168 BMH0169 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The Edit Transmitter dialog closes. In the Transmitter Configuration dialog, the transmitter’s DAC/Port and Status entries show:   * Group Name: <leave as Standalone> * DAC: <leave as dac1> * DAC Port #: <set an available Port #> * Status: **DISABLED** | | |
|  | MB3 click on the TT1 transmitter and select Transmitter Status->Enable Transmitter. | A Confirm ENABLED window opens. | |  |  | |
|  | Click the [Yes] button in the Confirmed ENABLED window. | The Confirm ENABLED window closes. The Transmitter Configuration dialog shows the selected transmitter is now **ENABLED**. The TT1 transmitter updates with the assigned Port #, with the appropriate enabled icon, and (eventually) the silence alarm icon (A) in the DAC/Transmitter Status section of the BMH Menu dialog. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT1 transmitter group. | The TT1 transmitter group is selected. | |  |  | |
|  | If necessary, check the Monitor In-line checkbox. | The ‘off the air’ message plays over the headset or speaker. | |  | BMH0089 BMH0102 BMH0103 BMH0236 | |
|  | On the BMH dialog, click Messages 🡪 Weather Messages… | The Weather Messages dialog opens. | |  |  | |
|  | New Weather Message:  In the Weather Messages dialog, enter the following Message Name:  ANewWxMsg  Then click the [Change…] button. | The Select Message Type dialog opens. | |  |  | |
|  | In the Select Message Type dialog, select the message type for Freeze Watch (e.g., xxxFZAxxx). Then click the [OK] button. | The Select Message Type dialog closes.  The Weather Messages dialog updates with the selections for the selected xxxFZAxxx message type. | |  |  | |
|  | In the Weather Messages dialog, note the parameter settings for the xxxFZAxxx message type. If the message type for a different site was selected, please enter those settings in the space provided. | | |  | BMH0011 BMH0023 BMH0053 BMH0205 BMH0206 | |
| Expected Result:  The settings match.  As an example, the following parameters are set for the message type OMAFZAxxx. If the message type for a different site was selected, please enter those settings in the space provided:  Parameter Setting Setting   * Message Name: ANewWxMsg * Message Type (grayed out): OMAFZAxxx \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Message Title (grayed out): Freeze Watch \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Language (grayed out): ENGLISH \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Designation (grayed out): Watch \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Emergency Override (gray out): No \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Creation Date/Time: <date/time> * Effective Date/Time: <date/time> * Expiration Date/Time: <date/time> * No Expiration: unchecked * SAME Transmitter: BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Periodicity: 0:0:0:0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Alert: unchecked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Interrupt: unchecked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Confirm: unchecked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Status: Active \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * [Area Selection]: Affected Transmitters   BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_  ERN \_\_\_\_\_\_\_\_\_\_\_\_\_\_  TT1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_  VTN \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | In the Weather Messages dialog, click [Contents]. | | The Message Contents dialog opens. |  |  | |
|  | In the Message Contents dialog’s Message Text field, enter the following text:  *“This demonstrates creation of a new weather message.”* | |  |  | BMH0077 BMH0153 | |
| Expected Result:  The text message is entered into the Message Text textbox. | |
|  | In the Message Contents dialog, click the [> Play] button. | | The broadcast temporarily stops during the playback as the Monitor In-line checkbox in the Broadcast Cycle dialog is unchecked. The entered text message is played over the headset or speaker. Once complete, the Monitor In-line checkbox is automatically selected and the broadcast of the playlist continues. |  | BMH0077 BMH0153 | |
|  | Modify the text message in the Message Contents dialog. Then click the [> Play] button. | | The broadcast temporarily stops during the playback as the Monitor In-line checkbox in the Broadcast Cycle dialog is unchecked. The modified message is played over the headset or speaker. Once complete, the Monitor In-line checkbox is automatically selected and the broadcast of the playlist continues. |  |  | |
|  | In the Message Contents dialog, click [OK]. | | The Message Contents dialog closes. |  |  | |
|  | In the Weather Messages dialog, set the following parameters:  Parameter Setting Change To   * Message Name: ANewExMsg <no change> * Creation Date/Time: <date/time> current * Effective Date/Time: <date/time> current + 5min * Expiration Date/Time: <date/time> current + 15min * [Area Selection]: add TT1 * Alert: unchecked check * Interrupt: unchecked check * SAME Transmitter: BAS check TT1 | | |  | BMH0011 BMH0023 BMH0053 BMH0205 BMH0206 | |
| Expected Result:  The parameters are set. | | |
|  | Click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback window appears. | |  | BMH0077 BMH0263 | |
|  | Click the [Yes] button. | The Weather Messages – Tone Playback window closes. The Weather Messages window opens stating the message was successfully submitted. | |  |  | |
|  | Click the [OK] button to acknowledge the window. | The Weather Messages window closes. | |  |  | |
|  | Continue monitoring the Broadcast Cycle dialog until the Effective Date/Time is reached. Then verify the following:   * The message interrupts the ‘off the air’ message * The SAME and Alert tones play * The message is broadcast * The closing SAME tones play | | |  | BMH0102 BMH0103 | |
| Expected Result:   * The submitted message audio is played over the headset or speaker * The Alerts and SAME tones sound during the initial transmission of the message. | | |
|  | Continue monitoring the Broadcast Cycle dialog until the submitted message audio plays at least two times. Verify the SAME and Alert tones do not play after the first time the message is played. | The message plays 2 or more times. The SAME and Alert tones do not play after the first time the message is played. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Message Name: WxMsg\_Record\_Tst * Message Type [Change]: <select message type: OMAZFPxxx> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <unchecked>   + Alerts: <unchecked>   + Confirm: <unchecked> * SAME Transmitters: <unchecked> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, click the [Rec] button. | The Record Audio advisory dialog opens. | |  | BMH0077 | |
|  | Acknowledge the Record Audio dialog. | The Record Audio dialog closes. The Message Record/Playback dialog opens. | |  | BMH0077 | |
|  | In the Message Record/Playback dialog, click [Rec] and start recording a voice message. | The broadcast stops as the Monitor In-line checkbox automatically becomes unchecked in the Broadcast Cycle dialog. The upper text in the Message Record/Playback dialog update to display ‘Recording…’ The time and decibel levels are measured in the Message Record/Playback dialog as the message is recorded. | |  | BMH0077 BMH0150 | |
|  | Upon completion of the recording of the message, click [Stop] on the Message Record/Playback dialog. | The broadcast resumes as the Monitor In-line checkbox automatically becomes re-enabled in the Broadcast Cycle dialog. The upper text in the Message Record/Playback dialog update to display ‘Press REC Button to Start Recording…’ The time and decibel levels recorded persist in the Message Record/Playback dialog after the message is finished recorded. | |  | BMH0077 BMH0150 | |
|  | Click [OK] on the Message Record/Playback dialog. |  | |  | BMH0077 | |
| Expected Result:   * The Message Record/Playback dialog closes * Message Contents dialog displays the: |
| * + Message Text field which identifies who made the recording and when it was made   + Audio field which shows a User Recording bar | | |
|  | Press the green [>] Play button next to the User Recording bar. | The broadcast stops as the Monitor In-line checkbox automatically becomes unchecked in the Broadcast Cycle dialog. The recorded message is played back over the headset or speaker. | |  | BMH0077 BMH0153 | |
|  | In the Message Contents dialog, click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | Click the [Area Selection] button. Then add the TT1 transmitter. | The Area Selection dialog opens. The transmitter is added to the Selected Zones/Areas/Transmitter and Affected Transmitters sections. | |  |  | |
|  | Click the [OK] button. | The Area Selection dialog closes. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Creation Date/Time: <current time> * Effective Date/Time: <current time + 5 minutes> * Expiration Date/Time: <current time + 15 minutes> * SAME Transmitters: TT1 | | |  |  | |
| Expected Result:  The Creation, Effective, and Expiration Date/Time fields are updated accordingly. | | |
|  | Click the [Submit Message] button in the Weather Messages dialog. | A Weather Messages – Tone Playback window appears. | |  | BMH0077 BMH0263 | |
|  | Click the [Yes] button. | The Weather Messages – Tone Playback window closes. A Weather Messages window opens. | |  |  | |
|  | Acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Continue monitoring the Broadcast Cycle dialog until the Effective Date/Time is reached. Then verify the following:   * The message is broadcast * The SAME tones play * The Alert tone does not play | | |  | BMH0102 BMH0103 | |
| Expected Result:   * The submitted message audio is played over the headset or speaker * The SAME tones sound during the initial transmission of the message * The Alert tone does not play | | |
|  | Continue to monitor the messages until the submitted message audio plays at least two times. | | |  | BMH0102 BMH0103 | |
| Expected Result:   * The message audio is played over the headset or speaker * SAME tones do not play on subsequent plays * Alerts tones do not sound during any broadcasts of the message | | |
|  | New Weather Message:  In the Weather Messages dialog, enter the following Message Name:  Hazardous Weather Outlook  Then click the [Change…] button. | The Select Message Type dialog opens. | |  |  | |
|  | In the Select Message Type dialog, select the message type for the Hazardous Weather Outlook (e.g., xxxHWOxxx). Then click the [OK] button. | The Select Message Type dialog closes.  The Weather Messages dialog updates with the selections for the selected xxxHWOxxx message type. | |  |  | |
|  | In the Weather Messages dialog, note the parameter settings for the xxxHWOxxx message type. If the message type for a different site was selected, please enter those settings in the space provided. | | |  | BMH0011 BMH0023 BMH0053 BMH0205 BMH0206 | |
| Expected Result:  The settings match.  As an example, the following parameters are set for the message type OMAFZAxxx. If the message type for a different site was selected, please enter those settings in the space provided:  Parameter Setting Setting   * Message Name: Hazardous Weather Outlook * Message Type (grayed out): OMAHWOBAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Message Title (grayed out): Hazardous Weather Outlook-BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Language (grayed out): ENGLISH \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Designation (grayed out): Outlook \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Emergency Override (gray out): No \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Creation Date/Time: <date/time> * Effective Date/Time: <date/time> * Expiration Date/Time: <date/time> * No Expiration: unchecked * SAME Transmitter: BAS (unchecked) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Periodicity: 0:0:0:0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Alert: unchecked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Interrupt: unchecked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Confirm: unchecked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Status: Active \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * [Area Selection]: Affected Transmitters   BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_  ERN \_\_\_\_\_\_\_\_\_\_\_\_\_\_  TT1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_  VTN \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | In the Weather Messages dialog, click [Contents]. | | The Message Contents dialog opens. |  |  | |
|  | In the Message Contents dialog’s Message Text field, enter the following text:  *“This is a generic Hazardous Weather Outlook message.”* | | The text message is entered into the Message Text textbox. |  | BMH0077 BMH0153 | |
|  | In the Message Contents dialog, click [OK]. | | The Message Contents dialog closes. |  |  | |
|  | In the Weather Messages dialog, set the following parameters:  Parameter Setting Change To   * Message Name: Hazardous Weather Outlook <no change> * Creation Date/Time: <date/time> current * Effective Date/Time: <date/time> current * Expiration Date/Time: <date/time> current + 1 day * [Area Selection]: add TT1 | | |  | BMH0011 BMH0023 BMH0053 BMH0205 BMH0206 | |
| Expected Result:  The parameters are set. | | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Messages window opens stating the message was successfully submitted. | |  |  | |
|  | Click the [OK] button to acknowledge the window. | The Weather Messages window closes. | |  |  | |
|  | Continue monitoring the Broadcast Cycle dialog. Then verify the following:   * The message is broadcast * The SAME tones and Alert tone do not play | | |  |  | |
| Expected Result:   * The submitted message audio is played over the headset or speaker * The SAME tones and Alert tone do not play | | |
|  | Edit Weather Message:  Click [Edit] in the Weather Messages dialog. | The Select Input Message dialog opens. | |  |  | |
|  | Select the xxxHWOxxx message from the Input Messages field. Then click the [OK] button. | The Select Input Message dialog closes. The selected message type and name are listed in the Weather Messages dialog. | |  |  | |
|  | Verify the following parameters are not editable:  Parameter   * Message Name * Message Type * Message Title * Language * Designation * Emergency Override * Creation Date/Time * Effective Date/Time * Defaults:   + Interrupts   + Alert   + Confirm * SAME Transmitters * [Area Selection]: The Area Selection dialog is READ ONLY | | |  | BMH0208 | |
| Expected Result:  The listed parameters/dialogs are not editable. | | |
|  | Update the following parameters:  Parameter Current Change to   * Expiration Date/Time: \_\_\_\_\_\_\_\_\_\_\_\_\_ add 1 hour * [Contents] | | |  | BMH0208 | |
| Expected Result:  The Expiration Date/Time parameter is updated. The Message Contents dialog opens. | | |
|  | Add the following message to the current text message in the Message Contents dialog:   * *“This tests editing of an existing weather message.”* | The message is modified. | |  |  | |
|  | In the Message Contents dialog, select [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select the [Submit Message] button. | The Weather Message dialog opens. | |  | BMH0142 BMH0143 | |
|  | Acknowledge the Weather Messages dialog. | The Weather Message dialog closes. | |  | BMH0082 BMH0083 | |
|  | Monitor the Broadcast Cycle dialog and the broadcast stream. Verify the updated message is broadcast, replacing the original message. Verify the Expiration Time column updates with the new expiration time. | | |  |  | |
| Expected Result:   * The submitted message is listed in the Broadcast Cycle dialog * The original message (specifically the text message) is no longer available in the Broadcast Cycle dialog * The submitted message is broadcast * The Expiration Time column updates with the new expiration time | | |
|  | Removal of Message Type from Inactive Message:  In the BMH Menu dialog, click Transmitters->Transmitter Configuration. | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click on the TT1 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | Expand the Program dropdown menu and select the TT1 Program. Then click the [Save] button. | The TT1 Program is assigned to the TT1 transmitter. The settings are saved. The Edit Transmitter dialog closes. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | In the Weather Messages dialog, click the [New] button. | All the parameter settings in the Weather Messages dialog are reset or cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters to create an Inactive Weather Message:   * Message Name: **WxMsg\_InactiveMsg** * Message Type [Change…]: **AT1ZFPAAA** * Creation Date/Time: <No change> * Effective Date/Time: <No change> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * Status: **Inactive selected** * [Area Selection]: **TT1 transmitter** * SAME Transmitters: <do not select a transmitter>   [Contents] | | |  | BMH0011 BMH0023 BMH0053 BMH0205 BMH0206 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This tests what happens when a message type is deleted while assigned to an inactive weather message.”*   Then click [OK]. | * The contents are saved * The Message Contents dialog closes | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Messages window opens. | |  |  | |
|  | Acknowledge the Weather Messages window. Then monitor the Broadcast Cycle dialog. | The Weather Messages window closes. The submitted message IS NOT listed in the Broadcast Cycle dialog’s playlist. | |  | BMH0077 BMH0263 | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
|  | Select Messages 🡪 Weather Messages… to reopen the Weather Messages dialog. | The Weather Messages dialog opens. | |  |  | |
|  | In the Weather Messages dialog, click [Edit…]. | The Select Input Message dialog opens. | |  |  | |
|  | In the Select Input Message dialog, locate WxMsg\_InactiveMsg. Verify the Active column is labeled “No” confirming the message is currently inactive. | The active column is labled “No” confirming the message is currently inactive. | |  |  | |
|  | In the Select Input Message dialog, with the WxMsg\_InactiveMsg highlighted, click [OK]. | The Weather Messages dialog updates with the selections for the WxMsg\_InactiveMsg message. | |  |  | |
|  | In the Weather Messages dialog, verify the Status is set to “Inactive”. | The status is set to Inactive. | |  |  | |
|  | In the BMH Menu, select Messages 🡪 Message Types… to open the Message Type Manager dialog. Then select the AT1ZFPAAA message type. Click the [Delete] button. | The Confirm Delete dialog opens. | |  |  | |
|  | Acknowledge the Confirm Delete dialog. | The Confirm Delete dialog closes.  The AT1ZFPAAA message type is removed from the Message Type Manager dialog. | |  |  | |
|  | Close the Message Types Manager dialog. | The Message Type Manager dialog closes. | |  |  | |
|  | In the Weather Messages dialog click [Edit…]. | The Select Input Message dialog opens. | |  |  | |
|  | Locate the WxMsg\_InactiveMsg message in the Select Input Message dialog and verify it is still listed. | The message is still listed in the Select Input Message dialog. | |  |  | |
|  | Click the Cancel button to close the Select Input Message dialog. | The Select Input Message dialog closes. | |  |  | |
|  | Removal of Message Type from Active Message:  Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are reset or cleared. | |  | BMH0015 | |
|  | In the Weather Messages dialog set the following parameters to create an active Weather Message:   * Message Name: **WxMsg\_ActiveMsg** * Message Type [Change…]: **AT2FZPAAA** * Creation Date/Time: <No change> * Effective Date/Time: <No change> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * Status: **Active radio button is selected** * [Area Selection]: **add the TT1 transmitter** * SAME Transmitters: <do not select a transmitter> * [Contents] | | |  | BMH0015 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This tests what happens when a message type is deleted while assigned to an active weather message.”* * Click [OK] | The text message is entered and saved. The Message Contents dialog closes. | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Messages window opens. | |  |  | |
|  | Acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. Verify the submitted message is listed in the playlist. | The submitted message displays IS listed in the Broadcast Cycle dialog’s playlist. | |  | BMH0015 BMH0077 BMH0263 | |
|  | In the Weather Messages dialog, click [Edit…]. | The Select Input Message dialog opens. | |  |  | |
|  | In the Select Input Message dialog, locate WxMsg\_ActiveMsg. Verify the Active column is labeled “Yes” confirming the message is currently active. | The Active column is labeled “Yes” confirming the message is currently active. | |  |  | |
|  | In the Select Input Message dialog, with the WxMsg\_ActiveMsg highlighted, click [OK]. | The Select Input Message dialog closes. The Weather Messages dialog displays with the WxMsg\_ActiveMsg selections. | |  |  | |
|  | In the Weather Messages dialog, verify the Status is set to “Active”. | The Active radio button is selected. | |  |  | |
|  | In the BMH Menu dialog, select Messages 🡪 Message Types… to open the Message Type Manager dialog. | The Message Type Manager dialog opens. | |  |  | |
|  | In the Message Type Manager dialog, select the AT2FZPAAA message type. Then click [Delete]. | The Confirm Delete dialog opens. | |  |  | |
|  | Acknowledge the Confirm Delete dialog. | The Confirm Delete dialog closes.  The AT2FZPAAA message type is removed from the Message Type Manager dialog. | |  | BMH0015 | |
|  | Close the Message Type Manager dialog. | The Message Type Manager dialog closes. | |  |  | |
|  | In the Weather Messages dialog, click [Edit…]. Then locate the WxMsg\_ActiveMsg message in the Select Input Message dialog. Verify the message is still listed. | The message is still listed in the Select Input Messagedialog. | |  | BMH0015 | |
|  | Close the Select Input Message dialog. | The Select Input Message dialog closes. | |  |  | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
| * + - 1. DMO MESSAGES: Messages 🡪 Send Demo Message…   This section demonstrates the dialogs and GUIs associated with sending a demo (DMO) weather message. This feature supports testing language/voice specific messages. A demo message will interrupt the current broadcast playlist to play one time. Upon completion, the playlist will pick up where it left off. | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT ACTUAL TONES AND MESSAGES. | | | | | | |
| NOTE: Although this test can be run using a single voice (English or Spanish), to demonstrate the full scope, we recommend that at least one of the active transmitters have a Spanish and English voice available. | | | | | | |
|  | On the BMH Menu dialog, select Messages 🡪 Send Demo Message… | The Send Demo Message dialog opens. | |  | BMH0205 BMH0206 | |
|  | Verify the list of transmitters in the Send Demo Message dialog matches the active transmitters in the BMH Menu dialog. | The transmitters listed in the Send Demo Message dialog matches the active transmitters in the BMH Menu dialog. | |  |  | |
|  | In the Send Demo Message dialog, for each transmitter in the Transmitter list, click on the Voice dropdown menu. Note which transmitters have two voices assigned. | * TXM: \_\_\_\_\_\_\_\_ * TXM: \_\_\_\_\_\_\_\_ | |  |  | |
|  | On the Broadcast Programs Cycle dialog, select a transmitter group from set identified in Step 569. Then check the Monitor In-line checkbox, if necessary. | The current playlist plays over the headset or speaker in their normal voice (assumed to be “Paul” speaking English). | |  | BMH0089 BMH0102 BMH0103 BMH0236 | |
|  | In the Send Demo Message dialog Transmitter field, select the active transmitter selected in Step 570. | The transmitter is selected. | |  |  | |
|  | In the Send Demo Message dialog, select “Violeta” from the Voice dropdown menu. | When “Violeta” is selected, the default message in the Message field changes to Spanish-language text. | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
|  | In the Send Demo Message dialog, select “Paul” from the Voice dropdown menu. | When “Paul” is selected, the default message in the Message field changes to English-language text. | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
|  | In the Send Demo Message dialog, modify the default message by adding a couple of paragraphs of text from the Sample\_EnglishText.txt file.  This is to ensure that the message continues broadcasting for 15-20 secs to allow for verification of the steps following submittal of the message. | | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
| Expected Result:  The message is modified. | | |
|  | On the Broadcast Programs Cycle dialog, note the Suite and Suite Category that is currently playing. | * Suite: \_\_\_\_\_\_\_\_ * Suite Category: \_\_\_\_\_\_\_\_ | |  | BMH0089 BMH0102 BMH0103 BMH0236 | |
|  | In the Send Demo Message dialog, click [Submit Message]. | The Demo message Success window opens. | |  |  | |
|  | Acknowledge the Demo message Success window. | The Demo message Success window closes. | |  |  | |
|  | * Monitor the following on the Broadcast Cycle dialog during the period of the DMO message broadcast:   + **Suite:**   + **Suite Category:**   + **Messages Playlist:** | | |  | BMH0013 BMH0073 BMH0119 BMH0120 BMH0127 BMH0128 | |
| **NOTE: This step can be repeated several times to ensure verification of the following steps.** | | |
| Expected Result:   * A tone of approximately 10sec duration plays to announce the interrupt message. * Upon completion of the tone, the DMO message starts broadcasting in English. * Immediately upon the sounding of the tone and for the duration of the DMO message broadcast, the settings change to the following:   + **Suite:** Interruptxxxx   + **Suite Category:** INTERRUPT   + **Playlist:** DMO message is listed in the playlist field      * After completion of the DMO broadcast, the Broadcast Cycle dialog returns to the original playlist * The Suite and Suite Category update to the settings noted in **Step 575**. * The Demo Message does not repeat | | |
|  | In the Send Demo Message dialog, select “Violeta” from the Voice dropdown menu. | When “Violeta” is selected, the default message in the message field changes to Spanish-language text. | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
|  | In the Send Demo Message dialog, modify the default message by adding a couple of paragraphs of text from the Sample\_SpanishText.txt file.  This is to ensure that the message continues broadcasting for 15-20 secs to allow for verification of the steps following submittal of the message. | | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
| Expected Result:  The message is modified. | | |
|  | On the Broadcast Programs Cycle dialog, note the Suite and Suite Category that is currently playing. | * Suite: \_\_\_\_\_\_\_\_ * Suite Category: \_\_\_\_\_\_\_\_ | |  | BMH0089 BMH0102 BMH0103 BMH0236 | |
|  | In the Send Demo Message dialog, click [Submit Message]. | The Demo message Success window opens. | |  |  | |
|  | Acknowledge the Demo message Success window. | The Demo message Success window closes. | |  |  | |
|  | * Monitor the following on the Broadcast Cycle dialog during the period of the DMO message broadcast:   + **Suite:**   + **Suite Category:**   + **Messages Playlist:** | | |  | BMH0013 BMH0073 BMH0119 BMH0120 BMH0127 BMH0128 | |
| **NOTE: This step can be repeated several times to ensure verification of the following steps.** | | |
| Expected Result:   * A tone of approximately 10sec duration plays to announce the interrupt message. * Upon completion of the tone, the DMO message starts broadcasting in Spanish using Violeta’s voice. * Immediately upon the sounding of the tone and for the duration of the DMO message broadcast, the settings change to the following:   + **Suite:** Interruptxxxx   + **Suite Category:** INTERRUPT   + **Playlist:** DMO message is listed in the playlist field      * After completion of the DMO broadcast, the Broadcast Cycle dialog returns to the original playlist * The Suite and Suite Category update to the settings noted in **Step 575**. * The Demo Message does not repeat | | |
|  | Close the Send Demo Message dialog. | The Send Demo Message dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Messages 🡪 Send Demo Message… to open the Send Demo Message dialog. | The Send Demo Message dialog opens in its default state. | |  |  | |
|  | In the Send Demo Message dialog, select a transmitter having both English and Spanish voices assigned. | The transmitter is selected. | |  |  | |
|  | In the Send Demo Message dialog, select “Violeta” from the Voice dropdown menu. | When “Violeta” is selected, the default message in the message field changes to Spanish-language text. | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
|  | In the Send Demo Message dialog, select “Paul” from the Voice dropdown menu. | When “Paul” is selected, the default message in the message field changes to English-language text. | |  | BMH0013 BMH0119 BMH0120 BMH0127 BMH0128 | |
|  | Close the Send Demo Message dialog. | The Send Demo Message dialog closes. | |  |  | |
|  | Open two terminal windows. Execute the following steps for both bmh servers px1 and px2, one per terminal:   * ssh < BMH server> (px1 and px2   + In Omaha: ssh dev14 * cd /awips2/bmh/data/playlist/BAS <or transmitter site>/messages * ls * grep DMO \*.xml * less <the latest file associated with the message you entered> * Verify the proper event code of “DMO” and the presence of the FIPS code of “9990000” below the text message | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0243 BMH0244 BMH0245 BMH0246 BMH0247 BMH0248 BMH0249 BMH0250 | |
| Expected Result:  “DMO” and “9990000” are in the text below the text message similar to the example provided below:  *<messageText> This is a demo of the manual generation of a DMO message. This is a test.</messageText>*  *<SAMEtone>ZCZC-WXR-DMO-999000+0100-0572116-KOAX/NWS-</SAMEtone>* | | |
| * + - 1. Messages 🡪 Emergency Override…   This section demonstrates the dialogs and GUIs associated with the Emergency Override dialog: | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT ACTUAL TONES AND MESSAGES. | | | | | | |
| NOTE: Use of a microphone is required for this section. | | | | | | |
|  | Ensure the headset and microphone are connected and configured prior to continuing with this section. | The headset and microphone are set up. | |  |  | |
|  | On the Broadcast Cycle dialog, select transmitter TT1 and check the Monitor In-line checkbox and monitor the playing of messages. | The messages are played over the headset or speaker | |  | BMH0089 BMH0102 BMH0103 BMH0110 BMH0236 | |
|  | On the BMH dialog, click Messages 🡪 Emergency Override… | The Emergency Override dialog opens | |  | BMH0071 BMH0110 BMH0208 BMH0215 BMH0216 | |
|  | Close the Emergency Override dialog. | The dialog closes. | |  |  | |
|  | On the BMH Menu dialog, the Emergency Override dialog can also be opened by clicking the  button to start the Emergency Override function. | The Emergency Override dialog opens | |  | BMH0071 BMH0110 BMH0208 BMH0215 BMH0216 | |
|  | In the Emergency Override dialog, note the parameter settings for the xxxHWWxxx (i.e., OMAHWWxxx). If the message type for a different site was selected, please enter those settings in the provided space. | | |  | BMH0079 BMH0080 BMH0081 | |
| Expected Result:  As an example, the following parameters are set for the message type OMAHWWxxx. If the message type for a different site was selected, please enter those settings in the provided space:   * Emergency Message Override: OMAHWWxxx \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Alert: checked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Auto Schedule: <uncheck> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Duration: 0.0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * [Area Selection]: Affected Transmitters   BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_  ERN \_\_\_\_\_\_\_\_\_\_\_\_\_\_  TT1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_  VTN \_\_\_\_\_\_\_\_\_\_\_\_\_\_   * SAME Transmitter: BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Select Messages 🡪 Message Types…to open the Message Type Manager dialog and locate xxxHWWxxx (i.e., OMAHWWxxx) and click {Edit…] | The Edit Message Type dialog opens | |  |  | |
|  | In the Edit Message Type dialog, note the parameter settings for the xxxHWWxxx. If the message type for a different site was selected, please enter those settings in the provided space. Verify the message type settings match those from Step 597. | | |  |  | |
| Expected Result:  The settings match.  As an example, the following parameters are set for the message type OMAHWWxxx. If the message type for a different site was selected, please enter those settings in the provided space:   * Emergency Message Override: OMAHWWxxx \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Alert: checked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Interrupt: checked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * SAME Originator: WXR \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * [Area Selection]: Affected Transmitters   BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_  ERN \_\_\_\_\_\_\_\_\_\_\_\_\_\_  TT1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_  VTN \_\_\_\_\_\_\_\_\_\_\_\_\_\_   * Duration: 0.0.0.0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * SAME Transmitter: BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Close the Edit Message Type dialog. | The dialog closes. | |  |  | |
|  | Close the Message Type Manager dialog. | The dialog closes. | |  |  | |
|  | Emergency Override – Multiple SAME transmitter sites:  Set the following selections on the Emergency Override dialog:  Product Test Product   * Emergency Message Override: OMAHWWxxx \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Alert: checked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Auto Schedule: <uncheck> \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Duration: 0.0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * [Area Selection]: Affected Transmitters   x BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_ ERN \_\_\_\_\_\_\_\_\_\_\_\_\_\_  x TT1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_ VTN \_\_\_\_\_\_\_\_\_\_\_\_\_\_   * SAME Transmitter: TT1 and BAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_   (or Txm from  **Step 597**)   * [Transmit] | | |  | BMH0015 BMH0053 BMH0071 BMH0078 BMH0079 BMH0080 BMH0081 BMH0110 BMH0208 BMH0205 BMH0206 BMH0215 BMH0216 | |
| Expected Result:  Emergency Override Tone Playback advisory popup displays | | |
|  | Ensure the Broadcast Cycle dialog Monitor In-line checkbox is checked and monitor the broadcast for both TT1 and BAS (or Txm from Step 597) sites. | The messages are played over the headset or speaker for both sites. | |  | BMH0089 BMH0102 BMH0103 BMH0110 BMH0236 | |
|  | Click [Yes] to acknowledge the Emergency Override Tone Playback advisory popup | | |  | BMH0071 BMH0076 BMH0080 BMH0082 BMH0083 BMH0110 BMH0146 BMH0147 BMH0148 BMH0149 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * The acknowledgment dialog closes * Message Record/Playback dialog opens displays “Initializing…” * SAME start (three long) Tones sound for both SAME transmitter sites * Alert Tones play for both sites * The Message Interrupts the broadcast on both sites | | |
|  | Since the Monitor On-line resets during the preparation of the EO message, ensure the Broadcast Cycle dialog Monitor In-line checkbox is checked after acknowledging the popup dialogs.. | The messages are being broadcast over the headset or speaker for both sites. | |  | BMH0089 BMH0102 BMH0103 BMH0110 BMH0236 | |
|  | **Test Silence (Dead Space):**  Without speaking, allow the Message Record/Playback dialog to time for approximately 20 sec | | |  | BMH0076 BMH0110 BMH0087 BMH0146 BMH0147 BMH0148 BMH0149 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * Message Record/Playback dialog opens “On the Air!” * An announcement is broadcasted that the NOAA Weather Radio Station is temporarily off the air | | |
|  | On the Message Record/Playback dialog, click [Stop] | * Message Record/Playback dialog closes * SAME stop (three short) Tones sound * The Emergency Override – Message Schedule dialog opens | |  | BMH0076 BMH0087 BMH0110 BMH0146 BMH0147 BMH0148 BMH0149 BMH0215 BMH0216 | |
|  | Click [Cancel] on the "Emergency Override - Message Schedule" dialog will be displayed. | The "Emergency Override - Message Schedule" dialog closes | |  | BMH0076 BMH0087 BMH0110 BMH0146 BMH0147 BMH0148 BMH0149 BMH0215 BMH0216 | |
|  | On the Emergency Override dialog verify the settings set at Step 602 are still displayed in the dialog. | The settings are the same. | |  |  | |
|  | Modify the Emergency Override settings as provided below:   * Emergency Message Override: <select message type that does **NOT**   belong to any of the transmitter suites>   * Click [Transmit] | | |  | BMH0071 BMH0076 BMH0079 BMH0081 BMH0087 BMH0146 BMH0147 BMH0148 BMH0149 BMH0215 BMH0216 | |
| Expected Result:  Emergency Override Tone Playback advisory popup displays | | |
|  | On the Broadcast Cycle dialog, ensure the Monitor In-line checkbox is checked | The current playlist is playing | |  |  | |
|  | Click [Yes] to acknowledge the Emergency Override Tone Playback advisory popup | | |  | BMH0076 BMH0082 BMH0083 BMH0087 BMH0146 BMH0147 BMH0148 BMH0149 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * The Emergency Override Tone Playback advisory popup closes. * Message Record/Playback dialog opens displays “Initializing…” * SAME start (three long) Tones sound * The Alert tone broadcasts after the SAME tones sound * Elapse Time counter at “0” | | |
|  | Test of Message Type that does NOT belong to transmitter suite: Once the tones have stopped and the Message Record/Playback dialog opens the “On the Air!”, you may start speaking the message:  ***“This is a test of the Emergency Override Message Playback functionality”*** | | |  | BMH0071 BMH0076 BMH0084 BMH0085 BMH0087 BMH0088 BMH0102 BMH0103 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * Message Record/Playback dialog opens “On the Air” * Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected. * The Recording Level for the message is displayed * The message is listed in the Broadcast Cycle dialog * The message is broadcast over the headset or speaker * The duration of the message is displayed with an Elapse Time counter and a visual display | | |
|  | After completing the message, click [Stop] on the Message Record/Playback dialog | | |  | BMH0084 BMH0085 | |
| Expected Result:   * Message Record/Playback dialog closes * SAME stop (three short) Tones sound * Emergency Override – Message Schedule dialog opens | | |
|  | On the Emergency Override - Message Schedule dialog, check for the following expected results: | | |  | BMH0011 BMH0084 BMH0085 BMH0163 | |
| Expected Result:   * The message type displayed in the dialog matches the selected message type in the Emergency Override dialog. * The creation and effective times are current. * The Expiration Date/Time is offset from the Effective Date/Time based on duration   Note: If Duration is set at 0.0.0.0 default value, the Expiration time will be set for Current Effective Date/Time + 1 day.. | | |
|  | Set the following selections on the Emergency Override - Message Schedule dialog:   * Message Name: <do not change> * Creation Date/Time: <do not change> * Effective Date/Time: <current date/time **+ 15 minutes>** * Expiration Date/Time: < current date/time **+ 25 min** > * Periodicity: <do not change> * Confirm: <uncheck> * [OK] | | |  | BMH0011 BMH0079 BMH0081 BMH0082 BMH0083 BMH0084 BMH0085 BMH0129 BMH0130 BMH0163 BMH0205 BMH0206 BMH0215 BMH0216 | |
| Expected Result:  Emergency Override – Scheduling advisory popup displays informing you that the message type cannot be scheduled for rebroadcast because it doesn’t belong to the transmitter suite. | | |
|  | Acknowledge the Emergency Override – Scheduling dialog | The dialog closes | |  |  | |
|  | On the Emergency Override dialog verify the settings set at Step 602 are still displayed in the dialog. | The settings are the same. | |  |  | |
|  | Modify the Emergency Override settings as provided below:   * Emergency Message Override: <select message type that does   belong to the transmitter suites such as OMAHWWxxx>   * Alert: checked * Duration: 0.5 * SAME Transmitters: BAS and TT1 (or Txm from **Step 597**) * Click [Transmit] | | |  | BMH0076 BMH0079 BMH0081 BMH0087 BMH0146 BMH0147 BMH0148 BMH0149 BMH0215 BMH0216 | |
| Expected Result:  Emergency Override Tone Playback advisory popup displays | | |
|  | On the Broadcast Cycle dialog, ensure the Monitor In-line checkbox is checked | The current playlist is playing | |  |  | |
|  | Click [Yes] to acknowledge the Emergency Override Tone Playback advisory popup | | |  | BMH0076 BMH0082 BMH0083 BMH0084 BMH0085 BMH0087 BMH0146 BMH0147 BMH0148 BMH0149 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * The advisory popup closes. * Message Record/Playback dialog opens displays “Initializing…”      * SAME start (three long) Tones sound * The Alert tone broadcasts after the SAME tones sound * Elapse Time Counter stays at “0” | | |
|  | Test Live Voice: Once the tones have stopped and the Message Record/Playback dialog opens the “On the Air!”, you may start speaking the message:  **“This is a test of the Emergency Override Message Playback functionality”** | | |  | BMH0076 BMH0080 BMH0082 BMH0083 BMH0084 BMH0085 BMH0087 BMH0088 BMH0102 BMH0103 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * Message Record/Playback dialog opens “On the Air”      * Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected. * The Recording Level for the message is displayed * The message is listed in the Broadcast Cycle dialog * Ensure the Monitor In-line box is checked on the Broadcast Cycle dialog to verify the message is being broadcast over the headset or speaker * The duration of the message is displayed with an Elapse Time counter, a bar and a visual display | | |
|  | After completing the message, click [Stop] on the Message Record/Playback dialog | | |  | BMH0084 BMH0085 | |
| Expected Result:   * Message Record/Playback dialog closes * SAME stop (three short) Tones sound * Emergency Override – Message Schedule dialog opens | | |
|  | On the Broadcast Cycle dialog, ensure the Monitor In-line checkbox is checked | The current playlist is playing | |  |  | |
|  | On the Emergency Override - Message Schedule dialog, check for the following expected results: | | |  | BMH0084 BMH0085 | |
| Expected Result:   * The message type displayed in the dialog matches the selected message type in the Emergency Override dialog. * The creation and effective times are current. * The Expiration Date/Time is offset from the Effective Date/Time based on duration. | | |
|  | Set the following selections on the Emergency Override - Message Schedule dialog:   * Message Name: <do not change> * Creation Date/Time: <do not change> * Effective Date/Time: <current date/time **+ 15 minutes>** * Expiration Date/Time: <current date/time **+ 25 min** > * Periodicity: <do not change> * Confirm: <uncheck> * [OK] | | |  | BMH0079 BMH0081 BMH0084 BMH0085 BMH0129 BMH0130 BMH0205 BMH0206 BMH0215 BMH0216 | |
| Expected Result:  Emergency Override – Message Schedule dialog closes | | |
|  | On the Broadcast Cycle dialog, ensure the Monitor In-line checkbox is checked | The current playlist is playing | |  |  | |
|  | On the Broadcast Cycle dialog, locate the EO message that was just transmitted. | Once the Effective Time for the message is reached, the message will be listed in the Broadcast Cycle dialog with a playtime approximately 10min into the future. | |  | BMH0080 BMH0084 BMH0085 BMH0215 BMH0216 BMH0263 | |
|  | On the Broadcast Cycle dialog, ensure the Monitor In-line checkbox is checked and continue monitoring the playback | * The playlist continues broadcasting. * Emergency Override message replays at the set playback time. | |  | BMH0084 BMH0085 | |
|  | Set the following selections on the Emergency Override dialog:   * Emergency Message Override: < message type associated with an   active transmitter - preferably in the GENERAL suite. i.e., OMAHWWxxx >   * [Area Selection]: <Select the transmitter, area and zone that will   be covered by the Emergency Broadcast >   * Alert: checked * Duration: 0.5 * Auto Schedule: <uncheck> * SAME Transmitter: <Select active transmitter or group of   transmitters to broadcast message >   * [Transmit] | | |  | BMH0079 BMH0081 BMH0082 BMH0083 BMH0084 BMH0085 BMH0129 BMH0130 BMH0205 BMH0206 BMH0215 BMH0216 | |
| Expected Result:  Emergency Override Tone Playback advisory popup displays | | |
|  | Click [Yes] to acknowledge the Emergency Override Tone Playback advisory popup | * Emergency Override Tone Playback advisory popup closes * Message Record/Playback dialog opens displays “Initializing…”      * SAME start (three long) Tones sound * The Alert tone broadcasts after the SAME tones sound * While in the initializing stage, the elapse time counter remains at 0 seconds. | |  | BMH0082 BMH0083 BMH0084 BMH0085 BMH0129 BMH0130 BMH0150 BMH0215 BMH0216 | |
|  | **Test Two Minute Live Message Limit:** Once the SAME and Alert tones have stopped and the Message Record/Playback dialog opens the “On the Air!”, you may start speaking the message (content are left to the tester). Continue talking for 2.5 minutes. | | |  | BMH0087 BMH0088 BMH0102 BMH0103 BMH0129 BMH0130 BMH0150 BMH0215 BMH0216 | |
| Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected. | | |
| Expected Result:   * Message Record/Playback dialog opens “On the Air”      * The Elapse Time counter starts incrementing. * The announcement is played over the headset or speaker * At about 90 seconds the Message Record/Playback dialog changes to display the “Warning: 30 secs for recording” | | |
|  | Continue talking into the microphone as the time runs out | | |  | BMH0129 BMH0130 BMH0131 | |
| Expected Result:   * Upon reaching the 2-minute limit, the Message Record/Playback dialog closes * SAME stop (three short) Tones sound * Emergency Override – Message Schedule dialog opens | | |
|  | On the "Emergency Override - Message Schedule" dialog, check for the following expected results: | | |  | BMH0129 BMH0130 BMH0131 | |
| Expected Result:   * The message type displayed in the dialog matches the selected message type in the Emergency Override dialog. * The creation and effective times are current. * The Expiration Date/Time is offset from the Effective Date/Time based on duration. | | |
|  | On the BMH Menu dialog, the Emergency Override dialog can also be opened by clicking the  button to start the Emergency Override function. | The Emergency Override dialog opens | |  |  | |
|  | Manual Message Schedule:  On the Emergency Override dialog ensure the following parameter selections are still in place:   * Emergency Message Override: OMAWSWxxx * Duration: 1.0 (set for 1 hour) * Auto Schedule: <uncheck> * Alert: <check> * SAME Transmitter: <select TT1, active transmitter or group of transmitters to broadcast message> * Click [Transmit]: | | |  | BMH0074 BMH0079 BMH0081 | |
| Expected Result:  Emergency Override – Tone Playback dialog opens. | | |
|  | Click [Yes] to acknowledge the Emergency Override – Tone Playback popup dialog | | |  |  | |
| Expected Result:   * Emergency Override – Tone Playback dialog closes * Message Record/Playback dialog opens displays “Initializing…” * SAME start (three long) Tones sound * Alert long (10 second) tone sounds * Once the tones finish, the Message Record/Playback dialog changes to “On the Air” | | |
|  | Once the tones have stopped and the Message Record/Playback dialog opens the “On the Air!”, you may start speaking the message:  *“This is a test of the Emergency Override Message Playback functionality”*  Continue monitoring the Broadcast Cycle dialog while broadcasting the message. | | |  | BMH0011 BMH0071 BMH0074 BMH0078 BMH0129 BMH0130 BMH0150 BMH0163 | |
| Expected Result:   * Message Record/Playback dialog opens “On the Air”   **Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected.**   * + The Recording Level for the message is displayed   + The duration of the message is displayed with a counter, a bar and a visual display * The announcement is broadcast * The EO message is listed in the Broadcast Cycle dialog   + Expiration time is set to the current time + 1 hour (from when the message was submitted) | | |
|  | After completing the message, click [Stop] on the Message Record/Playback dialog | | |  | BMH0078 | |
| Expected Result:   * Message Record/Playback dialog closes * SAME stop (three short) Tones sound * Emergency Override - Message Schedule dialog opens | | |
|  | On the Emergency Override - Message Schedule dialog, check for the following expected results: | | |  |  | |
| Expected Result:   * The message type displayed in the dialog matches the selected message type in the Emergency Override dialog. * The creation and effective times are current. * The Expiration Date/Time is offset from the Effective Date/Time based on the duration set at **Step** Error! Reference source not found. (current time + 1 hour). | | |
|  | Update Message Expiration:  On the Emergency Override – Message Schedule dialog, adjust the Expiration Date/Time times down from 1 hour to 15min in the future and click [OK] | The message schedule change is saved and the Message Schedule dialog closes. | |  | BMH0263 | |
|  | Monitor the Broadcast Cycle dialog. | | |  | BMH0011 BMH0163 | |
| Expected Result:   * The message shows up in the playlist on the Broadcast Cycle dialog with the updated expiration time * The message is rebroadcast | | |
|  | Autoschedule Override:  On the Emergency Override dialog set the following parameter selections:   * Emergency Message Override: OMASVRxxx (changed to ensure no confusion with previously submitted message) * Duration: 0.10 * Auto Schedule: **<CHECK>** * Alert: <check> * SAME Transmitter: <select TT1, active transmitter or group of transmitters to broadcast message> * Click [Transmit]: | | |  | BMH0071 BMH0079 BMH0081 | |
| Expected Result:  Emergency Override – Tone Playback dialog opens. | | |
|  | Click [Yes] to acknowledge the Emergency Override – Tone Playback popup dialog | * Emergency Override – Tone Playback dialog closes * Message Record/Playback dialog opens displays “Initializing…”      * SAME start (three long) Tones sound * Alert long (10 second) tone sounds * The Recording Level for the message is displayed * The duration of the message is displayed with a counter, a bar and a visual display | |  |  | |
|  | Once the tones have stopped and the Message Record/Playback dialog opens the “On the Air!”, you may start speaking the message:  “This is a test of the Emergency Override Message Playback functionality” | * Message Record/Playback dialog opens “On the Air”     Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected.   * The announcement is played * The duration of the message is displayed with an Elapse Time counter, a bar and a visual display | |  | BMH0071 BMH0074 BMH0078 BMH0129 BMH0130 BMH0150 | |
|  | After completing the message, click [Stop] on the Message Record/Playback dialog | | |  | BMH0078 | |
| Expected Result:   * Message Record/Playback dialog closes * SAME stop (three short) Tones sound | | |
|  | Continue monitoring the Broadcast Cycle dialog until the message expires. | | |  |  | |
| Expected Result:   * The current playlist is playing over the headset or speaker * The EO message is listed in the Broadcast Cycle dialog * As the message is rebroadcast, the Play Count increments * The EO message is rebroadcast until it expires based on the duration set at Step Error! Reference source not found. (current time + 10 minutes). | | |
| The following test requires 2 users (USER1 and USER2) logged into 2 separate workstations. | | | | | | |
|  | **Emergency Override on 2 Workstations:**  USER2: On a second workstation, start D2D. Then select CAVE 🡪BMH. | The BMH Menu dialog opens. | |  |  | |
|  | USER2: In the BMH Menu dialog, click Transmitters->Broadcast Cycle… | The Broadcast Cycle dialog opens. | |  |  | |
|  | USER2: Select the TT1 transmitter. Then click the Monitor In-line checkbox. | The playlist for the TT1 transmitter plays through the headset or speakers. | |  |  | |
|  | USER2: On the BMH Menu dialog, click the  button to start the Emergency Override function. | The Emergency Override dialog opens. | |  |  | |
|  | USER1 and USER2: In the Emergency Override dialog, select the same Tornado Warning Message Type (e.g., OMATORxxx). Then click the [Area Selection] button. | The Tornado Warning Message Type is selected.  The Area Selection dialog opens. | |  |  | |
|  | USER1 and USER2: Select an area in the Selected Zones/Areas/Transmitters section. Use Ctrl+A to select all areas. Then click the [Remove Selected] button. | All areas are removed from the Selected Zones/Areas/Transmitters section. | |  |  | |
|  | USER1 and USER2: Select the TT1 transmitter from the Transmitters tab. Then click the Move selectedTransmitter(s) to the Selected Table [>] button. | The TT1 transmitter is added to the Selected Zones/Areas/Transmitters section. | |  |  | |
|  | USER1 and USER2: Click the [OK] button. | The Area Selection dialog closes. The TT1 SAME checkbox becomes enabled. | |  |  | |
|  | USER1 and USER2: Click the TT1 checkbox in the SAME column. | The TT1 checkbox is selected. | |  |  | |
|  | USER1: Click the [Transmit] button. | The Emergency Override – Tone Playback window appears. | |  |  | |
|  | USER1: Click [Yes] to acknowledge the Emergency Override - Tone Playback advisory popup | | |  |  | |
| Expected Result:   * The Emergency Override - Tone Playback dialog closes * Message Record/Playback dialog opens displays “Initializing…” on USER1’s workstation * SAME start (three long) Tones sound on both workstations * The Alert Tone plays after the SAME start Tones sound on both workstations * The Message Interrupts the broadcast on both workstations | | |
|  | USER1: Once the tones have stopped, verify the Message Record/Playback dialog reads the “On the Air!”. Begin speaking a message. Continue to do so for at least 1 minute 45 seconds while USER2 begins executing Step 660. Check the Monitor In-line box on the Broadcast Cycle dialog to verify the message is being broadcast over the headset or speaker. | | |  | BMH0076 BMH0080 BMH0082 BMH0083 BMH0084 BMH0085 BMH0087 BMH0088 BMH0102 BMH0103 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * Message Record/Playback dialog reads “On the Air” after the tones stop playing      * Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected. * The Recording Level for the message displays * The Message Type is listed in the Broadcast Cycle dialog * The Monitor In-line box is automatically unchecked on the Broadcast Cycle dialog during the recording * The duration of the message is displayed with an Elapse Time counter and a bar | | |
|  | USER2: While USER1’s Emergency Override message is being broadcast live, click the [Transmit] button. | The Emergency Override – Tone Playback window appears. | |  |  | |
|  | USER2: Click [Yes] to acknowledge the Emergency Override - Tone Playback advisory popup. | | |  |  | |
| Expected Result:   * The Emergency Override - Tone Playback dialog closes * An AlertViz message appears stating that the Live Broadcast failed as transmitter is already being used by the broadcast streaming task * The current Live Broadcast message continues to broadcast over both workstations | | |
|  | USER2: Acknowledge the AlertViz message window. | The AlertViz message window closes. | |  |  | |
|  | **Broadcast Live Attempt During Emergency Override on 2 Workstations:**  USER2: While USER1’s Emergency Override message continues to broadcast live, click Messages->Broadcast Live from the BMH Menu dialog. | The Broadcast Live dialog opens. | |  |  | |
|  | USER2: Click the checkbox for the TT1 transmitter. Then click [Transmit]. | A Broadcast Live window opens warning the user that they are about to go live. | |  |  | |
|  | USER2: Click [Yes] to acknowledge the Broadcast Live advisory popup. | | |  |  | |
| Expected Result:   * An AlertViz message appears stating that the Live Broadcast failed as transmitter is already being used by the broadcast streaming task * The current Live Broadcast message continues to broadcast over both workstations | | |
|  | USER2: Acknowledge the AlertViz message window. | The AlertViz message window closes. | |  |  | |
|  | USER1: After completing the message, click [Stop] on the Message Record/Playback dialog. | | |  | BMH0084 BMH0085 | |
| Expected Result:   * Message Record/Playback dialog closes * SAME stop (three short) Tones sound on both workstations * Emergency Override – Message Schedule dialog opens | | |
|  | USER1: Click the [Cancel] button in the Emergency Override – Message Schedule dialog. | The Emergency Override – Message Schedule dialog closes.  The Emergency Override message no longer plays after the in-progress message completes playing.  The Broadcast Cycle dialog returns to the suite and playlist playing prior to the Emergency Override transmission. | |  |  | |
|  | USER2: Close the Emergency Override dialog. | The Emergency Override dialog closes. | |  |  | |
|  | **Interrupt Message during Emergency Override on 2 Workstations:**  USER2: In the BMH Menu dialog, click Messages->Weather Messages… | The Weather Messages dialog opens. | |  |  | |
|  | USER2: In the Weather Messages dialog set the following parameters:   * Message Name: **Attempt to Interrupt EO** * Message Type [Change…]: **OMATORxxx** * Creation Date/Time: <No change> * Effective Date/Time: <No change> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <select>   + Alerts: <select>   + Confirm: <deselect> * Status: **Active radio button is selected** * [Area Selection]: **Remove all areas. Then add the TT1 transmitter** * SAME Transmitters: <select the TT1 transmitter> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | USER2: At a minimum, enter the following into the Message Contents dialog:   * *“This tests what happens when an interrupt message is submitted while an EO message is currently being broadcast live.”* * Click [OK] | The text message is entered and saved. The Message Contents dialog closes. | |  |  | |
|  | USER1: In the Emergency Override dialog, with the OMATORxxx Message Type and the Alert and TT1 checkboxes selected, click the [Transmit] button. | The Emergency Override – Tone Playback window appears. | |  |  | |
|  | USER1: Click [Yes] to acknowledge the Emergency Override - Tone Playback advisory popup. | | |  |  | |
| Expected Result:   * The Emergency Override - Tone Playback dialog closes * Message Record/Playback dialog opens displays “Initializing…” on USER1’s workstation * SAME start (three long) Tones sound on both workstations * The Alert Tone plays after the SAME start Tones sound on both workstations * The Message Interrupts the broadcast on both workstations | | |
|  | USER1: Once the tones have stopped, verify the Message Record/Playback dialog reads the “On the Air!”. Begin speaking a message. Continue to do so for at least 1 minute 45 seconds while USER2 begins executing Step 676. Check the Monitor In-line box on the Broadcast Cycle dialog to verify the message is being broadcast over the headset or speaker. | | |  | BMH0076 BMH0080 BMH0082 BMH0083 BMH0084 BMH0085 BMH0087 BMH0088 BMH0102 BMH0103 BMH0150 BMH0215 BMH0216 | |
| Expected Result:   * Message Record/Playback dialog reads “On the Air” after the tones stop playing      * Note: A slight (~1sec) delay before the message is heard over the headset or speaker is expected. * The Recording Level for the message displays * The Message Type is listed in the Broadcast Cycle dialog * The Monitor In-line box is automatically unchecked on the Broadcast Cycle dialog during the recording * The duration of the message is displayed with an Elapse Time counter and a bar | | |
|  | USER2: Click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback window appears. | |  |  | |
|  | USER2: Click the [Yes] button in the Weather Messages – Tone Playback window. | The Weather Messages – Tone Playback window closes. The Weather Messages window opens stating the message was successfully submitted. The message DOES NOT interrupt the Emergency Override/Live Broadcast message. | |  |  | |
|  | USER2: Click the [OK] button in the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | USER1: After completing the message, click [Stop] on the Message Record/Playback dialog. | | |  |  | |
| Expected Result:   * Message Record/Playback dialog closes * SAME stop (three short) Tones sound on both workstations * Emergency Override – Message Schedule dialog opens * USER2’s message interrupts the broadcast with the SAME and Alert tones immediately after the Emergency Override/Live Broadcast message is completed (e.g., the Broadcast Cycle dialog does not return to the original playlist that was being broadcast prior to the Emergency Override/Live Broadcast) | | |
|  | USER1: Click the [Cancel] button in the Emergency Override – Message Schedule dialog. | The Emergency Override – Message Schedule dialog closes.  The Emergency Override message no longer plays. | |  |  | |
|  | USER2: In the Broadcast Cycle dialog, select the Tornado Warning (Attempt to Interrupt EO) message. Then click the [Expire/Delete] button. | A Confirm Expire/Delete confirmation window opens. | |  |  | |
|  | USER2: Click the [OK] button to acknowledge the Confirm Expire/Delete window. | The Confirm Expire/Delete confirmation window closes. The Tornado Warning (Attempt to Interrupt EO) message is removed from the playlist and is no longer broadcast. | |  |  | |
|  | USER2: Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
|  | USER1: Close the Emergency Override dialog. | The Emergency Override dialog closes. | |  |  | |
| End of test with 2 users. | | | | | | |
| * + - 1. Messages 🡪 Broadcast Live…   This section demonstrates the dialogs and GUIs associated with the Broadcast Live functionality: | | | | | | |
| NOTE: Use of a microphone is required for this section. | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT AN ACTUAL MESSAGE. | | | | | | |
|  | In the BMH Menu dialog, select:  Messages 🡪 Broadcast Live... | | The Broadcast Live dialog opens. |  | BMH0101 | |
|  | Without selecting a Transmitter Group, select [Transmit]. | | |  | BMH0101 | |
| Expected Result:  A Broadcast Live – Transmitters dialog opens advising that no transmitters have been selected. | |  |
|  | Click [OK] to acknowledge the Broadcast Live – Transmitters dialog. | The Broadcast Live – Transmitters dialog closes. | |  |  | |
|  | In the Broadcast Live dialog, select the TT1 Transmitter Group. Then click [Transmit]. | | |  |  | |
| Expected Result:  A Broadcast Live dialog opens advising that you are about to go live. | |  |
|  | Click [Yes] to acknowledge the Broadcast Live dialog. | | * The Broadcast Live dialog closes. * The current message stream is interrupted immediately. * Message Record/Playback dialog opens. |  |  | |
|  | Using the microphone, start speaking a message. | | |  | BMH0077 | |
| Expected Result:   * The broadcast message goes out over the selected transmitter. | | |
|  | After completion of the test broadcast message, click [Stop] in the Message Record/Playback dialog. | | |  | BMH0077 BMH0101 | |
| Expected Result:   * Message Record/Playback dialog closes * The test broadcast message ends. * The original playlist prior to the Broadcast Live message plays | | |
|  | Close the Broadcast Live dialog. | | The Broadcast Live dialog closes. |  |  | |
| * + 1. BMH Menu: System   This section demonstrates the dialogs and GUIs associated with the System portion of the BMH menu: | | | | | | |
| * + - 1. System 🡪 Import Legacy DB…   This section demonstrates the dialogs and GUIs associated with importing the legacy database into Practice Mode: | | | | | | |
| WARNING: IMPORTING THE LEGACY DATABASE IS A NON-RECOVERABLE ACTION THAT OVERWRITES YOUR CURRENT DATABASE.. AS A RESULT, THIS SECTION SHOULD ONLY BE RUN WHILE IN PRACTICE MODE. FAILURE TO DO SO COULD RESULT IN LOSS OF CURRENT DATA. | | | | | | |
|  | Proceed to Section 4.6.2.1 to test this functionality during Practice Mode. |  | |  |  | |
| * + 1. BMH Menu: Maintenance   This section demonstrates the dialogs and GUIs associated with the Maintenance portion of the BMH menu: | | | | | | |
| * + - 1. Maintenance 🡪 LDAD Configuration…   This section demonstrates the dialogs and GUIs associated with the LDAD Configuration dialog: | | | | | | |
|  | On the BMH Menu dialog, select Maintenance 🡪 LDAD Configuration... | The LDAD Configuration dialog opens. | |  |  | |
|  | In the LDAD configuration dialog, click [New...]. | The Create New LDAD Configuration dialog opens. | |  | BMH0154 BMH0205 BMH0206 BMH0212 BMH0213 BMH0214 | |
|  | Complete the "Create New LDAD Configuration" form as provided below. Those parameters settings shown in italicized letting are automatically filled when the Create New LDAD dialog opens::   * Name: TestLDAD1 * Host: ***ls1*** * Directory: ***/data/ldad/localapps/bmh/wav*** * Encoding: ***.wav***   + Dropdown selections include:     - .pcm     - .ulaw     - .wav * Voice: ***Paul*** * Dictionary: <select, if available> * Rate of Speech: 10% * Status: ***Enabled*** * Selected Message Type(s): [Add…] | | |  | BMH0105 BMH0106 BMH0107 BMH0108BMH0107 BMH0108 BMH0152 BMH0154 BMH0177 BMH0212 BMH0213 BMH0214 | |
| Expected Result:  A Select Message Types dialog opens. | | |
|  | In the Select Message Types dialog:   * Use Ctrl+MB1 clicks to add 3 message types to the ldad configuration. * [OK] | * The Select Message Types dialog closes * The selected Message Types are listed in the Create New LDAD Configuration dialog | |  | BMH0152 BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | Click [Save] in the Create New LDAD Configuration dialog. | The Create New LDAD Configuration dialog closes. The new LDAD is listed in the LDAD Configuration dialog. | |  | BMH0152 BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | On the LDAD Configuration dialog table, select the TestLDAD1 configuration. | The [Edit...] and [Delete...] buttons become enabled. | |  |  | |
|  | On the LDAD Configuration dialog, click [Edit...]. Then verify the Edit LDAD Configuration dialog contains the previously entered/saved items. | The Edit LDAD Configuration dialog opens. The Edit LDAD Configuration dialog contains the previously entered/saved items. | |  |  | |
|  | Change the Rate of Speech to 25%. | The Rate of Speech value is set to 25%. | |  |  | |
|  | In the Selected Message Type(s) section, click the [Add…] button. | The Select Message Types dialog opens. | |  |  | |
|  | In the Select Message Types dialog:   * Use Ctrl+MB1 clicks to add 3 additional message types to the ldad configuration.   [OK] | * The Select Message Types dialog closes * The selected Message Types are listed in the Create New LDAD Configuration dialog | |  | BMH0152 BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | Click [Save] in the Edit LDAD Configuration dialog. | The Edit LDAD Configuration dialog closes. | |  | BMH0152 BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | On the LDAD Configuration dialog, click [Edit...]. Then verify the Edit LDAD Configuration dialog contains the updated/saved items. | The Edit LDAD Configuration dialog opens. The Edit LDAD Configuration dialog contains the updated/saved items. | |  | BMH0152 BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | Close the Edit LDAD Configuration dialog. | The Edit LDAD Configuration dialog closes. | |  |  | |
|  | Select the TestLDAD1 configuration in the LDAD Configuration dialog. Then click [Delete]. | Verify the Ldad Config – Delete Config confirmation dialog opens. | |  | BMH0212 BMH0213 BMH0214 | |
|  | Click the [Yes] button in the Ldad Config – Delete Config confirmation dialog. | The Ldad Config – Delete Config confirmation dialog closes. The TestLDAD1 configuration is removed from the LDAD Configuration dialog. | |  |  | |
|  | In the Broadcast Cycle dialog, select the BAS transmitter. (If BAS is not active, assign a DAC and DAC Port # to the BAS transmitter through the Transmitter Configuration and associated dialog. Then enable the BAS transmitter.) | The BAS transmitter is selected. The playlist for the BAS transmitter plays over the headset or speakers. | |  |  | |
|  | Open a terminal window and locate the LDAD\_TestMsg\_Active file that was saved in preparation for testing. Then perform the following steps to prepare the LDAD\_TestMsg\_Active file:   * In a terminal and using a text editor such as vim, locate and open the LDAD\_TestMsg\_Active file * Modify the highlighted/bolded portions of the header which has the form of: YYMMDDHHMM  with the date/time described below:   *\_aT\_ENGOMASVWBAS14080902091408090210 123CD INNEC009c1408100400*   * + Red Text – Effective Date/Time: current date/time   + Blue Text – Expiration Date/Time: current date/time + 30min * Save the updated file | | |  | BMH0154 BMH0212 BMH0213 BMH0214 | |
| Expected Result:  The updated file is saved. | | |
|  | In a terminal window, copy the LDAD\_TestMsg\_Active file into the following location on the BMH server:  /awips2/bmh/data/nwr/ready | | |  |  | |
| Expected Result:  The message is ingested into the system. The message is broadcast through the BAS transmitter. | | |
|  | Open another terminal window and ssh onto ls1. Then navigate to the following directory:  */data/ldad/localapps/bmh/wav*  Verify the audio file is contained in the directory as a .wav file. | The file is in the specified directory. | |  | BMH0105 BMH0106 BMH0107 BMH0108BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | In the terminal window, locate the LDAD\_TestMsg\_Inactive file that was saved in preparation for testing. Then perform the following steps to prepare the LDAD\_TestMsg\_Inactive file:   * In a terminal and using a text editor such as vim, locate and open the LDAD\_TestMsg\_Inactive file * Modify the highlighted/bolded portions of the header which has the form of: YYMMDDHHMM  with the date/time described below:   *\_aT\_ENGOMASVWBAS14080902091408090210 123ID INNEC009c1408100400*   * + Red Text – Effective Date/Time: current date/time   + Blue Text – Expiration Date/Time: current date/time + 30min * Save the updated file | | |  | BMH0154 BMH0212 BMH0213 BMH0214 | |
| Expected Result:  The updated file is saved. | | |
|  | In a terminal window, copy the LDAD\_TestMsg\_Inactive file into the following location on the BMH server:  /awips2/bmh/data/nwr/ready | | |  |  | |
| Expected Result:  The message is ingested into the system. The inactive message IS NOT broadcast through the BAS transmitter. | | |
|  | Once the file is ingested, in the /wav directory (*/data/ldad/localapps/bmh/wav*), verify the audio file is contained in the directory as a .wav file. | The file is in the specified directory. | |  | BMH0105 BMH0106 BMH0107 BMH0108BMH0154 BMH0212 BMH0213 BMH0214 | |
|  | Close the LDAD Configuration dialog. | The LDAD Configuration dialog closes. | |  |  | |
| * + - 1. Maintenance 🡪 Manage Dictionaries…   This section demonstrates the dialogs and GUIs associated with managing the BMH Dictionaries: | | | | | | |
|  | In the Broadcast Cycle dialog, click the Monitor In-line checkbox to uncheck the checkbox. | | The broadcast discontinues playing through the headset or speakers. |  | BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | New Dictionary: In the BMH Menu dialog, select: Maintenance 🡪 Manage Dictionaries… | | |  | BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
| Expected Result:  The Dictionary Manager dialog opens. | | |
|  | English Word Test:  In the Dictionary Manager dialog, select [New Dictionary...]. | | The New Dictionary dialog opens. |  | BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | In the New Dictionary dialog, type in ‘Test’ for New dictionary name. Select ENGLISH from the dictionary language dropdown menu. Then select [OK]. | | The New Dictionary dialog closes. |  | BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | New Word: In the Dictionary Manager dialog, select the following:   * Dictionary: Test * [New Word...] | The New Word dialog opens. | |  | BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | In the New Word dialog, enter the following:   * Word/Phrase: ‘Norfolk Nebraska’ * [Create/Edit Phoneme...] | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The Pronunciation Builder dialog opens. | | |
|  | In the Pronunciation Builder dialog,   * Enter Plain Text: ‘Norfork Nebraska’ * [Play] or [Play All] | | |  | BMH0102 BMH0103 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The plain text is played on the headset or speaker with the Nebraska pronunciation for Norfolk. | | |
|  | In the Pronunciation Builder dialog, select [OK]. | The Pronunciation Builder dialog closes. The Substitution section in the New Word dialog updates with Norfork Nebraska. | |  | BMH0112 BMH0113 BMH0114 BMH0115 | |
|  | In the New Word dialog, select [Save Word]. | | |  | BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:   * The New Word dialog closes * The Word/Phrase and Plain Text entries display in the Dictionary Manager dialog | | |
|  | In the Dictionary Manager dialog, click [New Word…]. | The New Word dialog opens. | |  | BMH0112 BMH0113 BMH0114 BMH0115 | |
|  | In the New Word dialog enter the following:   * Word/Phrase: Maymah * [Create/Edit Phoneme...] | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The Pronunciation Builder dialog opens. | | |
|  | In the Pronunciation Builder dialog, perform the following action:   * Expand the dropdown menu labeled [Text] and select [Phoneme] * Click the [Build Phoneme…] button | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The Phonemes Editor/Generator dialog opens. | | |
|  | In the Phonemes Editor/Generator dialog, perform the following actions:   * Vowels and Consonants: * Select the following sounds/buttons: M, EY, M, AE, AA | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The New Phonemes/Substitute field displays the entered sounds:  *M EYO M AEO AAO* | | |
|  | In the Phonemes Editor/Generator dialog, select [Play]. | The sound is played. | |  |  | |
|  | In the Phonemes Editor/Generator dialog, click [OK]. | * The Phonemes Editor/Generator dialog closes * The Pronunciation Build dialog populates with the phoneme entered within the Phonemes Editor/Generator dialog | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | In the Pronunciation Builder dialog, click [OK]. | * The Pronunciation Builder dialog closes * The phoneme displays in the Substitution section of the New Word dialog | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | In the New Word dialog, click [Save Word]. | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| * The New Word dialog closes * The Dictionary Manager displays the just-created words and phonemes:   + Maymah   + Norfolk Nebraska | | |
|  | **Edit Word:** In the Dictionary Manager dialog, select Maymah. Then select [Edit Word...]. | The Edit Maymah dialog opens. | |  | BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | In the Edit Maymah dialog change the Word/Phrase from 'Maymah' to 'Edited Maymah'. Then select [Pronounce Word]. | The Word/Phrase is played over the headset or speaker. | |  | BMH0102 BMH0103 BMH0112 BMH0113 BMH0114 BMH0115 | |
|  | In the Pronunciation Builder dialog, select [Save Word]. | A Replace Word? window opens. | |  |  | |
|  | Click the [Yes] button in the Replace Word? Window. | | |  | BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:   * The Replace Word? window closes * The Edit Maymah dialog closes * The updated Word/Phrase and Plain Text entries are updated in the Dictionary Manager dialog | | |
|  | Delete Word: In the Dictionary Manager dialog, select the Word/Phrase 'Edited Maymah'. Then select the [Delete Word] button. | A Delete Word? window opens. | |  | BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | Click the [Yes] button to acknowledge the Delete Word? window. | The Delete Word? window closes. The selected Word/Phrase is removed from the Dictionary Manager dialog. | |  |  | |
|  | In a terminal window pointed to the BMH server, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for the following action entries:   * New Word * Update Word * Deleted Word | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 20:25:16,902 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Update Word dictionary.name [test] word [test 1] id [400]: word: [test1] -> [test 1]* | | |
|  | Export Dictionary: On the Dictionary Manager dialog select [Export Dictionary…]. | The Export BMH Dictionary browser opens. | |  |  | |
|  | Enter Test into the Name textbox. Then select the Desktop folder. Click the [OK] button. | The Export BMH Dictionary browser closes. The Test.xml file appears on the Desktop. | |  |  | |
|  | Delete Dictionary: On the Dictionary Manager dialog select:   * Dictionary: Test * [Delete Dictionary] | A Delete Dictionary? window opens. | |  |  | |
|  | Click the [Yes] button to acknowledge the Delete Dictionary? window. | * The Delete Dictionary? window closes. * The Dictionary displays ‘Select a Dictionary’ * The deleted dictionary is no longer listed in the Dictionary dropdown menu | |  | BMH0113 BMH0114 BMH0115 BMH0205 BMH0206 | |
|  | In a terminal, using any desired text editor such as vim, open and review the following log:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for the following action entries:   * New Dictionary * Deleted Dictionary | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 20:26:50,253 [qtp972116824-87] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Deleted Dictionary name [test]: Dictionary [name=test, language=ENGLISH]* | | |
|  | Spanish Word Test:  In the Dictionary Manager dialog, select [New Dictionary...]. | | The New Dictionary dialog opens. |  | BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | In the New Dictionary dialog, type in ‘Muchomucho’ for New dictionary name. Select SPANISH from the dictionary language dropdown menu. Then select [OK]. | | The New Dictionary dialog closes. |  | BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | New Word: In the Dictionary Manager dialog, select the following:   * Dictionary: Muchomucho * [New Word...] | The New Word dialog opens. | |  | BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | In the New Word dialog, enter the following:   * Word/Phrase: ‘Manana’ * [Create/Edit Phoneme...] | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The Pronunciation Builder dialog opens. | | |
|  | In the Pronunciation Builder dialog,   * Enter Plain Text: ‘Ma-nan-ya’ * [Play] or [Play All] | | |  | BMH0102 BMH0103 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The plain text is played on the headset or speaker. | | |
|  | In the Pronunciation Builder dialog, select [OK]. | The Pronunciation Builder dialog closes. The Substitution section in the New Word dialog updates with Ma-nan-ya. | |  | BMH0112 BMH0113 BMH0114 BMH0115 | |
|  | In the New Word dialog, select [Save Word]. | | |  | BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:   * The New Word dialog closes * The Word/Phrase and Plain Text entries display in the Dictionary Manager dialog | | |
|  | In the Dictionary Manager dialog, click [New Word…]. | The New Word dialog opens. | |  | BMH0112 BMH0113 BMH0114 BMH0115 | |
|  | In the New Word dialog enter the following:   * Word/Phrase: Hola * [Create/Edit Phoneme...] | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The Pronunciation Builder dialog opens. | | |
|  | In the Pronunciation Builder dialog, perform the following action:   * Expand the dropdown menu labeled [Text] and select [Phoneme] * Click the [Build Phoneme…] button | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The Phonemes Editor/Generator dialog opens. | | |
|  | In the Phonemes Editor/Generator dialog, perform the following actions:   * Vowels and Consonants: * Select the following sounds/buttons: OW, L, AA | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:  The New Phonemes/Substitute field displays the entered sounds:  *OW0 L AA0* | | |
|  | In the Phonemes Editor/Generator dialog, select [Play]. | The sound is played. | |  |  | |
|  | In the Phonemes Editor/Generator dialog, click [OK]. | * The Phonemes Editor/Generator dialog closes * The Pronunciation Build dialog populates with the phoneme entered within the Phonemes Editor/Generator dialog | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | In the Pronunciation Builder dialog, click [OK]. | * The Pronunciation Builder dialog closes * The phoneme displays in the Substitution section of the New Word dialog | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | In the New Word dialog, click [Save Word]. | | |  | BMH0111 BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| * The New Word dialog closes * The Dictionary Manager displays the just-created words and phonemes:   + Hola   + Manana | | |
|  | **Edit Word:** In the Dictionary Manager dialog, select Manana. Then select [Edit Word...]. | The Edit Manana dialog opens. | |  | BMH0113 BMH0114 BMH0115 BMH0120 | |
|  | In the Edit Manana dialog change the Word/Phrase from 'Manana' to 'Edited Manana'. Then select [Pronounce Word]. | The Word/Phrase is played over the headset or speaker. | |  | BMH0102 BMH0103 BMH0112 BMH0113 BMH0114 BMH0115 | |
|  | In the Pronunciation Builder dialog, select [Create/Edit Phoneme…]. | The Pronunciation Builder dialog opens. | |  |  | |
|  | Replace Ma-nan-ya with Ma-ña-na. Then click the [OK] button. | The Pronunciation Builder dialog closes. Ma-ña-na displays in the Substitution section of the New Word dialog | |  |  | |
|  | In the New Word dialog, click [Save Word]. | A Replace Word? window opens. | |  |  | |
|  | Click the [Yes] button in the Replace Word? Window. | | |  | BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 | |
| Expected Result:   * The Replace Word? window closes * The Edit Manana dialog closes * The updated Word/Phrase and Plain Text entries are updated in the Dictionary Manager dialog | | |
|  | Delete Word: In the Dictionary Manager dialog, select the Word/Phrase 'Hola'. Then select the [Delete Word] button. | A Delete Word? window opens. | |  | BMH0112 BMH0113 BMH0114 BMH0115 BMH0120 BMH0205 BMH0206 | |
|  | Click the [Yes] button to acknowledge the Delete Word? window. | The Delete Word? window closes. The selected Word/Phrase is removed from the Dictionary Manager dialog. | |  |  | |
|  | In a terminal window pointed to the BMH server, open and, using any desired text editor such as vim, open and review the:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for the following action entries:   * New Word * Update Word * Deleted Word | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 20:25:16,902 [qtp972116824-90] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Update Word dictionary.name [test] word [test 1] id [400]: word: [test1] -> [test 1]* | | |
|  | Export Dictionary: On the Dictionary Manager dialog select [Export Dictionary…]. | The Export BMH Dictionary browser opens. | |  |  | |
|  | Enter MuchoMucho into the Name textbox. Then select the Desktop folder. Click the [OK] button. | The Export BMH Dictionary browser closes. The Muchomucho.xml file appears on the Desktop. | |  |  | |
|  | Delete Dictionary: On the Dictionary Manager dialog select:   * Dictionary: Muchomucho * [Delete Dictionary] | A Delete Dictionary? window opens. | |  |  | |
|  | Click the [Yes] button to acknowledge the Delete Dictionary? window. | * The Delete Dictionary? window closes. * The Dictionary displays ‘Select a Dictionary’ * The deleted dictionary is no longer listed in the Dictionary dropdown menu | |  | BMH0113 BMH0114 BMH0115 BMH0205 BMH0206 | |
|  | In a terminal, using any desired text editor such as vim, open and review the following log:  /awips2/edex/logs/edex-bmh-userChangerSrvRequest-YYYYMMDD.log  for an entry for the following action entries:   * New Dictionary * Deleted Dictionary | | |  | BMH0086 BMH0093 BMH0162 BMH0163 BMH0164 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 | |
| Expected Result:  The log contains an entry similar to the following example for the actions listed above:  *INFO 2015-02-25 20:26:50,253 [qtp972116824-87] BMHSrvRequestLogger: EDEX: BMHSrvRequestLogger - User jdiaz Deleted Dictionary name [Muchomucho]: Dictionary [name=Muchomucho, language=SPANISH]* | | |
| * + - 1. Maintenance 🡪 Import BMH Dictionary…   This section demonstrates the dialogs and GUIs associated with importing the BMH Dictionary: | | | | | | |
|  | In the Dictionary Manager dialog, click on the [Select a Dictionary] dropdown menu and note which dictionaries are currently available. | The list of available dictionaries is noted. | |  |  | |
|  | On the BMH Menu, select  Maintenance 🡪 Import BMH Dictionary... | The Import BMH Dictionary browser displays. | |  | BMH0113 BMH0114 BMH0115 | |
|  | Navigate to the Desktop where there exists a copy of an exported BMH Dictionary. | The list of BMH dictionaries is displayed (all are xml files). | |  | BMH0205 BMH0206 | |
|  | Select / highlight the Test dictionary. Then click the [OK] button. | The Import BMH Dictionary browser closes.  The selected dictionary displays in the Dictionary dropdown menu in the Dictionary Manager dialog. | |  |  | |
|  | On the BMH Menu, select  Maintenance 🡪 Import BMH Dictionary... | The Import BMH Dictionary browser displays. | |  | BMH0113 BMH0114 BMH0115 | |
|  | Navigate to the Desktop where there exists a copy of an exported BMH Dictionary. | The list of BMH dictionaries is displayed (all are xml files). | |  | BMH0205 BMH0206 | |
|  | Select / highlight the Test dictionary. Then click the [OK] button. | A Dictionary Manager – Import BMH Dictionary window appears stating that the dictionary name already exists. | |  |  | |
|  | In the Dictionary Manager – Import BMH Dictionary window, click the [OK] button. | The Dictionary Manager – Import BMH Dictionary window closes. A Rename Dictionary dialog opens. | |  |  | |
|  | Enter Test222 as the dictionary name. Then click [OK]. | The Rename Dictionary dialog closes.  The selected dictionary displays in the Dictionary dropdown menu in the Dictionary Manager dialog. | |  |  | |
|  | Delete Dictionary: On the Dictionary Manager dialog select:   * Dictionary: Test222 * [Delete Dictionary] | A Delete Dictionary? window opens. | |  |  | |
|  | Click the [Yes] button to acknowledge the Delete Dictionary? window. | * The Delete Dictionary? window closes. * The Dictionary displays ‘Select a Dictionary’ * The deleted dictionary is no longer listed in the Dictionary dropdown menu | |  | BMH0113 BMH0114 BMH0115 BMH0205 BMH0206 | |
|  | Close the Dictionary Manager dialog. | The Dictionary Manager dialog closes. | |  |  | |
| * + - 1. Maintenance 🡪 Convert Legacy Dictionary…   This section demonstrates the dialogs and GUIs associated with managing the BMH Legacy Dictionary: | | | | | | |
|  | On the BMH Menu, select Maintenance 🡪 Convert Legacy Dictionary... | The Convert Legacy Dictionary browser opens. | |  | BMH0113 BMH0114 BMH0115 | |
|  | In the Convert Legacy Dictionary dialog, browse to where the legacy dictionaries are located.  If using the test dictionaries files, go to: <home>/dictLib folder | | |  | BMH0113 BMH0114 BMH0115 | |
| Expected Result:  The folder contents are displayed | | |
|  | Highlight the desired dictionary, for example  OAX-tom-sub.dic  then [OK] | The Legacy Dictionary Converter dialog opens | |  | BMH0113 BMH0114 BMH0115 | |
|  | Select a word the click [Generate Phoneme] | * Selected word: \_\_\_\_\_\_\_\_\_\_ * The Pronunciation Builder dialog opens | |  | BMH0118 | |
|  | Modify the Plain Text field.  Click [Play] | * Modified word: \_\_\_\_\_\_\_\_\_\_ * The audio is played over the headset or speaker | |  | BMH0102 BMH0103 BMH0118 | |
|  | In the Pronunciation Builder dialog click [OK] | * The Pronunciation Builder dialog closes * The updated phoneme/text is displayed in the Legacy Dictionary Converter dialog’s Phoneme field. | |  | BMH0118 | |
|  | In the Legacy Dictionary Converter dialog, select a different dictionary.  If a different dictionary is not listed in the Saving to Dictionary field, select [New Dictionary] and enter “Test2Dictionary” | * Selected Dictionary: \_\_\_\_\_\_\_\_\_\_\_\_ * The selected/new dictionary is now listed in the “Saving to Dictionary” field | |  | BMH0118 | |
|  | In the Legacy Dictionary Converter dialog, click [Save Word] | The table is updated | |  | BMH0118 | |
|  | Select a different dictionary | Verify the phoneme is still in the phoneme text field | |  | BMH0113 BMH0114 BMH0115 | |
|  | Close the Legacy Dictionary Converter dialog | Dialog closes. | |  |  | |
|  | On the BMH Menu, select Maintenance 🡪 Convert Legacy Dictionary... | The Convert Legacy Dictionary dialog opens | |  | BMH0113 BMH0114 BMH0115 | |
|  | In the Convert Legacy Dictionary dialog, browse to where the legacy dictionaries are located.  If using the test dictionaries files, go to: <home>/dictLib folder and locate the same legacy dictionary used for Step 789.  [OK] | | |  | BMH0113 BMH0114 BMH0115 | |
| Expected Result:  The Legacy Dictionary Converter dialog opens | | |
|  | Select the same word as Step 790 and compare to the modification made at Step 791. | The Legacy Dictionary Converter dialog opens  The word/phoneme has not changed. | |  | BMH0113 BMH0114 BMH0115 | |
|  | Select Maintenance 🡪 Manage Dictionaries… to open the Dictionary Manager dialog. | Dialog opens | |  |  | |
|  | In the Dictionary Manager dialog, click [Select a Dictionary] and select the dictionary used at Step 793. | The dictionary opens. | |  |  | |
|  | In the Dictionary Manager dialog, verify that the dictionary contains the modified word/phrase. | The dictionary contains the updated word. | |  |  | |
|  | In the Dictionary Manager dialog, click [Select a Dictionary] and select the dictionary used at Step 793. | The dictionary opens. | |  | BMH0113 BMH0114 BMH0115 BMH0118 | |
|  | Close the Dictionary Manager dialog | Dialog closes. | |  |  | |
|  | Close the Legacy Dictionary Converter dialog | Dialog closes. | |  |  | |
| * + - 1. Maintenance 🡪 DAC Configurations…   This section demonstrates the dialogs and GUIs associated with the Digital Analog Conveter (DAC) Configuration dialog: | | | | | | |
|  | New DAC:  In the BMH Menu dialog, select:  Maintenance | DAC Configuration... | | |  |  | |
| Expected Result:  The DAC Configuration dialog opens | | |
|  | In the DAC Configuration dialog select [New...] | | The Create DAC Configuration dialog opens with the entries autofilled by the system. |  | BMH0205 BMH0206 | |
| NOTE: This test assumes that a DAC1 is already assigned to the system. Therefore, the autofill will start with DAC1 and IP Address 10.2.69.102. | | |
|  | Note: The name assigned to DAC are not case-specific and can be all CAPS or all lowercase. The only limitation is a maximum of 40 characters. | | |  | BMH0205 BMH0206 BMH0222 | |
| In the Create DAC Configuration dialog, verify the following information:   * DAC Name: dac2 * DAC IP Address: 10.2.69.102 * Receive Address: 239.255.86.75   Note: 239.255.86.75 is a multicast address   * Receive Port: 22000 * Channel Base Port: 22002 * Channel Base Port: 22004 * Channel Base Port: 22006 * Channel Base Port: 22008 * [Create] | | |
| Expected Result:   * The Create DAC Configuration dialog closes * The created DAC is listed in the DAC Configuration dialog | | |
|  | In the DAC Configuration dialog select [New Dictionary...] to create DAC3 | | The Create DAC Configuration dialog opens |  | BMH0205 BMH0206 BMH0222 | |
|  | New DAC3 – Duplicate DacID Check:  In the Create DAC Configuration dialog, enter the following information:   * DAC Name: From **DAC3** 🡪 **DAC2** * DAC IP Address: 10.2.69.102 * Receive Address: 239.255.86.75   Note: 239.255.86.75 is a multicast address   * Receive Port: 23000 * Channel Base Port: 23002 * Channel Base Port: 23004 * Channel Base Port: 23006 * Channel Base Port: 23008 * [Create] | | |  | BMH0205 BMH0206 BMH0222 | |
| Expected Result:   * An Invalid Entries advisory dialog opens to let you know that Dac names must be unique. | | |
|  | Acknowledge the Invalid Entries dialog | Dialog closes and you are returned to the Create DAC Configuration dialog | |  |  | |
|  | New DAC3 – Duplicate PortID Check:  In the Create DAC Configuration dialog, modify the following parameters:   * DAC Name: **DAC2** 🡪 **DAC3** * Channel Base Port: 23002 (do not change) * Channel Base Port: **23004** 🡪 **23002** * [Create] | | |  | BMH0205 BMH0206 BMH0222 | |
| Expected Result:  An Invalid Entries advisory dialog opens to let you know that each Channel Base Port requires a unique integer value. | | |
|  | Acknowledge the Invalid Entries dialog | Dialog closes and you are returned to the Create DAC Configuration dialog | |  |  | |
|  | New DAC3 – PortID In-Use Check:  In the Create DAC Configuration dialog, modify the following parameter:   * Channel Base Port: **23003** 🡪 **21002** * [Create] | | |  | BMH0205 BMH0206 BMH0222 | |
| Expected Result:  An Invalid Entries advisory dialog opens to let you know that the entered Channel Base Port is already in use by another DAC. | | |
|  | Acknowledge the Invalid Entries dialog | Dialog closes and you are returned to the Create DAC Configuration dialog | |  |  | |
|  | New DAC3 – Create DAC3 Check:  In the Create DAC Configuration dialog, modify the following original parameter setting:   * Channel Base Port: **21002** 🡪 **23004** * [Create] | | |  | BMH0205 BMH0206 BMH0222 | |
| Expected Result:  The Create DAC Configuration dialog closes  DAC3 is listed in the DAC Configuration dialog with all ports. | | |
|  | Edit DAC:  In the DAC Configuration dialog, select (highlight) DAC3 then click [Edit...] | The Edit DAC Configuration dialog opens | |  | BMH0205 BMH0206 BMH0222 | |
|  | In the Edit DAC Configuration dialog, modify some of the fields, change the DAC Name from DAC3 to DAC33, then click [Cancel] | * The Edit DAC Configuration dialog closes * No changes are made to the created DAC in the DAC Configuration dialog | |  |  | |
|  | In the DAC Configuration dialog, select (highlight) DAC3 then click [Edit...] | The Edit DAC Configuration dialog opens | |  |  | |
|  | In the Edit DAC Configuration dialog, modify some of the fields, change the DAC Name from DAC3 to DAC33, then click [Save] | * The Edit DAC Configuration dialog closes * The changes are displayed in the DAC Configuration dialog | |  | BMH0205 BMH0206 BMH0222 | |
|  | Delete DAC: In the DAC Configuration dialog, select (highlight) DAC33 then click [Delete] | A Confirm Delete dialog opens requesting an acknowledgment of the delete action | |  | BMH0205 BMH0206 BMH0222 | |
|  | Reject the Confirm Delete dialog by clicking [No] | * The Confirm Delete dialog closes * The DAC is not deleted and continues to be listed in the DAC Configuration dialog | |  |  | |
|  | In the DAC Configuration dialog, select (highlight) the DAC33 then click [Delete] | A Confirm Delete dialog opens requesting an acknowledgment of the delete action | |  |  | |
|  | Acknowledge the Confirm Delete dialog by clicking [Yes] | * The Confirm Delete dialog closes * The DAC is deleted and no longer listed in the DAC Configuration dialog | |  |  | |
|  | Close the DAC Configuration dialog | Dialog closes. | |  |  | |
| * + - 1. Maintenance 🡪 Voice Configuration…   This section demonstrates the dialogs and GUIs associated with managing the Voice Configuration dialogs: | | | | | | |
|  | On the BMH Menu, select Maintenance 🡪 Voice Configuration... | The TTS Voice Configuration dialog opens | |  | BMH0113 BMH0114 BMH0115 BMH0209 | |
|  | By default, the first name in the Voices list is selected. Note whether the Dictionary field is empty. | * The first name in the list is selected. * Dictionary Field: \_\_\_\_\_\_\_\_\_\_\_ | |  | BMH0113 BMH0114 BMH0115 BMH0209 | |
|  | Click [Change…] next to the Dictionary field | | |  | BMH0113 BMH0114 BMH0115 | |
| Expected Result:   * The Select Dictionary dialog opens. * If the Dictionary field is empty, the [OK] is disabled * If the Dictionary field is filled in, the [OK] button is enabled. | | |
|  | If no dictionaries are listed in the previous step, create a new dictionary for each voice per Section 4.3.5.2, Step 718 to Step 720. |  | |  |  | |
|  | Highlight a dictionary in the Select Dictionary dialog. | The [OK] button is enabled. | |  | BMH0113 BMH0114 BMH0115 | |
|  | Click [OK] in the Select Dictionary dialog | * The Select Dictionary dialog closes * The selected dictionary is now listed in the Dictionary field (replacing the previously listed dictionary if that was the case) | |  | BMH0113 BMH0114 BMH0115 | |
|  | Click [Save] in the TTS Voice Configuration dialog’s Attributes section | The Dictionary change is saved. | |  | BMH0113 BMH0114 BMH0115 | |
|  | Select Violeta in the Voices list of the TTS Voice Configuration dialog.  Note whether the Dictionary field is empty. | * Violeta is selected. * Dictionary Field: \_\_\_\_\_\_\_\_\_\_\_ | |  | BMH0113 BMH0114 BMH0115 | |
|  | Select Paul in the Voices list of the TTS Voice Configuration dialog. Note whether the Dictionary field is empty. | * Paul is selected. * Dictionary Field reflects the change made at **Step 832**. | |  | BMH0113 BMH0114 BMH0115 BMH0177 | |
|  | Close the Voice Configuration dialog | Dialog closes. | |  |  | |
| * 1. Input Message Handler   This section demonstrates the BMH Input Message Handler functionality. | | | | | | |
| * + 1. Message Processing   This section demonstrates the processing of messages. It looks at the system’s ability to determine whether a message requires text-to-speech processing and to determine the appropriate language (English or Spanish) to assign. It also considers the system’s ability to identify valid, expired and invalid messages. | | | | | | |
| * + - 1. Message Retention and Purge   This section demonstrates the ability to retain and purge messages: | | | | | | |
| NOTE: Currently, BMH has been configured to retain messages for a period of 60 days. | | | | | | |
|  | In a terminal, go to the directory where you saved off the files required to support testing. (i.e., /tmp) and locate the file BOUFLSOSH.V0130\_130\_10023723 |  | |  |  | |
|  | Using the linux command:  *cp BOUFLSOSH.V0130\_130\_10023723 <newfilename>*  make four copies the expired file with the following names:   * BOUFLSOSH.V0130\_130\_10023723\_58days * BOUFLSOSH.V0130\_130\_10023723\_59days * BOUFLSOSH.V0130\_130\_10023723\_60days * BOUFLSOSH.V0130\_130\_10023723\_61days | | |  | BMH0160 BMH0208 | |
| Expected Result:  The files are created | | |
|  | Using a text editor such as vim, open each of the new files that were just created and modify the highlighted/bolded portion of the header which has the form of: YYMMDDHHMM  *\_aT\_ENGOMAFLSOSH14081002371408100237 130CD NCOC115c1408100400*  of each file as follows:   * <filename>\_58days: current date minus 58 days * <filename>\_59days: current date minus 59 days * <filename>\_60days: current date minus 60 days * <filename>\_61days: current date minus 61 days   Before the line of text in the message, insert the following description:  *This expired message is xx days old.*  *THE FOLLOWING IS A FLOOD ADVISORY BULLETIN, FOR THE FOLLOWING COUNTY,*  where xx matches the days in the filename. | | |  | BMH0160 BMH0208 | |
| Expected Result:  The files are modified. | | |
|  | In a terminal window, copy the expired files into the following location:  /awips2/bmh/data/nwr/ready | | |  | BMH0160 BMH0208 | |
| Expected Result:  The four messages are ingested into the system. | | |
|  | In a terminal window, go to the following directory on both px1 and px2 (the EDEX servers in a cluster environment):  ssh px1-<server> or px2-<server>  cd /awips2/edex/logs  After the messages are ingested, execute the following command to check for entries that the messages were rejected as EXPIRED.  grep BOUFLSOSH.V0130\_130\_10023723 \*<yyyymmdd>.log | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0093 BMH0160 BMH0208 | |
| Expected Result:  The edex-bmh-<yyyymmdd>.log file contains errors similar to the following for each of the four files:  *edex-bmh-20150305.log:ERROR 2015-03-05 20:14:40,807 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - BOUFLSOSH.V0130\_130\_10023723 failed to validate with transmission status: EXPIRED* | | |
|  | In a terminal window, copy the file: [BADMESSAG.V0130\_222\_10045000] into:  /awips2/bmh/data/nwr/ready  Monitor the folder until the message disappears. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0160 BMH0208 | |
| Expected Result:  The message disappears from the folder | | |
|  | Review the /awips2/edex/logs/edex-bmh-yyyymmdd.log for an ERROR message similar to the following related to the message file:  *ERROR 2014-12-01 16:56:07,425 [Camel (clusteredBmhDirectoryScanner) thread #4 - file:///awips2/bmh/data/nwr/ready] InputMessageParser: INPUT\_MESSAGE\_PARSE\_ERROR: BMH - Error Parsing InputMessage* | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0086 BMH0093 BMH0160 BMH0165 BMH0166 BMH0167 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0208 | |
| Expected Result:  The message is contained in the log file | | |
|  | NOTE: This step is checking for any messages in the database older than 60 days. | | |  | BMH0025 BMH0160 BMH0208 | |
| * Start a pgadmin session, open the bmh database and select:   *<server>🡪Databases🡪BMH🡪Schemas🡪bmh🡪Tables🡪transmitter*   * Execute the following query:   *select distinct \* from bmh.input\_msg where expirationtime < ‘yyyy-mm-dd 12:00:00’*  where yyyy-mm-dd is the current date minus 58 days. This query will produce all products older that the date entered. | | |
| Expected Result:  The query produces all messages older than 58 days. | | |
|  | Review the query output for the four expired messages that were submitted.  Verify the “Name” column shows the filenames of the submitted/ingested files.  Make note of the id integer cell associated with each submitted message. | | |  | BMH0025 BMH0160 BMH0208 | |
| Expected Result:   * The four messages are listed in the query. * They have the following message integer ids:   + 58day message: \_\_\_\_\_\_\_\_\_\_\_\_\_\_   + 59day message: \_\_\_\_\_\_\_\_\_\_\_\_\_\_   + 60day message: \_\_\_\_\_\_\_\_\_\_\_\_\_\_   + 61day message: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | * Start a pgadmin session, open the bmh database and select:   *<server>🡪Databases🡪BMH🡪Schemas🡪bmh🡪Tables🡪transmitter*   * Execute the following sql query:   *select \* from bmh.validated\_msg where transmissionstatus = 'EXPIRED'*   * Verify the integer IDs from **Step 844** are listed under the input\_msg\_id column in the resulting product. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0160 BMH0208 | |
| Expected Result:  The message integer IDs are marked as EXPIRED in the validated\_msg table. | | |
| NOTE: Since the purge job only runs once a day, return in 24 hrs to complete this section. If you would like to expidite this process, bounce both px servers. When the servers are restarted, purge will run. Purge will then run every 24 hours thereafter. | | | | | | |
|  | NOTE: This step is checking for any messages in the database older than 60 days. | | |  | BMH0025 BMH0160 BMH0208 | |
| Open a pgadmin session and execute the following query:  *select distinct \* from bmh.input\_msg where expirationtime < ‘yyyy-mm-dd 12:00:00’*  where yyyy-mm-dd is the current date minus 58 days. This query will produce all products older that the date entered. | | |
| Expected Result:  No messages older than 60 days are returned. | | |
|  | Review the query output for the four expired messages that were submitted. | | |  | BMH0025 BMH0160 BMH0208 | |
| Expected Result:  Only two newest messages of the original four that were submittal should be in the database. | | |
| * 1. Message and live voice broadcast management   This section demonstrates Message and Live Voice Broadcast Management functionality. | | | | | | |
| * + 1. Alarms   This section demonstrates the BMH implementation of Alarms. | | | | | | |
| * + - 1. Silence Alarm   This section demonstrates the ability to processing of Silence Alarms: | | | | | | |
|  | On the Linux system menu bar, MB3 click on the AlertViz icon  and select [Configuration…]. | The Alert Visualization (AlertViz) Configuration dialog opens. | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
|  | In the AlertViz Configuration dialog, set the following parameters:  **Prerequisite Check:**   * When you open the AlertViz dialog, verify that there is a DAC\_Transmit category listed in the in the Layout field.   + If DAC\_TRANSMIT, does not exist, it will need to be created by clicking the [New…] button.   + In the New Category dialog, enter DAC\_TRANSMIT for the Text Key and a description in the Description textbox.   + Click [Save].   **Layout Category:**   * Select the DAC\_TRANSMIT and confirm that it has CELL #1 applied. If the CELL # is set to “None”, perform the following actions:   + In the “Click cell to add to category:” section, select the “1” box   **Common Settings:**   * Set the Audio Duration setting to 5 seconds   **Sources and Priorities:**   * Sources: BMH   + If BMH, does not exist, it will need to be created by clicking the [New…] button   + In the New Source dialog, enter BMH for the Text Key and a description in the Description textbox.   + Click [Save]   + If an AlertViz: Change from other AlertViz Session window appears, click the [NO] button * Audio: <check levels 0 and 1 under HIGH> * Click the  button next to each checkbox   + Select a sound file in the Audio Selection File dialog   + Click [OK]   **AlertViz Configuration Dialog:**   * Click [Save As…] * Enter BMH\_Test in the Configuration textbox * Click [SAVE] * Minimize the AlertViz Configuration dialog. (These settings will be reset to default after completion of this section.) | | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
| Expected Result:  The configuration settings are saved. The AlertViz Configuration dialog is minimized. | | |
|  | In the Broadcast Cycle dialog, identify an available (active) transmitter or use transmitter TT1. | Transmitter: \_\_\_\_\_\_ (i.e., TT1) | |  |  | |
|  | **Note: When a box is checked in the Silence Alarm dialog, the Silence Alarm is disabled for that transmitter. Unchecking the box enables (activates) the silence alarm functionality.** | | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
| On the BMH dialog, click Transmitters 🡪 Disable Silence Alarm… | The Silence Alarm dialog opens | |
|  | Compare the transmitters in the Silence Alarm dialog to the transmitters listed in the BMH Menu dialog and verify that there is a yellow check mark next to the transmitters that have Silence Alarms disabled. |  | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
|  | In the Silence Alarm dialog, select the transmitter noted at **Step 850** and uncheck the checkbox next it and click [OK].  This will enable the Silence Alarm to sound for the transmitter. | The transmitter is enabled | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0233 | |
|  | Compare the transmitters in the Silence Alarm dialog to the transmitters listed in the BMH Menu dialog and verify the yellow check mark is no longer seen next to the selected transmitter. |  | |  |  | |
|  | On the BMH dialog, click Transmitters 🡪 Broadcast Cycle… | The Broadcast Programs Cycle dialog opens. | |  |  | |
|  | On the Broadcast Programs Cycle dialog, select the transmitter that has had the Silence Alarm enabled and select the Monitor In-line checkbox. | The current playlist is being broadcast. | |  |  | |
|  | On the BMH dialog, click Messages 🡪 Emergency Override…menu or click on the  button to start the Emergency Override function. | The Emergency Override dialog opens | |  |  | |
|  | On the Emergency Override dialog, deselect any SAME transmitters that are checked EXCEPT for TT1 or as noted in Step 850. | Only one transmitter is selected. | |  |  | |
|  | On the Emergency Override dialog, click [Transmit] | The Emergency Override – Tone Playback acknowledgment dialog opens | |  |  | |
|  | Acknowledge the Emergency Override – Tone Playback dialog. | | |  |  | |
| Expected Result:   * The acknowledgment dialog closes * The Message Record/Playback dialog opens showing “Initialize” in red text. * The SAME tones sound. | | |
|  | Since this test is to monitor the Silence Alarm function, simply monitor the Message Record/Playback dialog. DO NOT transmit/record any message.  Monitor the AlertViz dialog for any error messages. | | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
| Expected Result:   * The Message Record/Playback dialog opens showing “Initialize” in red text for a short period of time. * After a short delay, the Message Record/Playback dialog opens showing “On the Air!” in red text. * After about 10 seconds, an audible alarm will sound. * After about 10 seconds, an AlertViz message displays:   *ERROR 2015-03-04 20:38:58,546 [SilenceAlarmThread] SilenceAlarm: TT1 has been silent for 10seconds.* | | |
|  | On the Message Record/Playback dialog, click [Stop] to end the Emergency Override. | * The SAME End Tones play to close the message * The broadcast of the current playlist picks up where it left off. * The Emergency Override Message Schedule dialog opens | |  |  | |
|  | In the Emergency Override Message Schedule dialog, click [Cancel] | Emergency Override Message Schedule dialog closes. | |  |  | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Silence Alarms… to open the Silence Alarm dialog, select TT1 or the transmitter noted at **Step 850** and check the checkbox next it and click [OK].  This will disable the Silence Alarm for the transmitter. | * The transmitter silence alarm is disabled * The Silence Alarm dialog closes. | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
|  | On the BMH Menu transmitter status, verify that TT1 (or the transmitter noted at **Step 850**, now shows a yellow check mark. |  | |  |  | |
|  | On the Broadcast Programs Cycle dialog, ensure the TT1 (or the selected transmitter) is selected and check the Monitor In-line checkbox. | The current playlist is being broadcast. | |  |  | |
|  | On the Emergency Override dialog, click [Transmit] | The Emergency Override – Tone Playback acknowledgment dialog opens | |  |  | |
|  | Acknowledge the Emergency Override – Tone Playback dialog. | | |  |  | |
| Expected Result:   * The acknowledgment dialog closes * The Message Record/Playback dialog opens showing “Initialize” in red text. | | |
|  | Since this test is to monitor the Silence Alarm function, simply monitor the Message Record/Playback dialog for about 1 minute. DO NOT transmit/record any message.  Monitor the AlertViz dialog for any error messages. | | |  | BMH0183 BMH0186 BMH0187 BMH0188 BMH0231 BMH0232 BMH0233 | |
| Expected Result:   * The Message Record/Playback dialog opens showing “Initialize” in red text for a short period of time. * After a short delay, the Message Record/Playback dialog opens showing “On the Air!” in red text. * **NO** audible alarms sound. * **NO** AlertViz message similar to the one provided below is contained in the AlertViz log.:   *ERROR 2015-03-04 20:38:58,546 [SilenceAlarmThread] SilenceAlarm: TT1 has been silent for 10seconds.* | | |
|  | In the Message Record/Playback dialog, click [Stop] | * The SAME End Tones play to close the message * The broadcast of the current playlist picks up where it left off. * The Emergency Override Message Schedule dialog opens | |  | |  |
|  | In the Emergency Override Message Schedule dialog, click [Cancel] | Emergency Override Message Schedule dialog closes. | |  |  | |
|  | Close the Emergency Override dialog. | Dialog closes. | |  |  | |
|  | Reopen the AlertViz Configuration dialog and uncheck Audio levels ‘0’ and ‘1’. The click [Save] to save the updated configuration. | The AlertViz configuration changes are saved. | |  |  | |
|  | Close the AlertViz Configuration dialog. | Dialog closes. | |  |  | |
| * + 1. Tone and Code SupporT   This section demonstrates the Tone and Code Support functionality. | | | | | | |
| * + - 1. Alert and SAME Tones   This section demonstrates the ability to processing of Alert and SAME Tone selections: | | | | | | |
|  | On the Broadcast Cycle dialog, select the TT1 transmitter. Check the Monitor In-line checkbox, if necessary. | The broadcast is played over the headset or speaker. | |  | | BMH0102 BMH0103 BMH0236 |
|  | * Identify a message in the TT1 suite:   + On the BMH Menu dialog, select Messages->Suite Manager to open the Suite Manager dialog   + Select the TT1 General suite and click [Edit…] to open the Edit Suite dialog * Identify a message type which does not have a SAME tone assigned (i.e., xxxZFPxxx):   + On the BMH Menu dialog, select Messages 🡪 Message Types... to open the Message Type Manager dialog   + Select a Message Type within the TT1 suite (referencing the Edit Suite dialog) and click [Edit...] to open the Edit Message Type dialog   + Verify no checkboxes are selected in the SAME Transmitters column.   + Repeat as necessary until a message type has been identified | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 |
| Expected Result:  Note the selected Message Type without SAME tones assigned: \_\_\_\_\_\_\_\_\_ | | |
|  | Close the Edit Message Type, Message Type Manager, Edit Suite, and Suite Manager dialogs. | The Edit Message Type, Message Type Manager, Edit Suite, and Suite Manager dialogs close. | |  | |  |
|  | On the BMH dialog, click Messages 🡪 Weather Messages… | The Weather Messages dialog opens. | |  | |  |
|  | Tone Test 1 – No Alert Tone and SAME Tone:  In the Weather Messages dialog set the following:   * Message Name: **WxMsgToneTest1** * Message Type: [Change…] <message type identified in **Step 876**>   + E.g., xxxZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <**current time + 15 minutes**> * Defaults   + Interrupt: <not checked>   + Alert: <not checked>   + Confirm: <not checked> * Status: Active * [Area Selection…]: **Remove all areas. Then add the TT1 transmitter** * SAME Transmitters: <no transmitter selected> * [Contents] | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is Weather Message Tone Test 1 with no Alert or SAME tones selected.”*   Then click [OK]. | The message is entered into the Message Text textbox. The Message Contents dialog closes. | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140BMH0142 |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Messages window opens stating that the message was successfully submitted. | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0263 |
|  | Click [OK] to acknowledge the popup window. | * The Weather Messageswindow closes * The submitted message displays in the Broadcast Cycle dialog within the current playlist | |  |  | |
|  | Monitor the messages until the submitted message audio plays at least two times. | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 BMH0263 |
| Expected Result:   * The Broadcast Cycle dialog shows that the submitted message is part of the Suite Category: GENERAL playlist. * No SAME or Alert tones play. * The current playlist (with the incorporated message) continues to broadcast. | | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  | |  |
|  | Tone Test 2 – Alert Tone only:  In the Weather Messages dialog set the following:   * Message Name: WxMsgToneTest2 * Message Type [Change…]: <message type identified in **Step 876**>   + E.g., xxxZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <**current time + 15 minutes**> * Defaults   + Interrupt: <checked>   + Alert: <checked>   + Confirm: <not checked> * Status: Active * [Area Selection…]: **Remove all areas. Then add the TT1 transmitter** * SAME Transmitters: <no transmitter selected> * [Contents]: | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is Weather Message Tone Test 2 with Interrupt checked and Alert selected but no SAME tones selected.”*   Then click [OK]. | The message is entered into the Message Text textbox. The Message Contents dialog closes. | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0223 |
|  | In the Weather Messages dialog, select [Submit Message]. | The Weather Messages – Tone Playback window opens. | |  | |  |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback window. | * The Weather Messages – Tone Playbackwindow closes * A Weather Messages window opens stating that the message was successfully submitted. | |  | BMH0082 BMH0083 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0142 BMH0143 BMH0223 BMH0263 | |
|  | Click the [OK] button to acknowledge the Weather Messages window. | * The Weather Messageswindow closes * The submitted message displays in the Broadcast Cycle dialog within the current playlist | |  |  | |
|  | Monitor the messages in the Broadcast Cycle dialog until the submitted message audio plays at least two times. | | |  | | BMH0102 BMH0103 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0142 BMH0143 BMH0223 |
| Expected Result:   * The Broadcast Cycle dialog shows that the submitted interrupt message is part of the Suite Category: Interrupt playlist. * The submitted interrupt playlist message only plays the 10-second Alert Tone the first time the message plays. * Once the message audio has completed playing over the headset or speaker, the current playlist picks up where it left off, incorporating/replacing the ZFP product into the playlist. * No Alert tones play on subsequent broadcasts of the message. | | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  | |  |
|  | Tone Test 3 – Alert Tone and SAME Tone:  In the Weather Messages dialog set the following:   * Message Name: WxMsgToneTest3 * Message Type [Change…]: <message type identified in **Step 876**>   + E.g., xxxZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <**current time + 15 minutes**> * Defaults   + Alert: <checked>   + Interrupt: <checked>   + Confirm: <not checked> * Status: Active * [Area Selection…]: **Remove all areas. Then add the TT1 transmitter** * SAME Transmitters: TT1 * [Contents] | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 BMH0142 BMH0143 |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is Weather Message Tone Test 3 with Interrupt checked and Alert and SAME tones selected.”*   Then click [OK]. | The message is entered into the Message Text textbox. The Message Contents dialog closes. | |  | |  |
|  | In the Weather Messages dialog, select [Submit Message]. | The Weather Messages – Tone Playback window opens. | |  | |  |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback window. | * The Weather Messages – Tone Playbackwindow closes * A Weather Messages window opens stating that the message was successfully submitted. | |  | |  |
|  | Click the [OK] button to acknowledge the Weather Messages window. | * The Weather Messageswindow closes * The submitted message displays in the Broadcast Cycle dialog within the current playlist | |  | |  |
|  | Monitor the Broadcast Cycle dialog until the submitted message audio plays at least two times. | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0263 |
| Expected Result:   * The Broadcast Cycle dialog shows that the submitted interrupt message is part of the Suite Category: Interrupt playlist. * The submitted interrupt playlist message plays the three (3) long Start SAME tones and the 10-second Alert Tone the first time the message plays. * Once the message audio has completed playing over the headset or speaker, it is followed by three (3) short End SAME tones the first time the message plays. * Once the interrupt message audio has completed playing over the headset or speaker, the current playlist picks up where it left off, incorporating/replacing the ZFP product into the playlist. * No SAME or Alert tones play on subsequent broadcasts of the message. | | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  | |  |
|  | Tone Test 4 – SAME Tone only:  In the Weather Messages dialog set the following:   * Message Name: WxMsgToneTest4 * Message Type [Change…]: <message type identified in **Step 876**>   + E.g., xxxZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <**current time + 15 minutes**> * Defaults   + Alert: <not checked>   + Interrupt: <checked>   + Confirm: <not checked> * Status: Active * [Area Selection…]: **Remove all areas. Then add the TT1 transmitter** * SAME Transmitters: TT1 * [Contents] | | |  | | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 BMH0142 BMH0143 |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is Weather Message Tone Test 4 with Interrupt checked and SAME tones selected but no Alert tone.”*   Then click [OK]. | The message is entered into the Message Text textbox. The Message Contents dialog closes. | |  | |  |
|  | In the Weather Messages dialog, select [Submit Message]. | The Weather Messages – Tone Playback window opens. | |  | |  |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback window. | * The Weather Messages – Tone Playback window closes * A Weather Messages window opens stating that the message was successfully submitted. | |  | |  |
|  | Click the [OK] button to acknowledge the Weather Messages window. | * The Weather Messages window closes * The submitted message displays in the Broadcast Cycle dialog within the current playlist | |  | |  |
|  | Monitor the messages until the submitted message audio plays at least two times. | | |  | | BMH0102 BMH0103 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0223 |
| Expected Result:   * The Broadcast Cycle dialog shows that the submitted interrupt message is part of the Suite Category: Interrupt playlist. * The submitted interrupt playlist message only plays only the three (3) long start SAME tones the first time the message plays. * No Alert tone plays. * Once the message audio has completed playing over the headset or speaker, it is followed by three (3) short end SAME tones the first time the message plays. * Once the interrupt message audio has completed playing over the headset or speaker, the current playlist picks up where it left off, incorporating/replacing the ZFP product into the playlist. * No SAME play on subsequent broadcasts of the message. | | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  | |  |
|  | In a terminal window pointed to the BMH server, using any desired text editor such as vim, open and review the:  /awips2/bmh/logs/dactransmit-TT1-message-activity-YYYYMMDD.log   * Search for WxMsgToneTest1   + Verify the message found does not contain any mention of SAME or Alert tones. | | |  |  | |
| Expected Result:  The log contains an entry similar to the following example for the tones associated with WxMsgToneTest1:  *2015-04-23 22:03:13,943: [BROADCAST] Message DacPlaylistMessage [id=1316, afosid=OMAZFPSUT, name=WxMsgToneTest1] has been broadcast (Message Expires: Thu Apr 23 22:16:00 GMT 2015).* | | |
|  | In a terminal window pointed to the BMH server, using any desired text editor such as vim, open and review the:  /awips2/bmh/logs/dactransmit-TT1-message-activity-YYYYMMDD.log   * Search for WxMsgToneTest2   + Verify the message found mentions the Alert tone but does not contain any mention of SAME tones. | | |  |  | |
| Expected Result:  The log contains an entry similar to the following example for the tones associated with WxMsgToneTest2:  *2015-04-23 22:14:10,566: [TONE] ALERT Tones were broadcast for Message DacPlaylistMessage [id=1359, afosid=OMAZFPSUT, name=WxMsgToneTest2] (Message Expires: Thu Apr 23 22:25:00 GMT 2015).* | | |
|  | In a terminal window pointed to the BMH server, using any desired text editor such as vim, open and review the:  /awips2/bmh/logs/dactransmit-TT1-message-activity-YYYYMMDD.log   * Search for WxMsgToneTest3   + Verify the message found mentions both the SAME and Alert tones. | | |  |  | |
| Expected Result:  The log contains an entry similar to the following example for the tones associated with WxMsgToneTest3:  *2015-04-23 22:20:25,704: [SAME\_TONE] SAME Tones were broadcast for Message DacPlaylistMessage [id=1317, afosid=OMAZFPSUT, name=WxMsgToneTest3] (SAME Encoding: ZCZC-WXR-ZFP-031729-031001+0030-1132218-KOAX/NWS-) (Message Expires: Thu Apr 23 22:35:00 GMT 2015).*  *2015-04-23 22:20:25,704: [TONE] ALERT Tones were broadcast for Message DacPlaylistMessage [id=1317, afosid=OMAZFPSUT, name=WxMsgToneTest3] (Message Expires: Thu Apr 23 22:35:00 GMT 2015).*  *2015-04-23 22:20:36,944: [TONE] END Tones were broadcast for Message DacPlaylistMessage [id=1317, afosid=OMAZFPSUT, name=WxMsgToneTest3] (Message Expires: Thu Apr 23 22:35:00 GMT 2015).* | | |
|  | In a terminal window pointed to the BMH server, using any desired text editor such as vim, open and review the:  /awips2/bmh/logs/dactransmit-TT1-message-activity-YYYYMMDD.log   * Search for WxMsgToneTest4   + Verify the message found mentions the SAME tones but does not contain any mention of the Alert tone. | | |  |  | |
| Expected Result:  The log contains an entry similar to the following example for the tones associated with WxMsgToneTest4:  *2015-04-23 22:42:56,664: [SAME\_TONE] SAME Tones were broadcast for Message DacPlaylistMessage [id=1360, afosid=OMAZFPSUT, name=WxMsgToneTest4] (SAME Encoding: ZCZC-WXR-ZFP-031729-031001+0030-1132241-KOAX/NWS-) (Message Expires: Thu Apr 23 22:57:00 GMT 2015).*  *2015-04-23 22:43:08,550: [TONE] END Tones were broadcast for Message DacPlaylistMessage [id=1360, afosid=OMAZFPSUT, name=WxMsgToneTest4] (Message Expires: Thu Apr 23 22:57:00 GMT 2015).* | | |
| * + - 1. Tone Blackouts   This section demonstrates the ability to processing of Tone Blackouts: | | | | | | |
|  | On the Broadcast Cycle dialog, select the BAS transmitter. Then select the [Monitor In-line] checkbox to activate the playback of the message playlist. | Messages are broadcast over the headset or speaker. | |  | BMH0102 BMH0103 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
|  | In the BMH Menu dialog, click Programs->Broadcast Programs. Then select the Bassett Program from the Program dropdown menu.   * If the Severe Weather suite is listed in the Suites in Program section, and the OMATORBAS Message type is set as a Trigger Message, close the Broadcast Program Configuration dialog and move on to Step 912. * If the Severe Weather suite is not listed in the Suites in Program section, select [Add Existing…]. Select the Severe Weather – Bassett suite and click [Add]. Then click the [Close] button. | The Severe Weather suite is assigned to the BAS transmitter. | |  | BMH0102 BMH0103 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
|  | In the BMH Menu dialog, click Messages 🡪 Message Types… select Message Type OMATORBAS. Click [Edit…] to verify the Message Type has:   * Enable Tone Blackout Period: <not selected> * SAME Originator: WXR * SAME Transmitters: BAS | | |  | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  Message Type: \_\_\_\_\_\_\_\_\_\_ | | |
|  | Open a terminal and using a text editor such as vim, open file:  *OMATORBAS.V0267\_887\_09020904\_NBO*  and locate the header line:  \_aT\_ENGOMATORBAS**14080902091408090209** CD IANEC009c**1411222359**  The date/time format: YYMMDDHHMM  The date fields are identified by the highlight and text color.  Modify the No Blackout (NBO) sample message to match the chosen Message Type and settings provided below:   * **Create Date/Time**: <current time> * **Effective Date/Time**: <current time> * **Expiration Date/Time**: <current time + 10 minutes>   Save the file. | | |  | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  The sample message is updated. | | |
|  | No Blackout:  In the terminal window, on the BMH server, copy the No Blackout message type into:  /awips2/bmh/data/nwr/ready  Then monitor the playback of the message. | * The SAME and Alert tones play when the message is broadcast for the first time * Subsequent plays of the message do not include the SAME and Alert tones. | |  | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
|  | Allow the NBO message to expire. | The NBO message expires and is no longer being broadcast. | |  |  | |
|  | In the terminal, use a text editor such as vim to open file:  *OMATORBAS.V0267\_887\_09020904\_WBO*  and locate the header line:  \_aT\_ENGOMATORBAS**14080902091408090209** CD IANEC009c**1411222359**  The date/time format: YYMMDDHHMM  The date fields are identified by the highlight and text color.  Modify the With Blackout (WBO) sample message to match the chosen Message Type and settings provided below:   * **Create Date/Time**: <current time> * **Effective Date/Time**: <current time> * **Expiration Date/Time**: <current time + 20 minutes>   Save the file. | | |  | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  The sample message is updated. | | |
|  | With Blackout – During Blackout Period:  In the Edit Message Type dialog, set the following parameters for the message type identified in **Step 912**:   * Alert: <check> * Interrupt: <check> * SAME Originator: WXR * Enable Tone Blackout Period: <check> * Black Out Start: <current hour> . <current minute> * Black Out End: <current hour> . <current minute +10 minutes> * [Save] | | |  | BMH0027 BMH0028 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  The Edit Message Type dialog closes. | | |
|  | In the terminal window, on the BMH server, copy the No Blackout message type into:  /awips2/bmh/data/nwr/ready  Then monitor the playback of the message. | Verify that the following:   * The message is broadcast without SAME and Alert tones. The SAME and Alert tones do not play during the set blackout period * SAME and Alert tones play the first time after the blackout period expires * SAME and Alert tones do not play on subsequent plays of the message. | |  | BMH0027 BMH0028 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
|  | Allow the WBO message to expire. | The WBO message expires and is no longer being broadcast. | |  |  | |
|  | With Blackout – Future Blackout Period:  In the BMH Menu dialog, click Messages 🡪 Message Types… Then select Message Type OMATORBAS. Click [Edit…]. Modify the Message Type in the Edit Message Type dialog by setting the following parameters:   * Alert: <check> * Interrupt: <check> * SAME Originator: WXR * Enable Tone Blackout Period: <check> * Black Out Start: <current hour> . <current minute + 5 minutes> * Black Out End: <current hour> . <current minute + 15 minutes> * [Save] | | |  | BMH0027 BMH0028 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  The Edit Message Type dialog closes. | | |
|  | In a terminal and using a text editor such as vim, open the file listed below:  *OMATORBAS.V0267\_887\_09020904\_WBO*  and locate the header line:  \_aT\_ENGOMATORBAS**14080902091408090209** CD IANEC009c**1411222359**  The date/time format: YYMMDDHHMM  The date fields are identified by the highlight and text color.  Modify the With Blackout (WBO) sample message as provided below:   * Create Date/Time: <current time> * Effective Date/Time: <current time +10 minutes> * Expiration Date/Time: <current time + 30 minutes>   Save the file. | | |  | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  The sample message is updated. | | |
|  | In the terminal window, on the BMH server, copy the With Blackout message type into:  /awips2/bmh/data/nwr/ready  Then monitor the playback of the message. | Verify that the following:   * The message does not immediately play after the message is ingested. * The message begins playing after reaching the Effective Date/Time. * The message is broadcast during the blackout period, but no SAME or Alert tones play. * SAME and Alert tones play the first time after the blackout period expires. * SAME and Alert tones do not play on subsequent plays of the message. | |  | BMH0027 BMH0028 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0134 BMH0135 BMH0136 BMH0137 BMH0138 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
|  | Close the Message Type Manager dialog. | The Message Type Manager dialog closes. | |  |  | |
| * + - 1. Transfer Tones   This section demonstrates the ability to processing of Transfer Tones: | | | | | | |
|  | **Transfer Tones Standalone:**  On the Broadcast Cycle dialog, select the TT1 transmitter. | Messages are broadcast over the headset or speaker. Note: The ‘Off the Air” message may play if there are no active messages in the playlist. | |  | BMH0102 BMH0103 BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
|  | On the BMH menu, select  Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  | BMH0234 | |
|  | On the Transmitter Configuration dialog:   * MB3 click on the TT1 transmitter * In the popup menu, select Transmitter Status 🡪 Disable Transmitter | The Confirm DISABLED dialog opens. | |  | BMH0234 | |
|  | Click [Yes] in the Confirm DISABLED dialog. | The Confirm DISABLED dialog closes.  The ‘Off the Air” message plays. | |  |  | |
|  | MB3 click on transmitter TT1 in the Trannsmitter Configuration dialog and select Transmitter Mode->SECONDARY. | A Confirm SECONDARY dialog opens. | |  | BMH0234 | |
|  | Click [Yes] to acknowledge the Confirm SECONDARYdialog. | | |  | BMH0234 | |
| Expected Result:   * The Confirm SECONDARYdialog closes * A Progress dialog opens      * Tones (low to high) are played during the transfer of modes. | | |
|  | Upon completion of the Progress dialog, the Transfer Tone Result dialog opens showing success or failure. | The Transfer Tone was successfully processed. | |  | BMH0234 | |
|  | Click [OK] to acknowledge the Transfer Tone Result dialog. | The Transfer Tone Result dialog closes. | |  | BMH0234 | |
|  | MB3 click on transmitter TT1 in the Transmitter Configuration dialog and select Transmitter Mode->PRIMARY. | A Confirm PRIMARY dialog opens. | |  | BMH0234 | |
|  | Click [Yes] to acknowledge the Confirm PRIMARYdialog. | | |  | BMH0234 | |
| Expected Result:   * The Confirm PRIMARYdialog closes * A Progress dialog opens      * Tones (high to low) are played during the transfer of modes. | | |
|  | Upon completion of the Progress dialog, the Transfer Tone Result dialog opens showing success or failure. | The Transfer Tone was successfully processed. | |  | BMH0234 | |
|  | Click [OK] to acknowledge the Transfer Tone Result dialog. | The Transfer Tone Result dialog closes. | |  | BMH0234 | |
|  | In the terminal windows logged onto the BMH servers (px1 and px2), use any desired text editor (such as vim) to open the file:  /awips2/bmh/logs/dactransmit-maintenance-<xmtr>-<yyyymmdd>.log | | |  | BMH0234 | |
| Expected Result:  The file opens. | | |
|  | Search the file on both servers for entries indicating data was transmitted over the dac. The entry should be similar to the following:  *INFO 2014-12-02 20:27:54,137 [MaintenanceBroadcastTransmitThread] BroadcastTransmitThread: Received 52 duplicate messages in last 5046 ms for message: A total of 21ms elapsed between the transmission of the current packet and the previous packet.) and that the process exited successfully (e.g., no errors followed the message)* | | |  |  | |
|  | **Transfer Tones Groups:**  In the Transmitter Configuration dialog, MB3 click within the dialog and select New Group… | The New Transmitter Group dialog opens. | |  | BMH0075 BMH0179 BMH0180 BMH0238 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0228 BMH0239 BMH0240 BMH0241 | |
|  | Enter the following settings in the New Transmitter Group dialog:   * Group Name: TSTGRP * DAC: dac1 * Program: TT1 Program * Time Zone: UNIVERSAL COORDINATED TIME * Languages: [Add…]   + Select Language: ENGLISH   + Select Voice: Paul   + Click [OK] * Languages: [Add…]   + Select Language: SPANISH   + Select Voice: Violeta   + Click [OK] * [Save] | | |  | BMH0075 BMH0179 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0229 BMH0230 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  The New Transmitter dialog closes.  The new group is created and is listed in the Transmitter Configuration dialog. | | |
|  | MB3 click on the TT1 transmitter in the Transmitter Configuration dialog and select [Edit Transmitter…]. | The Edit Transmitter dialog opens | |  | BMH0075 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | In the Edit Transmitter dialog, select the TSTGRP group under the Group Name dropdown menu. Then click [Save]. | * The Edit Transmitter dialog closes. * The Transmitter Configuration dialog updates to show TT1 is assigned to the TSTGRP group. | |  | BMH0075 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | MB3 click on TT4 in the Transmitter Configuration dialog and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  | BMH0075 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | In the Edit Transmitter dialog, select the TSTGRP group under the Group Name dropdown menu. Then click [Save]. | * The Edit Transmitter dialog closes. * The Transmitter Configuration dialog updates to show TT4 is assigned to the TSTGRP group. | |  | BMH0075 BMH0180 BMH0205 BMH0206 BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT1 transmitter and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  | BMH0234 | |
|  | In the Edit Transmitter dialog, assign an available Port #. Then click [Save]. | TT1 is assigned an available Port #. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT4 transmitter and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  | BMH0234 | |
|  | In the Edit Transmitter dialog, assign the same Port # assigned to TT1. Then click [Save]. | A Daisy Chained window appears. | |  |  | |
|  | Click [Yes] to acknowledge the Daisy Chained window. | An Invalid window opens informing that a FIPS Code is required for transmitters on the same dac and port. | |  |  | |
|  | Click [OK] to acknowledge the Invalid window. | The Invalid window closes. | |  |  | |
|  | In the Edit Transmitter dialog, enter:  031155  for the TT4 transmitter. (Note: This code is assigned to Saunders County NE.) Then click [Save]. | An Update – TT1 dialog opens informing that TT1 now requires a FIPS Code. | |  | TT4 is assigned an available Port #. | |
|  | In the Update – TT1 dialog, enter:  031153  (Note: This code is assigned to Sarpy County NE.) Then click [OK]. | The Update – TT1 dialog closes.  A Daisy Chained window opens informing that the selected port is already in use by another transmitter. | |  |  | |
|  | Click [Yes] to acknowledge the Daisy Chained window. | The Daisy Chained window closes.  The Edit Transmitter dialog closes.  In the Transmitter Configuration dialog, both transmitters under the TSTGRP group are assisned to the same port. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT1 transmitter and select Transfer Mode->SECONDARY Mode. | | |  | BMH0234 | |
| Expected Result:  The Confirm SECONDARY dialog opens. | | |
|  | Click [Yes] to acknowledge the Confirm SECONDARY dialog. | | |  | BMH0234 | |
| Expected Result:   * The Confirm SECONDARY dialog closes * A Progress Information dialog opens      * SAME tones are played during the transfer of modes | | |
|  | Upon completion of the test, verify the closing SAME tones play. Also verify the Progress Information dialog closes and the Transfer Tone Result dialog opens showing success or failure. | The closing SAME tones play.  The Progress Information dialog closes.  The Transfer Tone Result window opens with the message that the Transfer Tone was successfully processed. | |  | BMH0234 | |
|  | Click [OK] to acknowledge the Transfer Tone Result dialog | The Transfer Tone Result dialog closes. | |  | BMH0234 | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT1 transmitter and select Transfer Mode->PRIMARY Mode. | | |  | BMH0234 | |
| Expected Result:  The Confirm PRIMARY dialog opens. | | |
|  | Click [Yes] to acknowledge the Confirm PRIMARY dialog. | | |  | BMH0234 | |
| Expected Result:   * The Confirm PRIMARY dialog closes * A Progress Information dialog opens      * SAME tones are played during the transfer of modes | | |
|  | Upon completion of the test, verify the closing SAME tones play. Also verify the Progress Information dialog closes and the Transfer Tone Result dialog opens showing success or failure. | The closing SAME tones play.  The Progress Information dialog closes.  The Transfer Tone Result window opens with the message that the Transfer Tone was successfully processed. | |  | BMH0234 | |
|  | Click [OK] to acknowledge the Transfer Tone Result dialog | The Transfer Tone Result dialog closes. | |  | BMH0234 | |
|  | In the terminal windows logged onto the BMH servers (px1 and px2), use any desired text editor (such as vim) to open the file:  /awips2/bmh/logs/dactransmit-maintenance-<xmtr>-<yyyymmdd>.log | | |  | BMH0234 | |
| Expected Result:  The file opens. | | |
|  | Search the file for entries indicating data was transmitted over the dac. The entry should be similar to the following:  *INFO 2014-12-02 20:27:54,137 [MaintenanceBroadcastTransmitThread] BroadcastTransmitThread: Received 52 duplicate messages in last 5046 ms for message: A total of 21ms elapsed between the transmission of the current packet and the previous packet.) and that the process exited successfully (e.g., no errors followed the message)* | | |  |  | |
|  | MB3 click on the TT4 transmitter in the Transmitter Configuration dialog and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select Group Name: Standalone, set the DAC Port # to None, and remove the FIPS Code. Then click [Save]. | The TT4 transmitter becomes a Standalone transmitter without an assigned DAC Port #. | |  |  | |
|  | MB3 click on the TT1 transmitter in the Transmitter Configuration dialog and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select Group Name: Standalone. Remove the FIPS Code. Then click [Save]. | The TT1 transmitter becomes a Standalone transmitter assigned with a DAC Port #. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
| * + - 1. Max Counties Listening Areas Test   This section demonstrates the ability to support the maximum of counties for a listening area: | | | | | | |
|  | On the BMH menu, select  Transmitters 🡪 Transmitter Configuration… | Transmitter Configuration dialog opens | |  |  | |
|  | Check if transmitter TT1 (TxTest) exists in the Transmitter Configuration dialog | TxTest exists | |  |  | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Listening Area 🡪 Listening Areas… | The Listening Areas dialog opens | |  |  | |
|  | In the Listening Areas dialog, verify that NEC001 exists | TxTest exists | |  |  | |
|  | In the Listening Areas dialog, select NEC001 and click [Edit Area…] | The Edit Area dialog opens | |  |  | |
|  | In the Edit Area dialog, verify the following parameters are set:   * Enter the Area Code: NEC001 * Enter the Area Name: AA3\_Area * Add transmitter TT1 * [Cancel] | * AA3\_Area is listed in the Listening Areas dialog’s Current Listening Areas field * Transmitters TT1 is assigned to AA3\_Area * The New Area dialog closes | |  | BMH0205 BMH0206 BMH0218 BMH0219 BMH0223 | |
|  | Count the number of existing counties listed in the Listening Areas dialog Current Listening Areas field | Total Number of Counties: \_\_\_\_ | |  | BMH0223 | |
|  | Click on each county listed in the Listening Areas dialog Current Listening Areas field and count how many counties have TT1 assigned to them. | Number of Counties with TT1 assigned: \_\_\_\_ | |  | BMH0029 | |
|  | If the NWS County Codes for your current localization are not available, this information can be accessed at:  ***alerts.weather.gov*** |  | |  | BMH0223 | |
|  | More Than 31 Counties:  If TT1 has more than 31 counties assigned, select a county with TT1 assigned in the Listening Areas dialog and click [Edit Area…]  In the Edit Area dialog:   * Select TT1 under the Selected Transmitters field and remove it by using the single left [<] arrow button. * [Save] * Repeat until the number of counties having TT1 assigned is reduced to 31. | * Proceed to next step if this doesn’t apply * The Edit Area dialog opens * TT1 is removed from the selected county. * TT1 has been assigned to 31 counties | |  | BMH0029 BMH0223 | |
|  | Less Than 31 Counties:  If TT1 has fewer than 31 counties assigned, select a county with TT1 assigned in the Listening Areas dialog and click [Edit Area…]  In the Edit Area dialog:   * Select TT1 under the Available Transmitters field and add it by using the single right [>] arrow button. * [Save] * Repeat until the number of counties having TT1 assigned reaches 31. | * Proceed to next step if this doesn’t apply * The Edit Area dialog opens * TT1 is added to the selected county. * TT1 has been assigned to 31 counties | |  | BMH0029 BMH0223 | |
|  | Close the Listening Areas dialog. | The Listening Areas dialog closes. | |  |  | |
|  | Select Messages 🡪 Weather Messages… to open the Weather Messages dialog. | The Weather Messages dialog opens. | |  |  | |
|  | Set the following parameters in the Weather Messages dialog:   * Message Name: AATMaxCounty31 * Message Type [Change]: OMATORxxx * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alert: <select>   + Confirm: <deselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0011 BMH0023 BMH0024 BMH0026 BMH0027 BMH0032 BMH0033 BMH0034 BMH0035 BMH0099 BMH0100 BMH0223 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This test checks for the maximum number of 31 counties allowed for a listening area.”* | Note the contents of the message to ensure the message can be recognized when it plays. | |  | BMH0029 BMH0099 BMH0100 BMH0223 | |
|  | In the Message Contents dialog, select [OK]. | * The Message Contents dialog closes | |  | BMH0099 BMH0100 BMH0223 | |
|  | With the Monitor In-line checkbox checked on the Broadcast Cycle dialog, select the [Submit Message] button in the Weather Messages dialog. | A Weather Messages – Tone Playback dialog opens. | |  | BMH0026 BMH0099 BMH0100 BMH0223 BMH0263 | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | The Weather Messages – Tone Playback dialog closes. The Weather Message acknowledgment dialog opens. | |  | BMH0082 BMH0083 BMH0223 BMH0263 | |
|  | Click [OK] to acknowledge the Weather Message dialog. | The Weather Message dialog closes. | |  | BMH0142 BMH0143 BMH0223 | |
|  | Monitor the Broadcast Cycle dialog and the broadcast stream. | * The submitted message is listed in the Broadcast Cycle dialog * The SAME and Alert tones play * The submitted warning is broadcast | |  | BMH0029 BMH0223 | |
|  | Review and verify that the following error is NOT contained in the AlertViz Message dialog:  hh:mm PM (1) | GDN\_ADMIN | BMH: PLAYLIST\_MANAGER\_ERROR: BMH – Cannot add area to SAME tone, same tone will not include all areas  Too many areas were provided(31>=31) | | |  | BMH0029 BMH0223 | |
| Expected Result:  No error is contained in the AlertViz dialog. | | |
|  | In the BMH Menu dialog, select Transmitters 🡪 Listening Area 🡪 Listening Areas… | The Listening Areas dialog opens. | |  |  | |
|  | Click the [Edit Areas…] button. | The Edit Area dialog opens. | |  | BMH0223 | |
|  | In the Edit Area dialog, perform the following to add one more county to the TT1 transmitter listening area:   * Highlight/select a county in the Listening Areas dialog that does not have TT1 assigned and click [Edit] * In the Available Transmitter field, locate and highlight the TT1 transmitter * Click the single arrow [>] to move the transmitter to the Selected Transmitters field * [Save] | * The Edit Area dialog closes. * TT1 has been assigned to 32 counties. | |  | BMH0029 BMH0223 | |
|  | Verify that TT1 has been assigned to 32 counties assigned. | 32 counties are assigned to transmitter TT1. | |  | BMH0029 BMH0223 | |
|  | Close the Listening Areas dialog. | The Listening Areas dialog closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Set the following parameters in the Weather Messages dialog:   * Message Name: AATMaxCounty * Message Type [Change]: OMATORxxx * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alert: <select>   + Confirm: <deselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0011 BMH0023 BMH0024 BMH0026 BMH0027 BMH0029 BMH0032 BMH0033 BMH0034 BMH0035 BMH0099 BMH0100 BMH0223 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | Enter the following into the Message Contents dialog:   * *“This test checks for having more than 32 counties assigned for a listening area.”* | Note the contents of the message to ensure the message can be recognized when it plays. | |  | BMH0099 BMH0100 BMH0223 | |
|  | In the Message Contents dialog, select [OK]. | The Message Contents dialog closes | |  | BMH0099 BMH0100 BMH0223 | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Messages – Tone Playback dialog opens | |  | BMH0026 BMH0099 BMH0100 BMH0223 BMH0263 | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | The Weather Messages – Tone Playback dialog closes. The Weather Messages window opens. | |  | BMH0082 BMH0083 BMH0223 BMH0263 | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  | BMH0142 BMH0143 BMH0223 | |
|  | Monitor the Broadcast Cycle dialog and the broadcast stream | * The submitted message is listed in the Broadcast Cycle dialog * The SAME and Alert tones play * The submitted warning is broadcast | |  | BMH0029 BMH0223 | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
|  | Review and verify the AlertViz Message dialog contains an error similar to the following:  hh:mm PM (1) | GDN\_ADMIN | BMH: PLAYLIST\_MANAGER\_ERROR: BMH – Cannot add area to SAME tone, same tone will not include all areas  Too many areas were provided(31>=31) | | |  | BMH0029 BMH0223 | |
| Expected Result:  The error is contained in the AlertViz dialog | | |
|  | In two terminal windows SSH into the BMH servers px1 and px2. Using any desired text editor such as vim, open the file:  /awips2/edex/logs/edex-bmh-yyyymmdd.log | | |  | BMH0029 BMH0196 BMH0197 BMH0198 BMH0199 BMH0200 BMH0201 BMH0223 | |
| Expected Result:  An error message similar to the following show be contained in the file describing that too many areas (exceeding 31) were provided:  *INFO 2015-01-15 23:35:19,812 [Camel (camel) thread #3 - vm://edex.alertVizNotification] JmsPooledConnection: EDEX - Creating connection: com.raytheon.uf.common.jms.JmsPooledConnection@3053d07a*  *ERROR 2015-01-15 23:35:19,815 [BMH.Schedule-1] PlaylistManager: PLAYLIST\_MANAGER\_ERROR: BMH - Cannot add area to SAME tone, same tone will not include all areas.*  *java.lang.IllegalStateException: Too many areas were provided(31 >= 31)*  *at com.raytheon.uf.common.bmh.same.SAMEToneTextBuilder.addArea(SAMEToneTextBuilder.java:181) ~[com.raytheon.uf.common.bmh.jar:na]*  *at com.raytheon.uf.common.bmh.same.SAMEToneTextBuilder.addAreaFromUGC(SAMEToneTextBuilder.java:240) ~[com.raytheon.uf.common.bmh.jar:na]* | | |
|  | In the terminal do the following:   * view the contents of the xml file: /awips2/bmh/data/playlist/<transmitter>/messages/<id>.xml * The contents of the file should be similar to that provided below * The <messageText> should contain the text for the submitted message * <SAMEtone> lists the max number of 31 counties that were assigned to the transmitter:   <?xml version="1.0" encoding="UTF-8" standalone="yes"?>  <bmhMessage broadcastId="4672">  <name>TSTMaxCounty</name>  <messageType>FSDWSWUNR</messageType>  <soundFile>/awips2/bmh/data/audio/150116/FSDWSWUNR\_ENG\_Paul\_4672\_003540.ulaw</soundFile>  <start>2015-01-15T23:24:28.578Z</start>  <expire>2015-01-15T00:50:28.578Z</expire>  <messageText>TEST...TEST...TEST. This is the second test to demonstrate that B.M.H. will truncate the number of listening areas to 31. End Test</messageText>  **<SAMEtone>ZCZC-WXR-WSW-031091-031183-031015-031017-046007-031019-031071-031031-046123-031111-031113-008115-031135-031063-031089-031175-031085-031115-031069-031117-031005-031041-031171-031047-031009-031049-031029-031101-046121-031149-031163+-2215-0152324-KOAX/NWS-</SAMEtone>**  <alertTone>true</alertTone>  <toneBlackoutEnabled>false</toneBlackoutEnabled> | | |  | BMH0029 BMH0223 | |
| Expected Result:  The xml file shows the truncated list of 31 counties. | | |
| * + 1. VOICE Record and Playback   This section demonstrates the Voice Record and Playback functionality. | | | | | | |
|  | On the BMH Menu, select Transmitters 🡪 Listening Area 🡪 Listening Areas… | The Listening Areas dialog opens | |  | BMH0031 | |
|  | In the Listening Areas dialog, select NEC001 and click [Edit Area...] | The Edit Area dialog opens | |  |  | |
|  | Verify the following parameters for the NEC001 area:   * Enter the Area Code: NEC001 * Enter the Area Name: AA3\_Area * TT1 and TT2 are assigned (if TT2 is not assigned, please do so.] * [Save] | * Parameters are set as expected * The New Area dialog closes | |  | BMH0223 | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Listening Area 🡪 Listening Zones… | The Listening Zones dialog opens | |  | BMH0223 | |
|  | In the Listening Zones dialog, select [Edit Zone...] | The Edit Zone dialog opens | |  | BMH0223 | |
|  | In the Edit Zone dialog, enter the following:   * Enter the Zone Code: NEZ001 * Enter the Area Name: AA1\_Zone * Click >> to move all Available Listening Areas to Selected Areas * [Save] | * The New Zone dialog closes   In the Listening Zones dialog:   * AA1\_Zone is listed in the Current Listening Zones field * All the Listening Areas are listed in the Assigned to Zone field | |  | BMH0223 | |
|  | Click Messages 🡪 Message Types… and when the Message Type Manager opens, select a message type OMAZFPxxx thenclick [Edit…] | The Edit Message Type dialog opens with the selected message type loaded. | |  |  | |
|  | In the Edit Message Type dialog, set or verify the following parameters::   * Message Type: OMAZFPxxx * SAME Originator: WXR * Enable Tone Blackout Period: <not selected> * Alert Tone: <not selected> * SAME Transmitters: TT1 | | |  | BMH0121 BMH0122 BMH0123 BMH0124 BMH0125 BMH0126 BMH0132 BMH0133 BMH0140 BMH0141 BMH0172 BMH0173 BMH0174 BMH0175 BMH0223 | |
| Expected Result:  The Message Types Manager dialog opens.  Message Type: \_\_\_\_\_\_\_\_\_\_ | | |
|  | Close the Edit Message Type dialog | Dialog closes | |  |  | |
|  | Close the Message Type Manager dialog. | Dialog closes. | |  |  | |
|  | On the BMH dialog, click Messages 🡪 Weather Messages… and set the following parameters:   * Message Name: VoiceRecordTest * Message Type [Change]: <same as **Step 1013**> * [Area Selection] | | |  | BMH0223 | |
| Expected Result:  Area Selection dialogs displays | | |
|  | In the Area Selection dialog:   * Select the Zones tab * Select AA1\_Zone (NEZ001) * Click the [ > ] to move the zone to the Selected Zones/Areas/Transmitters field * Click [OK] | * The selections are displayed in the Selected Zones/Areas Transmitter field in the dialog * The dialog closes | |  | BMH0140 BMH0141 BMH0223 | |
|  | In the Weather Messages dialog, click Contents. | The Message Contents dialog opens | |  | BMH0077 BMH0139 BMH0140 BMH0144 BMH0145 BMH0223 | |
|  | In the Message Contents dialog, click on [Rec] | A Record Audio acknowledgment dialog opens informing the user existing text and audio files will be removed. | |  |  | |
|  | Acknowledge the Record Audio popup dialog | * Record Audio dialog closes * Message Record/Playback dialog opens with banner instruction to press record to start recording | |  |  | |
|  | In the Message Record/Playback dialog, click on [Rec] | * Message Record/Playback dialog opens with banner “Recording…” * The dialog shows decibel levels and duration of the recording | |  |  | |
|  | Using the microphone, record an audio message. When the recording is complete, click [Stop] | The message is recorded | |  | BMH0077 BMH0139 BMH0140 BMH0144 BMH0145 BMH0223 | |
|  | In the Message Record/Playback dialog, click [Play] to review the recording. | The recording is played over the headset or speaker | |  |  | |
|  | * If not satisfied, repeat **Steps 1021– 1023**.   If satisfied with the recording, click [OK]. | | |  | BMH0077 BMH0139 BMH0140 BMH0144 BMH0145 BMH0223 | |
| Expected Result:   * The Message Record/Playback dialog closes. * The Message Contents dialog opens showing by whom and when the message was recorded in the Message Text field. * The Audio field shows the User Recording bar. | | |
|  | In the Message Contents dialog, click [ > ] in the Audio field to play and review the recorded message. | The recording is played over the headset or speaker | |  |  | |
|  | In the Message Contents dialog, click [OK]. | The Message Contents dialog closes | |  |  | |
|  | In the Weather Messages dialog, click [Submit Message]. | * A Weather Messages Tone Playback acknowledgment popup dialog opens requesting confirmation for the issuance of tones. * A Message Submitted acknowledgment dialog opens | |  | BMH0077 BMH0142 BMH0143 BMH0223 BMH0263 | |
|  | Acknowledge the Weather Messages Tone Playback dialog and the Weather Message Submitted popup dialog | The dialogs close | |  | BMH0142 BMH0143 BMH0223 | |
|  | Monitor the Broadcast Cycle dialog. | The submitted message displays in the Broadcast Cycle dialog. | |  |  | |
|  | Monitor the Broadcast Cycle dialog until the submitted message audio plays at least two times. | | |  | BMH0077 BMH0102 BMH0103 BMH0139 BMH0223 | |
| Expected Result:   * The message only plays the three (3) long start SAME tones and not the 10-second Alert Tone the first time the message plays. * Once the message audio has completed playing over the headset or speaker, it is followed by three (3) short end SAME tones the first time the message plays. * No SAME or Alert tones play on subsequent broadcasts of the message. | | |
|  | In the Listening Areas dialog, select the NEC001 row then select [Delete Area] and click [OK] in the confirmation dialog. | NEC001 is no longer listed in the Listening Areas dialog. | |  | BMH0223 | |
|  | In the Listening Zone dialog, select the NEZ001 row then select [Delete Zone] and click [OK] in the confirmation dialog. | NEZ001 is no longer listed in the Listening Zones dialog. | |  | BMH0223 | |
|  | Close the Listening Areas dialog. | Dialog closes. | |  |  | |
|  | Close the Listening Zones dialog. | Dialog closes. | |  |  | |
|  | Close the Message Type Manager dialog. | Dialog closes. | |  |  | |
|  | Close the Weather Messages dialog. | Dialog closes. | |  |  | |
| * + 1. StationID and Time Message Preamble and Postamble Test   This section demonstrates the dialogs and GUIs associated with managing the Voice Configuration dialogs: | | | | | | |
|  | In the BMH Menu dialog, selectTransmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens | |  |  | |
|  | **EDIT TRANSMITTER – ENGLISH Language Preamble/Postamble Text:** | | |  | BMH0118 BMH0119 BMH0120 | |
| Right-click MB3 on transmitter TT1 and select Edit Transmitter… | Edit Transmitter dialog opens. | |
|  | In the Edit Transmitter dialog’s Languages field, select ENGLISH and click [Edit…] | * Edit Languages dialog opens. * Language field: ENGLISH   + Field is uneditable | |  | BMH0118 BMH0119 BMH0120 | |
|  | In the Edit Languages dialog copy/enter the text provided below into the designated fields:   * Station Id: <enter the following text>   *“This text will demonstrate the StationID preamble.”*   * Time Preamble: <enter the following text>   *“When in the Course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another.”*   * Time Postamble: <enter the following text>   *“Mankind requires that they should declare the causes which impel them to the separation.”*   * [Save] * Return to Edit Transmitter dialog.   + [Save] | | |  | BMH0022 BMH0118 BMH0119 BMH0120 | |
| Expected Result:  You are returned to the Transmitter Configuration dialog. | | |
|  | **EDIT TRANSMITTER – SPANISH Language Preamble/Postamble Text:** | | |  | BMH0118 BMH0119 BMH0120 | |
| Right-click MB3 on transmitter TT1 and select Edit Transmitter… | Edit Transmitter dialog opens. | |
|  | In the Edit Transmitter dialog’s Languages field, select SPANISH and click [Edit…] | * Edit Languages dialog opens. * Language field: SPANISH   + Field is uneditable | |  | BMH0118 BMH0119 BMH0120 | |
|  | In the Edit Languages dialog copy the text provided below into the designated fields.:   * Station Id: <enter the following text>   + *“Esta es una prueba para la identificación de la estación.”* * Time Preamble: <enter the following text>   + *“En su momento, será util que la Comisión Jurídica y Técnica se reúna de manera separada.”* * Time Postamble: <enter the following text>   + *“Pero si la próxima tarea va a ser los trabajos preliminares para la preparación de reglamentos, mi delegación también considera que esos trabajos deben ser abiertos, que no debe haber ninguna confidencia en la preparación de esos reglamentos.”* * If entering entering Spanish text and you need to insert special Spanish characters such as such as: é, í, ñ, proceed to **Step 1044**. * [Save] * Return to Edit Transmitter dialog.   + [Save] | | |  | BMH0022 BMH0118 BMH0119 BMH0120 | |
| Expected Result:  You are returned to the Transmitter Configuration dialog. Once all the Spanish text has been entered, proceed to **Step 1046**. | | |
|  | On the Linux platform, open a browser session and navigate to the following website:  <http://fsymbols.com/keyboard/linux/compose>  Follow the instructions on this page to setup the keyboard compose for the test workstation. | | |  |  | |
| Expected Result:  This is a preparatory step prior to modifying the contents of the test message. | | |
|  | Locate and replace each Spanish-accented character letter per the instructions provided in the worksheet. | After the text is updated in the text fields, return to **Step 1043**. | |  |  | |
|  | Select Message 🡪 Message Types… to open the Message Type Manager dialog and verify the TIMESPNSH message type exists. Create it per **Step** Error! Reference source not found. if it doesn’t exist. | The TIMESPNSH message type exists. | |  | BMH0118 BMH0119 BMH0120 | |
|  | Close the Message Type Manager dialog. | Dialog closes. | |  |  | |
|  | In the Transmitter Configuration dialog select transmitter TT1 and MB3 right-click [Edit Transmitter…] | The Edit Transmitter dialog opens | |  |  | |
|  | In the Edit Transmitter dialog, set Program to TT1 Program, then click [Save] | The update is saved | |  |  | |
|  | In the Transmitter Configuration dialog, verify that TT1 has a DAC and Port #ID assigned and that it is enabled.  If not, assign a DAC and Port #ID to the transmitter and enable it. | Transmitter TT1 has a DAC and Port # assigned and the transmitter is enabled. | |  |  | |
|  | Close the Transmitter Configuration dialog. | Dialog closes. | |  |  | |
|  | Select Messages 🡪 Suite Manager… | The Suite Manager dialog opens. | |  |  | |
|  | In the Suite Manager dialog, select the TT1 General suite and click [Edit…].  Verify the following message types are assigned to the suite:   * TIME * TIMESPNSH * STATIONID * STNIDSPAN   If not assigned, edit the suite and assign them and save the updates. | The message types are assigned. | |  |  | |
|  | Close the Edit Suite dialog. | Dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT1 transmitter and then check the Monitor In-line checkbox.  Monitor the playing of messages | The messages are played over the headset or speaker | |  | BMH0118 BMH0119 BMH0120 | |
|  | Continue monitoring the Broadcast Cycle dialog. Verify the following messages are listed and playback with the appropriate preamble and postamble message statements. | The messages are listed in the Broadcast Cycle dialog  The messages contain the expected preamble and Postamble statements. | |  | BMH0118 BMH0119 BMH0120 | |
|  | In the Broadcast Cycle dialog, select transmitter TT1 and continue monitor the Broadcast Cycle dialog until the English Time message plays. When it plays verify the message only provides the time as follows:   * Hour (am or pm) * Minutes * No seconds are provided * Local time zone | The English broadcast time is broadcast as expected. | |  | BMH0018 BMH0019 BMH0020 BMH0021 BMH0192 BMH0193 BMH0194 BMH0195 BMH0263 | |
|  | In the Broadcast Cycle dialog, select transmitter TT1 and continue monitor the Broadcast Cycle dialog until the Spanish Time message plays. When it plays verify the message only provides the time as follows:   * Hour (am or pm) * Minutes * No seconds are provided * Local time zone | The Spanish broadcast time is broadcast as expected. | |  | BMH0018 BMH0019 BMH0020 BMH0021 BMH0192 BMH0193 BMH0194 BMH0195 BMH0263 | |
|  | Compare the time that is broadcast to CAVE time displayed in the lower right corner of the D2D session. | The local time is consistent with the system time (allowing for the UCT to local time conversion) | |  | BMH0018 BMH0019 BMH0020 BMH0021 BMH0192 BMH0193 BMH0194 BMH0195 | |
|  | Compare the time that is broadcast to CAVE time displayed in the lower right corner of the D2D session. | The local time is consistent with the system time (allowing for the UCT to local time conversion) | |  | BMH0018 BMH0019 BMH0020 BMH0021 BMH0192 BMH0193 BMH0194 BMH0195 | |
|  | Close the Message Type Manager dialog. | Dialog closes. | |  |  | |
| * + 1. Spanish Voice Selection and Message Playback   This section demonstrates the Voice Record and Playback functionality. | | | | | | |
|  | Open Message Type Manager by selecting:  Messages 🡪 Message Types… | The Message Type Manager dialog opens | |  |  | |
|  | In the Message Type Manager dialog, select [New...] | The Create Message Type dialog opens | |  |  | |
|  | In the Create Message Type dialog, enter the following:   * Message Type: AT2SVSBAS * Title: Test\_SvrStmt\_Sp\_Msg * Voice: Violeta * [Create] | * The Create Message Type dialog closes * The AT2SVSBAS test message is listed in the Message Type Manager dialog | |  | BMH0111 BMH0113 BMH0114 BMH0119 | |
|  | Close the Message Type Manager dialog. | Dialog closes. | |  |  | |
|  | On the BMH Menu, click Messages 🡪 Suite Manager… to open the Suite Manager dialog | The Suite Manager dialog opens | |  |  | |
|  | In the Suite Manager dialog, select one of the active transmitters (as listed in the BMH Menu dialog) then click [Edit...] | The Edit Suite dialog opens with the selected Suite Name grayed out | |  |  | |
|  | In the Edit Suite dialog, set the following:   * Suite Category: GENERAL * Add AT2SVSBAS Message Type from the Available Message Types list * [Save] | The change is saved and the Edit Suite dialog closes | |  | BMH0111 BMH0113 BMH0119 | |
|  | In the Suite Manager dialog, to ensure the previously selected transmitter is still selected, click on the  button and view the message types associated with the transmitter’s GENERAL suite. | | |  | BMH0111 BMH0113 BMH0119 | |
| Expected Result:  The Suite Information dialog opens:   * Suite Name: <grayed out> * Suite Category: The new category <grayed out> * Program Name: <assigned program> * Associated Message Types: The AT2SVSBAS message type is listed. |  | |
|  | Close the Suite Information dialog | Dialog closes. | |  |  | |
|  | Close the Suite Manager dialog | Dialog closes. | |  |  | |
|  | Select Maintenance 🡪 Manage Dictionaries to open the Dictionary Manager dialog. | The Dictionary Manager dialog opens | |  |  | |
|  | In the Dictionary Manager dialog, click on the [Select a Dictionary] dropdown menu check to see if VioletaSpanDict is listed. | * If the dictionary is listed, proceed to **Step 1077**. * If the dictionary is **NOT** listed, proceed to **Step 1074**. to import the dictionary | |  | BMH0111 BMH0113 BMH0114 BMH0119 | |
|  | On the BMH Menu, select Maintenance 🡪 Import BMH Dictionary... | The Import BMH Dictionary browser displays | |  |  | |
|  | Navigate to the location containing copies of the BMH Dictionaries and select the VioletaSpanDict.xml dictionary and click [OK] | * The Import BMH Dictionary browser closes * The selected dictionary is now displayed in the Dictionary Manager dialog Dictionary dropdown menu. | |  | BMH0111 BMH0113 BMH0119 | |
|  | Select Maintenance 🡪 Voice Configuration… | The TTS Voice Configuration dialog opens | |  |  | |
|  | Select Violeta in the Voices list of the TTS Voice Configuration dialog. | Violeta is selected. | |  | BMH0113 BMH0114 BMH0115 BMH0119 | |
|  | Note whether the Dictionary field is empty or filled. | * If the Dictionary field is empty, proceed to next step. * After selecting VioletaSpanDict in the Dictionary field, proceed to **Step 1084**. | |  | BMH0111 BMH0113 BMH0114 BMH0115 BMH0119 | |
|  | If the Dictionary Field is empty Click [Change…] next to the Dictionary field | | |  | BMH0111 BMH0113 BMH0114 BMH0115 BMH0119 | |
| Expected Result:   * The Select Dictionary dialog opens. * If the Dictionary field is empty, the [OK] is disabled * If the Dictionary field is filled in, the [OK] button is enabled. | | |
|  | Highlight “VioletaSpanDict” dictionary in the Select Dictionary dialog and click [OK]. | * The Select Dictionary dialog closes * VioletaSpanDict is listed in the Dictionary field of the TTS Voice Configuration dialog | |  | BMH0111 BMH0113 BMH0114 BMH0115 BMH0119 | |
|  | Click [Save] in the TTS Voice Configuration dialog’s Attributes section | The Dictionary change is saved and the dialog closes. | |  | BMH0113 BMH0114 BMH0115 | |
|  | Close the Voice Configuration dialog | Dialog closes. | |  |  | |
|  | Close the Dictionary Manager dialog | Dialog closes. | |  |  | |
|  | Select Messages 🡪 Weather Messages to open the Weather Messages dialog. | The Weather Messages dialog opens | |  |  | |
|  | Click [OK] button in the New Weather Message advisory popup. | The New Weather Message advisory popup closes | |  |  | |
|  | In the Weather Messages dialog set the following parameters:   * Message Name: WxMsg\_ImportAudioFile * Message Type [Change]: AT2SVSBAS * Creation Date/Time: <no change use default setting> * Effective Date/Time: < no change use default setting > * Expiration Date/Time: <current time + 15 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * SAME Transmitters: <do not select> * [Contents] | | |  | BMH0113 BMH0114 BMH0119 | |
| Expected Result:  Message Contents dialog opens | | |
|  | In the Message Contents dialog’s audio field (lower half of dialog), click [Import] | An Import Audio advisory popup opens requesting acknowledgment. | |  | BMH0113 BMH0114 BMH0119 | |
|  | Acknowledge the advisory popup. | The popup closes and a browser displays pointing to your home directory. | |  |  | |
|  | Navigate to the location where you have placed your test files and locate the file named:  Spanish\_s001\_(16bPCM).wav  Click [OK] | Due to the size of the file, a Audio Truncation Required confirmation popup will display | |  | BMH0105 BMH0106 BMH0107 BMH0108BMH0113 BMH0114 BMH0119 | |
| Note: The file being imported is 35min long. The BMH system will truncate this to 5min. |
|  | Acknowledge the confirmation popup | * The popup closes. * The Message Contents dialog opens * The Text field shows the import of the audio file * The Audio field shows the User Import tag with an audio bar. | |  | BMH0113 BMH0114 BMH0119 | |
|  | In the Message Contents dialog, click [>] in the Audio field | The message is played over the headset or speaker. | |  |  | |
| Note: There is a slight delay before the audio starts. This is part of the recording and is NOT a problem with the system. | |
|  | In the Message Contents dialog, click [OK] | The Message Contents dialog closes and you are returned to the Weather Messages dialog | |  |  | |
|  | In the Weather Messages dialog, click [Area Selection…] | The Area Selection dialog opens | |  |  | |
|  | In the Transmitter tab of the Area Selection dialog, select the transmitter you are using for this teset and, if not already assigned to the Zones/Areas/Transmitters field, add it to the Selected Zones/Areas/Transmitters field. Then click [OK]. | * The transmitter is added * The Area Selection dialog closes * The Weather Messages dialog opens | |  | BMH0113 BMH0114 BMH0119 | |
|  | * Click [Submit Message] in the Weather Messages dialog. * Acknowledge all advisory or confirmation popups * Monitor the Broadcast Cycle dialog | * The submitted message displays in the Broadcast Cycle dialog. | |  | BMH0113 BMH0114 BMH0119 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog set the following parameters:   * Message Name: WxMsgTst * Message Type [Change]: AT2SVSBAS * Creation Date/Time: <no change use default setting> * Effective Date/Time: <no change use default setting > * Expiration Date/Time: <current time + 15 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * SAME Transmitters: <do not select> * [Contents] | | |  | BMH0113 BMH0114 BMH0119 | |
| Expected Result:  Message Contents dialog opens | | |
|  | In the Message Contents dialog’s text field (upper half of dialog), click [Import] | A browser displays pointing to your home directory | |  | BMH0113 BMH0114 BMH0119 | |
|  | Navigate to the location where you have placed your test files and locate the file named:  Msg\_2\_SvrStmt\_Spanish.txt  Click [OK] | The contents of the file are displayed in the Message Contents dialog | |  | BMH0113 BMH0114 BMH0119 | |
|  | In the Message Contents dialog, click [> Play] | The message is played over the headset or speaker. | |  |  | |
| Note: The English voice is the default voice used when testing a message. | |
|  | In the Message Contents dialog, click [OK] | The Message Contents dialog closes and you are returned to the Weather Messages dialog | |  |  | |
|  | In the Weather Messages dialog, click [Area Selection…] | The Area Selection dialog opens | |  |  | |
|  | In the Transmitter tab of the Area Selection dialog, select the transmitter that you are using for this test and add it to the Selected Zones/Areas/Transmitters field then click [OK]. | * The transmitter is added * The Area Selection dialog closes * The Weather Messages dialog opens | |  | BMH0113 BMH0114 BMH0119 | |
|  | In the Message Contents dialog, if entering entering Spanish text containing special Spanish-accented characters such as such as: é, í, ñ, proceed to **Step 1105**, otherwise, copy the sample Spanish text into the Message Contents dialog and proceed to **Step 1109**. |  | |  | BMH0113 BMH0114 BMH0119 | |
|  | On the Linux platform, open a browser session and navigate to the following website:  <http://fsymbols.com/keyboard/linux/compose>  Follow the instructions on this page to setup the keyboard compose for the test workstation. | | |  |  | |
| Expected Result:  This is a preparatory step prior to modifying the contents of the test message. | | |
|  | Reopen the contents of the imported message text by selecting [Contents] in the Weather Messages dialog. | The contents of the Spanish test message are displayed. | |  |  | |
|  | Updated the text in the Message Contents dialog, locating and replacing all special Spanish-accented character letters per the instructions provided in the worksheet. |  | |  |  | |
|  | * Click [Submit Message] in the Weather Messages dialog. * Acknowledge all confirmation popups * Monitor the Broadcast Cycle dialog | The submitted message displays in the Broadcast Cycle dialog, proceed to Step 1109. | |  |  | |
|  | Monitor the messages until the submitted message audio plays | | |  | BMH0111 BMH0113 BMH0119 | |
| Expected Result:   * The message audio is played, using the selected Spanish voice, over the headset or speaker | | |
|  | Close the Message Type Manager, Message Suite Manager, and Dictionary Manager dialogs. | The Message Type Manager, Message Suite Manager, and Dictionary Manager dialogs close. | |  |  | |
| * + 1. Two-Minute Message Duration Limit Test   This section demonstrates the 2-minute message duration limit imposed on SAME messages. | | | | | | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Create New SAME Message - Less than or equal to 2-minutes long:  In the Weather Messages dialog, set the following parameters:   * Message Name: WxMsg\_Under2Minutes * Message Type [Change]: OMATORxxx * Creation Date/Time: <No change> * Effective Date/Time: <No change> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alerts: <select>   + Confirm: <deselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0129 BMH0130 BMH0131 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | Enter the following into the Message Contents dialog:   * *“This tests a SAME message containing a message length of less than 2-minutes.”* * Click [OK] | Note the contents of the message to ensure the message can be recognized when it plays. | |  |  | |
|  | With the TT1 transmitter selected and the Montior In-line checkbox selected in the Broadcast Cycle dialog, click the [Submit Message] button in the Weather Messages dialog. | The Weather Messages – Tone Playback dialog opens. | |  |  | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | The Weather Messages – Tone Playback dialog closes. The Weather Message window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Message window. | The Weather Message window closes. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | The submitted message IS listed in the Broadcast Cycle dialog’s playlist. | |  | BMH0102 BMH0103 BMH0236 | |
|  | Start a timer after the start SAME tones and Alert tone stop playing. Then stop the timer when the end SAME tones start. | The message played in full before the tones sounded.  The message was less than or equal to two minutes in duration. | |  | BMH0129 BMH0130 BMH0131 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Create New SAME Message - Greater than 2-minutes long:  In the Weather Messages dialog set the following parameters:   * Message Name: WxMsg\_Over2Min * Message Type [Change]: OMATORxxx * Creation Date/Time: <No change> * Effective Date/Time: <No change> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alerts: <select>   + Confirm: <deselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0129 BMH0130 BMH0131 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | Enter the following into the Message Contents dialog:   * *“This tests a SAME message containing a message length greater than 2-minutes.”* * Add text from **Section 6.1.11.1**. Duplicating the text should exceed the two minute minimum. | Note the contents of the message to ensure the message can be recognized when it plays. | |  |  | |
|  | Prior to saving the message, perform a timing test to determine the length of the message:   * Start a timer once you click [> Play]. * Stop the timer upon message completion. * Note the message duration time. * Ensure the message surpasses 2 minutes. Add additional text if the message is less than 2 minutes. | | |  |  | |
| Expected Result:  Message duration: \_\_\_\_\_\_\_\_\_\_ | | |
|  | In the Message Contents dialog, click [OK]. | The message is saved. The Message Contents dialog closes. | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Messages – Tone Playback dialog opens. | |  |  | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | The Weather Messages – Tone Playback dialog closes. The Weather Message window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Message window. | The Weather Message window closes. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | The submitted message IS listed in the Broadcast Cycle dialog’s playlist. | |  | BMH0077 BMH0263 | |
|  | Start a timer after the start SAME tones and Alert tone stop playing. Then stop the timer when the end SAME tones start. | * The message is truncated (stops broadcasting) when it reaches 2-minutes.   + Message duration: \_\_\_\_\_\_\_ | |  | BMH0129 BMH0130 BMH0131 | |
|  | Verify an AlertViz message appears stating that the SAME Area limit has been reached. E.g.,   * *Failed to add all areas to the SAME Message. The following areas cannot be added because the SAME Area limit has been reached: NEC063, NEC089, NEC115, NEC069, NEC085.* | The AlertViz message appears stating that the SAME Area limit has been reached. | |  | BMH0129 BMH0130 BMH0131 | |
|  | Acknowledge the AlertViz message. | The AlertViz dialog closes. | |  |  | |
|  | Close the Weather Messages dialog. | The Weather Messgaes dialog closes. | |  |  | |
| * 1. Broadcast Modes   This section demonstrates the Operational and Practice Modes functionality. | | | | | | |
| * + 1. Operational Mode   This section demonstrates Operational Mode operations. | | | | | | |
| * + - 1. Message Transmission   This section demonstrates Operational Mode message transmissions: | | | | | | |
|  | Prior to starting this section, verify with the System Administrator how many DACs are being used. | Number of DACs in use: \_\_\_\_\_ | |  |  | |
|  | * On the BMH menu bar, select Transmitter 🡪 Transmitter Configuration…      * Compare the contents and status displayed in the Transmitter Configuration dialog to the BMH Menu dialog. * Note the DACs/Ports assigned to all transmitters on the Transmitter Configuration dialog | | |  |  | |
| Expected Result:   * The Transmitter Configuration dialog opens * DACs/Ports assigned to all transmitters:   + **SiteID DAC Ports**   \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ | | |
|  | On the BMH menu bar, select Maintenance 🡪 DAC Configuration | | |  |  | |
| Expected Result:  There should be a DAC for each server in the edex-bmh cluster. This number should be the same as noted at Step 1132. |  | |
|  | Close the DAC Configuration dialog | The dialog closes | |  |  | |
|  | Select an enabled transmitter and MB3 right-click 🡪 Edit Transmitter… | The Edit Transmitter dialog opens | |  | BMH0099 BMH0100 | |
|  | In the Edit Transmitter dialog, set the DAC and DAC Port # attributes to “None”. Then click [Save] | An advisory popup should open warning that you cannot remove an assigned dac/port from an enabled transmitter. | |  | BMH0099 BMH0100 | |
|  | Acknowledge the advisory popup. | You are returned to the Edit Transmitter dialog | |  |  | |
|  | Close the Edit Transmitter dialog | Dialog closes | |  |  | |
|  | In the Transmitter Configuration dialog, select the same enabled transmitter that was previously selected and MB3 right-click 🡪 Edit Transmitter… | The Edit Transmitter dialog opens | |  | BMH0099 BMH0100 | |
|  | In the Transmitter Configuration dialog, select the same transmitter and MB3 🡪 Transmitter Status 🡪 Disable Transmitter | A Confirm Disable dialog opens requesting acknowledgment of the disable action. | |  | BMH0099 BMH0100 | |
|  | Acknowledge the Confirm Disable dialog. | The Transmitter is disabled | |  |  | |
|  | In the Transmitter Configuration dialog, select the same enabled transmitter that was previously selected and MB3 right-click 🡪 Edit Transmitter… | The Edit Transmitter dialog opens | |  | BMH0099 BMH0100 | |
|  | In the Edit Transmitter dialog, set the DAC and DAC Port # attributes to “None”. Then click [Save] | The update is saved and the Edit Transmitter dialog closes  The Transmitter Configuration dialog shows the updated state of the updated transmitter. | |  | BMH0099 BMH0100 | |
|  | In the Transmitter Configuration dialog, select a different disabled transmitter and MB3 🡪 Edit Transmitter | The Edit Transmitter dialog opens | |  | BMH0099 BMH0100 | |
|  | In the Edit Transmitter dialog, set the DAC and DAC Port # attributes to a selection that is not in use.   * Assign it the dac and port that was previously used by the transmitter modified at **Step 1144**. * Click [Save] | * The Transmitter Configuration dialog reflects the DAC changes * The Transmitter is still disabled | |  | BMH0099 BMH0100 | |
|  | Select the same transmitter and MB3 🡪 Transmitter Status 🡪 Enable Transmitter | A Confirm Enable dialog opens requesting acknowledgment of the enable action. | |  | BMH0099 BMH0100 | |
|  | Acknowledge the Confirm Enable dialog. | The Transmitter is enabled | |  |  | |
|  | Close the Transmitter Configuration dialog | Dialog closes. | |  |  | |
|  | If the Broadcast Cycle dialog is not open, on the BMH dialog, click Transmitters 🡪 Broadcast Cycle… | The Broadcast Programs Cycle dialog opens. | |  |  | |
|  | Select a transmitter group. | Transmitter Group:\_\_\_\_\_\_\_ | |  |  | |
|  | On the Broadcast Programs Cycle dialog, check the Monitor In-line checkbox. | The messages are played over the headset or speaker. | |  | BMH0102 BMH0103 BMH0236 | |
|  | On the BMH dialog, click Messages 🡪 Weather Messages… | The Weather Messages dialog opens. | |  |  | |
|  | Message Test – Expired Message:  In the Weather Messages dialog, select [Change…] (next to the Message Type field).  Select a message from the Input Messages field then click [OK] | The Select Message Type dialog opens | |  | BMH0011 BMH0032 BMH0043 | |
|  | Select Message Type dialog, select OMAWSWxxx then click [OK]. | The selected message is displayed in the Weather Message dialog. | |  |  | |
|  | Note and update the parameter settings in the Weather Messages dialog:   * Message Name: Expired Msg Test * Message Type [Change]: OMAWSWxxx * Creation Date/Time: <use current date/time> * Effective Date/Time: < set for 20min in the past > * Expiration Date/Time: <set for 15min in the past> * Defaults:   + Periodicity: 00.00.00.00   + Alerts: <select>   + Interrupts: <select>   + Confirm: <deselect> * Status: Active * SAME Transmitters: <deselect> * [Area Selection]: <select appropriate area/zones> * [Contents]: | | |  | BMH0011 BMH0023 BMH0024 BMH0026 BMH0027 BMH0032 BMH0033 BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 BMH0099 BMH0100 | |
| Expected Result:  Message Contents dialog opens | | |
|  | In the Message Contents dialog, enter a text message  *“This is a test of the submittal of an expired message.”*  then click [OK] | The Message Contents dialog closes and you are returned to the Weather Messages dialog | |  | BMH0102 BMH0103 | |
|  | Click [Submit Message] in the Weather Messages dialog. | | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
| Expected Result:  A Weather Messages – Expired advisory dialog opens informing that the message has expired and the expiration date/time needs to be updated.    No submittal of the message in its current state is allowed. | | |
|  | Message Test – Future Release:  Note and update the parameter settings in the Weather Messages dialog:   * Message Name: Non-Null Msg Test * Message Type [Change]: OMAWSWxxx * Creation Date/Time: <use current date/time> * Effective Date/Time: <current date/time + 5 minutes> * Expiration Date/Time: <set for 15min in the future> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alert: <select>   + Confirm: <select> * Status: Active * SAME Transmitters: <select all transmitters> * [Area Selection]: <select appropriate area/zones> * [Contents]: | | |  | BMH0011 BMH0023 BMH0024 BMH0026 BMH0027 BMH0032 BMH0033 BMH0034 BMH0035 BMH0099 BMH0100 | |
| Expected Result:  Message Contents dialog opens | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“Message Test-2 with non-null message content provided.”* * Add additional message content if desired. * Click [OK] | The message ensures the message can be recognized when it plays. | |  |  | |
|  | On the Broadcast Programs Cycle dialog, ensure that transmitter TT1 is selected and broadcasting. | The TT1 messages are played over the headset or speaker. | |  | BMH0102 BMH0103 BMH0236 | |
|  | Click [Submit Message] in the Weather Messages dialog. | Weather Messages – Tone Playback dialog opens. | |  |  | |
|  | Acknowledge the Weather Messages – Tone Playback dialog. | * The dialogs close * The submitted message displays in the Broadcast Cycle dialog | |  | BMH0082 BMH0083 BMH0263 | |
|  | Acknowledge the message submitted confirmation popup dialog | The dialog closes | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | | |  | BMH0011 BMH0023 BMH0032 BMH0099 BMH0100 BMH0102 BMH0103 BMH0236 | |
| Expected Result:   * Once the Effective Date/Time is reached, the SAME and Alert tones play * The submitted message is listed in the Broadcast Cycle dialog as an interrupt message * The message is broadcast. | | |
|  | Review the AlertViz Message Bar and verify that a confirmation message was received for the submitted message.  *InputMessage [id=xxxxx, name=<msg name>, afosid=<selected message type>]has been successfully broadcast on transmitter group [txm ID]* | | |  | BMH0023 BMH0026 | |
| Expected Result:  A confirmation entry was listed in the AlertViz bar. | | |
|  | Message Test – Transmitted Msg Not in Suite: | | |  | BMH0031 BMH0090 | |
| * Open Messages 🡪 Suite Manager…   + In the Suite Manager dialog     - Select TT1 General and click [Edit…]     - Note a message type from the TT1 General for your current transmitter     - With the Message Type selected, click [▼ Remove] to remove the message type from TT1 General.     - [Save] to save the changes   + Check the other suites used by TT1, TT1 High and TT1 Exclusive, and remove the message type if it exists.     - Save your changes and * Close the Suite Manager dialog | | |
| Expected Result:  Message Type: \_\_\_\_\_\_\_\_\_\_ | | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | * In the Weather Messages dialog, select [Change…] (next to the Message Type field). * Select the message type identified at **Step 1167**. * Click [OK] | The Select Message Type dialog opens.  Upon clicking [OK], Select Message Type dialog closes  The selected message type is displayed in the Weather Messages dialog. | |  |  | |
|  | Note and update the parameter settings in the Weather Messages dialog:   * Message Name: Tx Msg – Not in Suite * Message Type [Change]: <**Step 1167>** * Creation Date/Time: <use current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <set for 15min in the future> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alert: <select>   + Confirm: <select> * Status: Active * SAME Transmitters: <select> * [Area Selection]: <select appropriate area/zones> * [Contents]: | | |  |  | |
| Expected Result:  Message Contents dialog opens | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“Message Test-3: Interrupt Message Message Type Not In Suite.”* * Add additional message content if desired. * Click [OK] | The message ensures the message can be recognized when it plays. | |  |  | |
|  | On the Broadcast Programs Cycle dialog, ensure that transmitter TT1 is selected and broadcasting. | The TT1 messages are played over the headset or speaker. | |  | BMH0102 BMH0103 BMH0236 | |
|  | Click [Submit Message] in the Weather Messages dialog. | Weather Messages – Tone Playback dialog opens. | |  |  | |
|  | Acknowledge the Weather Messages – Tone Playback dialog. | * The dialogs close * The submitted message displays in the Broadcast Cycle dialog | |  | BMH0082 BMH0083 BMH0263 | |
|  | Acknowledge the message submitted confirmation popup dialog | The dialog closes | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | | |  | BMH0011 BMH0023 BMH0031 BMH0090 BMH0099 BMH0100 BMH0102 BMH0103 BMH0236 | |
| Expected Result:   * The Interrupt tones and Alerts play * The submitted message is listed in the Broadcast Cycle dialog * The message is broadcast. * The submitted message interrupts the current playlist and plays on the currently selected transmitter * An advisory message is provided to the user in the AlertViz Message Bar   *User requested to change to suite [suite ID /name] for transmitter group [txm ID]*   * A confirmation message is provided to the user in the AlertViz Message Bar for each transmitter on which the message was successfully broadcast the first time. * *InputMessage [id=xxxxx, name=<msg name>, afosid=<selected message type>]has been successfully broadcast on transmitter group [txm ID]* | | |
|  | Monitor the Broadcast Cycle dialog while selecting each of the active transmitters for which confirmation messages were received. | | |  | BMH0056 BMH0057 | |
| * Once the interrupt message completes its broadcast, the current playlist resumes broadcast where it left off * Since the message type was removed from all suites assigned to TT1, the message will not replay subsequent to the first play. * The submitted message is listed in the Broadcast Cycle dialog for a subsequent replay only for those transmitters for which the message type is still assigned. * The submitted message is not listed for any unassigned transmitter | | |
|  | Reselect the originally selected transmitter on the Broadcast Cycle dialog until the message should have replayed. | The message does not replay. | |  |  | |
|  | In the Broadcast Cycle dialog, select a transmitter and suite that was not affected by the TT1 Program suite changes for the advisory message received at Step 1176 and monitor until the message replays. | * The message is listed in the Broadcast Cycle dialog. * The message replays as expected. | |  |  | |
|  | * Open Messages 🡪 Suite Manager…   + In the Suite Manager dialog     - Select TT1 General and click [Edit…]     - The Edit Suite dialog opens       * In the Edit Suite dialog, locate the Message Type that was removed from the suite at **Step 1167**.       * With the Message Type selected, click [▲ Add] to add the message type back to the TT1 General suite.       * [Save] to save the changes     - Add the message type back to any other suites from which it was previously removed.       * Save your changes   + Close the Suite Manager dialog | | |  |  | |
| Expected Result:  Message Type was added back to suites. | | |
|  | **Message Test – Duplicate Message:** | | |  |  | |
| Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |
|  | In the Weather Messages dialog , modify the parameter settings as provided below::   * Message Name: DuplicateMsg Test * Message Type [Change]: OMAWCYxxx * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time > * Expiration Date/Time: <current date/time + 15 minutes> * Defaults:   + Periodicity: No change   + Alerts: <select>   + Interrupts: <select>   + Confirm: <deselect> * Status: Active * SAME Transmitters: <deselect> * [Area Selection]: <select appropriate area/zones> * [Contents]: | | |  | BMH0011 BMH0012 BMH0023 BMH0024 BMH0026 BMH0027 BMH0032 BMH0033 BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 BMH0054 BMH0055 BMH0062 BMH0099 BMH0100 | |
| Expected Result:  Message Contents dialog opens | | |
|  | In the Message Contents dialog, enter the following text:  *“This is a test of the submittal of a previously sent message to catch duplicate messages.”*  Click [OK] to save the message. | * The Message Contents dialog closes * You are returned to the Weather Messages dialog | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback acknowledgment dialog opens. | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
|  | Acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes. * The Weather Messages window opens | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | In the Broadcast Cycle dialog, monitor the messages until the submitted message plays twice. | | |  | BMH0062 BMH0063 BMH0102 BMH0103 BMH0109 | |
| Expected Result:   * The Alerts tone sounds only for the first play of the message * SAME tones do not sound * The message audio is broadcast over the headset or speaker * The message counter increments | | |
|  | First Resubmittal of Message:  In the Weather Messages dialog, without making any changes to the previously submitted message, click [Submit Message]. | An Edit Weather Message window opens stating that there were no changes to submit. | |  | BMH0011 BMH0012 BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
|  | Acknowledge the Edit Weather Message window. | * The Edit Weather Message window closes. * No Alert tones are played * The original message is still listed in the Broadcast Cycle dialog. * The message counter in the Broadcast Cycle dialog does not change. | |  | BMH0082 BMH0083 BMH0263 | |
|  | Monitor the Broadcast Cycle dialog until the message expires. | The message is no longer listed in the Broadcast Cycle dialog. | |  | BMH0062 BMH0063 BMH0263 | |
|  | Second Resubmittal of Message:  In the Weather Messages dialog, without making any changes to the previously submitted message, click [Submit Message]. | The Weather Messages – Expired window appears stating that the message has already expired and to update the expiration date/time. | |  | BMH0011 BMH0012 | |
|  | Click [OK] to acknowledge the Weather Messages – Expired window. | The Weather Messages – Expired window closes. The message is not submitted. | |  |  | |
|  | **Message Test – Submission of Expired Messages:** | | |  |  | |
| Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |
|  | Enter the following weather message parameter settings in the Weather Messages dialog to create a warning which will expire prior to being broadcast.   * Message Name: WxMsg – SubmitExpiredMsg * Message Type [Change]: OMAWCYxxx * Creation Date/Time: <use current date/time> * Effective Date/Time: <current date/time – 10 minutes> * Expiration Date/Time: <current date/time – 2minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <select>   + Alert: <select>   + Confirm: <select> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents]: | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | View the contents of the existing message text.  *“Message Test: This warning message expired prior to submitting message.”*  Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | The Weather Messages – Expired window appears stating that the message has already expired and to update the expiration date/time. | |  | BMH0011 BMH0012 | |
|  | Click [OK] to acknowledge the Weather Messages – Expired window. | The Weather Messages – Expired window closes. The message is not submitted. | |  |  | |
|  | Message Test – Warning Expired Prior to Broadcast:  Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Enter the following weather message parameter settings in the Weather Messages dialog to create a long-duration message to set up the next test.   * Message Name: WxMsg – LongDurationMsg * Message Type [Change]: OMAZFPxxx * Creation Date/Time: <use current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current date/time –1 hour> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <unselect>   + Alert: <unselect>   + Confirm: <unselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <unselect> * [Contents]: | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | View the contents of the existing message text.  *“Message Test: This message is a long duration message expected to last 5 minutes.”*  Copy this message approximately 50 times to create a message that lasts approximately 5 minutes.  Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | The Weather Messages window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. The message is submitted. | |  |  | |
|  | In the Weather Messages dialog, enter the following weather message parameter settings in the Weather Messages dialog to create a non-interrupt warning which will expire prior to being broadcast.   * Message Name: WxMsg – ExpiredPriorToBrdcst * Message Type [Change]: OMAWCYxxx * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <unselect>   + Alert: <select>   + Confirm: <unselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents]: | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | Update the contents of the existing message text:  *“Message Test: This warning message expired prior to broadcast.”*  Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, update the dates/times accordingly:   * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current date/time + 2minutes> | | |  |  | |
| Expected Result:  The dates and times are updated. | | |
|  | Wait until the long-duration ZFP product begins being broadcast. Then select the [Submit Message] button in the Weather Messages dialog. | A Weather Messages – Tone Playback acknowledgment dialog opens. | |  |  | |
|  | Acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes. * The Weather Messages window opens | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Monitor the broadcast. Once the long-duration product completes playing, verify an AlertViz message appears stating that the warning did not play as it has already expired. | An AlertViz message appears stating that the submitted warning product did not play as the warning message had expired. | |  | BMH0011 BMH0012 | |
|  | Acknowledge the AlertViz message. | The AlertViz dialog closes. | |  |  | |
| * + - 1. Broadcast Live… Operations   This section demonstrates Broadcast Live operations: | | | | | | |
| NOTE: Use of a microphone is required for this section. | | | | | | |
|  | In the BMH Menu dialog, select:  Messages 🡪 Broadcast Live... | | The Broadcast Live dialog opens |  | BMH0090 BMH0101 | |
|  | Without selecting a Transmitter Group, in the Broadcast Live dialog select [Transmit] | | |  | BMH0090 BMH0101 BMH0151 | |
| Expected Result:  A Broadcast Live – Transmitters dialog opens advising that no transmitters have been selected. | |  |
|  | Acknowledge the Broadcast Live – Transmitters dialog | The Broadcast Live – Transmitters dialog closes | |  | BMH0092 | |
|  | Live Broadcast – Single Transmitter: In the Broadcast Live dialog, select a Transmitter Group then click [Transmit] | | |  | BMH0087 BMH0088 BMH0092 BMH0151 | |
| Expected Result:  A Broadcast Live dialog opens advising that you are about to go live and requesting acknowledgment. | |  |
|  | Ensure the Monitor In-line checkbox is checked on the Broadcast Cycle dialog for the active transmitter. | The checkbox is checked | |  | BMH0026 BMH0099 BMH0100 BMH0102 BMH0103 | |
|  | Acknowledge the Broadcast Live dialog | The acknowledgment dialog closes | |  | BMH0026 BMH0099 BMH0100 BMH0102 BMH0103 | |
|  | Using the microphone, initiate the test broadcast message | * NO Tones, Alarms or Alerts are broadcast * The current message stream is interrupted * Message audio plays over the headset or speaker * Message Record/Playback dialog opens * The test broadcast message goes out over the current transmitter | |  | BMH0087 BMH0088 BMH0092 BMH0150 | |
|  | Monitor the Broadcast Cycle Dialog | The Broadcast Live message entry displays on the Broadcast Cycle dialog. | |  | BMH0087 BMH0088 BMH0093 | |
|  | Select each of the active transmitter groups and verify that the Live Broadcast message is displayed only for the previously selected transmitter. | The Live Broadcast message is only listed for the active transmitter that was previously selected. | |  |  | |
|  | Ensure the Monitor In-line checkbox is checked on the Broadcast Cycle dialog for the active transmitter. Continue monitoring the Live Broadcast feed. | The checkbox is checked and the current playlist is heard over the headset or speakers. | |  | BMH0026 BMH0099 BMH0100 BMH0102 BMH0103 | |
|  | After completion of the test broadcast message, click [Stop] in the Message Record/Playback dialog | * Message Record/Playback dialog closes * The test broadcast message ends. * Upon completion of the Live Broadcast, the regular playlist continues broadcasting | |  | BMH0089 | |
|  | Click the cloud  button on the BMH Menu | The Weather Messages dialog is displayed | |  |  | |
|  | Click [Edit] on the Weather Messages dialog and acknowledge the Edit Weather Message advisory popup | The Select Input Message dialog opens | |  |  | |
|  | To verify that the Broadcast Live message has not been recorded, in the Select Input Message dialog, verify the Broadcast Live message that was just broadcast is NOT listed in the dialog | The live message that was just broadcast is not available. | |  | BMH0091 | |
|  | Select [Cancel] on the Select Input Message dialog. | The Select Input dialog closes | |  |  | |
|  | Live Broadcast – Multiple Transmitter: In the Broadcast Live dialog, select all the active Transmitter Groups listed in the Broadcast Live dialog, then click [Transmit] | | |  | BMH0092 BMH0151 | |
| Expected Result:  A Broadcast Live dialog opens advising that you are about to go live and requesting acknowledgment. | |  |
|  | Ensure the Monitor In-line checkbox is checked on the Broadcast Cycle dialog for the active transmitter. | The checkbox is checked | |  | BMH0026 BMH0099 BMH0100 BMH0102 BMH0103 | |
|  | Acknowledge the Broadcast Live dialog | The acknowledgment dialog closes | |  |  | |
|  | Using the microphone, initiate the test broadcast message | * NO Tones, Alarms or Alerts are broadcast * The current message stream is interrupted * Message Record/Playback dialog opens * The test broadcast message goes out over the current transmitter | |  | BMH0087 BMH0088 BMH0092 BMH0150 | |
|  | Monitor the Broadcast Cycle Dialog | The Broadcast Live message entry displays on the Broadcast Cycle dialog. | |  |  | |
|  | Select each of the active transmitter groups and verify that the Live Broadcast message is displayed in the playlist field. | The Live Broadcast message is listed for all the active transmitters | |  |  | |
|  | Ensure the Monitor In-line checkbox is checked on the Broadcast Cycle dialog for the active transmitter. | The checkbox is checked | |  | BMH0026 BMH0099 BMH0100 BMH0102 BMH0103 | |
|  | After completion of the test broadcast message, click [Stop] in the Message Record/Playback dialog | * Message Record/Playback dialog closes * The test broadcast message ends. * Upon completion of the Emergency Override message the regular playlist continues broadcasting | |  | BMH0089 BMH0095 | |
|  | Click the cloud  button on the BMH Menu | The Weather Messages dialog is displayed | |  |  | |
|  | Click [Edit] on the Weather Messages dialog. | Edit Weather Message advisory popup displays | |  |  | |
|  | Acknowledge the Edit Weather Message advisory popup | The Select Input Message dialog opens | |  |  | |
|  | To verify that the Broadcast Live message has not been recorded, in the Select Input Message dialog, search for the Broadcast Live message that was just broadcast. | The live message that was just broadcast is not listed in the Select Input Message dialog. | |  | BMH0091 | |
|  | Select [Cancel] on the Select Input Message dialog. | The Select Input dialog closes | |  |  | |
|  | Close the Weather Messages dialog | Dialog closes. | |  |  | |
|  | Live Broadcast – Two Users : This section requires two users logged in to two separate workstations. The primary user is known as User1 and the secondary as User2.  User1 is assumed to already be logged in. | User1 is already logged on. | |  | BMH0087 BMH0088 | |
|  | User2 logs in to the workstations and starts CAVE and BMH.  AlertViz is assumed to have started automatically upon login. | AlertViz, CAVE and BMH are started | |  |  | |
|  | Both User1 and User2:  Select Messages 🡪 Broadcast Live… | The Broadcast Live dialog opens. | |  | BMH0087 BMH0088 | |
|  | Both User1 and User2 – Simultaneous Transmission  In the Broadcast Live dialog, select the active Transmitter Groups TT1 listed in the Broadcast Live dialog, then click [Transmit] | | |  | BMH0087 BMH0088 BMH0092 BMH0151 | |
| Expected Result:  A Broadcast Live dialog opens advising that you are about to go live and requesting acknowledgment. | |  |
|  | Both User1 and User2:  Ensure the Monitor In-line checkbox is checked on the Broadcast Cycle dialog for the active transmitter. | The checkbox is checked | |  | BMH0026 BMH0087 BMH0088 BMH0099 BMH0100 BMH0102 BMH0103 | |
|  | Both User1 and User2:  Acknowledge the dialog simultaneously. | | |  |  | |
| Expected Result:  Due to being unable to at exactly the same instant in time, one of the two users will receive an AlertViz message similar to the following:  *Failed to start live broadcast! REASON = One or multiple of the requested Transmitter Group(s) are already being used by broadcast streaming task 13DAF9D6-9102-AF5D-960A-C1684517B3A6.* | | |
|  | User1 or User2:  After completion of the test broadcast message, click [Stop] in the Message Record/Playback dialog | * Message Record/Playback dialog closes * The test broadcast message ends. * Upon completion of the Emergency Override message the regular playlist continues broadcasting | |  | BMH0089 | |
|  | Both User1 and User2:  Close the Broadcast Live dialog | Dialog closes. | |  |  | |
| * + - 1. Trigger Messages   This section demonstrates the trigger message functionality: | | | | | | |
|  | In the BMH Menu dialog, select Programs 🡪 Broadcast Programs… | The Broadcast Program Configuration dialog opens. | |  |  | |
|  | In the Broadcast Program Configuration dialog, find a program containing an EXCLUSIVE suite in the Suites in Program field. Note the transmitter associated with the program suite. | The program is selected.  Transmitter: \_\_\_\_\_\_ | |  | BMH0049 BMH0053 | |
|  | Select the EXCLUSIVE program suite. Then click [Edit…]. | The Edit Suite dialog opens. | |  | BMH0049 BMH0053 | |
|  | Select the ZFP Message Type (e.g., OMAZFPxxx) in the Available Message Types section. Then click the [Add] button. | The ZFP Message Type is added to the Selected Message Type section. | |  |  | |
|  | Click the [Set Triggers…] button. | The Trigger Selection dialog opens. | |  |  | |
|  | Locate the ZFP Message Type, (e.g., OMAZFPxxx) and click the checkbox next to that Message Type. Then click [OK]. | * The Trigger Selection dialog closes * Edit Suite dialog lists the selected Message Type as a Triggered Message | |  | BMH0049 BMH0053 | |
|  | Click [Save] in the Edit Suite dialog. | The trigger selection is saved. The Edit suite dialog closes. | |  | BMH0049 BMH0053 | |
|  | Close the Broadcast Program Configuration dialog. | The Broadcast Program dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, select the xxx transmitter that contains the program suite noted at **Step 1249**. | The xxx transmitter is selected. | |  |  | |
|  | In the Broadcast Cycle dialog, change suite to the xxx General suite if it is not already being broadcast. | The GENERAL suite is selected. The General playlist is broadcast. | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0074 | |
|  | In the BMH Menu dialog, select Messages 🡪 Weather Messages… to open the Weather Messages dialog. | The Weather Messages dialog opens. | |  |  | |
|  | In the Weather Messages dialog set the following parameters:   * Message Name: WxMsg\_Trigger\_Tst * Message Type [Change]: <select message type: OMAZFPxxx> * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current date/time + 5 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: < not checked >   + Alerts: < not checked >   + Confirm: < not checked > * [Area Selection]: Remove all areas. Then add the xxx transmitter * SAME Transmitters: <not checked> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog’s Message Text field, enter text message:  *“This tests the triggering message functionality.* | | |  | BMH0077 BMH0153 | |
| Expected Result:  The text message is entered into the Message Contents dialog. | | |
|  | In the Message Contents dialog, click [> Play]. | The entered text message is played over the headset or speaker. | |  | BMH0077 BMH0153 | |
|  | In the Message Contents dialog, click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Messages window opens. | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Monitor the Broadcast Cycle dialog | * Upon completion of the current message being broadcast, the submitted message broadcasts * The Broadcast Cycle dialog suite changes to the EXCLUSIVE suite * The submitted message displays in the Broadcast Cycle dialog * No alerts or SAME tones sound during plays of the message | |  | BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0074 | |
|  | Monitor the messages until the submitted message audio expires. | | |  | BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0074 | |
| Expected Result:   * The EXCLUSIVE suite playlist continues being broadcast until the submitted trigger message expires * After the trigger message expires, the suite changes back to the GENERAL suite and resumes broadcasting the GENERAL playlist * No alerts or SAME tones sound during plays of the message | | |
|  | In the BMH Menu dialog, select Programs 🡪 Broadcast Programs… | The Broadcast Program Configuration dialog opens. | |  |  | |
|  | In the Broadcast Program Configuration dialog, select the xxx Program noted at Step 1249. Select the EXCLUSIVE program suite. Then click [Edit…]. | The Edit Suite dialog opens. | |  | BMH0049 BMH0053 | |
|  | Click the [Set Triggers…] button. | The Trigger Selection dialog opens. | |  |  | |
|  | Locate the ZFP Message Type, (e.g., OMAZFPxxx) and uncheck the checkbox next to that Message Type. Then click [OK]. | * The Trigger Selection dialog closes * The Message Type is no longer set as a Triggered Message | |  | BMH0049 BMH0053 | |
|  | Click [Save] in the Edit Suite dialog. | The trigger selection is saved. The Edit suite dialog closes. | |  | BMH0049 BMH0053 | |
|  | Close the Broadcast Program Configuration dialog. | The Broadcast Program dialog closes. | |  |  | |
| * + - 1. Interrupt Message   This section demonstrates the interrupt message functionality: | | | | | | |
|  | Interrupt an Emergency Override Test:  In the BMH Menu dialog, select Messages 🡪 Message Types… In the Message Type Manager dialog, click [New…]. In the Create Message Type dialog, enter the following settings:   * Message Type: AAATSTWCH * Title: WatchMe * Emergency Override: <select> * Duration: 0.0.30.0 * Periodicity: 0.0.0.0 * Alert: <select> * Interrupt: <do not select> * Confirm: <do not select> * SAME Originator: WXR * Enable Tone Blackout Period: <do not select> * [Area Selection]: Add the TT1 transmitter * SAME Transmitters: TT1 * [Create]: | | |  | BMH0015 BMH0027 BMH0056 | |
| Expected Result:   * The AAATSTWCH Message Type is created. * The Create Message Type dialog closes. | | |
|  | Verify the new message type is listed in the Message Type Manager dialog. | The new AAATSTWCH Message Type is listed in the Message Type Manager dialog. | |  |  | |
|  | Close the Message Type Manager dialog. | The Message Type Manager dialog closes. | |  |  | |
|  | Select Programs 🡪 Broadcast Programs… | The Broadcast Program Configuration dialog opens. | |  |  | |
|  | In the Broadcast Program Configuration dialog, select TT1 Program. | The suites assigned to TT1 Program are listed. | |  |  | |
|  | Select suite TT1 General and click [Edit…]. | The Edit Suite dialog opens displaying the TT1 General contents. | |  |  | |
|  | In the Available Message Types field, select the AAATSTWCH Message Type. Then click [▲ Add] to add AAATSTWCH to the Selected Message Types field of the suite.  Click [Save]. | * The AAATSTWCH Message Type is added to the Selected Message Types field. * The update is saved. * The Edit Suite dialog closes. | |  | BMH0027 BMH0056 BMH0058 | |
|  | In the Broadcast Program Configuration dialog, with TT1 General selected, verify the AAATSTWCH Message Type is listed. | The AAATSTWCHMessage Type is listed in the Message Types in Suite field. | |  |  | |
|  | Close the Broadcast Program Configuration dialog. | The Broadcast Program Configuration dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT1 transmitter. Click the Monitor In-line box checkbox such that it is enabled, if necessary. | The Monitor In-line box checkboxis checked. The messages in the current playlist are broadcast. | |  |  | |
|  | In the BMH Menu dialog, select Messages 🡪 Weather Messages… | The Weather Messages dialog dialog opens. | |  |  | |
|  | In the Weather Messages dialog, set the following options:   * Message Name: Interrupt-EO Msg1 * Message Type[Change…]: OMASVRxxx * Interrupt: <select> * Alert: <select> * Confirm: <unchecked> * Status: Inactive * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 5 minutes> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter the following text:  *“This is the Interrupt Message 1: Interrupting EO transmission attempt.”*  Click [OK] to save the message. | * The text message is entered * The Message Contents dialog closes | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback acknowledgment dialog opens. | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes * The message is not added to the playlist and is not broadcast * A Weather Message window opens | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Interrupt Test: Click on the  button on the BMH Menu to start Emergency Override process. | The Emergency Override dialog opens. | |  | BMH0208 | |
|  | Set the following selections on the Emergency Override dialog:   * Emergency Message Types: AAATSTWCH * Alert: <uncheck> * Auto Schedule: <uncheck> * Duration: 0.5 * SAME Transmitter: TT1 * [Transmit] | | |  | BMH0079 BMH0081 BMH0208 BMH0233 | |
| Expected Result:  The Emergency Override – Tone Playback dialog opens. | | |
|  | Click [Yes] to acknowledge the Emergency Override – Tone Playback dialog. | | |  | BMH0146 BMH0147 BMH0148 BMH0149 | |
| Expected Result:   * The Emergency Override – Tone Playback dialog closes * The Message Record/Playback dialog opens displaying “Initializing…” * SAME start (three long) Tones sound * The Alert tone does not sound * The Recording Level for the message displays * While the Message Record/Playback dialog remains in the “Initializing…” state, the Elapse Time Counter remains at “0” seconds | | |
|  | While the Emergency Override message is being broadcast, in the Weather Messages dialog, set the Status to Active. Then click the [Submit Message] button. | The Emergency Override – Tone Playback dialog opens. | |  |  | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes * A Weather Message window opens * The message does not interrupt the live Emergency Override broadcast | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. The Emergency Override broadcast continues. | |  |  | |
|  | In the Message Record/Playback dialog, click the [Stop] button. | * The Message Record/Playback dialog closes * The 3 closing SAME tones play * The Emergency Override – Message Schedule dialog opens * Immediately after the closing SAME tones finish, the 3 starting SAME and Alert tones play for the submitted interrupt message * The Emergency Override message was not interrupted by the Interrupt message during the Emergency Override broadcast * The interrupt message is broadcast | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 BMH0062 BMH0063 BMH0102 BMH0103 BMH0109 | |
|  | Click [OK] in the Emergency Override – Message Schedule dialog. | The Emergency Override – Message Schedule dialog closes. | |  |  | |
|  | Monitor the Broadcast Cycle dialog until the submitted message plays twice. | No SAME or Alert tones play during subsequent plays | |  |  | |
|  | Allow the Interrupt-EO Msg1 message to expire. | The Interrupt-EO Msg1 message expires and is no longer broadcast. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following options:   * Message Name: Interrupt-EO Msg2 * Message Type[Change…]: OMATORxxx * Interrupt: <select> * Alert: <select> * Confirm: <unchecked> * Status: Inactive * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 5 minutes> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter the following text:  *“This is the message that will be used in an attempt to interrupt an interrupt message playing for the first time. This message should not interrupt the interrupt message in progress.”*  Click [OK] to save the message. | * The text message is entered * The Message Contents dialog closes | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback acknowledgment dialog opens. | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes * A Weather Message window opens * The message is not broadcast | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following options:   * Message Name: Interrupt-EO Msg3 * Message Type[Change…]: OMASVRxxx * Interrupt: <select> * Alert: <select> * Confirm: <unchecked> * Status: Active * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 5 minutes> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter the following text:  *“This is the base Message: This message will be used as the base message for another Interrupt message to be submitted during the playback of this message. Because this is an interrupt message, this interrupt message should not be interrupted by another interrupt message submitted during the playback of the base interrupt message. Please interrupt me if this interrupt message is confusing.”*  Copy and paste the above message 3 more times to extend the length of the message to be able to complete the next steps.  Click [OK] to save the message. | * The text message is entered * The Message Contents dialog closes | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback acknowledgment dialog opens. | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes * A Weather Message window opens * The message interrupts the current playlist and is broadcast * The 3 starting SAME and Alert tones play for the submitted interrupt message | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Immediately, click the [Edit…] button in the Weather Messages dialog. | The Select Input Message dialog opens. | |  |  | |
|  | In the Select Input Message dialog, select the OMATORxxx product that was created in an Inactive state. Then click [OK]. | The Select Input Message dialog closes. The settings for the OMATORxxx message display in the Weather Messages dialog. | |  |  | |
|  | Set the Status to Active. Then click [Submit Message]. | The Emergency Override – Tone Playback dialog opens. | |  |  | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes * A Weather Message window opens * The message does not interrupt the Interrupt message currently being broadcast | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. The Interrupt-EO Msg3 continues to broadcast. | |  |  | |
|  | Once the Interrupt-EO Msg3 message finishes playing, verify the Interrupt-EO Msg2 interrupt message is broadcast. | * The 3 closing SAME tones play for the Interrupt-EO Msg3 message * Immediately after the closing SAME tones finish, the 3 starting SAME and Alert tones play for the Interrupt-EO Msg2 interrupt message * The first interrupt message was not interrupted by the second interrupt message * The second interrupt message is broadcast | |  |  | |
|  | Monitor the Broadcast Cycle dialog until the submitted message plays twice. | No SAME or Alert tones play during subsequent plays. | |  |  | |
|  | Allow the Interrupt-EO Msg2 and Interrupt-EO Msg3 messages to expire. | The Interrupt-EO Msg2 and Interrupt-EO Msg3 messages expire and are no longer broadcast. | |  |  | |
|  | Close the Emergency Override dialog. | The Emergency Override dialog closes. | |  |  | |
| * + - 1. Multiple Interrupts Test   This section demonstrates multiple interrupts, for example, submitting an interrupt warning message while the operator in Broadcast Live mode. | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT ACTUAL TONES AND MESSAGES. | | | | | | |
| NOTE: Use of a microphone is required for this section. | | | | | | |
|  | In the Weather Messages dialog, set the following options:   * Message Name: Interrupt-EO Msg4 * Message Type[Change…]: OMASVRxxx * Interrupt: <select> * Alert: <select> * Confirm: <unchecked> * Status: Active * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 5 minutes> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents] | | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter the following text:  *“This is an Interrupt Message attempting to iterrupting a Live Broadcast session.”*  Click [OK] to save the message. | * The text message is entered * The Message Contents dialog closes | |  |  | |
|  | Before submitting the interrupt message, in the BMH Menu, click Messages->Broadcast Live… | The Broadcast Live dialog opens. | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 BMH0090 BMH0101 | |
|  | In the Broadcast Live dialog, select the TT1 transmitter. Then click the [Transmit] button. | The Broadcast Live window opens. | |  |  | |
|  | Click [Yes] in the Broadcast Live window. | The Broadcast Live window closes.  The Message Record/Playback dialog opens with the dialog labeled with ‘On the Air!’. The broadcast is immediately live. No SAME or Alert tones are played. | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 BMH0092 BMH0150 | |
|  | In the Broadcast Cycle dialog, click the Monitor In-line checkbox. | The broadcast plays through the speakers/headphones. | |  |  | |
|  | Verify the BROADCAST LIVE Message Name is listed in the Broadcast Cycle dialog playlist for the selected transmitter. | The BROADCAST LIVE Message Name is listed. | |  | BMH0263 | |
|  | In the Weather Messages dialog, click [Submit Message] in the Weather Messages dialog. | A Weather Messages – Tone Playback acknowledgment dialog opens. | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | * The Weather Messages – Tone Playback dialog closes * The message is not added to the playlist and is not broadcast * A Weather Message window opens | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 BMH0094 BMH0102 BMH0103 BMH0236 | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. The Live Broadcast continues. | |  |  | |
|  | In the Message Record/Playback dialog, click the [Stop] button. | * The Message Record/Playback dialog closes * The live broadcast ends * No closing SAME tones play for the end of the live broadcast message * Immediately after the live broadcast ends, the 3 starting SAME and Alert tones play for the submitted interrupt message * The live broadcast message was not interrupted by the Interrupt message during the live broadcast * The interrupt message is broadcast | |  | BMH0027 BMH0056 BMH0058 BMH0059 BMH0060 BMH0061 BMH0062 BMH0063 BMH0102 BMH0103 BMH0109 | |
|  | Monitor the Broadcast Cycle dialog until the submitted message plays twice. | No SAME or Alert tones play during subsequent plays | |  |  | |
|  | Allow the Interrupt-EO Msg4 message to expire. | The Interrupt-EO Msg4 message expires and is no longer broadcast. | |  |  | |
|  | Close the Broadcast Live dialog. | The Broadcast Live dialog closes. | |  |  | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
| * + - 1. Message Reference Descriptor (MRD) Message Replacement Test   This section demonstrates the replacement of messages having a Message Reference Descriptor (MRD) number assigned. | | | | | | |
| WARNING: ENSURE THAT THE SYSTEM IS NOT CONNECTED TO AN ACTIVE NWS NETWORK TO AVOID SENDING OUT ACTUAL TONES AND MESSAGES. | | | | | | |
|  | On the Broadcast Cycle dialog, review the MRD column for the messages in the playlist. | MRD column:   * Cell is Is blank (not an MRD) * Cell has a number * Cell does not contain “BMH” | |  | BMH0039 | |
|  | Select a message row containing a blank MRD column, click [Message Details…] and verify the following: | | |  | BMH0039 | |
| Expected Result:  The resulting Message Details/Information dialog:   * Overall information is consistent with the selected message information from the Broadcast Cycle dialog * Message Name does not contain a MRD Number |  | |
|  | Close the Message Details/Information dialog. | Dialog closes. | |  |  | |
|  | 1. MRD Message – Initial Message:   In a terminal, locate and open the following test file with a text editor such as vim:  *MRDTest1\_OrigMsg\_MRD123*   * This file contains the original MRD message. * Locate the header in the message:   aT\_ENG**OMASVSBAS**1408090209**1408090211** **123**CD INNEC009c**1508280319**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **black** bolded text is the MRD information.   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time +30 minutes. * If necessary, the Message Type may be modified to facilitate testing. * If necessary, the MRD number may be modified to avoid conflict with any current message that is using the MRD 123. * Save the updates to the file | | |  | BMH0039 | |
| Expected Result:  The expiration date/time of the message header is updated. | | |
|  | Perform the following steps to submit the initial MRD message:   * Copy the MRDTest1\_OrigMsg\_MRD123 test file to:   /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
| Expected Result:   * The file is ingested and listed in the Broadcast Cycle dialog * The MRD column shows 123 | | |
|  | Select the message row containing an MRD 123 and click [Message Details…] and verify the following:  The resulting Message Details/Information dialog:   * Overall information is consistent with the selected message information from the Broadcast Cycle dialog * Message Name contains the MRD Number 123 in the form: “\_xxx\_” | | |  | BMH0039 | |
| Expected Result:   * MRD: 123 * The Message Details/Information dialog similar to the following displays |  | |
|  | * MRD Message – Replacement of Original MRD:   In a terminal, locate and open the following test file with a text editor such as vim:  *MRDTest2\_ReplMsg\_MRD124R123*   * Verify the file contains the MRD message that will replace MRD123 * Locate the header in the message:   aT\_ENG**OMASVSBAS**14080902091408090211 **124R123**CD INNEC009c**1508280319**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **124R123** text is the replacement MRD number where 124 replaces 123.   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time +30 minutes. Record the Expiration Date/Time. * If necessary, the Message Type may be modified to facilitate testing. * If necessary, the MRD number may be modified to avoid conflict with any current message that is using the MRD 123. * Save the updates to the file | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 | |
| Expected Result:   * The expiration date/time of the message header is updated. * Record the Expiration Date/Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Copy the MRDTest2\_ReplMsg\_MRD124R123 test file to:   * /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
| Expected Result:   * The file is ingested and listed in the Broadcast Cycle dialog * The Message ID column color changes to Blue to show the replacement has taken place. * Once the MRD has been replaced, the MRD column updates to show the “124R123” 124R is the MRD replacing 123. | | |
|  | * MRD Message – Second Submittal of Same Replacement MRD:   In a terminal, locate and open the following test file with a text editor such as vim:  *MRDTest3\_ResubReplMsg\_MRD124R123*   * Locate the header in the message:   aT\_ENG**OMASVSBAS**1408090209**1408090211** **124R123**CD INNEC009c**1508280319**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **124R123** text is the replacement MRD number where 124 is replacing 123.   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * Verify the file contains the updated replacement MRD message text (see Section 6.1.8.3) that will replace MRD123. * In the text editor, modify the Expiration Date/Time to the same date/time entered at Step 1341. * Save the updates to the file | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 | |
| Expected Result:  The expiration date/time of the message header is updated. | | |
|  | Copy the MRDTest3\_ResubReplMsg\_MRD124R123 test file to:   * /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
| Expected Result:   * An AlertViz message is received that the ingested message was a duplicate. * No change is reflected to the playlist in the Broadcast Cycle dialog. | | |
|  | Select the message row containing an MRD 124R123 and click [Message Details…]. Verify the following:  The resulting Message Details/Information dialog:   * Message Name contains the MRD Number 124R123 * The message text is consistent with MRDTest2\_ReplMsg\_MRD124R123 (see **Section 6.1.8.2**) | | |  | BMH0039 | |
| Expected Result:   * MRD: 124R123 * The message text matches with MRDTest2\_ReplMsg\_MRD124R123 | | |
|  | * MRD Message – Second Replacement MRD:   In a terminal, locate and open the following test file with a text editor such as vim:  *MRDTest4\_ReplMsg\_MRD125R124123*   * Verify the file contains MRD message 125 that will replace MRD 124R123 * Locate the header in the message:   aT\_ENG**OMASVSBAS**1408090209**1408090211** **125R124123**CD INNEC009c**1508280319**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **125R124123** bolded highlighted text is the MRD number sequence of MRD 125 replacing 124 which replaced 123.   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time +30 minutes. * Save the updates to the file | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 | |
| Expected Result:   * The expiration date/time of the message header is updated. | | |
|  | Copy the MRDTest4\_ReplMsg\_MRD125R124123 test file to:   * /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
| Expected Result:   * The file is ingested and listed in the Broadcast Cycle dialog   The Message ID column color changes to Blue to show the replacement has taken place.   * The MRD column updates to show the “125R124123” where MRD 125 replaces MRD 124 that replaced MRD 123. | | |
| * + - 1. Message Type Association (MAT) Replacement Test   This section demonstrates the replacement of messages having a Message Reference Descriptor (MRD) number assigned. | | | | | | |
|  | Click the Monitor In-line checkbox for the active transmitter on the Broadcast Cycle dialog. | The messages start playing over the headset or speaker | |  |  | |
|  | Select Messages 🡪 Message Type Association… to open the Message Type Association. | The Message Type Association dialog opens. | |  |  | |
|  | In the Message Type Association dialog, click the [Select…] | The Select Message dialog opens | |  | BMH0067 BMH0181 | |
|  | In the Select Message dialog, locate OMASVAxxx and click [OK] | * The Select Message dialog closes * The selected message type OMASVAxxx is now displayed in the Message Type Association dialog | |  | BMH0067 BMH0181 | |
|  | In the Select Message dialog, select OMASVSBAS from the Available Message Types list and click [Add] | The selected Message Types OMASVSBAS is listed in the upper field of the Message Type Association dialog | |  | BMH0181 | |
|  | In the Select Message dialog, click [Save] | * The selection is saved * The Message Type Association dialog closes. | |  | BMH0181 | |
|  | Select Programs 🡪 Broadcast Programs… to open the Broadcast Program Configuration dialog  In the Broadcast Program Configuration dialog, select the TT1 Program from the Program dropdown list. | All the suites associated with TT1 Program are listed. | |  |  | |
|  | Select the TT1 General suite then click [Edit…] | The Edit Suite dialog opens showing the composition of the TT1 General Suite. | |  |  | |
|  | In the Selected Message Types field, check to see if OMASVSxxx and OMASVAxxx are listed.  If not listed, locate and highlight them in the Available Message Types field and click [▲ Add]  [Save] | The message types are added to the suite.  The Edit Suite dialog closes. | |  |  | |
|  | * MAT Message – Initial Message TYPE OMASVSBAS:   In a terminal, locate and open the following test file with a text editor such as vim:  *MATTest1*   * Locate the header in the message:   \_aT\_ENG**OMASVSBAS**1408090209**1408090210** CD INNEC009c**1508280319**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * Verify the file contains original MAT message * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time. * Save the update. | | |  | BMH0066 BMH0067 | |
| Expected Result:  The file is modified | | |
|  | Perform the following steps to submit the initial MAT message:   * Copy the MATTest1 test file to:   /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
| Expected Result:  The file is ingested and listed in the Broadcast Cycle dialog similar to the screenshot provided below: | | |
|  | 1. MAT Message – Message Type OMASVABAS Replaces Original MAT:   In a terminal, locate and open the following test file with a text editor such as vim:  *MRDTest2*  Modify the first line in the file as provided below:   * Locate the header in the message:   \_aT\_ENG**OMASVABAS**1408090209**1408090210** CD **INNEC009**c**1508280319**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM   + The **black** bolded text is the polygon information.   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * Verify the file contains updated MAT message text * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time. * Save the update. | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 | |
| Expected Result:  The file is updated. | | |
|  | Copy the MRDTest2 test file to:   * /awips2/bmh/data/nwr/ready | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0263 | |
| Expected Result:   * The file is ingested and replaces MATTest1 in the Broadcast Cycle dialog * The Message ID column color changes to Blue to show the replacement | | |
|  | Continue monitoring the Broadcast Cycle dialog until the message expires. | Upon expiration, the message disappears from the Broadcast Cycle dialog. | |  |  | |
|  | Close the Broadcast Program Configuration dialog. | Dialog closes | |  |  | |
|  | Close the Message Type Manager dialog. | Dialog closes. | |  |  | |
| * + - 1. Polygon Parsing Test   This section demonstrates the polygon parsing functionality. | | | | | | |
|  | In the Broadcast Cycle dialog, select the BAS transmitter. | The playlist for the BAS transmitter plays over the headset or speaker. | |  |  | |
|  | 1. Polygon Parsing Test 1 – One Vertex, One County:   In a terminal, locate and open the following test file with a text editor such as vim:  *PolygonTest1*  This file contains the first polygon test with one vertex and one county.  Modify the header line in the file as provided below:   * Locate the header in the message:   \_aT\_ENG**OMASVSBAS**1408090209**1408090209**  891CD **IN1234 1234NEC009c1508280219**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **black** bolded text is the interrupt and tone flags (IN), the polygon information (1234 1234), and the Listening Area County (NEC009).   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time. * Save the update. | | |  | BMH0030 | |
| Expected Result:  The file is updated. | | |
|  | Open two terminals ssh onto the BMH servers px1 and px2. Once on the servers, execute the following commands to monitor the edex bmh log:   * Terminal 1:   *ssh px1-<bmh server>*  *tail /awips2/edex/logs/edex-bmh-<yyyymmhh>.log*   * Terminal 2:   *ssh px2-<bmh server>*  *tail /awips2/edex/logs/edex-bmh-<yyyymmhh>.log* | | |  |  | |
| The logs are being tailed | | |
|  | Copy the PolygonTest1 test file to:   * /awips2/bmh/data/nwr/ready | The file is ingested. | |  |  | |
|  | In the AlertViz Popup Message dialog opens message “found and ignored polygon” | The error message is displayed. | |  | BMH0030 BMH0164 BMH0165 | |
|  | In the Broadcast Cycle dialog, verify the submitted message is NOT listed under the transmitter site | The message is NOT listed | |  | BMH0030 | |
|  | In the terminal window, verify the edex bmh log contains message “Found and ignored polygon…” | The message is in the log | |  | BMH0030 BMH0164 BMH0165 | |
|  | 1. Polygon Parsing Test 2 – One Vertex with neg latitude, One County:   In a terminal, locate and open the following test file with a text editor such as vim:  *PolygonTest2*  This file contains the second polygon test with one vertex with negative latitude and one county.  Modify the header line in the file as provided below:   * Locate the header in the message:   \_aT\_ENG**OMASVSBAS**1408090209**1408090209** 891CD **IN-1234 1234NEC009c1508280219**   * + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **black** bolded text is the polygon information.   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time. * Save the update. | | |  | BMH0030 | |
| Expected Result:  The file is updated. | | |
|  | Copy the PolygonTest2 test file to:   * /awips2/bmh/data/nwr/ready | The file is ingested. | |  |  | |
|  | In the AlertViz Popup Message dialog opens message “found and ignored polygon” | The error message is displayed. | |  | BMH0030 BMH0164 BMH0165 | |
|  | In the Broadcast Cycle dialog, verify the submitted message is NOT listed under the transmitter site | The message is NOT listed | |  | BMH0030 | |
|  | In the terminal window, verify the edex bmh log contains message “Found and ignored polygon…” for the second polygon test. | The message is in the log | |  | BMH0030 BMH0164 BMH0165 | |
|  | 1. Polygon Parsing Test 3 – Different length lat/lon values in vertices:   Locate and open the following test file with a text editor such as vim:  PolygonTest3  This file contains the third polygon test with different length of latitude and longitude values in the vertices.  Modify the header line in the file as provided below:   * Locate the header in the message:   \_aT\_ENG**OMASVSBAS**1408090209**1408090209** 891CD **IN1234 1234 234 12345NEC009c1508280219**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM   + The **black** bolded text is the polygon information. * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time. * Save the update. | | |  | BMH0030 | |
| Expected Result:  The file is updated. | | |
|  | Copy the PolygonTest3 test file to:   * /awips2/bmh/data/nwr/ready | The file is ingested. | |  |  | |
|  | In the AlertViz Popup Message dialog opens message “found and ignored polygon” | The error message is displayed. | |  | BMH0030 BMH0164 BMH0165 | |
|  | In the Broadcast Cycle dialog, verify the submitted message is NOT listed under the transmitter site | The message is NOT listed | |  | BMH0030 | |
|  | In the terminal window, verify the edex bmh log contains message “Found and ignored polygon…” for the third polygon test. | The message is in the log | |  | BMH0030 BMH0164 BMH0165 | |
|  | 1. Polygon Parsing Test 3 – Different length lat/lon values in vertices:   Locate and open the following test file with a text editor such as vim:  PolygonTest4  This file contains the fourth polygon test with twelve vertices having different lengths of latitude and longitude values and one county.  Modify the header line in the file as provided below:   * Locate the header in the message:   \_aT\_ENG**OMASVSBAS**1408090209**1408090209** 891CD **IN1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345NEC009c1508280219**   * + The **purple** bolded highlighted text is the Message Type.   + The **red** bolded highlighted text is the Efective Date/Time in form YYMMDDHHMM   + The **blue** bolded highlighted text is the Expiration Date/Time in form YYMMDDHHMM   + The **black** bolded text is the polygon information. * In the text editor, modify the Effective Date/Time to the current date/time. * In the text editor, modify the Expiration Date/Time to the current date/time. * Save the update. | | |  | BMH0030 | |
| Expected Result:   * The file is updated. | | |
|  | Copy the PolygonTest4 test file to:   * /awips2/bmh/data/nwr/ready | The file is ingested. | |  |  | |
|  | In the AlertViz Popup Message dialog opens message “found and ignored polygon” | The error message is displayed. | |  | BMH0030 BMH0164 BMH0165 | |
|  | In the Broadcast Cycle dialog, verify the submitted message is NOT listed under the transmitter site | The message is NOT listed | |  | BMH0030 | |
|  | In the terminal window, verify the edex bmh log contains message “Found and ignored polygon…” for the fourth polygon test. | The message is in the log | |  | BMH0030 BMH0164 BMH0165 | |
| * + - 1. Suite Category Switching Test   This section demonstrates the suite category switching functionality: | | | | | | |
|  | Add Higher Suites to Multiple Programs: | | |  | asdf | |
| In the BMH Menu dialog, select Programs 🡪 Broadcast Programs… | The Broadcast Program Configuration dialog opens. | |
|  | In the Broadcast Program Configuration dialog, select [New…]. | The Create New Suite dialog opens. | |  |  | |
|  | Enter ‘TT1 High’ into the Suite Name textbox. Then set the Category to HIGH. | The Suite Name is set as TT1 High with the Suite Category set to HIGH. | |  |  | |
|  | Use Ctrl+MB1 to select Message Types not assigned to the GENERAL or EXCLUSIVE suites (e.g., OMABZAxxx, OMABZWxxx, OMADSWxxx, OMASVAxxx). Then click the [Add] button. | The selected Message Types are listed in the Selected Message Types section. | |  |  | |
|  | Click the [Set Triggers…] button. | The Trigger Selection dialog opens. | |  |  | |
|  | Click the [Select All] button. Then click [OK]. | All Message Types are checked. The Trigger Selection dialog closes. The Trigger column updates to ‘Yes’ for all Message Types. | |  |  | |
|  | In the Create New Suite dialog, click the [Create] button. | The Create New Suite dialog closes. The TT1 High suite appears in the Suites in Program section of the Broadcast Program Configuration dialog. | |  |  | |
|  | In the Broadcast Program Configuration dialog, select [New…]. | The Create New Suite dialog opens. | |  |  | |
|  | Enter ‘TT1 Exclusive’ into the Suite Name textbox. Then set the Category to EXCLUSIVE. | The Suite Name is set as TT1 Exclusive with the Suite Category set to EXCLUSIVE. | |  |  | |
|  | Use Ctrl+MB1 to select Message Types not assigned to the GENERAL or HIGH suites (e.g., OMASVRxxx, OMATORxxx). Then click the [Add] button. | The selected Message Types are listed in the Selected Message Types section. | |  |  | |
|  | Click the [Set Triggers…] button. | The Trigger Selection dialog opens. | |  |  | |
|  | Click the [Select All] button. Then click [OK]. | All Message Types are checked. The Trigger Selection dialog closes. The Trigger column updates to ‘Yes’ for all Message Types. | |  |  | |
|  | In the Create New Suite dialog, click the [Create] button. | The Create New Suite dialog closes. The TT1 Exclusive suite appears in the Suites in Program section of the Broadcast Program Configuration dialog. | |  |  | |
|  | In the Broadcast Program Configuration dialog, with the TT1 Program selected, note the listed transmitters assigned to the program.  If the xxx transmitter is assigned to the TT1 Program, move on to Step 1400.  If the xxx transmitter is not assigned to the program, select [Assign Transmitter(s)]. Select the xxx transmitter. Then click the [Add] button. Click [OK] in the Replace Program window. | The Replace Program window closes. The xxx transmitter is assigned to the TT1 Program. | |  |  | |
|  | Close the Broadcast Program Configuration dialog. | The Broadcast Program Configuration dialog closes. | |  |  | |
|  | Select Messages 🡪 Weather Messages… to open the Weather Messages dialog. | The Weather Messages dialog opens. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters to create a message that falls within the TT1 General suite:   * Message Name: WxMsg\_General-ZFP * Message Type [Change]: OMAZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <not selected>   + Alerts: <not selected>   + Confirm: <not selected> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <not selected> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is a message for the General suite.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Message window. | * The Weather Message window closes. * No SAME or Alert tones are played * The current playlist continues broadcasting | |  |  | |
|  | In the Broadcast Cycle dialog, select transmitter TT1. Then check the Monitor In-line checkbox, if necessary. | The current playlist messages for the TT1 transmitter play over the headset or speaker. | |  |  | |
|  | If the General playlist is currently being broadcast, move to Step 1409.  If the playlist being broadcast is associated with the High or Exclusive suite, click the [Change Suite…] button. Select the General suite in the Change Suite dialog. Then click [OK]. | The General playlist is broadcast over the headset or speakers. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Auto Category Switch – General to High Suite: | | |  |  | |
| In the Weather Messages dialog, set the following parameters to create a message that falls within the TT1 High suite:   * Message Name: WxMsg\_Cat-High\_SVA * Message Type [Change]: OMASVAxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 15 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect> * [Contents] | | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is a test of the suite category switching function. High Category selection.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played * After the General Suite finishes broadcasting the currently playing message, the suite updates to broadcast the playlist associated with the TT1 High suite | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Auto Category Switch – High to Exclusive Suite:  In the Weather Messages dialog set the following parameters to create a message that falls within the TT1 Exclusive suite:   * Message Name: WxMsg\_Cat-Excl\_TOR * Message Type [Change]: OMATORxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test of the suite category switching function. Exclusive Category selection.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | With the High Suite playlist playing in the Broadcast Cycle dialog, click the [Submit Message] button in the Weather Messages dialog. | The Weather Message acknowledgment window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | * The Weather Message window closes * No SAME or Alert tones are played * After the High Suite finishes broadcasting the currently playing message, the suite updates to broadcast the playlist associated with the TT1 Exclusive suite | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | Manual Category Between Suites:  In the Broadcast Cycle dialog, click [Change Suite…]. Select the TT1 High suite. Then click [OK]. | * Once the current message broadcast completes, the Suite Category changes to TT1 High * The WxMsg\_Cat-High\_SVA message is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | In the Broadcast Cycle dialog, click [Change Suite…]. Select the TT1 General suite. Then click [OK]. | * Once the current message broadcast completes, the Suite Category changes to TT1 General * The WxMsg\_General-ZFP message is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | In the Broadcast Cycle dialog, click [Change Suite…]. Select the TT1 Exclusive suite. Then click [OK]. | * Once the current message broadcast completes, the Suite Category changes to TT1 Exclusive * The WxMsg\_Cat-Excl\_TOR message is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | Continue monitoring the Broadcast Cycle dialog until the WxMsg\_Cat-Excl\_TOR message expires. | * After the Exclusive message expires, the playlist drops down to the TT1 High suite * The playlist associated with the TT1 High suite is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | In the Broadcast Cycle dialog, select the WxMsg\_Cat-High\_SVA message. Force the message to expire by selecting the [Expire/Delete] button. | The Confirm Expire/Delete confirmation window opens. | |  |  | |
|  | Click [OK] to acknowledge the Confirm Expire/Delete confirmation window. | * The Confirm Expire/Delete window closes * Once the message completes playing, it is expired * The Suite Category changes to TT1 General * The General playlist is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Auto Category Switch – General to Exclusive Suite:  In the Weather Messages dialog set the following parameters to create a message that falls within the TT1 Exclusive suite:   * Message Name: WxMsg\_Cat-Excl\_TOR2 * Message Type [Change]: OMATORxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test of the suite category switching function…from General to Exclusive.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | With the General Suite playlist playing in the Broadcast Cycle dialog, click the [Submit Message] button in the Weather Messages dialog. | The Weather Message acknowledgment window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | * The Weather Message window closes * No SAME or Alert tones are played * After the General Suite finishes broadcasting the currently playing message, the suite updates to broadcast the playlist associated with the TT1 Exclusive suite | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | Auto Category Switch – Exclusive to High Suite: | | |  |  | |
| In the Weather Messages dialog, set the following parameters to create a message that falls within the TT1 High suite:   * Message Name: WxMsg\_Cat-High\_SVA2 * Message Type [Change]: OMASVAxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 15 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect> * [Contents] | | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is a test of the suite category switching function…from Exclusive to High.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played * The Exclusive suite continues to be broadcast | |  |  | |
|  | Continue monitoring the Broadcast Cycle dialog until the WxMsg\_Cat-Excl\_TOR message expires. | * After the Exclusive suite message expires, the playlist drops down to the TT1 High suite * The playlist associated with the TT1 High suite is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | Auto Category Switch – High to General Suite: | | |  |  | |
| In the Weather Messages dialog, set the following parameters to create a message that falls within the TT1 General suite:   * Message Name: WxMsg\_General-SAF * Message Type [Change]: OMASAFxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <not selected>   + Alerts: <not selected>   + Confirm: <not selected> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <not selected> * [Contents] | | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter text message:   * + *“This is a test of the suite category switching function…from High to General.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played * The High suite continues to be broadcast | |  |  | |
|  | Continue monitoring the Broadcast Cycle dialog until the WxMsg\_Cat-High\_SVA2 message expires. | * After the High suite message expires, the playlist drops down to the TT1 General suite * The playlist associated with the TT1 General suite is broadcast | |  | BMH0049 BMH0050 BMH0051 BMH0052 BMH0053 BMH0073 | |
|  | Close the Weather Messages dialog. | The Weather Message dialog closes. | |  |  | |
| * + - 1. Messages Assigned to Program Test   This section demonstrates system functionality when different messages are assigned to different programs: | | | | | | |
|  | In the Broadcast Cycle dialog, select the TT1 transmitter. Then activate the Monitor In-linen checkbox, if necessary. | The playlist for the TT1 transmitter is broadcast. | |  |  | |
|  | In the BMH Menu dialog, click Transmitters->Transmitter Configuration. | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click on the TT4 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | Set the DAC Port # to an available Port # and set the program to the TT1 Program2 program. Then click the [Add…] button in the Languages section. | The Create Transmitter Language dialog opens.  The DAC Port # and program are set. | |  |  | |
|  | In the Create Transmitter Language dialog, set the following parameters:   * Language: ENGLISH * Voice: Paul * Dictionary: <leave blank> * [Add…]   + Select STATIONID   + [OK]   + Enter a text message in the Station Id textbox   + [OK] * [Add…]   + Select TIME   + [OK]   + Enter a text message in the Time Preamble and Time Postamble textboxes   + [OK]   [Save] | | |  |  | |
| Expected Result:  The static messages ar e added to the Language. The English language and voice are listed in the Edit Transmitter dialog. The Create Transmitter Language dialog closes. | | |
|  | In the Edit Transmitter dialog, click [Save]. | The Edit Transmitter dialog closes. The Transmitter Configuration dialog updates with the saved settings. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT4 transmitter and select Transmitter Status->Enable Transmitter. | The Confirm ENABLED window opens. | |  |  | |
|  | Click [Yes] to acknowledge the Confirm ENABLED window. | The Confirm ENABLED window closes. The TT4 transmitter is enabled. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT1 transmitter. Then select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, verify the TT1 Program is assigned to the TT1 transmitter. If necessary, set the following parameters:   * Program: TT1 Program * [Save] | The Edit Transmitter dialog closes. The TT1 Program program is assigned to the TT1 transmitter. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | In the BMH Menu dialog, click Programs->Broadcast Programs… | The Broadcast Program Configuration dialog opens. | |  |  | |
|  | On the Broadcast Program Configuration dialog, select Program: TT1 Program2. | The suites associated with TT1 Program2 are listed in the Suites in Program section. | |  |  | |
|  | In the Broadcast Program Configuration dialog, select the HIGH suite listed in the Suites in Program section. Then click the [Remove] button. | The Confirm Delete window opens. | |  |  | |
|  | Click [OK] to acknowledge the Confirm Delete window. | The Confirm Delete window closes. The HIGH suite is removed from the TT1 Program2 program. | |  |  | |
|  | In the Broadcast Program Configuration dialog, select the EXCLUSIVE suite listed in the Suites in Program section. Then click the [Remove] button. | The Confirm Delete window opens. | |  |  | |
|  | Click [OK] to acknowledge the Confirm Delete window. | The Confirm Delete window closes. The HIGH suite is removed from the TT1 Program2 program. | |  |  | |
|  | In the Broadcast Program Configuration dialog, click the [New…] button in the Suites in Program section. | The Create New Suites dialog opens. | |  |  | |
|  | In the Create New Suite dialog, perform the following actions to create the TT1 General2 suite. Ensure to select the same site (xxx) that was selected for the TT1 General program.   * Suite Name: TT1 General2 * Suite Category: GENERAL * Available Message Types: Use Ctrl+MB1 to select the following:   + OMAPNSxxx   + OMARWSxxx   + OMAZFPxxx   + STATIONID   + TIME   + [▲ Add]: Adds the Message Types to the suite   + [Create] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  A Create Suite window opens stating that the program already contains a General suite. | | |
|  | Click the [OK] button to acknowledge the Create Suite window. | The Create Suite dialog and window close. The General suite previously listed is removed. The TT1 General2 suite is listed in the Suites in Program section for the TT1 Program2 program. | |  |  | |
|  | In the Broadcast Program Configuration dialog, click the [New…] button in the Suites in Program section. | The Create New Suites dialog opens. | |  |  | |
|  | In the Create New Suite dialog, perform the following actions to create the TT1 High2 suite. Ensure to select the same site (xxx) that was selected for the TT1 High program.   * Suite Name: TT1 High2 * Suite Category: GENERAL * Available Message Types: Use Ctrl+MB1 to select the following:   + OMAAFYxxx   + OMAASYxxx   + OMABSYxxx   + OMABZAxxx   + [▲ Add]: Adds the Message Types to the suite   + [Set Triggers…]     - [Select All}     - [OK] All selected Message Types are set as trigger messages   + [Create] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Create Suite dialog closes. The TT1 High2 suite is listed in the Suites in Program section for the TT1 Program2 program. | | |
|  | In the Broadcast Program Configuration dialog, click the [Add Existing…] button in the Suites in Program section. | The Add/Copy Existing Suites dialog opens. | |  |  | |
|  | Select the ‘Copy an Existing Suite’ radio button. Enter suite name ‘MyExclusiveSuite’ into the Enter a Suite Name textbox. Then click on the Exclusive radio button. | The ‘Copy an Existing Suite’ radio button is selected.  ‘MyExclusiveSuite’ is entered in the Enter a Suite Name textbox.  All available EXCLUSIVE suites are listed in the Select Suite to Add section. | |  |  | |
|  | Select one of the listed EXCLUSIVE suites. Then click [Add]. | The Add/Copy Existing Suites dialog closes.  The MyExclusive Suite suite is listed in the Suites in Program section for the TT1 Program2 program. | |  |  | |
|  | Select the MyExclusive Suite suite in the Suites in Program section. Then click the [Remove] button. | A Confirm Delete window opens. | |  |  | |
|  | Click [OK] to acknowledge the Confirm Delete window. | The Confirm Delete window closes. The MyExclusive Suite suite is removed from the Suites in Program section. | |  |  | |
|  | Note the assigned suites and Message Types assigned to the TT1 Program2. | The TT1 Program2 contains the TT1 General2 and TT1 High2 suites. | |  |  | |
|  | On the Broadcast Program Configuration dialog, select Program: TT1 Program. | The suites associated with TT1 Program are listed in the Suites in Program section. | |  |  | |
|  | Note the assigned suites and Message Types assigned to the TT1 Program. | The TT1 Program contains the TT1 General, TT1 High, and TT1 Exclusive suites. | |  |  | |
|  | Close the Broadcast Program Configuration dialog. | The Broadcast Program Configuration dialog closes. | |  |  | |
|  | In the BMH Menu dialog, select Messages 🡪 Weather Messages… to open the Weather Messages dialog. | The Weather Messages dialog opens. | |  |  | |
|  | **Test 1: Message in TT1 Program not listed in TT1 Program2**  In the Weather Messages dialog, set the following parameters to create a message that falls under the TT1 Program but does NOT belong to TT1 Program2:   * Message Name: WxMsg\_NotInCurrPrg-1 * Message Type [Change]: OMASVAxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 and TT4 transmitters * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test to verify what happens when a message is submitted which does not belong in the current program assigned to a transmitter.”*   Then click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT1 transmitter. * The submitted message is broadcast over the TT1 transmitter. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT4 transmitter. | The playlist for the TT4 transmitter is broadcast. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is **NOT** listed in the Broadcast Cycle dialog for the TT4 transmitter. * The submitted message is **NOT** broadcast over the TT4 transmitter. | |  | BMH0068 BMH0069 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | **Test 2: Message in TT1 Program2 not listed in TT1 Program** | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| In the Weather Messages dialog set the following parameters to create a message that falls under TT1 Program2 but does NOT belong to TT1 Program:   * Message Name: WxMsg\_NotInCurrPrg-2 * Message Type [Change]: OMAASYxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT1 and TT4 transmitters * SAME Transmitters: <deselect all transmitters> * [Contents] | | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test to verify what happens when a message is submitted which does not belong in the current program assigned to a transmitter. This is the same as test 1 but in reverse direction.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT4 transmitter. * The submitted message is broadcast over the TT4 transmitter. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT1 transmitter. | The playlist for the TT1 transmitter is broadcast. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is **NOT** listed in the Broadcast Cycle dialog for the TT1 transmitter. * The submitted message is **NOT** broadcast over the TT1 transmitter. | |  | BMH0068 BMH0069 | |
|  | Allow the WxMsg\_NotInCurrPrg-1 and WxMsg\_NotInCurrPrg-2 messages to expire. | The WxMsg\_NotInCurrPrg-1 and WxMsg\_NotInCurrPrg-2 messages expire and are no longer broadcast. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | **Test 3: Message in TT1 Program2 is listed in TT1 Program** | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| In the Weather Messages dialog set the following parameters to create a message that falls under both TT1 Program2 and TT1 Program:   * Message Name: WxMsg\_InCurrPrg-3 * Message Type [Change]: OMAZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 5 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT1 and TT4 transmitters * SAME Transmitters: <deselect all transmitters> * [Contents] | | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test to verify what happens when a message is submitted which belongs in both programs.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT1 transmitter. * The submitted message is broadcast over the TT1 transmitter. | |  | BMH0068 BMH0069 | |
|  | In the Broadcast Cycle dialog, select the TT4 transmitter. | The playlist for the TT4 transmitter is broadcast. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT4 transmitter. * The submitted message is broadcast over the TT4 transmitter. | |  | BMH0068 BMH0069 | |
|  | Allow the WxMsg\_InCurrPrg-3 message to expire. | The WxMsg\_InCurrPrg-3 message expires and is no longer broadcast. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | **Test 4: Reassign Program Test** | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| In the Weather Messages dialog set the following parameters to create a message that falls under TT1 Program2 but does NOT belong to TT1 Program:   * Message Name: WxMsg\_NotInCurrPrg-4 * Message Type [Change]: OMARWSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT1 and TT4 transmitters * SAME Transmitters: <deselect all transmitters> * [Contents] | | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test to verify what happens when a message is submitted and then the program is reassigned for the transmitter.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT4 transmitter. * The submitted message is broadcast over the TT4 transmitter. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT1 transmitter. | The playlist for the TT1 transmitter is broadcast. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is **NOT** listed in the Broadcast Cycle dialog for the TT1 transmitter. * The submitted message is **NOT** broadcast over the TT1 transmitter. * Note: Existing messages will not play on both transmitters. However, new incoming messages will broadcast on both transmitters when submitted. | |  | BMH0068 BMH0069 | |
|  | In the BMH Menu dialog, click Transmitters->Transmitter Configuration. | The Transmitter Configuration dialog opens. | |  |  | |
|  | MB3 click on the TT1 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | Set the program to the TT1 Program2 program. Then click the [Save] button. | The Edit Transmitter dialog closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog set the following parameters to create a message that falls under TT1 Program2 program:   * Message Name: WxMsg\_InCurrPrg-5 * Message Type [Change]: OMAPNSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 10 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT1 and TT4 transmitters * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test to verify what happens when a message is submitted after a program has been reassigned for the transmitter.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT1 transmitter. * The submitted message is broadcast over the TT1 transmitter. | |  |  | |
|  | In the Broadcast Cycle dialog, select the TT4 transmitter. | The playlist for the TT4 transmitter is broadcast. | |  |  | |
|  | Monitor the Broadcast Cycle dialog. | * The submitted message is listed in the Broadcast Cycle dialog for the TT4 transmitter. * The submitted message is broadcast over the TT4 transmitter. | |  | BMH0068 BMH0069 | |
|  | Allow the WxMsg\_InCurrPrg-5 message to expire. | The WxMsg\_InCurrPrg-5 message expires and is no longer broadcast. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on the TT1 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | Set the program to the TT1 Program program. Then click the [Save] button. | The Edit Transmitter dialog closes. | |  |  | |
| * + - 1. Periodicity Test   This section demonstrates message periodicity: | | | | | | |
|  | In the Broadcast Cycle dialog, select the TT4 transmitter. | The playlist for the TT4 transmitter is broadcast. Only static message are broadcast. | |  |  | |
|  | Periodicity Test 1: No Periodicity for Static Messages; Periodic Message Submitted  In the Transmitter Configuration dialog, MB3 click on the TT4 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select ENGLISH in the Languages section. Then click [Edit]. | The Edit Transmitter Language dialog opens. | |  |  | |
|  | Select STATIONID in the Static Message Type(s) section. Then click [Edit…]. | The Edit Static Message Type dialog opens. | |  |  | |
|  | Set the Periodicity to 00.00.00.00. Then click [OK]. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Select TIME in the Static Message Type(s) section. Then click [Edit…]. | The Edit Static Message Type dialog opens. | |  |  | |
|  | Set the Periodicity to 00.00.00.00. Then click [OK]. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Click [Save] in the Edit Transmitter Language dialog. | The Edit Transmitter Language dialog closes. | |  |  | |
|  | Click [Save] in the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Message Name: Submitted Periodic Message * Message Type [Change]: OMAPNSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 30 minutes> * Defaults:   + Periodicity: 0.0.3.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT4 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a periodic message submitted with a periodicity of 3 minutes.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Verify the STATIONID and TIME messages play each cycle. | The TIME and STATIONID messages play each cycle. | |  |  | |
|  | Click on the [Periodic Messages…] button. Verify the PNS message is listed in the Periodic Messages dialog. Verify the PNS message plays approximately every 3 minutes. Verify the PNS message plays at the approximated “Next Predicted Broadcast” time. | The Periodic Messages dialog opens. The PNS message is listed in the Periodic Messages dialog. The PNS message plays at the approximated “Next Predicted Broadcast” time. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Click the PNS message line in the Periodic Messages dialog. Then click [Message Details…]. Verify the Periodicity is set to 3 minutes. | The Message Details/Information dialog opens. The Periodicity is set to 3 minutes. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Close the Message Details/Information dialog. | The Message Details/Information dialog closes. | |  |  | |
|  | In the Weather Messages dialog, edit the following parameters:   * Defaults:   + Periodicity: 0.0.10.0 * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a periodic message submitted with a periodicity of 10 minutes.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Verify the STATIONID and TIME messages play each cycle. | The TIME and STATIONID messages play each cycle. | |  |  | |
|  | Verify the PNS message updates with the new Predicted Broadcast time in the Periodic Messages dialog. Verify the PNS message plays approximately every 10 minutes. Verify the PNS message plays at the approximated “Next Predicted Broadcast” time. | The Periodic Messages dialog updates with the change in periodicity. The PNS message is listed in the Periodic Messages dialog. The PNS message plays at the approximated “Next Predicted Broadcast” time. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Click the PNS message line in the Periodic Messages dialog. Then click [Message Details…]. Verify the Periodicity is set to 10 minutes. | The Message Details/Information dialog opens. The Periodicity is set to 10 minutes. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Allow the PNS message to expire. Then verify the message is removed from the Periodic Messages dialog. Also verify the message is no longer broadcast. | The message is removed from the Periodic Messages dialog. The message is no longer broadcast. | |  |  | |
|  | Close the Message Details/Information dialog. | The Message Details/Information dialog closes. | |  |  | |
|  | Close the Periodic Messages dialog. | The Periodic Messages dialog closes. | |  |  | |
|  | Periodicity Test 2: Periodicity for Static Messages; Non-periodic Message Submitted  In the Transmitter Configuration dialog, MB3 click on the TT4 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select ENGLISH in the Languages section. Then click [Edit]. | The Edit Transmitter Language dialog opens. | |  |  | |
|  | Select STATIONID in the Static Message Type(s) section. Then click [Edit…]. | The Edit Static Message Type dialog opens. | |  |  | |
|  | Set the Periodicity to 00.00.03.00. Then click [OK]. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Select TIME in the Static Message Type(s) section. Then click [Edit…]. | The Edit Static Message Type dialog opens. | |  |  | |
|  | Set the Periodicity to 00.00.10.00. Then click [OK]. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Click [Save] in the Edit Transmitter Language dialog. | The Edit Transmitter Language dialog closes. | |  |  | |
|  | Click [Save] in the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Message Name: Submitted Regular Message * Message Type [Change]: OMARWSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 30 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT4 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test of periodicity messages using static messages. This message is to last 90 seconds to test the periodicity of static messages with 3 minute and 10 minute periods between messages.”*   + *Copy the above message approximately 8 times to get the message to play for approximately 90 seconds.*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Click on the [Periodic Messages…] button to monitor when the messages are expected to play. After the TIME and STATIONID messages play, allow the RWS message play. Verify the STATIONID message plays approximately once every 2-3 times the RWS message plays. Verify the TIME message plays once every 6-7 times the RWS message plays. Verify the messages play at the approximated ‘Next Predicted Broadcast” time. | The STATIONID message plays approximately once every 2-3 times the RWS message plays. The TIME message plays once every 6-7 times the RWS message plays. The messages play at the approximated ‘Next Predicted Broadcast” time. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Allow the RWS message to expire. | The RWS message expires. The message is no longer broadcast. | |  |  | |
|  | Close the Periodic Messages dialog. | The Periodic Messages dialog closes. | |  |  | |
|  | Periodicity Test 3: Periodicity for Static Messages; Periodic Messages Submitted  In the Transmitter Configuration dialog, MB3 click on the TT4 transmitter and select Edit Transmitter… | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select ENGLISH in the Languages section. Then click [Edit]. | The Edit Transmitter Language dialog opens. | |  |  | |
|  | Select STATIONID in the Static Message Type(s) section. Then click [Edit…]. | The Edit Static Message Type dialog opens. | |  |  | |
|  | Set the Periodicity to 00.00.20.00. Then click [OK]. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Select TIME in the Static Message Type(s) section. Then click [Edit…]. | The Edit Static Message Type dialog opens. | |  |  | |
|  | Set the Periodicity to 00.00.30.00. Then click [OK]. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Click [Save] in the Edit Transmitter Language dialog. | The Edit Transmitter Language dialog closes. | |  |  | |
|  | Click [Save] in the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Message Name: 3 Minute Periodicity * Message Type [Change]: OMAPNSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0.3.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT4 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test of periodicity messages. This test uses static messages that have a periodicity set…as well as submitting messages that have assigned periodicities. This message is to last 1 minute. This message has a periodicity of 3 minutes.”*   + *Copy the above message approximately 4 times to get the message to play for approximately 1 minute.*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Message Name: 10 Minute Periodicity * Message Type [Change]: OMARWSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0.10.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT4 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a test of periodicity messages. This test uses static messages that have a periodicity set…as well as submitting messages that have assigned periodicities. This message is to last 1 minute. This message has a periodicity of 10 minutes.”*   + *Copy the above message approximately 4 times to get the message to play for approximately 1 minute.*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Verify all 4 periodic messages are listed in the playlist of the Broadcast Cycle dialog. | All periodic messages are listed and are broadcast with each cycle. This is because the playlist is not long enough to space out the periodic messages based on the periodicities set. | |  |  | |
|  | Click on the [Periodic Messages…] button to monitor when the messages are expected to play. Verify the listed periodic messages play at the approximated “Next Predicted Broadcast” time. | The Periodic Messages dialog opens. The periodic messages play at the approximated “Next Predicted Broadcast” time. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters:   * Message Name: Regular 5 Minute Long Message * Message Type [Change]: OMAZFPxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0. 0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection…]: Remove all areas. Then add the TT4 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message   * + *“This is a long text message. This message should last at least 2 minutes long. This Z F P message should play approximately 30 times per hour. Within the hour, the STATION I D message should play approximately 3 times, the TIME message should play approximately twice, the P N S message should play 20 times, and the R W S message should play 6 times.”*   Then click [OK]. | | |  |  | |
| The Message Contents dialog closes. | | |
|  | In the Weather Messages dialog, select [Submit Message]. | A Weather Message window opens. | |  |  | |
|  | Acknowledge the Weather Message window. | * The Weather Message window closes * No SAME or Alert tones are played | |  |  | |
|  | Verify within the hour the ZFP message plays approximately 30 times, the STATIONID message plays approximately 3 times, the TIME message plays approximately twice, the PNS message plays approximately 20 times, and the RWS messages plays approximately 6 times. | Within the hour, the ZFP message plays approximately 30 times, the STATIONID message plays approximately 3 times, the TIME message plays approximately twice, the PNS message plays approximately 20 times, and the RWS messages plays approximately 6 times. | |  |  | |
|  | Click on the [Periodic Messages…] button to monitor when the messages are expected to play. Verify the listed periodic messages play at the approximated “Next Predicted Broadcast” time. | The Periodic Messages dialog opens. The periodic messages play at the approximated “Next Predicted Broadcast” time. | |  | BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 | |
|  | Close the Periodic Messages dialog. | The Periodic Messages dialog closes. | |  |  | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
| * + 1. Practice Mode   This section demonstrates Practice Mode operations. | | | | | | |
| WARNING: THE ACTIONS PERFORMED IN THIS SECTION SHOULD ONLY BE RUN WHILE IN PRACTICE MODE. FAILURE TO DO SO WILL OVERWRITE AND PERFORMING THEM ON THE OPERATIONAL SYSTEM WILL OVERWRITE YOUR CURRENT DATABASE AND IS NOT A RECOVERABLE ACTION. | | | | | | |
| Note: Some of the dialogs screenshots provided in this section are from the operational system. The only difference when operating in Practice Mode is that the dialogs will be orange rather than gray. Otherwise, both operate in the same manner. | | | | | | |
| * + - 1. System 🡪 Import Legacy DB…   This section demonstrates the dialogs and GUIs associated with importing the legacy database into Practice Mode: | | | | | | |
|  | With BMH operating in the Operational mode:   * Select Transmitter 🡪 Transmitter Configuration…from the BMH Menu dialog * Compare the contents and status displayed in the Transmitter Configuration dialog to the BMH Menu dialog * Note the DACs/Ports assigned to all transmitters on the Transmitter Configuration dialog | | |  |  | |
| Expected Result:   * The Transmitter Configuration dialog opens * DACs/Ports assigned to all transmitters:   + **SiteID DAC Ports**   \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ | | |
|  | Close CAVE and BMH using either the CAVE 🡪 Exit… or the [X} in the upper right corner of the CAVE session. | The CAVE and BMH sessions are closed. | |  |  | |
|  | Start CAVE in Practice Mode entering the following in a terminal window:  /awips2/cave/cave.sh -mode practice | | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 | |
| Expected Result:  CAVE starts in Practice Mode. | | |
| NOTE: The Practice Mode menu includes the option for copying the Operational DB into the Practice Mode session. This option is not part of the operational mode. | | | | | | |
|  | Start BMH by clicking CAVE->BMH. | The BMH Menu dialog opens the last saved Transmitter Configuration for the Practice Mode: | |  |  | |
|  | Extract one of the sites folders from the legacyDB\_siteSets.tgz to a known location such as:  /tmp/legacyDB  Record the path location  (If desired, multiple sites may be extracted) | The file is extracted:  Site: \_\_\_\_\_\_\_\_\_  Path: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | BMH0205 BMH0206 | |
|  | In the BMH Menu dialog, select System 🡪 Import Legacy DB… | The Import Legacy Database Browser dialog opens. | |  |  | |
|  | Select [Browse] in the Import Legacy Database Browser dialog. | The IMPORT\_LEGACY\_DB Browser dialog opens. | |  |  | |
|  | In the IMPORT\_LEGACY\_DB Browser dialog, locate the path for the site saved at Step 1596. | The IMPORT\_LEGACY\_DB Browser dialog opens the file. | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
|  | When the file is selected, press [OK] | * IMPORT\_LEGACY\_DB Browser dialog closes * The Import Legacy Database dialog opens with the path inserted into the File field. | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
|  | Click [Import…] on the Import Legacy Database dialog | A confirmation popup displays requesting acknowledgment of the importation action. | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
|  | Acknowledge the popup. | | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
| Expected Result:   * The Progress Information dialog opens.      * After the importation is completed successfully, a status dialog opens indicating how many transmitters and message types have been imported. | | |
|  | Verify that the Update Practice Mode transmitters DO NOT match those of the operational system as recorded in Step 1592.  Note: It is possible that all transmitters will show as disabled. | The transmitters in Practice Mode do not match those recorded previously. | |  |  | |
|  | On the BMH menu, select  Transmitter 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens | |  |  | |
|  | Right-click on one of the **DISABLED** transmitter and select  Transmitter Status 🡪 Enable Transmitter | | |  | BMH0218 BMH0219 BMH0220 BMH0221 BMH0228 BMH0238 BMH0239 BMH0240 BMH0241 | |
| Expected Result:  A confirmation dialog opens requesting confirmation of the action. | | |
|  | Acknowledge the confirmation dialog. | * The dialog closes. * The Transmitter Configuration dialog shows the selected transmitter is now **ENABLED** | |  |  | |
|  | Close the Transmitter Configuration dialog. | Dialog closes. | |  |  | |
|  | If the Broadcast Cycle dialog is not open, on the BMH menu, select:  Transmitter 🡪 Broadcast Cycle… | * The Broadcast Cycle dialog opens * All **ENABLED** transmitters are listed including the one enabled at **Step 1606**. | |  |  | |
|  | Select a transmitter group. | Transmitter Group:\_\_\_\_\_\_\_ | |  |  | |
|  | On the Broadcast Programs Cycle dialog, check the Monitor In-line checkbox. | The messages are played over the headset or speaker. | |  | BMH0102 BMH0103 BMH0236 | |
|  | On the BMH dialog, click Messages 🡪 Weather Messages… | The Weather Messages dialog opens. | |  |  | |
|  | Click [Edit] in the Weather Messages dialog. | The Edit Weather Message advisory popup displays | |  |  | |
|  | Acknowledge the dialog by clicking the [OK] button in the Edit Weather Message window. | * Edit Weather Message advisory popup closes * Select Input Message dialog opens | |  |  | |
|  | If the Select Input Message dialog contains messages, proceed to Step 1625.  If the Select Input Message dialog does NOT contain any messages proceed to the next step to create a new message. |  | |  |  | |
|  | Close the Select Input Message dialog. | The Select Input Message dialog closes. | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog, set the following parameters to create an Inactive Weather Message:   * Message Name: WxMsg\_PracTOR * Message Type [Change]: OMATORxxx * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current time + 1 hour> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * Status: Active * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: TT1 * [Contents]: | | |  |  | |
| Expected Result:  Message Contents dialog opens | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This Tornado Warning message was created for the use in the practice session.”* * Click [OK] | The message ensures the message can be recognized when it plays. | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | Weather Messages – Tone Playback dialog opens. | |  |  | |
|  | Acknowledge the Weather Messages – Tone Playback dialog | The dialog closes and the Message Submitted acknowledgment dialog | |  |  | |
|  | Acknowledge the message submitted confirmation popup dialog | The dialog closes | |  |  | |
|  | Click [Edit] in the Weather Messages dialog. | The Edit Weather Message advisory popup displays | |  |  | |
|  | Acknowledge the dialog by clicking the [OK] button in the Edit Weather Message window. | * Edit Weather Message advisory popup closes * Select Input Message dialog opens | |  |  | |
|  | Verify that the just-created message in the Select Input Message dialog. | The message is listed. | |  | BMH0102 BMH0103 BMH0236 | |
|  | Select a message from the Input Messages field then click [OK] | * Select Input Message dialog closes * The selected message type and name are listed in the Weather Messages dialog | |  | BMH0099 BMH0100 | |
|  | Update the preset parameter settings in the Weather Messages dialog:   * Message Name: WxMsg\_PracWSW\_ * Message Type [Change]: OMAWSWxxx * Creation Date/Time: <use current date/time> * Effective Date/Time: <current date/time + 5 minutes> * Expiration Date/Time: <current date/time + 30 minutes> * Defaults:   + Interrupts: <deselect>   + Alert: <deselect>   + Confirm: <deselect> * Status: Active radio button selected * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect> * [Contents] | | |  | BMH0099 BMH0100 | |
| Expected Result:  Message Contents dialog opens | | |
|  | View the contents of the existing message text. Modify the text, if desired, to distinguish the message for this test. | Note the contents of the message to ensure the message can be recognized when it plays. | |  | BMH0099 BMH0100 | |
|  | In the Message Contents dialog, select [OK] | * Message Contents dialog closes * The Weather Messages dialog is active | |  | BMH0099 BMH0100 | |
|  | Click [Submit Message] in the Weather Messages dialog. | The dialog closes and the Message Submitted acknowledgment dialog | |  | BMH0099 BMH0100 BMH0263 | |
|  | Acknowledge the message submitted confirmation popup dialog | The dialog closes | |  |  | |
|  | Monitor the Broadcast Cycle dialog, until the effective is reached. | * The submitted message appears in the playlist. * The messages plays over the headset or speaker once it reaches the effective time | |  | BMH0011 BMH0023 BMH0099 BMH0100 BMH0102 BMH0103 BMH0236 | |
|  | Close the Weather Messages dialog. | Dialog closes. | |  |  | |
| * + - 1. System 🡪 Copy Operational DB…   This section demonstrates the dialogs, GUIs and functionality associated with copying the operational database into Practice Mode: | | | | | | |
|  | * On the BMH menu bar, select Transmitter 🡪 Transmitter Configuration… * Compare the contents and status displayed in the Transmitter Configuration dialog to the BMH Menu dialog. * Note the DACs/Ports and status assigned to all transmitters on the Transmitter Configuration dialog | | |  |  | |
| Expected Result:   * The Transmitter Configuration dialog opens * DACs/Ports assigned to all transmitters:   **SiteID DAC Ports State**  \_\_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_  \_\_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_  \_\_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_  \_\_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ | | |
|  | Compare the information contained in the BMH Menu dialog to that provided in **Step 1592**. | | |  |  | |
| Expected Result:   * The information does not match. * The BMH menu still reflects the information from the previous legacy database as modified/updated in **Section 4.6.2.1**. | | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | On the BMH menu bar, select Maintenance 🡪 DAC Configuration. | | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 | |
| Expected Result:  There is a DAC for each server in the edex-bmh cluster. |  | |
|  | Close the DAC Configuration dialog. | The DAC Configuration dialog closes. | |  |  | |
|  | On the BMH menu bar, select System 🡪 Copy Operational DB. | | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 | |
| Expected Result:  The Copy Operation data base dialog opens. |  | |
|  | Click [OK] to acknowledge the Copy Operation data base dialog and complete the copy action. | | |  |  | |
| Expected Result:  A Progress Information appears while the database is copied. |  | |
|  | Select Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | Verify that the Practice Mode transmitters match those of the operational system. | The Practice Mode transmitters match the operational transmitters. | |  |  | |
|  | Compare the status displayed in the BMH Menu dialog to the contents of the Transmitter Configuration dialog. Verify that the Practice Mode transmitters match those of the operational system. | | |  |  | |
| Expected Result:  The BMH Menu dialog status matches the updated Transmitter Configuration display for the Practice Mode. | | |
|  | | |
| NOTE: At this point, practice mode functions just like the operational BMH. Screenshots will not reflect the actual look a system operation in practice mode. They are provided as aids in demonstrating the expected result. | | | | | | |
|  | Assign/modify DACs/Ports and enable/disable several transmitters per the procedures. | The changes are reflected in the Transmitter Configuration and BMH Menu dialogs for the Practice Mode.  The changes to the tranmsitters will NOT affect the transmitters in Operational Mode. | |  | BMH0099 BMH0100 | |
|  | In the Transmitter Configuration dialog, MB3 right-click on an ENABLED transmitter and select [Transmitter Status] 🡪 Disable Transmitter. | The Transmitter is disabled. | |  | BMH0099 BMH0100 | |
|  | In the Transmitter Configuration dialog, MB3 right-click on the DISABLED transmitter and select [Edit Transmitter…] | The Edit Transmitter dialog opens. | |  | BMH0099 BMH0100 | |
|  | In the Edit Transmitter dialog, set the DAC and Port # assigned to the transmitter to “None”. Then click [Save]. | The Edit Transmitter dialog closes. The modifications are saved. | |  | BMH0099 BMH0100 | |
|  | In the Transmitter Configuration dialog, MB3 right-click anywhere on the dialog and [Create Group…]. | The New Transmitter Group dialog opens. | |  | BMH0099 BMH0100 | |
|  | In the New Transmitter Group dialog, enter the following parameters:  Group Name: PracGroup  DAC: assign dac  Program: None  Time Zone: UCT  [Save] | The new group is created. | |  | BMH0099 BMH0100 | |
|  | In the Transmitter Configuration dialog, MB3 right-click on a different ENABLED transmitter and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  | BMH0099 BMH0100 | |
|  | In the Edit Transmitter dialog, assigned the transmitter to the new group. Then click [Save]. | The Edit Transmitter dialog closes. The transmitter is reassigned. | |  | BMH0099 BMH0100 | |
|  | Verify the changes that were just made are reflected in the BMH Menu status. | The BMH Menu status displays all the changes. | |  | BMH0099 BMH0100 | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | On the BMH menu bar, select System 🡪 Copy Operational DB. | | |  |  | |
| Expected Result:  The Copy Operation data base dialog opens. |  | |
|  | Click [OK] to acknowledge theCopy Operation data basedialog and complete the copy action. | | |  |  | |
| Expected Result:   * The Copy Operation data base dialog closes * After Progress Information dialog completes, the Practice Mode returns to the “pristine” practice mode state. All previously made changes are overwritten |  | |
|  | On the BMH dialog, click Transmitters 🡪 Broadcast Cycle… | The Broadcast Programs Cycle dialog opens. | |  |  | |
|  | Identify an ENABLED transmitter group on the BMH Menu dialog. | Transmitter Group:\_\_\_\_\_\_\_ | |  |  | |
|  | Select Transmitter 🡪 Broadcast Cycle… to open the Broadcast Cycle dialog. | The Broadcast Cycle dialog opens. | |  | BMH0102 BMH0103 BMH0236 | |
|  | Select the one of the enabled transmitters in the Broadcast Cycle dialog. Then check the Monitor In-line checkbox. | The messages are played over the headset or speaker. | |  |  | |
|  | On the BMH dialog, click Messages 🡪 Weather Messages… | The Weather Messages dialog opens. | |  |  | |
|  | Note and update the parameter settings in the Weather Messages dialog:   * Message Name: \_\_\_\_\_\_\_\_\_\_\_\_ * Message Type [Change]: OMAWSWxxx * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time + 5 minutes> * Expiration Date/Time: <current date/time + 30 minutes> * Defaults:   + Interrupts: <deselect>   + Alert: <deselect>   + Confirm: <deselect> * Status: Active radio button selected * [Area Selection]: <select appropriate area/zones> * SAME Transmitters: <deselect> * [Contents] | | |  | BMH0099 BMH0100 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | Enter a text message in the Message Contents dialog. Then click [OK]. | * The text message is saved in the Message Contents dialog. * The Message Contents dialog closes | |  | BMH0099 BMH0100 | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Messages window opens. | |  |  | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Monitor the Broadcast Cycle dialog, until the effective is reached. | * Once the Effective Date/Time is reached, the submitted message appears in the playlist * The messages plays over the headset or speaker once it reaches the effective date/time * No SAME or Alert tones are played | |  | BMH0011 BMH0023 BMH0099 BMH0100 BMH0102 BMH0103 BMH0236 | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | In the Weather Messages dialog set the following:   * Message Name: Test\_ZFP * Message Type [Change]: OMAZFPxxx * Creation Date/Time: <current date/time> * Effective Date/Time: <current date/time> * Expiration Date/Time: <current date/time + 1 hour> * Defaults:   + Interrupts: < check>   + Alert: <check>   + Confirm: <uncheck> * Status: Active radio button selected * [Area Selection]: <select appropriate area/zones> * SAME Transmitters: <select appropriate transmitter> * [Contents] | | |  | BMH0011 BMH0023 BMH0099 BMH0100 | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | In the Message Contents dialog, enter a text message. Then click [Play]. | The message plays over the headset or speaker. | |  | BMH0102 BMH0103 | |
|  | In the Message Contents dialog, click [OK]. | The Message Contents dialog closes. | |  |  | |
|  | Click [Submit Message] in the Weather Messages dialog. | | |  | BMH0082 BMH0083 BMH0099 BMH0100 | |
| Expected Result:  Since the just created message include SAME and Alert tones, a Weather Messages – Tone Playback acknowledgement dialog opens. | | |
|  | Click [Yes] to acknowledge the Weather Messages – Tone Playback dialog. | The Weather Messages – Tone Playback dialog closes. The Weather Message window opens. | |  | BMH0082 BMH0083 BMH0263 | |
|  | Click [OK] to acknowledge the Weather Messages window. | The Weather Messages window closes. | |  |  | |
|  | Monitor the messages as follows:   * The submitted message audio plays at least two times * The SAME and Alert tones only play on the first/initial playback * Subsequent plays of the messages play the message without SAME and Alert tones | | |  | BMH0099 BMH0100 BMH0102 BMH0103 BMH0109 | |
| Expected Result:   * The message audio is played over the headset or speaker * SAME and Alert tones sound during the initial play of the message * SAME and Alert Tones do not play on subsequent plays of the message | | |
| NOTE: Use of a microphone is required for the following steps in this section. | | | | | | |
|  | In the BMH Menu dialog, select:  Messages 🡪 Broadcast Live... | | The Broadcast Live dialog opens. |  | BMH0101 | |
|  | Without selecting a Transmitter Group, in the Broadcast Live dialog, select [Transmit] | | |  | BMH0101 | |
| Expected Result:  A Broadcast Live – Transmitters dialog opens advising that no transmitters have been selected. | |  |
|  | Acknowledge the Broadcast Live – Transmitters dialog | The Broadcast Live – Transmitters dialog closes | |  |  | |
|  | In the Broadcast Live dialog, select a Transmitter Group. Then click [Transmit] | | |  |  | |
| Expected Result:  A Broadcast Live dialog opens advising that you are about to go live and requesting acknowledgment. | |  |
|  | Acknowledge the dialog | | The acknowledgment dialog closes |  |  | |
|  | Using the microphone, initiate the test broadcast message | | * The current practice mode message stream is interrupted * Message Record/Playback dialog opens * The test broadcast message goes out over the current transmitter |  | BMH0101 | |
|  | After completion of the test broadcast message, click [Stop] in the Message Record/Playback dialog | | * Message Record/Playback dialog closes * The test broadcast message ends. * The current message stream restarts |  | BMH0101 | |
|  | Close the Broadcast Live dialog | | Dialog closes. |  |  | |
|  | * On the BMH menu, select Transmitter 🡪 Transmitter Configuration… * Verify the DACs/Ports assigned to all transmitters displayed on the BMH Menu and listed in the Transmitter Configuration dialogs match. | | |  | BMH0097 | |
| Expected Result:   * The Transmitter Configuration dialog opens * DACs/Ports assigned to all transmitters on both the BMH Menu and the Transmitter Configuration dialog match. * Record the transmitter siteID, DAC and Port #:   + **SiteID DAC Ports**   \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ | | |
|  | Shutdown of Practice Mode – Bginning Steps (Start) | | | | | |
| Close Practice Mode CAVE and BMH | Practice Mode CAVE and BMH are closed | |  |  | |
|  | Restart CAVE in operational mode. | CAVE is restarted in operational mode. | |  |  | |
|  | From the CAVE menu, select  CAVE 🡪 BMH  to start the BMH. | * The BMH Menu dialog opens * BMH Menu dialog is now gray (signifying operation mode) versus orange (signifying practice mode). | |  |  | |
|  | Compare the information contained in the BMH Menu dialog to that provided in **Step 1592**. | * The current status is consistent with that recorded in **Step 1592**. | |  |  | |
|  | Select Messages 🡪 Weather Messages… When the dialog opens select [Edit…] and search for:   * WxMsg\_PracTOR * WxMsg\_PracWSW | Neither message exists. | |  |  | |
|  | Close the Weather Messages dialog. | Dialog closes. | |  |  | |
| Shutdown of Practice Mode – Closing Steps (End) | | | | | |
| NOTE: This ends Practice Mode operations. | | | | | | |
| * + 1. Unacceptable Word Filtering   This section demonstrates the functionality for filtering unacceptable words. | | | | | | |
|  | In a terminal window and ssh to the BMH servers px1 and px2.  Once in the server, change directory to the following location::   * /awips2/bmh/conf | The terminal is set | |  |  | |
|  | English Unacceptable Words:  Open the following file using any desired text editor:   * unacceptableWords.eng.txt | The English unacceptable file is opened | |  | BMH0116 BMH0117 | |
|  | In the unacceptable words file:   * Either add words to the file (one word or phrase per line) * If words already exist, note one or two words in the list. * Save the file if you made any changes | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Make note of the added or selected words * The file is saved | | |
|  | Spanish Unacceptable Words:  Open the following file using any desired text editor:   * unacceptableWords.spa.txt | The Spanish unacceptable file is opened | |  | BMH0116 BMH0117 | |
|  | In the unacceptable words file:   * Either add words to the file (one word or phrase per line) * If words already exist, note one or two words in the list. * Save the file if you made any changes | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Make note of the added or selected words * The file is saved | | |
|  | In the BMH Menu dialog, select the following:   * Messages 🡪 Weather Messages… | The Weather Messages dialog opens | |  |  | |
|  | In the BMH Menu dialog, select the following:   * Transmiters 🡪 Broadcast Cycle… | The Broadcast Cycle dialog opens | |  |  | |
|  | Click [New] in the Weather Messages dialog. | All the parameter settings in the Weather Messages dialog are cleared. | |  |  | |
|  | Test 1: No Unacceptable English Words in Weather Message  In the Weather Messages dialog set the following parameters:   * Message Name: WxMsg\_InappWords\_T1 * Message Type [Change]: OMAPNSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 30 minutes> * Defaults:   + Periodicity: 0.0.0.0   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  |  | |
| Expected Result:  Message Contents dialog opens | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This message was created to check for the existence of unacceptable words in the message to be submitted. Test 1 – No unacceptable English words are contained in the message.”* * Verify no unacceptable words are contained in the message. * Click [OK] | No unacceptable words are in the message | |  | BMH0116 BMH0117 | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Message window opens. | |  |  | |
|  | Verify the Weather Messages popup window does not contain a message related to the submitted message having inappropriate words.  Then click [OK] to acknowledge the Weather Message window. | The Weather Message window did not contain a message regarding the use of inappropriate words.  The Weather Message window closes. | |  | BMH0116 BMH0117 | |
|  | In the Broadcast Cycle dialog, verify the submitted message is listed in the playlist. | The message is listed in the playlist. | |  | BMH0263 | |
|  | On the Broadcast Cycle dialog, select [Monitor In-line] to enable headset or speaker playback of the message. Then monitor the audio until the message is broadcast. | * Messages in the playlist are broadcast over the headset or speaker * The submitted message eventually is broadcast | |  | BMH0102 BMH0103 | |
|  | Test 2: Unacceptable English Words in Weather Message  In the Weather Messages dialog, click the green [Contents] button | The Message Contents dialog opens displaying the contents of the selected message | |  |  | |
|  | At a minimum, update the text message by replacing the existing message with the following text in the Message Contents dialog:   * *“This message was created to check for the existence of unacceptable words in the message to be submitted.*   *Test 2 – English Message contains unacceptable words.”*   * Add some of the unacceptable English words contained in the ***unacceptableWords.eng.txt*** file to the contents. * Click [OK] | Unacceptable words have been added to the message. | |  | BMH0116 BMH0117 | |
|  | In the Weather Messages dialog, click [Submit Message]. | A Weather Messages popup dialog opens stating that the message failed to submit because it contained inappropriate words. | |  | BMH0116 BMH0117 | |
|  | Click [OK] to acknowledge the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, verify the updated message is NOT listed in the playlist. | The updated message is NOT listed in the Broadcast Cycle dialog. | |  | BMH0116 BMH0117 BMH0263 | |
|  | Close the Weather Messages dialog. | A Close Weather Message window appears stating that closing the Weather Messages dialog will result in lost changes. | |  |  | |
|  | Click [OK] to acknowledge the Close Weather Messages window. | The Close Weather Message window and Weather Messages dialog close. | |  |  | |
|  | In a terminal and, using any desired text editor such as vim, open and review the following file on both bmh servers px1 and px2:  /awips2/edex/logs/edex-bmh-<yyyymmhh>.log  Search the log and verify that the message was not sent. | | |  | BMH0116 BMH0117 BMH0165 BMH0166 BMH0167 | |
| The message is not listed in the log. | | |
|  | On the BMH Menu select Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on transmitter TT1 and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | **Test 3: UNACCEPTABLE WORD – ENGLISH StationID Preamble**   * In the Edit Transmitter dialog, set the following parameters:   + Languages:     - Highlight ENGLISH     - [Edit…]: The Edit Transmitter Language dialog opens       * Select STATIONID. Then click [Edit…]:         + <enter the following text>   *“This text will demonstrate catching unacceptable words in the StationID Preamble. <Enter the unacceptable words or phrases from English file> ”*   * + - * + Click [OK]       * Select TIME. Then click [Edit…]:         + Time Preamble: <enter the following text>   *“The Time Preamble section does not contain any inappropriate words.”*   * + - * + Time Postamble: <enter the following text>   *“The Time Postamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * [Save] | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Alert Visualization Popup Message dialog displays message similar to following:   *Failed to update the transmitter language: TransmitterLanguage[ id=com.raytheon.uf.common.bmh.datamodel.transmitter.TransmitterLanguagePK@b8ba35a0, stationIdMsg=This text will demonstrate the Station ID preamble! stationid shit, timeMsgPreamble=When in the course of human events, party like it's 1999!, timeMsgPostamble=it's 5 o'clock somewhere!, voice=Paul, speechRate=0].*   * You are returned to the Edit Transmitter dialog | | |
|  | **Test 4: UNACCEPTABLE WORD – ENGLISH Time Preamble**   * In the Edit Transmitter dialog, set the following parameters:   + Languages:     - Highlight ENGLISH     - [Edit…]: The Edit Transmitter dialog opens       * Select STATIONID. Then click [Edit…]         + <enter the following text>   *“The Station Id Preamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * Select TIME. Then click [Edit]:         + Time Preamble: <enter the following text>   *“This text will demonstrate catching unacceptable words in the Time Preamble. <Enter the unacceptable words or phrases from English file> ”*   * + - * + Time Postamble: <enter the following text>   *“The Time Postamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * [Save] | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Alert Visualization Popup Message dialog displays message similar to following:   *Failed to update the transmitter language: TransmitterLanguage[ id=com.raytheon.uf.common.bmh.datamodel.transmitter.TransmitterLanguagePK@b8ba35a0, stationIdMsg=This text will demonstrate the Station ID preamble!, timeMsgPreamble=When in the course of human events, party like it's 1999! This is Shit, timeMsgPostamble=it's 5 o'clock somewhere!, voice=Paul, speechRate=0].*   * You are returned to the Edit Transmitter dialog | | |
|  | **Test 5: UNACCEPTABLE WORD – ENGLISH Time Postamble**   * In the Edit Transmitter dialog, set the following parameters:   + Languages:     - Highlight ENGLISH     - [Edit…]: The Edit Transmitter dialog opens       * Select STATIONID. Then click [Edit…]         + <enter the following text>   *“The Station Id Preamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * Select TIME. Then click [Edit]:         + Time Preamble: <enter the following text>   *“The Time Preamble section does not contain any inappropriate words.”*   * + - * + Time Postamble: <enter the following text>   *“This text will demonstrate catching unacceptable words in the Time Postamble. <Enter the unacceptable words or phrases from English file> ”*   * + - * + Click [OK]       * [Save] | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Alert Visualization Popup Message dialog displays message similar to following:   *Failed to update the transmitter language: TransmitterLanguage[ id=com.raytheon.uf.common.bmh.datamodel.transmitter.TransmitterLanguagePK@b8ba35a0, stationIdMsg=This text will demonstrate the Station ID preamble!, timeMsgPreamble=When in the course of human events, party like it's 1999!, timeMsgPostamble=it's 5 o'clock somewhere! postamble shit, voice=Paul, speechRate=0].*   * You are returned to the Edit Transmitter dialog | | |
|  | In the Edit Transmitter dialog, click [Save]. | The Edit Transmitter dialog closes. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on transmitter TT1 and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select ENGLISH in the Languages field and click [Edit…]. | The Edit Transmitter Language dialog opens. | |  |  | |
|  | Select STATIONID. Then click the [Edit…] button. Verify no unacceptable words are in the Station Id text. | No unacceptable words were saved in the Station Id text. | |  | BMH0116 BMH0117 | |
|  | Click the [Close] button in the Edit Static Message Type dialog. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Select TIME. Then click the [Edit…] button. Verify no unacceptable words are in the Time Preamble or Time Postamble text. | No unacceptable words were saved in the Time Preamble or Time Postamble text. | |  | BMH0116 BMH0117 | |
|  | Click the [Close] button in the Edit Static Message Type dialog. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Click the [Close] button in the Edit Transmitter Language dialog. | The Edit Transmitter Language dialog closes. | |  |  | |
|  | Click the [Close] button in the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | In the BMH Menu dialog, click Messages->Weather Messages. | The Weather Messages dialog opens. | |  |  | |
|  | Test 6: No Unacceptable SPANISH Words in Weather Message  In the Weather Messages dialog set the following parameters:   * Message Name: WxMsg\_InappSpanishWords\_T6 * Message Type [Change]: OMAPNSxxx * Creation Date/Time: <current time> * Effective Date/Time: <current time> * Expiration Date/Time: <current time + 30 minutes> * Defaults:   + Periodicity: 00.00.00.00   + Interrupts: <deselect>   + Alerts: <deselect>   + Confirm: <deselect> * [Area Selection]: Remove all areas. Then add the TT1 transmitter * SAME Transmitters: <deselect all transmitters> * [Contents] | | |  |  | |
| Expected Result:  The Message Contents dialog opens. | | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This message was created to check for the existence of unacceptable words in the message to be submitted. Test 6 – No unacceptable Spanish words are contained in the message.”* * Verify no unacceptable words are contained in the message. * Click [OK] | No unacceptable words are in the message. | |  | BMH0116 BMH0117 | |
|  | Click [Submit Message] in the Weather Messages dialog. | The Weather Message window opens. | |  |  | |
|  | Verify the Weather Messages popup window does not contain a message related to the submitted message having inappropriate words.  Then click [OK] to acknowledge the Weather Message window. | The Weather Message window did not contain a message regarding the use of inappropriate words.  The Weather Message window closes. | |  | BMH0116 BMH0117 | |
|  | In the Broadcast Cycle dialog, verify the submitted message is listed in the playlist. | The message is listed in the playlist. | |  | BMH0263 | |
|  | On the Broadcast Cycle dialog, select [Monitor In-line] to enable headset or speaker playback of the message. Then monitor the audio until the message is broadcast. | * Messages in the playlist are broadcast over the headset or speaker * The submitted message eventually is broadcast | |  | BMH0102 BMH0103 | |
|  | Test 7: Unacceptable SPANISH Words in Weather Message  In the Weather Messages dialog, click the green [Contents] button | The Message Contents dialog opens displaying the contents of the selected message. | |  |  | |
|  | At a minimum, enter the following into the Message Contents dialog:   * *“This message was created to check for the existence of unacceptable words in the message to be submitted.*   *Test 7 – Spanish Message contains unacceptable words.”*   * Add some of the unacceptable Spanish words contained in the ***unacceptableWords.spa.txt*** file to the contents. * Click [OK] | Unacceptable words have been added to the message. | |  | BMH0116 BMH0117 | |
|  | In the Weather Messages dialog, click [Submit Message]. | A Weather Messages popup dialog opens stating that the message failed to submit because it contained inappropriate words. | |  | BMH0116 BMH0117 | |
|  | Click [OK] to acknowledge the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
|  | In the Broadcast Cycle dialog, verify the updated message is NOT listed in the playlist. | The updated message is NOT listed in the Broadcast Cycle dialog. | |  | BMH0116 BMH0117 BMH0263 | |
|  | Close the Weather Messages dialog | A Close Weather Message window appears stating that closing the Weather Messages dialog will result in lost changes. | |  |  | |
|  | Click [OK] to acknowledge the Close Weather Messages window. | The Close Weather Message window and Weather Messages dialog close. | |  |  | |
|  | In a terminal and, using any desired text editor such as vim, open and review the following file on both BMH servers px1 and px2:  /awips2/edex/logs/edex-bmh-<yyyymmhh>.log  Search the log and verify that the message was not sent. | | |  | BMH0116 BMH0117 BMH0165 BMH0166 BMH0167 | |
| The message is not listed in the log. | | |
|  | On the BMH Menu select Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on transmitter TT1 and select [Edit Transmitter…] | The Edit Transmitter dialog opens. | |  |  | |
|  | **Test 8: UNACCEPTABLE WORD – SPANISH StationID Preamble**   * In the Edit Transmitter dialog, set the following parameters:   + Languages:     - Highlight SPANISH     - [Edit…]: The Edit Transmitter Language dialog opens       * Select STATIONID. Then click [Edit…]:         + <enter the following text>   *“This text will demonstrate catching unacceptable words in the StationID Preamble. <Enter the unacceptable words or phrases from Spanish file> ”*   * + - * + Click [OK]       * Select TIME. Then click [Edit…]:         + Time Preamble: <enter the following text>   *“The Time Preamble section does not contain any inappropriate words.”*   * + - * + Time Postamble: <enter the following text>   *“The Time Postamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * [Save] | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Alert Visualization Popup Message dialog displays message similar to following:   *Failed to update the transmitter language: TransmitterLanguage[ id=com.raytheon.uf.common.bmh.datamodel.transmitter.TransmitterLanguagePK@749688e2, stationIdMsg=Esta es una prueba para la identificación de la estación puto, timeMsgPreamble=En su momento, sera util que la Comision Juridica y Tecnica se relina de manera separada., timeMsgPostamble=Pero si la proxima tarea va a ser los trabajos preliminares para la preparacion de reglamentos, mi delegacion tambien considera que esos trabajos deben ser abiertos, que no debe haber ninguna confidencia en la preparación de esos reglamentos., voice=Violeta, speechRate=0].*   * You are returned to the Edit Transmitter dialog | | |
|  | **Test 9: UNACCEPTABLE WORD – SPANISH Time Preamble**   * In the Edit Transmitter dialog, set the following parameters:   + Languages:     - Highlight SPANISH     - [Edit…]: The Edit Transmitter dialog opens       * Select STATIONID. Then click [Edit…]         + <enter the following text>   *“The Station Id Preamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * Select TIME. Then click [Edit]:         + Time Preamble: <enter the following text>   *“This text will demonstrate catching unacceptable words in the Time Preamble. <Enter the unacceptable words or phrases from Spanish file> ”*   * + - * + Time Postamble: <enter the following text>   *“The Time Postamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * [Save] | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Alert Visualization Popup Message dialog displays message similar to following:   *Failed to update the transmitter language: TransmitterLanguage[ id=com.raytheon.uf.common.bmh.datamodel.transmitter.TransmitterLanguagePK@749688e2, stationIdMsg=Esta es una prueba para la identificación de la estación., timeMsgPreamble=En su momento, sera util que la Comision Juridica y Tecnica se relina de manera separada. puta, timeMsgPostamble=Pero si la proxima tarea va a ser los trabajos preliminares para la preparacion de reglamentos, mi delegacion tambien considera que esos trabajos deben ser abiertos, que no debe haber ninguna confidencia en la preparación de esos reglamentos., voice=Violeta, speechRate=0].*   * You are returned to the Edit Transmitter dialog | | |
|  | **Test 10: UNACCEPTABLE WORD – SPANISH Time Postamble**   * In the Edit Transmitter dialog, set the following parameters:   + Languages:     - Highlight SPANISH     - [Edit…]: The Edit Transmitter dialog opens       * Select STATIONID. Then click [Edit…]         + <enter the following text>   *“The Station Id Preamble section does not contain any inappropriate words.”*   * + - * + Click [OK]       * Select TIME. Then click [Edit]:         + Time Preamble: <enter the following text>   *“The Time Preamble section does not contain any inappropriate words.”*   * + - * + Time Postamble: <enter the following text>   *“This text will demonstrate catching unacceptable words in the Time Postamble. <Enter the unacceptable words or phrases from Spanish file> ”*   * + - * + Click [OK]       * [Save] | | |  | BMH0116 BMH0117 | |
| Expected Result:   * Alert Visualization Popup Message dialog displays message similar to following:   *Failed to update the transmitter language: TransmitterLanguage[ id=com.raytheon.uf.common.bmh.datamodel.transmitter.TransmitterLanguagePK@749688e2, stationIdMsg=Esta es una prueba para la identificación de la estación., timeMsgPreamble=En su momento, sera util que la Comision Juridica y Tecnica se relina de manera separada., timeMsgPostamble=Pero si la proxima tarea va a ser los trabajos preliminares para la preparacion de reglamentos, mi delegacion tambien considera que esos trabajos deben ser abiertos, que no debe haber ninguna confidencia en la preparación de esos reglamentos. hoto, voice=Violeta, speechRate=0].*   * You are returned to the Edit Transmitter dialog | | |
|  | In the Edit Transmitter dialog, click [Save]. | The Edit Transmitter dialog closes. | |  |  | |
|  | In the Transmitter Configuration dialog, MB3 click on transmitter TT1 and select [Edit Transmitter…]. | The Edit Transmitter dialog opens. | |  |  | |
|  | In the Edit Transmitter dialog, select SPANISH in the Languages field and click [Edit…]. | The Edit Transmitter Language dialog opens. | |  |  | |
|  | Select STATIONID. Then click the [Edit…] button. Verify no unacceptable words are in the Station Id text. | No unacceptable words were saved in the Station Id text. | |  | BMH0116 BMH0117 | |
|  | Click the [Close] button in the Edit Static Message Type dialog. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Select TIME. Then click the [Edit…] button. Verify no unacceptable words are in the Time Preamble or Time Postamble text. | No unacceptable words were saved in the Time Preamble or Time Postamble text. | |  | BMH0116 BMH0117 | |
|  | Click the [Close] button in the Edit Static Message Type dialog. | The Edit Static Message Type dialog closes. | |  |  | |
|  | Click the [Close] button in the Edit Transmitter Language dialog. | The Edit Transmitter Language dialog closes. | |  |  | |
|  | Click the [Close] button in the Edit Transmitter dialog. | The Edit Transmitter dialog closes. | |  |  | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | Close the Weather Messages dialog. | The Weather Messages dialog closes. | |  |  | |
| * + 1. Broadcast Suite Management   This section demonstrates the Broadcast Suite Management functionality of creating and limiting number and types of suites. | | | | | | |
|  | On the BMH Menu dialog, select Messages 🡪 Suite Manager… | The Suite Manager dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Suite Manager dialog, do the following:   * Select suite TT1 High * [Copy...] | The Copy Suite dialog opens | |  |  | |
|  | On the Copy Suite dialog, enter the following:   * Suite Name: TestSuite1 – High * [OK]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Copy Suite dialog closes  The Suite Manger dialog now has a Suite called TestSuite1 – High with Category HIGH. | | |
|  | On the Suite Manager dialog, do the following:   * Select suite TT1 General * [Copy...] | The Copy Suite dialog opens | |  |  | |
|  | On the Copy Suite dialog, enter the following:   * Suite Name: TestSuite2 – General * [OK]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Copy Suite dialog closes  The Suite Manger dialog now has a Suite called TestSuite2 – General with Category GENERAL. | | |
|  | On the Suite Manager dialog, do the following:   * Select suite TT1 High-2 * [Copy...] | The Copy Suite dialog opens | |  |  | |
|  | On the Copy Suite dialog, enter the following:   * Suite Name: TestSuite2 – High * [OK]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:  The Copy Suite dialog closes  The Suite Manger dialog now has a Suite called TestSuite2 – High with Category HIGH. | | |
|  | Close the Suite Manager dialog. | Dialog closes | |  |  | |
|  | On BMH Menu select Programs 🡪 Broadcast Programs... | The Broadcast Program Configuration dialog opens | |  |  | |
|  | On the Broadcast Program Configuration dialog, click [New...] adjacent to the Program dropdown menu. | The New Program dialog opens | |  |  | |
|  | In the New Program dialog, enter the following parameters:  Program Name: TestProgram1. Click [Add Existing...] | The Add/Copy Existing Suites dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Add/Copy Existing Suites dialog, select the TestSuite1 – High row and click on [Add] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The Add/Copy Existing Suites dialog closes * The suite is added to the Selected Suites field in the New Program dialog. | | |
|  | On the New Program dialog click [Save]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The New Program dialog closes * The Broadcast Program Configuration dialog opens with TestProgram1 selected * The Suites in Program table lists the "TestSuite1 – High ". | | |
|  | On Broadcast Program Configuration dialog, click on the Program [New]. | The New Program dialog opens. | |  |  | |
|  | On New Program dialog enter the following:   * Program Name: TestProgram2 * [Add Existing...] | The Add/Copy Existing Suites dialog opens. | |  |  | |
|  | On the Add/Copy Existing Suites dialog select TestSuite2-High. Then click [Add]. | * The Add/Copy Existing Suite dialog closes * The added TestSuite2-High suite is listed in the New Program dialog | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the New Program dialog, click [Add Existing...] | The Add/Copy Existing Suites dialog opens | |  |  | |
|  | On the Add/Copy Existing Suites dialog, select TT1 Exclusive. Then click [Add]. | * The Add/Copy Existing Suite dialog closes * The New Program dialog lists TT1 Exclusive and TestSuite2-High suites. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | * On the New Program dialog, click [Add Existing...] | The Add/Copy Existing Suites dialog opens | |  |  | |
|  | On the Add/Copy Existing Suites dialog, select TestSuite2-General. Then click [Add] | * The Add/Copy Existing Suite dialog closes * The New Program dialog lists the TestSuite2-General, TT1 Exclusive and TestSuite2-High suites. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the New Program dialog, click [Add Existing...] | The Add/Copy Existing Suites dialog opens | |  |  | |
|  | Add another GENERAL suite such as General MUL. Then click [Add]. | When the Add/Copy Existing Suites dialog [Add] button is selected, a warning message displays about adding more than one GENERAL category to a program. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Close the warning message by selecting [Cancel] | The dialog closes. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the New Program dialog select [Save]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The New Program dialog closes * The Broadcast Program Configuration dialog opens with TestProgram2 selected * The Suites in Program table lists the TestSuite2-General (GENERAL), TT1 Exclusive (EXCLUSIVE) and TestSuite2-High (HIGH) suites. | | |
|  | On the Broadcast Program Configuration dialog, select TestSuite2-High. The click [Edit…] | The Edit Suite dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Edit Suite dialog, change the Suite Category: from HIGH to EXCLUSIVE then select [Save]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The Edit Suite dialog closes * The selected suite category has been updated in the Broadcast Program Configuration dialog * Broadcast Program Configuration dialog shows TT1 Exclusive and TestSuite2-High suites as being EXCLUSIVE suites. | | |
|  | On the Broadcast Program Configuration dialog, select TT1-Exclusive suites and click [Edit] | The Edit Suite dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Edit Suite dialog, change the Suite Category: from EXCLUSIVE to HIGH then select [Save] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The Edit Suite dialog closes * The selected suite category has been updated to HIGH in the Broadcast Program Configuration dialog * Broadcast Program Configuration dialog shows one HIGH (TT1 Exclusive), one EXCLUSIVE (TestSuite2-High) and one GENERAL (TestSuite2-General) suite. | | |
|  | On the Broadcast Program Configuration dialog, change the Program dropdown menu to TT1 Program and note the category of the TT1 Exclusive suite under this program. | The TT1 Exclusive suite Category has changed to High in this program. | |  |  | |
|  | On the Broadcast Program Configuration dialog, change the Program dropdown menu to TestProgram2 | TestProgram2 is displayed in the Broadcast Program Configuration dialog. | |  |  | |
|  | On the Broadcast Program Configuration dialog, select the TestSuite2-High suite. Then click [Edit] | The Edit Suite dialog opens with the TestSuite2-High suite displayed. | |  |  | |
|  | On the Edit Suite dialog, change the Suite Category: from EXCLUSIVE to HIGH, then select [Save] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The Edit Suite dialog closes * The selected suite category has been updated to HIGH in the Broadcast Program Configuration dialog * Broadcast Program Configuration dialog shows two HIGH suites (TT1 Exclusive and TestSuite2-High) and one GENERAL suite (TestSuite2-General). | | |
|  | On the Broadcast Program Configuration dialog, select TestSuite2-High. Then click [Edit] | The Edit Suite dialog opens | |  |  | |
|  | On the Edit Suite dialog, change the Suite Category: from HIGH to GENERAL. Then click [Save]. | Verify a Warning popup message appears similar to the following: | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Select [OK] to close the Warning popup. Click the [Save] button to close the Edit Suite dialog. | All dialogs are closed | |  |  | |
|  | On the Broadcast Program Configuration dialog, with TestProgram2 displayed, select TestSuite2-General. Then click [Remove] | * A confirmation popup opens. * The TestSuite2-General suite has been removed from the TestProgram2 list of suites. * Only the two HIGH suites (TT1 Exclusive and TestSuite2-High) remain in the list. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Acknowledge the “Confirm Delete dialog | The confirmation dialog closes | |  |  | |
|  | On the Broadcast Program Configuration dialog, select TestSuite2-High. Then click [Edit] | The Edit Suite dialog opens | |  |  | |
|  | On the Edit Suite dialog, change the Suite Category: from HIGH to GENERAL then select [Save] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The Edit Suite dialog closes * The selected suite category has been updated to GENERAL in the Broadcast Program Configuration dialog * Broadcast Program Configuration dialog shows the TestSuite2-High (GENERAL) and TT1 Exclusive (HIGH) suites | | |
|  | On the Broadcast Program Configuration dialog, change the Program dropdown menu to TT1 Program and note the category of the TT1 Exclusive suite under this program. | The TT1 Exclusive suite Category Is still showing as HIGH in this program. | |  |  | |
|  | On the Broadcast Program Configuration dialog, select TT1 Exclusive. The click [Edit…] | The Edit Suite dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Edit Suite dialog, change the Suite Category: from HIGH to EXCLUSIVE then select [Save]. | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
| Expected Result:   * The Edit Suite dialog closes * The selected suite TT1-Exclusive category has been updated in the Broadcast Program Configuration dialog * Broadcast Program Configuration dialog shows TT1 Exclusive (EXCLUSIVE) TT1 High (HIGH) and TT1 General (GENERAL) suites. | | |
|  | On the Broadcast Program Configuration dialog, change the Program dropdown menu to TestProgram2 and note the category of the TT1 Exclusive suite under this program. | The TT1 Exclusive suite Category Is still showing as HIGH in this program. | |  |  | |
|  | Close the Broadcast Program Configuration dialog. |  | |  |  | |
|  | On the BMH Menu, select:  Messages 🡪 Suite Manager... | The Suite Manager dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Suite Manager dialog, select "TestSuite1 - High" row and click on [Edit...] | Edit Suite dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Edit Suite dialog change the Suite Category: from HIGH to GENERAL the click on Save. | Verify on the Suite Manger dialog that "Test Suite" Category is now GENERAL | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Close the Suite Manager dialog | Dialog closes | |  |  | |
|  | On BMH Menu, select Transmitters 🡪 Transmitter Configuration... | Transmitter Configuration dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Transmitter Configuration dialog, locate any DISABLED transmitter that has a DAC and Port # assigned. | * If a transmitter is available proceed to Step 1808.   + Transmitter ID: \_\_\_\_\_ * If none are available proceed to next step. | |  |  | |
|  | On the Transmitter Configuration dialog, locate any ENABLED transmitter that has a DAC and Port # assigned. | Record the Transmitter: \_\_\_\_\_\_\_ | |  |  | |
|  | On the Transmitter Configuration dialog MB3 right-click on the identified transmitter and select [Transmitter Status]. Then select [Disable Transmitter] | A confirmation popup opens. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Acknowledge the confirmation popup. | Dialog closes. | |  |  | |
|  | On the Transmitter Configuration dialog MB3 right-click on the identified transmitter and select [Edit Transmitter…] | The Edit Transmitter dialogopens | |  |  | |
|  | In the Edit Transmitter dialog, make the following changes after recording the settings:  From To  DAC: \_\_\_\_\_ None  Port #: \_\_\_\_\_ None  {Save] | * The changes are saved. * You are returned to the Transmitter Configuration dialog. | |  |  | |
|  | On the Transmitter Configuration dialog MB3 right-click on the identified transmitter and select [New Transmitter…] | The New Transmitter dialogopens | |  |  | |
|  | Enter the following settings in the New Transmitter dialog:   * Group Name: Standalone * DAC: <see setting recorded at **Step 1809**> * DAC Port selection: <see setting recorded at **Step 1809**> * Mnemonic: KT1 * Call Sign: KT1 * Program: TestProgram1 * Time Zone: Central * Location: KT1Loc * Service Area: areaKT1 * [Save] | | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0180 BMH0205 BMH0206 BMH0209 BMH0238 BMH0239 BMH0240 BMH0241 BMH0261 BMH0262 | |
| Expected Result:   * New Transmitter dialog closes * The Transmitter Configuration dialog opens the new transmitter with the selected settings from above * Trans1 is current **Disabled** | | |
|  | On the Transmitter Configuration dialog, select the Trans1 transmitter and MB3 click:   * Transmitter Status 🡪 Enable Transmitter | A confirmation popup opens. | |  |  | |
|  | Acknowledge the confirmation popup. | * The confirmation popup closes. * The Transmitter Configuration dialog shows that Trans1 is now enabled | |  |  | |
|  | Close Transmitter Configuration dialog. | Dialog closes | |  |  | |
|  | Select Messages 🡪 Suite Manager… to open the Suite Manager dialog and select TestSuite1 - High. Then click on [Edit...]. | The Edit Suite dialog opens | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | On the Edit Suite dialog change the Suite Category: from GENERAL to HIGH then click on [Save] | Verify the Suite Save warning dialog appears with the message: “Unable to change suites category. The following ENABLED transmitter/group(s) dependent on this suite being General: KT1 | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Click the [OK] button to dismiss the warning dialog. Click the [Cancel] button to cancel the transaction. Then click the [Close] button to close the Suite Manager dialog. | All dialogs are closed | |  |  | |
|  | On BMH Menu dialog, select Transmitters 🡪 Transmitter Configuration... | The Transmitter Configuration dialog opens | |  |  | |
|  | On the Transmitter Configuration dialog select the KT1 transmitter row and MB3 click Transmitter Status 🡪 Disable Transmitter | A Confirm Disable dialog opens | |  |  | |
|  | Acknowledge the Confirm Disable | * The popup closes. * Transmitter Configuration dialog shows Trans1 status as DISABLED | |  |  | |
|  | On the Transmitter Configuration dialog select the KT1 transmitter row and MB3 click Transmitter Status 🡪 Delete Transmitter | A Confirm Delete popup opens | |  |  | |
|  | Acknowledge the Confirm Delete popup | * The popup closes. * Transmitter Configuration dialog no longers lists the Trans1 transmitter. | |  |  | |
|  | Close the Transmitter Configuration dialog. | Dialog closes | |  |  | |
|  | On the BMH Menu, select  Messages 🡪 Suite Manager... | Suite Manager dialog opens | |  |  | |
|  | On the Suite Manager dialog select the TestSuite1 - High row. Then click [Edit...]. | The Edit Suite dialog opens | |  |  | |
|  | On the Edit Suite dialog change Suite Category: from GENERAL to HIGH. Then click [Save] | The Edit Suite dialog closes. The Test Suite's Category is now HIGH in the Suite Manager dialog. | |  | BMH0041 BMH0048 BMH0049 BMH0050 BMH0051 BMH0052 BMH0170 BMH0178 BMH0209 BMH0261 BMH0262 | |
|  | Close the Suite Manager dialog. | The dialog closes. | |  |  | |
| * 1. Message Test Scenarios   This section demonstrates the processing of different message test scenarios.. | | | | | | |
| * + 1. BMH Automated Message Test ScenarioS   This section demonstrates BMH message processing for a variety of different test message scenarios. This section requires a resetting of the BMH configuration data and to support a relocalization to use the AFC site. | | | | | | |
| * + - 1. Preparation of Test Environment for BMH Automated Message Test Scenarios   This section prepares the test environment: | | | | | | |
| WARNING: PLEASE BE AWARE THAT EXECUTION OF THE AUTOMATED MESSAGE TEST SCENARIOS REQUIRES THE IMPORTING OF THE AFC SITE LEGACY DATABASE FOR PROPER OPERATION OF THE TEST SCENARIOS. THIS IS A NON-RECOVERABLE ACTION THAT OVERWRITES YOUR CURRENT DATABASE WITH THE CONTENTS OF THE AFC DATABASE. IT CANNOT BE PERFORMED IN PRACTICE MODE. | | | | | | |
|  | Ensure the AFC-daily.ASC file has been previously saved as part of the test preparation and environment setup to a known location (per Section 3.3) such as */tmp*.  Opening a terminal and locating the folder location where the files were saved can accomplish this step. | | |  |  | |
| Expected Result:  The file is at a known location, such as */tmp*. | | |
|  | Start D2D if it has not already been started. | D2D is running. | |  |  | |
|  | Select CAVE 🡪 BMH to start BMH. | The BMH Menu dialog opens. | |  |  | |
|  | In the BMH Menu dialog, select System 🡪 Import Legacy DB… | The Import Legacy Database dialog opens. | |  |  | |
|  | Select [Browse…] in the Import Legacy Database dialog. | The Import Legacy Database browser opens. | |  |  | |
|  | In the Import Legacy Database browser, locate the path (i.e., */tmp*) where you previously saved the AFC-daily.ASC file. | The Import Legacy Database browser opens the file. | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
|  | Select the AFC-daily.ASC file. Then click [OK]. | * The Import Legacy Database browser closes * The Import Legacy Database dialog displays the path in the File field. | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
|  | Click [Import…] on the Import Legacy Database dialog. | An Import Legacy DataBase confirmation popup displays requesting acknowledgment of the import. | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
|  | Click [OK] to acknowledge the Import Legacy DataBase confirmation popup. | | |  | BMH0096 BMH0097 BMH0098 BMH0099 BMH0100 BMH0101 BMH0205 BMH0206 | |
| Expected Result:   * The Progress Information dialog opens. * After the importation is completed successfully, a status dialog opens indicating how many transmitters and message types have been imported. * The Import Legacy Database dialog closes automatically. | | |
|  | Click [OK] to close the status dialog. | The status dialog closes. | |  |  | |
| * + - 1. Initiating the BMH Automated Message Test Scenarios   This section initiates the BMH Automated Test Scenarios: | | | | | | |
|  | On D2D, select CAVE 🡪 Preferences. | The Preferences dialog opens. | |  |  | |
|  | Select Localization. | The preferences for Localization display. | |  |  | |
|  | From the Site dropdown menu, change the site to AFC. Then click [OK]. | A CAVE Localization preferences changed confirmation dialog opens. | |  |  | |
|  | Click [OK] to acknowledge the CAVE Localization preferences changed confirmation dialog. | The CAVE Localization preferences changed and Preferences dialogs close. | |  |  | |
|  | Close and restart CAVE. | CAVE is restarted localized to AFC. | |  |  | |
|  | On D2D, select CAVE 🡪 BMH… | The BMH Menu dialog opens. | |  |  | |
|  | On the BMH Menu select Transmitters 🡪 Transmitter Configuration… | The Transmitter Configuration dialog opens. | |  |  | |
|  | On the Transmitter Configuration dialog, check to see if transmitter PABE is ENABLED.  If ENABLED, proceed to next step.  IF DISABLED, perform the following actions:   * Check if there is any available DAC Port # assigned to dac1, perform the following:   + If there is an available port, MB3 click on transmitter PABE and select [Edit Transmitter…]     - In the Edit Transmitter dialog set the DAC and DAC Port # parameters to dac1 and the available port.     - Click [Save]. The changes are saved to transmitter PABE.   + MB3 click on transmitter PABE and select [Transmitter Status] 🡪 [Enable Transmitter]     - Click [Yes] to acknowledge the confirmation popup. The transmitter becomes ENABLED. * If there are NO available DAC Port # assigned to dac1, perform the following:   + Select any transmitter that is currently enabled and is assigned to dac1.     - MB3 click on the transmitter and select [Transmitter Status] 🡪 [Disable Transmitter].     - Click [Yes] to acknowledge the confirmation popup. The transmitter becomes DISABLED.   + MB3 click on the transmitter that was just disabled and select [Edit Transmitter…].     - In the Edit Transmitter dialog, note the DAC and DAC Port # that are currently assigned to the transmitter.     - Set the DAC and DAC Port # settings to None. Then click [Save]. This removes the assigned DAC and Port # from the transmitter.   + In the Transmitter Configuration dialog, MB3 click on transmitter PABE and select [Edit Transmitter…].     - In the Edit Transmitter dialog, set the DAC and DAC Port # parameters to dac1 and the available port from the just-disabled transmitter.     - Click [Save]. The changes are saved to transmitter PABE.   + MB3 click on transmitter PABE and select [Transmitter Status] 🡪 [Enable Transmitter]     - Click [Yes] to acknowledge the confirmation popup. The transmitter becomes ENABLED. | | |  |  | |
| Expected Result:  Transmitter PABE is enabled. | | |
|  | Close the Transmitter Configuration dialog. | The Transmitter Configuration dialog closes. | |  |  | |
|  | * On the BMH Menu select Transmitters 🡪 Broadcast Cycle… * In the Broadcast Cycle dialog, select transmitter PABE * Check the Monitor In-line checkbox | * The Broadcast Cycle dialog opens. * The PABE playlist broadcasts over the headphones or speaker. | |  | BMH0073 | |
|  | On the BMH Menu select Messages 🡪 Weather Messages… | The Weather Messages dialog opens. | |  |  | |
|  | In a terminal and execute the following commands:   * *ssh <bmh server px1 or px2>* * *cd /awips2/bmh/testSuite* * */bin/bash scenariosLauncher.sh* | | |  |  | |
| Expected Result:  The scenarioLauncher prompts you to select the automated test scenario from the provided lists. | | |
|  | In the scenarioLauncher enter ‘ALL’ at the prompt. | | |  |  | |
| Expected Result:  As each automated test scenario is executed, the following will occur:   * The canned data files are copied to a location to be ingested by BMH. * BMH EDEX processes the ingested data. * A display shows the expected results for the test scenario and where the results can be verified:   + CAVE/AlertViz messages.   + /awips2/edex/logs/edex-bmh-yyyymmdd.log * A prompt asks whether the expected results were successfully witnessed. | | |
|  | Answer the prompt by going to the provided location in a terminal and verifying the results.   * To view the EDEX or BMH logs, open a terminal and using a text editor such as vim, locate and review the identified file. * AlertViz logs will display either in the Alert Visualization dialog or on the AlertViz bar. | | |  |  | |
| Expected Result:   * Result as expected: Y (Yes) * Result was not as expected: N (No) | | |
|  | START OF THE TEST SCENARIOS AND THEIR EXPECTED RESULTS. | | |  | BMH0011 BMH0012 BMH0013 BMH0103 BMH0120 BMH0165 | |
| 1. Non-Warning Already Expired   Monitor AlertViz Popup Message Dialog | | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH – EXPIRED\_MSG\_NOT\_WARN failed to validate with transmission status: EXPIRED* | | |
|  | 1. Invalid Message Language   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0013 BMH0103 BMH0120 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_FORMAT failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 21:41:00,927 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=null, name=MSG\_INVALID\_LANGUAGE] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unhandled language:SUM* | | |
|  | 1. Invalid Message Format   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0164 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_FORMAT failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 21:41:00,927 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=null, name=MSG\_INVALID\_LANGUAGE] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unhandled language:SUM* | | |
|  | 1. Invalid Afosid   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0164 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_AFOSID failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 21:48:36,101 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=null, name=MSG\_INVALID\_AFOSID] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Invalid Afosid.* | | |
|  | 1. Invalid Creation Date   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0033 BMH0162 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_CREATION\_DATE failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 21:50:56,169 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_CREATION\_DATE] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Invalid Creation Date.* | | |
|  | 1. Invalid Effective Date   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0023 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_EFFECTIVE\_DATE failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 21:52:46,220 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageParser: INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_EFFECTIVE\_DATE failed to parse*  *java.text.ParseException: Invalid Effective Date.* | | |
|  | 1. Invalid Periodicity   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0034 BMH0035 BMH0036 BMH0037 BMH0038 BMH0054 BMH0055 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_PERIODICITY failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:19:51,793 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageParser: INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_PERIODICITY failed to parse*  *java.text.ParseException: Invalid Periodicity.* | | |
|  | 1. Invalid Message Active/Inactive Character   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0024 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_ACTIVE failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:24:06,917 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_ACTIVE] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unrecognized Active/Inactive Character: Z* | | |
|  | 1. Unrecognized Confirmation Character   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0026 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_CONFIRM failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:28:17,297 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_CONFIRM] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unrecognized Confirmation Character: W* | | |
|  | 1. Unrecognized Interrupt Character   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0027 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_INTERRUPT failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:29:37,340 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_INTERRUPT] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unrecognized Interrupt Flag Character: 6* | | |
|  | 1. Invalid Message Tone   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0028 BMH0121 BMH0162 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_TONE failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:31:02,385 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_TONE] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unrecognized Alert Tone Character: 6* | | |
|  | 1. Invalid Listening Area Codes   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0031 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_AREA\_CODES failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:31:57,422 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_AREA\_CODES] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Invalid Listening Area Codes.* | | |
|  | 1. Invalid Expiration Date   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0032 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_INVALID\_EXPIRE\_DATE failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:36:17,546 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=OMASVABAS, name=MSG\_INVALID\_EXPIRE\_DATE] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Invalid Expiration Date.* | | |
|  | 1. No End Message indicator   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0131 BMH0164 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_NO\_END failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 22:37:12,581 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=ANCHWWAFC, name=MSG\_NO\_END] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: No End Message indicator* | | |
|  | 1. Invalid Polygon Incomplete Vertex   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0030 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INVALID\_VERTICES failed to validate with transmission status: EXPIRED*  **edex-bmh-log:**  *ERROR 2015-03-19 22:37:57,619 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INVALID\_VERTICES failed to validate with transmission status: EXPIRED* | | |
|  | 1. Invalid Polygon > 20 Vertices   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0030 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_GT\_20\_VERTICES failed to validate with transmission status: EXPIRED*  **edex-bmh-log:**  *ERROR 2015-03-19 22:39:12,762 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_GT\_20\_VERTICES failed to validate with transmission status: EXPIRED* | | |
|  | 1. Valid Message Includes Polygon   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0030 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INCLUDES\_POLYGON failed to validate with transmission status: DUPLICATE*  **edex-bmh-log:**  *ERROR 2015-03-19 22:41:02,842 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INCLUDES\_POLYGON failed to validate with transmission status: DUPLICATE* | | |
|  | 1. Warning Already Expired   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0043 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - EXPIRED\_MSG\_WARN failed to validate with transmission status: EXPIRED*  **edex-bmh-log:**  *ERROR 2015-03-19 22:43:02,909 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - EXPIRED\_MSG\_WARN failed to validate with transmission status: EXPIRED* | | |
|  | 1. Valid Message Includes MRD   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0039 BMH0062 BMH0063 BMH0067 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INCLUDES\_MRD failed to validate with transmission status: DUPLICATE*  **edex-bmh-log:**  *ERROR 2015-03-19 22:44:28,057 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INCLUDES\_MRD failed to validate with transmission status: DUPLICATE* | | |
|  | 1. Valid Message Includes SAME Tones  * On BMH Menu dialog, select Messages 🡪 Weather Messages... 🡪 [Edit...] to open the Select Input Message dialog.   + Locate message ‘MSG\_INCLUDES\_SAME\_ONLY’ * Open pgadmin, select BMH px1 server and navigate to Databases 🡪 bmh 🡪 Schemas 🡪 bmh 🡪 Tables 🡪 input\_msg   + In the pgAdmin query dialog execute the following:   *select distinct \* from bmh.input\_msg where name='MSG\_INCLUDES\_SAME\_ONLY;*   * + Locate the nwrsametone column and note its contents | | |  | BMH0011 BMH0012 BMH0028 BMH0121 BMH0125 BMH0132 BMH0162 | |
| **BMH:**   * + Select Input Message dialog contains message MSG\_INCLUDES\_SAME\_ONLY   **pgadmin:**   * + The nwrsametone column has a 't' for TRUE | | |
|  | 1. Valid Message Includes Tones  * On BMH Menu dialog, select Messages 🡪 Weather Messages... 🡪 [Edit...] to open the Select Input Message dialog.   + Locate message ‘MSG\_INCLUDES\_TONES’ * Open pgadmin, select BMH px1 server and navigate to Databases 🡪 bmh 🡪 Schemas 🡪 bmh 🡪 Tables 🡪 input\_msg   + In the pgAdmin query dialog execute the following:   *select distinct \* from bmh.input\_msg where name='MSG\_INCLUDES\_TONES';*   * + Locate the nwrsametone column and note its contents | | |  | BMH0011 BMH0012 BMH0028 BMH0121 BMH0125 BMH0132 BMH0162 | |
| **BMH:**   * + Select Input Message dialog contains message MSG\_INCLUDES\_TONES   **pgadmin:**   * + The nwrsametone column has a 't' for TRUE | | |
|  | 1. Invalid Message Unacceptable Words   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0116 BMH0117 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INVALID\_UNACCEPTABLE(ANCTSAANC) failed to validate because it contains unacceptable words.*  **edex-bmh-log:**  *ERROR 2015-03-19 23:20:09,362 [Camel (clusteredBmhDirectoryScanner) thread #6 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INVALID\_UNACCEPTABLE(ANCTSAANC) failed to validate because it contains unacceptable words.* | | |
|  | 1. 1 GB Message   Monitor the edex-bmh-log. | | |  | BMH0131 BMH0165 | |
| Expected Result:  **edex-bmh-log:**  *WARN 2015-03-20 01:05:40,097 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] BMHLargeFileFilter: EXCESSIVE\_FILE\_SIZE: BMH - Incoming file: /awips2/bmh/data/nwr/ready/MSG\_LARGE\_FILE with size 1073741824 has been rejected and will not be processed.* | | |
|  | 1. Invalid Message Duplicate   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 BMH0068 BMH0069 BMH0165 BMH0263 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INCLUDES\_MRD failed to validate with transmission status: DUPLICATE*  **edex-bmh-log:**  *ERROR 2015-03-19 23:41:42,842 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - MSG\_INCLUDES\_MRD failed to validate with transmission status: DUPLICATE* | | |
|  | 1. Invalid Message Non-Numeric MRD   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0039 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_NON\_NUMERIC\_MRD failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 23:42:52,890 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=ANCRWTANC, name=MSG\_NON\_NUMERIC\_MRD] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: Unrecognized Active/Inactive Character: 2* | | |
|  | 1. No Start Message Indicator   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0131 BMH0164 BMH0165 | |
| Expected Result:  **AlertViz:**  *INPUT\_MESSAGE\_PARSE\_ERROR: BMH - MSG\_NO\_BEGIN failed to parse (Category was not found: INPUT\_MESSAGE\_PARSE\_ERROR)*  **edex-bmh-log:**  *ERROR 2015-03-19 23:44:22,938 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] MessageErrorLogger: Input Message Parser encountered a problem while MESSAGE\_PARSING for Message InputMessage [id=0, afosid=null, name=MSG\_NO\_BEGIN] on host dx4-olaf.oma.us.ray.com*  *java.text.ParseException: No Start Message Indicator.* | | |
|  | 1. Non-Warning Trigger Already Expired   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0043 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - EXPIRED\_TRIGGER\_NOT\_WARN failed to validate with transmission status: EXPIRED*  **edex-bmh-log:**  *ERROR 2015-03-19 23:45:13,046 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - EXPIRED\_TRIGGER\_NOT\_WARN failed to validate with transmission status: EXPIRED* | | |
|  | 1. Warning Trigger Already Expired   Monitor AlertViz and the edex-bmh-log. | | |  | BMH0011 BMH0012 BMH0043 BMH0165 | |
| Expected Result:  **AlertViz:**  *MESSAGE\_VALIDATION\_FAILED: BMH - EXPIRED\_TRIGGER\_WARN failed to validate with transmission status: EXPIRED*  **edex-bmh-log:**  *ERROR 2015-03-19 23:46:08,127 [Camel (clusteredBmhDirectoryScanner) thread #7 - file:///awips2/bmh/data/nwr/ready] InputMessageValidator: MESSAGE\_VALIDATION\_FAILED: BMH - EXPIRED\_TRIGGER\_WARN failed to validate with transmission status: EXPIRED* | | |
|  | 1. Valid Message 9s Expiration  * On BMH Menu dialog, select Messages 🡪 Weather Messages... 🡪 [Edit...] to open the Select Input Message dialog.   + Locate message ‘MSG\_EXPIRES\_9’ * Open pgadmin, select BMH px1 server and navigate to Databases 🡪 bmh 🡪 Schemas 🡪 bmh 🡪 Tables 🡪 input\_msg   + In the pgAdmin query dialog execute the following:   *select distinct \* from bmh.input\_msg where name='MSG\_EXPIRES\_9';*   * + *Locate the expirationtime* *column and note its contents* | | |  | BMH0011 BMH0012 BMH0043 | |
| Expected Result:  **BMH:**   * + Select Input Message dialog contains message MSG\_MSG\_EXPIRES\_9   **pgAdmin:**   * + The expirationtime column is blank to indicate the message never expires. | | |
|  | 1. Trigger High Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0178 BMH1263 | |
| Expected Result:  **BMH:**  Broadcast Cycle dialog triggers to HIGH suite. Message Name: trigger\_high | | |
|  | 1. Trigger Exclusive Scenario | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0178 BMH1263 | |
| BMH:  Broadcast Cycle dialog triggers to EXCLUSIVE suite. Message Name: trigger\_exclusive | | |
|  | 1. Identity Replace Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0062 BMH0065 BMH0066 BMH0068 BMH0069 | |
| Expected Result:  **BMH:**   * Broadcast Cycle dialog broadcasts a new public information message 'general' in GENERAL playlist. * Message 'general' is replaced by message named ''identify\_replace' | | |
|  | 1. MAT Replace Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0066 BMH0068 BMH0181 BMH0209 | |
| Expected Result:  **BMH:**   * Broadcast Cycle dialog broadcasts a new GENERAL playlist MAT message 'mat\_message'. * Message 'mat\_message' is replaced by message named ''mat\_replace' and the MessageID column is blue. | | |
|  | 1. MRD Replace Scenario | | |  | BMH0039 BMH0062 BMH0063 BMH0064 BMH0065 BMH0066 BMH0067 | |
| Expected Result:  **BMH:**   * Broadcast Cycle dialog broadcasts a new GENERAL playlist MRD message 'mrd\_message'. * Message 'mrd\_message' is replaced by message named ''mrd\_replace' and the MessageID column is blue. | | |
|  | 1. MAT Double Replace Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0066 BMH0068 BMH0181 BMH0209 | |
| Expected Result:  **BMH:**   * Broadcast Cycle dialog list shows GENERAL playlist lists two MAT messages: mat\_message and mat\_message2 * Broadcast Cycle dialog list shows GENERAL playlist lists two MAT messages: 'mat\_message' and 'mat\_message2' replaced by 'mat\_replace' * MessageID column is blue. | | |
|  | 1. Trigger Exclusive Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0178 BMH1263 | |
| Expected Result:  **BMH:**   * Broadcast Cycle dialog triggers to EXCLUSIVE suite. Message Name: trigger\_exclusive * The EXCLUSIVE suite should play until the message named trigger\_exclusive expires. * Then it should fall back to the HIGH playlist until the message named trigger\_high expires. | | |
|  | 1. Interrupt Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0027 BMH0056 BMH0057 BMH0094 BMH0165 BMH0244 | |
| Expected Result:  **BMH:**  Broadcast Cycle dialog triggers to INTERRUPT suite with message named ‘interrupt’ | | |
|  | 1. Interrupt an Interrupt Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0027 BMH0056 BMH0057 BMH0059 BMH0060 BMH0061 BMH0072 BMH0094 BMH0165 BMH0244 | |
| Expected Result:  **BMH:**  Broadcast Cycle dialog triggers to INTERRUPT suite. Message Name: 'interrupt'. Immediately after it plays a second interrupt named 'interrupt2' should play | | |
|  | 1. Future Interrupt Scenario   Monitor the Broadcast Cycle dialog for two minutes. | | |  | BMH0027 BMH0056 BMH0057 BMH0059 BMH0060 BMH0061 BMH0072 BMH0094 BMH0165 BMH0244 | |
| Expected Result:  **BMH:**  An INTERRUPT message 'interrupt' will plays as an interrupt. | | |
|  | 1. Future Trigger Scenario   Monitor the Broadcast Cycle dialog for two minutes. | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0072 BMH0178 BMH1263 | |
| Expected Result:  **BMH:**  A message named 'high\_trigger' changes suite to HIGH when it is broadcast. | | |
|  | 1. No Trigger Exclusive Scenario  * Stage 1: Monitor the Broadcast Cycle dialog for at least one minute. * Stage 2: Continue monitoring the Broadcast Cycle dialog until an exclusive suite starts broadcasting with at least two messages named 'trigger\_exclusive' and 'notrigger\_exclusive' | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0072 BMH0073 BMH0178 BMH1263 | |
| Expected Result:  **BMH:**   * Stage 1: No EXCLUSIVE trigger message is broadcast. * Stage 2: Exclusive suite starts playing with at least two messages named 'trigger\_exclusive' and 'notrigger\_exclusive' | | |
|  | 1. Periodic Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0016 BMH0034 BMH0035 BMH0036 BMH0038 BMH0054 BMH0055 BMH0072 BMH0165 | |
| Expected Result:  **BMH:**  Broadcast Cycle dialog plays a GENERAL message (general) with a periodic Special Weather Statement message (periodic) periodically being broadcast every 2 minutes. | | |
|  | 1. Six Triggers Scenario   Monitor the Broadcast Cycle dialog. | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0072 BMH0178 BMH1263 | |
| Expected Result:  **BMH:**   * A High suite will trigger. * After a minute a second high suite will trigger. Then a third high suite. * A series of three exclusive suites will trigger in a similar progression. * Then each suite will expire and should fall back to the previous suite. | | |
|  | 1. Trigger Now And Later Scenario (this test could take 10 minutes to complete)  * Monitor the Broadcast Cycle dialog for 3 minutes for Stage 1. * Monitor the Broadcast Cycle dialog for 3 minutes for Stage 2. * Monitor the Broadcast Cycle dialog for 3 minutes for Stage 3. | | |  | BMH0041 BMH0042 BMH0043 BMH0044 BMH0053 BMH0058 BMH0070 BMH0178 BMH1263 | |
| Expected Result:  **BMH:**   * Stage 1: A message has been created named trigger\_high, this message should cause a high suite to play. * Stage 2: The test resumes after the 3 minutes have passed. Continue monitoring Broadcast Cycle dialog for 2 minutes. * Stage 3: After Stage 2 completes, a second message named trigger\_high should cause a high suite to trigger after 2 minutes. | | |
|  | 1. General Ordered Scenario   Monitor the Broadcast Cycle dialog GENERAL suite. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0053 BMH0054 BMH0055 BMH0072 BMH0164 BMH0165 | |
| Expected Result:  **BMH:**  The general suite will play five messages with names containing a number (general1, general2, general3, general4, general5). The messages should play in numerical order. | | |
|  | 1. General Reversed Scenario   Monitor the Broadcast Cycle dialog GENERAL suite. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0053 BMH0054 BMH0055 BMH0072 BMH0164 BMH0165 | |
| Expected Result:  **BMH:**  The general suite will play five messages with names containing a number (neral1, general2, general3, general4, general5). The messages will enter the system out of ordered but are scheduled to play in numerical order in the playlist. | | |
|  | 1. General Unordered Scenario   Monitor the Broadcast Cycle dialog GENERAL suite. | | |  | BMH0009 BMH0010 BMH0011 BMH0012 BMH0014 BMH0053 BMH0054 BMH0055 BMH0072 BMH0164 BMH0165 | |
| Expected Result:  **BMH:**   * The general suite will play five messages with names containing a number (general1, general2, general3, general4, general5). * The messages play in numerical order in the playlist. | | |
| END OF THE TEST SCENARIOS AND THEIR EXPECTED RESULTS. | | |
|  | In a terminal and execute the following commands:   * *ssh <bmh server px1 or px2>* * *cd /awips2/bmh/testSuite* * */bin/bash scenariosLauncher.sh* | | |  |  | |
| Expected Result:  The scenarioLauncher prompts you to select the automated test scenario from the provided lists. | | |
|  | In the scenarioLauncher, at the prompt enter the number for any test you wish to repeat. Refer to the appropriate step from the Test Scenario section that was just completed. | | |  |  | |
| Expected Result:  The selected test scenario is individually executed. | | |
|  | After testing is completed, type \q to quit the scenario testing. | The scenario testing is completed. | |  |  | |
| * + - 1. Completion of BMH Automated Message Testing   This section initiates the BMH Automated Test Scenarios: | | | | | | |
|  | Close all terminal windows. | All terminal windows close. | |  |  | |
|  | Close all BMH dialogs. | All BMH dialogs close. | |  |  | |
|  | END OF TEST |  | |  |  | |
|  | | | | | | |
|  | | | | | | |

1. Requirements verification traceability matrix (RVTM)

If requirements are attached to the test cases, then maintain them together.

The requirements contain in the BMH Requirement Verification Traceability Matrix were extracted from the National Weather Radio (NWR) Broadcast Message Hander (BMH) Project Functional Requirements Document (FRD) for CRS2AWIPS, Version 1.0, dated 20 Nov 2013.

Requirement “shall” statements were extracted from each paragraph in the document in sequential order. For ease of quick identification, each requirement statement was then assigned a BMH requirement ID having the form BMHxxxx.

The requirements listed in this table are those which fall, either fully or partially, within the scope of this effort. Requirements which have been deleted or which do not fall within the scope of this effort will not be contained in this list. Requirements or requirements areas which do not fall within the scope of this effort are described below:

* **Security and Privacy Requirements.** With one exception, requirements which pertain to Security and Privacy issues are not contained in this list. NWR BMH is built on baseline AWIPS / AWIPS II hardware and software and will inherit security and privacy features as supported by the current baseline. No enhancements of the baseline security and privacy capabilities are included in this work assignment. NWR BMH software, as described in the Raytheon architecture, is not exposed to external interfaces except as part of standard AWIPS interfaces (e.g. LDAD). Physical and other protective measures (e.g. securing of communications links, use of cryptography, session authenticity, use of monitoring tools, etc.) are out of scope of this work assignment. Operator security functions are not included in AWIPS II BMH dialogs. Flaw remediation, is supported via standard AWIPS processes and release schedules.
* **Functional Requirements.** Functional requirements that will not be implemented beyond the capabilities or functionalities currently supported by the AWIPS II system will not be contained in this list. These include requirements which require additional capabilities and/or equipment which fall outside the scope of this work assignment.

**Table 2 – Requirements Verification Traceability Matrix (RVTM)**

| **Rqmt ID** | **FRD Section** | **Title** | **Requirement** | **Test Step** |
| --- | --- | --- | --- | --- |
|  | **5.1.** | **General NWR-BMH Functional Requirements** | | |
| BMH0001 | 5.1.1.a | Open Standards | NWR-BMH shall endeavor to make use of open source standards-based, non-proprietary, data processing, management, and dissemination technologies to the maximum extent possible. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0002 | 5.1.1.b | Open Standards | If a COTS product is used, WRIP-2 shall have appropriate data rights and use agreements to ensure smooth transition and continuity of service, and to facilitate the government’s ability to expand, enhance, modify, and/or support the WRIP-2 system. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0003 | 5.1.2. | Operability | NWR-BMH operability shall be user friendly, menu driven, and require a fairly short learning curve. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0004 | 5.1.3. | Reliability | NWR-BMH shall meet the required reliability of distribution of watches and warnings in accordance with underlying systems such as AWIPS and OPSnet. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0005 | 5.1.4.a | Scalability | NWR-BMH system shall be cost-effectively scalable to accommodate network growth. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0006 | 5.1.4.b | Scalability | NWR-BMH system shall be cost-effectively scalable to accommodate future increases in data traffic. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0007 | 5.1.4.c | Scalability | NWR-BMH shall be cost-effectively scalable to accommodate future dissemination service expansion. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0008 | 5.1.5. | Addressability | NOAA Weather Radio (NWR) data shall be addressable such that it is distributed only to the appropriate end users and/or stations. | Achievement of this requirement is inherent in the AWIPS II design. |
|  | 5.2. | NWR-BMH Functional Requirements | | |
| BMH0009 | 5.2.1. | Input Interface | NWR-BMH shall be capable of accepting messages in the CRS message format from the AWIPS NWRWAVE application to support the automated audio (synthesized or digitized voice) broadcast through NWR transmitter stations. | 840, 841, 842, 845, 1854, 1855, 1865, 1877, 1896, 1897, 1898 |
|  | 5.2.2.1. | Input Message Handler | | |
| BMH0010 | 5.2.2.1.2. | Message Input Formats | NWR-BMH shall accept and recognize messages and their attributes in the WRIP CRS Message format. | 840, 841, 842, 845, 1854, 1855, 1865, 1877, 1896, 1897, 1898 |
| BMH0011 | 5.2.2.1.3.a | Message Validation | NWR-BMH shall determine if any incoming message is valid according to format and message type and expiration date/time. | 271, 481, 487, 534, **Error! Reference source not found.**, 615, 616, 840, 841, 842, 845, 981, **Error! Reference source not found.**, 995, 1154, 1156, 1159, 1165, 1176, 1182, 1188, 1191, 1196, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1631, 1664, 1666, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1875, 1876, 1877, 1878, 1879, 1880, 1896, 1897, 1898 |
| BMH0012 | 5.2.2.1.3.b | Message Validation | Invalid messages shall be rejected and a warning issued to the NWR-BMH operator. | 840, 841, 842, 845, 1182, 1188, 1191, 1196, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1875, 1876, 1877, 1878, 1879, 1880, 1896, 1897, 1898 |
|  | 5.2.2.2. | Message Processing | | |
| BMH0013 | 5.2.2.2.2. | Message Format Attribute | NWR-BMH shall interpret the Message Format attribute and use that information to determine whether the message requires text-to-speech conversion, and if so, in what language (English or Spanish). | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, 572, 573, 574, 578, 579, 580, 584, 588, 589, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1852, 1853 |
| BMH0014 | 5.2.2.2.3.a | Message Type Attribute | NWR-BMH shall interpret the Message Type (in CCCNNNXXX format) attribute and use that information to determine if the message is a valid message type. | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 840, 841, 842, 845, 1854, 1855, 1865, 1877, 1896, 1897, 1898 |
| BMH0015 | 5.2.2.2.3.b | Message Type Attribute | NWR-BMH shall use the Message Type (in CCCNNNXXX format) attribute to perform message scheduling. | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 602, 1273 |
| BMH0016 | 5.2.2.2.3.1. | STATION\_ID Message Type Attribute | NWR-BMH shall support the concept of a STATION\_ID Message Type, which allows each unique NWR transmitter station to periodically broadcast the name and location of the NWR transmitter station. | 281, 283, 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1893 |
| BMH0017 | 5.2.2.2.3.2.a | TIME Message Type Attribute | NWR-BMH shall support the concept of a TIME Message Type, which allows each NWR transmitter station to broadcast the current local time. | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.** |
| BMH0018 | 5.2.2.2.3.2.b | TIME Message Type Attribute | The time shall be derived from the NWR-BMH synchronized time source (see Section 5.2.6.4.). | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1057, 1058, 1059, 1060 |
| BMH0019 | 5.2.2.2.3.2.c | TIME Message Type Attribute | The broadcast time message shall be limited to the hour (AM or PM local time), minutes, and local time zone (standard or daylight savings where applicable). | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1057, 1058, 1059, 1060 |
| BMH0020 | 5.2.2.2.3.2.d | TIME Message Type Attribute | The time shall reflect the time zone and daylight savings characteristics of the transmitter. | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1057, 1058, 1059, 1060 |
| BMH0021 | 5.2.2.2.3.2.e | TIME Message Type Attribute | The broadcast time message shall not include seconds. | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1057, 1058, 1059, 1060 |
| BMH0022 | 5.2.2.2.3.2.f | TIME Message Type Attribute | The broadcast time message format shall allow for user defined surrounding text. | 406, 407, 408, 410, 412, 414, 417, 418, 420, 422, 424, 425, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1040, 1043 |
| BMH0023 | 5.2.2.2.4. | Effective Date/Time Attribute | NWR-BMH shall interpret the Effective Date/Time attribute to determine the earliest time which the message can be output. No message can be broadcast by the NWR-BMH before its Effective Date/Time. | 481, 487, 534, 981, **Error! Reference source not found.**, 995, 1156, 1159, 1165, 1166, 1176, 1182, 1, 1631, 1664, 1666, 1857 |
| BMH0024 | 5.2.2.2.5. | Active/Inactive Attribute | NWR-BMH shall interpret the Active/Inactive attribute and process that message as defined in RD2. | 981, 995, 1156, 1159, 1182, 1, 1859 |
| BMH0025 | 5.2.2.2.6. | Delete/Save Attribute | NWR-BMH shall read the Delete/Save attribute, ignore it, and retain the message in the database for a default of 30 days. | 843, 844, 846, 847 |
| BMH0026 | 5.2.2.2.7. | Message Confirmation Attribute | NWR-BMH shall interpret the Message Confirmation attribute to determine whether or not the NWR-BMH operator should be notified when the message has been transmitted.  The confirmation shall occur only on the first transmission of the message. | 981, 984, 995, 998, 1156, 1159, 1166, 1182, 1215, 1216, 1220, 1227, 1232, 1, 1244, 1, 1, 1860 |
| BMH0027 | 5.2.2.2.8. | Interrupt Flag Attribute | NWR-BMH shall interpret the Interrupt Flag attribute to determine whether or not the message is an Interrupt Message. | 426, 427, 916, 918, 920, 922, 981, 995, 1156, 1159, 1182, 1273, 1279, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1861, 1888, 1889, 1890 |
| BMH0028 | 5.2.2.2.9.a | Alert Tone Attribute | NWR-BMH shall interpret the Alert Tone attribute to determine whether or not an alert and/or NWRSAME tone should be transmitted prior to the first broadcast of the message. | 916, 918, 920, 922, 1862, 1871, 1872 |
| BMH0029 | 5.2.2.2.9.b | Alert Tone Attribute | NWR-BMH shall truncate the number of counties in the NWRSAME header to 31. | 975, 977, 978, 982, 987, 988, 991, 992, 995, 1001, 1003, 1004, 1005 |
| BMH0030 | 5.2.2.2.10. | Polygon Information Attribute | NWR-BMH shall read the Polygon Information if it is provided and discard it. | 1365, 1368, 1369, 1370, 1371, 1373, 1374, 1375, 1376, 1378, 1379, 1380, 1381, 1383, 1384, 1385, 1866, 1867, 1868 |
| BMH0031 | 5.2.2.2.11. | Listening Area Codes Attribute | NWR-BMH shall interpret the Listening Area Codes attribute to determine which transmitters are in the geographical area covered by the message (using the geographical mapping between transmitters and geo-locations that exists in the system). | 131, **Error! Reference source not found.**, **Error! Reference source not found.**, 1006, 1167, 1176, 1863 |
| BMH0032 | 5.2.2.2.12. | Expiration Date/Time Attribute | NWR-BMH shall interpret the Expiration Date/Time attribute to determine the time after which the NWR-BMH should no longer broadcast the message. | 981, 995, 1154, 1156, 1159, 1165, 1182, 1, 1864 |
| BMH0033 | 5.2.2.2.13. | Creation Date/Time Attribute | NWR-BMH shall interpret the Creation Date/Time attribute to determine the time at which the message was created. | 981, 995, 1156, 1159, 1182, 1, 1856 |
| BMH0034 | 5.2.2.2.14.a | Messages Periodicity Attribute | The message periodicity attribute on an incoming message shall be interpreted as Time based – Effective Periodicity. | 981, 995, 1156, 1159, 1182, 1, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1858, 1893 |
| BMH0035 | 5.2.2.2.14.b | Messages Periodicity Attribute | If the periodicity attribute is not present in the received message, periodicity shall be derived from the associated Message Type configuration if present. | 981, 995, 1156, 1159, 1182, 1, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1858, 1893 |
| BMH0036 | 5.2.2.2.14.c | Messages Periodicity Attribute | For operator created messages, the periodicity from the associated Message Type configuration shall serve as the default. | 1156, 1182, 1, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1858, 1893 |
| BMH0037 | 5.2.2.2.14.d | Messages Periodicity Attribute | The operator shall have the ability to change these defaults for each current message instance. | 1156, 1182, 1, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1858 |
| BMH0038 | 5.2.2.2.14.e | Messages Periodicity Attribute | NWR-BMH shall schedule messages to repeat according to the Message Periodicity attribute and the associated Message Type Message Periodicity configuration information. | 1156, 1182, 1, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1858, 1893 |
| BMH0039 | 5.2.2.2.15 | Message Reference Descriptor Attribute | NWR-BMH shall interpret the Message Reference Descriptor (MRD), which is used to uniquely define each message. | 224, 226, 252, 253, 254, 259, 260, 1188, 1191, **Error! Reference source not found.**, 1335, 1336, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1358, 1359, 1360, 1870, 1875, 1876, 1885 |
|  | 5.2.2.3. | Message Scheduling | | |
| BMH0040 | 5.2.2.3.1.a | Broadcast Program Operational Concept | The NWR-BMH shall support the operational concept of the Broadcast Program as illustrated in Figure 2. | 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, **Error! Reference source not found.**, 332, 353, 354, 355, 357, 358, 368 |
| BMH0041 | 5.2.2.3.1.b | Broadcast Program Operational Concept | The lowest level suite, the General suite, shall be the default suite used by the NWR-BMH to build the broadcast cycle when no trigger messages are active. | 375, 376, 378, 379, 380, 381, 382, 383, 385, 387, 388, 389, 391, 392, 393, 394, 399, 400, **Error! Reference source not found.**, 403, 404, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0042 | 5.2.2.3.1.c | Broadcast Program Operational Concept | When a trigger message becomes active in the system, the current broadcast suite shall be suspended and the broadcast suite corresponding to the trigger message shall become current. | **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0043 | 5.2.2.3.1.d | Broadcast Program Operational Concept | That broadcast suite shall continue to be used by the NWR-BMH to build the broadcast cycle until the trigger message expires. | **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, 1869, 1878, 1879, 1880, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0044 | 5.2.2.3.1.e | Broadcast Program Operational Concept | Upon expiration of the trigger message, the system shall revert to the next highest level broadcast suite, and restart that broadcast cycle being interrupted from the beginning. | **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0045 | 5.2.2.3.2.a | Broadcast Program | NWR-BMH shall allow a NWR-BMH operator to develop and store unique Broadcast Program scheduling rules for each NWR transmitter station. | 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, **Error! Reference source not found.**, 332, 353, 354, 355, 357, 358 |
| BMH0046 | 5.2.2.3.2.b | Broadcast Program | The system shall maintain an authorization database which defines which NWR transmitter stations can be modified by which NWR-BMH operator. | 3, 4, 9, 11, 12, 13, 15, 17, 18, 19, 21, 23, 24, **Error! Reference source not found.**, 25, 27 |
| BMH0047 | 5.2.2.3.2.c | Broadcast Program | The authorization database shall be configurable to support the service backup operation. | 3, 4, 9, 11, 12, 13, 15, 17, 18, 19, 21, 23, 24, **Error! Reference source not found.**, 25, 27 |
| BMH0048 | 5.2.2.3.2.1.a | Broadcast Suites | NWR-BMH shall support the concept of broadcast suites. | 1452, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0049 | 5.2.2.3.2.1.b | Broadcast Suites | Broadcast suite definitions shall include messages types, broadcast sequence of messages, trigger messages, and a logical name for the suite. | 375, 376, 378, 379, 380, 381, 382, 383, 385, 387, 388, 391, 393, 394, 399, 400, **Error! Reference source not found.**, 403, 404, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1249, 1250, 1253, 1254, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1409, 1414, 1418,1421, **Error! Reference source not found.**, 1422, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0050 | 5.2.2.3.2.1.c | Broadcast Suites | NWR-BMH shall support a minimum of 3 levels of broadcast suites, such as “General”, “High”, and “Exclusive”. | 375, 376, 378, 379, 380, 381, 382, 383, 385, 387, 388, 391, 393, 394, 399, 400, **Error! Reference source not found.**, 403, 404, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1409, 1414, 1418,1421, **Error! Reference source not found.**, 1422, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0051 | 5.2.2.3.2.1.d | Broadcast Suites | The broadcast suites shall form a hierarchical method for building broadcast cycles depending on type and severity of active messages in the system. | 328, 330, 331, **Error! Reference source not found.**, 332, 355, 375, 376, 378, 379, 382, 383, 385, 387, 388, 389, 391, 392, 393, 394, 399, 403, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1409, 1414, 1418,1421, **Error! Reference source not found.**, 1422, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0052 | 5.2.2.3.2.1.e | Broadcast Suites | NWR-BMH shall provide office configurable options for managing multiple instances of active higher level suites. | 328, 330, 331, **Error! Reference source not found.**, 332, 375, 376, 378, 379, 380, 382, 383, 385, 387, 388, 391, 393, 394, 399, 400, **Error! Reference source not found.**, 403, 404, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1409, 1414, 1418,1421, **Error! Reference source not found.**, 1422, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0053 | 5.2.2.3.3. | Message Priority | NWR-BMH shall accommodate prioritization of messages through the use of Broadcast Suite and Trigger Message definitions. | 481, 487, 534, 602, 1249, 1250, 1253, 1254, **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1409, 1414, 1418,1421, **Error! Reference source not found.**, 1422, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1881, 1882, 1887, 1891, 1892, 1894, 1895, 1896, 1897, 1898 |
| BMH0054 | 5.2.2.3.4.a | Time Inserted Message Scheduling | NWR-BMH shall be able to schedule time-inserted messages based on the Message Periodicity Attribute and the Message Type Periodicity configuration. (See explanation in Section 5.2.2.2.14.). | 1182, 1858, 1888, 1895, 1896, 1897, 1898 |
| BMH0055 | 5.2.2.3.4.b | Time Inserted Message Scheduling | Time insertion shall be supported as a fixed time period based on the message effective time (e.g., “every 5 minutes beginning at the message effective time”). | 1182, 1858, 1888, 1895, 1896, 1897, 1898 |
| BMH0056 | 5.2.2.3.5.a | Interrupt Messages | NWR-BMH shall be able to process interrupt messages that, when received, shall immediately supersede the currently scheduled message according to an interrupt flag and priority defined by the Broadcast Suite definitions. | 1177, 1273, 1279, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1888, 1889, 1890 |
| BMH0057 | 5.2.2.3.5.b | Interrupt Messages | When the interrupt message is complete, the NWR-BMH shall resume the broadcast cycle in effect prior to receiving the interrupt message. | 251, 578, 584, **Error! Reference source not found.**, 862, 870, 890, 1177, 1, 1888, 1889, 1890 |
| BMH0058 | 5.2.2.3.5.c | Interrupt Messages | The NWR-BMH shall implement a new Broadcast Suite if the Interrupt Message is also a trigger for a higher category suite. | **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, 1279, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0059 | 5.2.2.3.5.1.a | Interrupt Messages Rules | An Interrupt Message shall not interrupt the output of another Interrupt Message. | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1889, 1890 |
| BMH0060 | 5.2.2.3.5.1.b | Interrupt Messages Rules | An Interrupt Message shall not interrupt the output of a watch or warning message that has not yet played at least once. | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1889, 1890 |
| BMH0061 | 5.2.2.3.5.1.c | Interrupt Messages Rules | An Interrupt Message shall not interrupt the output of an Emergency Override message. | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1889, 1890 |
|  | 5.2.2.3.6 | Message Replacement | | |
| BMH0062 | 5.2.2.3.6 | Message Replacement | Message replacement shall occur at message effective time. | 259, 1182, 1187, 1188, 1190, 1191, **Error! Reference source not found.**, 1, 1, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1358, 1359, 1360, 1870, 1875, 1883, 1885 |
| BMH0063 | 5.2.2.3.6.1.a | Message Reference Descriptor (MRD) | NWR-BMH shall replace existing messages in the Broadcast Cycle of a specific WFO with new incoming messages if the MRD attribute of the new message indicates that a message with a particular MRD be replaced (see RD2). | 252, 259, 1187, 1188, 1190, 1191, **Error! Reference source not found.**, 1, 1, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1358, 1359, 1360, 1870, 1875, 1885 |
| BMH0064 | 5.2.2.3.6.1.b | Message Reference Descriptor (MRD) | The MRD replacement capability shall be limited to those messages generated by the same WFO. | 252, 259, 1188, 1191, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1358, 1359, 1360, 1875, 1885 |
| BMH0065 | 5.2.2.3.6.1.c | Message Reference Descriptor (MRD) | NWR-BMH shall replace all messages that contain the same 3-digit identifier if part of a MRD replace attribute for the same WFO. | 252, 259, 1188, 1191, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1358, 1359, 1360, 1875, 1883, 1885 |
| BMH0066 | 5.2.2.3.6.2.a | Message Association Table | NWR-BMH shall replace existing messages in the Broadcast Cycle with new incoming messages according to the Message Association Table, only if they have identical Listening Area Codes (LACs). | 252, 259, 1188, 1191, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1357, 1358, 1359, 1360, 1875, 1883, 1884, 1885, 1886 |
| BMH0067 | 5.2.2.3.6.2.b | Message Association Table | Message Association functionality shall not be allowed for incoming messages containing an MRD field. | 259, 1188, 1191, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1357, 1358, 1359, 1360, 1600, 1601, 1607, 1870, 1875, 1885 |
| BMH0068 | 5.2.2.3.6.3. | Identical Messages | NWR-BMH shall replace existing messages in the Broadcast Cycle with the new incoming messages if the following message attributes are identical: Message Type, LAC, and MRD. | 259, 1188, 1191, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1357, 1358, 1359, 1360, 1476, 1, 1, 1, 1875, 1883, 1884, 1886 |
| BMH0069 | 5.2.2.3.6.3. | Identical Messages | Identical message replacement shall be determined by the order in which the two messages are received, i.e. only the second message received shall be allowed to replace the first message received. | 259, 1188, 1191, 1339, 1341, 1342, 1343, 1344, 1346, 1347, 1358, 1359, 1360, 1476, 1, 1, 1, 1875, 1883 |
| BMH0070 | 5.2.2.3.7. | Trigger Messages | NWR-BMH shall accommodate Trigger Messages that serve to suspend the current broadcast suite and initiate a new broadcast suite. | **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0071 | 5.2.2.3.8. | Emergency Override Message | NWR-BMH shall accommodate Emergency Override messages that take precedence over all active messages in a station's broadcast program, including Trigger Messages. | 594, 596, 602, 604, 610, 613,**Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1 |
| BMH0072 | 5.2.2.3.9. | Broadcast Cycles | NWR-BMH shall support Broadcast Cycles consisting of repetitive sequences of messages continuously broadcast to NWR transmitter stations. | 1889, 1890, 1891, 1892, 1893, 1894, 1896, 1897, 1898 |
|  | 5.2.2.4. | Message and Live Voice Broadcast Management | | |
| BMH0073 | 5.2.2.4.1.a | Broadcast Output | NWR-BMH shall provide continuous, high quality speech output of weather and all hazard information to all NWR transmitter stations. | 104, 578, 584, 1414, 1421, **Error! Reference source not found.**, 1422, **Error! Reference source not found.Error! Reference source not found.Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1847, 1892 |
| BMH0074 | 5.2.2.4.1.b | Broadcast Output | NWR-BMH shall be configurable to control the generation of broadcast output for individual NWR transmitter stations or groups of stations based on various combinations of synthesized, live, and digitized speech. | **Error! Reference source not found.**, **Error! Reference source not found.**, 1265, 1266, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.** |
| BMH0075 | 5.2.2.4.1.c | Broadcast Output | NWR-BMH shall allow a single broadcast output to drive each NWR transmitter station or multiple NWR transmitter stations in a group as appropriate. | 31, 32, 34, 938, 939, 940, 941, 942, 943 |
| BMH0076 | 5.2.2.4.2. | Automatic Audio Level Control | NWR-BMH shall automatically control the audio level of the microphone output and the aggregate audio output to the NWR transmitter station to maintain the audio quality over the communication network to be used by the system. | 604, 606, 607, 608, 610, 612, 613, 619, 621, 622, 1, 1 |
| BMH0077 | 5.2.2.4.3. | Broadcast Modes: Normal Mode | NWR-BMH shall support Normal Mode in which input messages are converted to voice (synthesized voice) and local human voice inputs (digitized voice) are recorded and stored. | 482, 484, 488, 495, 496, 497, 498, 499, 500, 505, 536, 553, 690, 691, 1018, 1022, 1024, 1027, 1030, 1127, 1260, 1261 |
| BMH0078 | 5.2.2.4.4.a | Broadcast Modes: Emergency Override Mode | NWR-BMH shall support Emergency Override Mode in which the NWR-BMH operator can broadcast on the air, in near real-time, messages containing voice input via microphone. | 602, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.** |
| BMH0079 | 5.2.2.4.4.b | Broadcast Modes: Emergency Override Mode | The NWR-BMH operator shall be able to direct these messages to one, any combination of, or all NWR transmitter stations (subject to the particular NWR-BMH operator’s authorization). | 597, 602, 610, 616, 619, 626, 630, **Error! Reference source not found.**, **Error! Reference source not found.**, 1 |
| BMH0080 | 5.2.2.4.4.c | Broadcast Modes: Emergency Override Mode | All other automatic operations shall stay active during Emergency Override Mode including system logging. | 597, 602, 604, 622, 628 |
| BMH0081 | 5.2.2.4.4.d | Broadcast Modes: Emergency Override Mode | When entering Emergency Override Mode, NWR-BMH shall prompt the NWR-BMH operator to select the Message Type, Listening Area Codes and tones to be associated with the message. | 597, 602, 610, 616, 619, 626, 630, **Error! Reference source not found.**, **Error! Reference source not found.**, 1 |
| BMH0082 | 5.2.2.4.4.e | Broadcast Modes: Emergency Override Mode | To prevent inadvertent issuance of alert tones or SAME tones, the NWR-BMH operator shall be prompted to positively confirm that tones should be issued (through dialog box acknowledgement, re-entry of password, etc) whenever the Emergency Override Mode message would result in alert tones or SAME tones to be broadcast. | 527, 604, 612, 616, 621, 622, 630, 631, 887, 985, 999, 1158, 1163, 1172, 1184, 1189, 1192, 1263, 1, 1, 1, 1, 1669, 1670 |
| BMH0083 | 5.2.2.4.4.f | Broadcast Modes: Emergency Override Mode | Without the NWR-BMH operator receiving a positive confirmation, no alert tones or SAME tones shall be issued. | 527, 604, 612, 616, 621, 622, 630, 631, 887, 985, 999, 1158, 1163, 1172, 1184, 1189, 1192, 1263, 1, 1, 1, 1, 1669, 1670 |
| BMH0084 | 5.2.2.4.4.g | Broadcast Modes: Emergency Override Mode | When in Emergency Override Mode, NWR-BMH shall record the live voice broadcast as a digitized voice message. | 613, 614, 615, 616, 621, 622, 623, 625, 626, 628, 629, 630, 631 |
| BMH0085 | 5.2.2.4.4.h | Broadcast Modes: Emergency Override Mode | When recording voice in Emergency Override Mode, NWR-BMH shall direct the digitized voice obtained to system storage. | 613, 614, 615, 616, 621, 622, 623, 625, 626, 628, 629, 630, 631 |
| BMH0086 | 5.2.2.4.4.i | Broadcast Modes: Emergency Override Mode | NWR-BMH system shall log messages and tones generated for each NWR transmitter station while in Emergency Override Mode. | 93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 390, 405, 433, 591, 740, 745, 842 |
| BMH0087 | 5.2.2.4.5.a | Broadcast Modes: Broadcast Live Mode | NWR-BMH shall support Broadcast Live Mode (“disc jockey mode”) in which an authorized user can broadcast live voice to any or all NWR transmitter stations administrated by the WFO or the WFO being backed up in real-time. | 606, 607, 608, 610, 612, 613, 619, 621, 622, 632, 1214, 1217, 1218, 1229, 1240, 1242, 1243, 1244, 1, 1 |
| BMH0088 | 5.2.2.4.5.b | Broadcast Modes: Broadcast Live Mode | NWR-BMH system shall suspend the current Broadcast Cycle for stations placed into Broadcast Live Mode. | 613, 622, 632, 1214, 1217, 1218, 1229, 1240, 1242, 1243, 1244 |
| BMH0089 | 5.2.2.4.5.c | Broadcast Modes: Broadcast Live Mode | The system shall resume the Broadcast Cycle when the system is returned to Normal Mode. | 477, 570, 575, 581, **Error! Reference source not found.**, 593, 603, 605, 1221, 1233, 1246, 1 |
| BMH0090 | 5.2.2.4.5.d | Broadcast Modes: Broadcast Live Mode | Upon entering Broadcast Live Mode, the system shall prompt the NWR-BMH operator to select the Listening Area Codes or NWR transmitter stations to receive the Live Broadcast. | 1167, 1176, 1211, 1212, 1 |
| BMH0091 | 5.2.2.4.5.e | Broadcast Modes: Broadcast Live Mode | Broadcast Live messages shall not be recorded. | 1224, 1237 |
| BMH0092 | 5.2.2.4.5.f | Broadcast Modes: Broadcast Live Mode | Alert tones and NWRSAME tones shall not be broadcast. | 1213, 1214, 1217, 1226, 1229, 1243, 1, 1 |
| BMH0093 | 5.2.2.4.5.g | Broadcast Modes: Broadcast Live Mode | NWR-BMH system shall log the start time and affected stations upon entering Broadcast Live mode. | 93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 390, 405, 433, 591, 740, 745, 840, 842, 1218 |
| BMH0094 | 5.2.2.4.5.h | Broadcast Modes: Broadcast Live Mode | In the event the system is in Broadcast Live Mode when a warning and/or interrupt message is due to be broadcast on any of the channels affected by the Broadcast Live Mode, an audible alarm shall be generated to the NWR-BMH operator. | 1, 1888, 1889, 1890 |
| BMH0095 | 5.2.2.4.5.i | Broadcast Modes: Broadcast Live Mode | The NWR-BMH operator shall have the option to terminate the live broadcast to allow the warning and/or interrupt message to be distributed. | 1233, 1 |
| BMH0096 | 5.2.2.4.7.a | Broadcast Modes: Operator Training and Practice Mode | NWR-BMH shall support Operator Training and Practice Mode in which NWR-BMH operators at any active Weather Forecast Office (WFO) / Weather Service Office (WSO) can use as a training and practice system. | 1594, 1599, 1600, 1601, 1602, 1636, 1638, 1833, 1834, 1835, 1836 |
| BMH0097 | 5.2.2.4.7.b | Broadcast Modes: Operator Training and Practice Mode | While in Operator Training and Practice mode, the system shall not send any of the training and practice associated output (including voice, alert tones, and NWRSAME tones) to any operational NWR transmitter stations for broadcast. | 1594, 1599, 1600, 1601, 1602, 1636, 1638, 1681, 1833, 1834, 1835, 1836 |
| BMH0098 | 5.2.2.4.7.c | Broadcast Modes: Operator Training and Practice Mode | All training and practice output shall direct to a pseudo NWR transmitter station which will then broadcast or play back the output only to the trainee. | 1594, 1599, 1600, 1601, 1602, 1636, 1638, 1833, 1834, 1835, 1836 |
| BMH0099 | 5.2.2.4.7.d | Broadcast Modes: Operator Training and Practice Mode | The Operator Training mode shall provide training and practice abilities to create text messages to broadcast in the Normal mode. | **Error! Reference source not found.**, 981, 982, 983, **Error! Reference source not found.**, 984, **Error! Reference source not found.**, 995, 996, 997, 998, 1136, 1137, 1140, 1141, 1143, 1144, 1145, 1146, 1147, 1156, 1158, 1159, 1165, 1176, 1182, 1184, 1215, 1216, 1220, 1227, 1232, 1244, 1263, 1, 1, 1, 1, 1, 1, 1594, 1599, 1600, 1601, 1602, 1625, 1626, 1627, 1628, 1629, 1631, 1636, 1638, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, **Error! Reference source not found.**, 1633, 1661, **Error! Reference source not found.**, 1662, 1664, 1666, 1669, 1672, 1833, 1834, 1835, 1836 |
| BMH0100 | 5.2.2.4.7.e | Broadcast Modes: Operator Training and Practice Mode | The Operator Training mode shall provide training and practice abilities to create voice messages to broadcast in the Emergency Override Mode. | **Error! Reference source not found.**, 981, 982, 983, **Error! Reference source not found.**, 984, **Error! Reference source not found.**, 995, 996, 997, 998, 1136, 1137, 1140, 1141, 1143, 1144, 1145, 1146, 1147, 1156, 1158, 1159, 1165, 1176, 1182, 1184, 1215, 1216, 1220, 1227, 1232, 1244, 1263, 1, 1, 1, 1, 1, 1, 1594, 1599, 1600, 1601, 1602, 1625, 1626, 1627, 1628, 1629, 1631, 1636, 1638, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, **Error! Reference source not found.**, 1633, 1661, **Error! Reference source not found.**, 1662, 1664, 1666, 1669, 1672, 1833, 1834, 1835, 1836 |
| BMH0101 | 5.2.2.4.7.f | Broadcast Modes: Operator Training and Practice Mode | The Operator Training mode shall provide training and practice abilities to produce live voice broadcasts in the Broadcast Live Mode. | 685, 686, 691, 1211, 1212, 1, 1599, 1600, 1601, 1602, 1594, 1636, 1638, 1673, 1674, 1678, 1679, 1833, 1834, 1835, 1836 |
|  | 5.2.2.5. | Voice Processing | | |
| BMH0102 | 5.2.2.5.1.a | Text-to-Speech Conversion | NWR-BMH shall provide a text-to-speech conversion function that creates high-quality, clear, understandable speech from text input files in the format defined in RD2. | 477, 489, 509, 570, 575, 581, **Error! Reference source not found.**, 593, 603, 605, 613, 622, 632, **Error! Reference source not found.**, 723, 735, 791, 875, 890, 904, **Error! Reference source not found.**, **Error! Reference source not found.**, 1030, **Error! Reference source not found.**, 1117, 1152, 1157, 1161, 1165, 1172, 1176, **Error! Reference source not found.**, 1187, 1215, 1216, 1220, 1227, 1232, 1244, 1, 1, 1, 1, 1, 1, 1, 1, 1610, 1624, 1631, 1657, 1664, 1667, 1672, 1701, 1730 |
| BMH0103 | 5.2.2.5.1.b | Text-to-Speech Conversion | NWR-BMH shall generate synthesized speech in a single voice (male or female) for each language provided. | 477, 489, 509, 570, 575, 581, **Error! Reference source not found.**, 593, 603, 605, 613, 622, 632, **Error! Reference source not found.**, 723, 735, 791, 875, 890, 904, **Error! Reference source not found.**, **Error! Reference source not found.**, 1030, **Error! Reference source not found.**, 1117, 1152, 1157, 1161, 1165, 1172, 1176, **Error! Reference source not found.**, 1187, 1215, 1216, 1220, 1227, 1232, 1244, 1, 1, 1, 1, 1, 1, 1, 1, 1610, 1624, 1631, 1657, 1664, 1667, 1672, 1701, 1730, 1852, 1853 |
| BMH0104 | 5.2.2.5.1.c | Text-to-Speech Conversion | NWR-BMH shall allow the operator to select the rate of speech, i.e. how many words per minute are spoken, for all voices provided. | 64, **Error! Reference source not found.**, 66, 80, 81, 82, 83, 84 |
| BMH0105 | 5.2.2.5.2.a | Audio Format | Audio messages shall be available in Government approved commercially available compressed audio and “.wav” formats to provide maximum flexibility for use outside NWR transmitter station broadcasts | 696, 712, 1089 |
| BMH0106 | 5.2.2.5.2.b | Audio Format | Any commercially available compressed audio format that is utilized shall be able to be automatically and transparently converted to .mp3 format. | 696, 712, 1089 |
| BMH0107 | 5.2.2.5.2.c | Audio Format | The system shall be cost-effectively scalable to accommodate future audio formats. | 696, 712, 1089 |
| BMH0108 | 5.2.2.5.2.d | Audio Format | Formats shall be made available to support local WFO dissemination systems, including but not limited to Interactive Voice Response (IVR) systems, Telephone voicemail systems. | 696, 712, 1089 |
| BMH0109 | 5.2.2.5.3.a | Silence Insertion | NWR-BMH shall insert one second of silence after each discrete message having non-null content. | 1187, 1, 1, 1672 |
| BMH0110 | 5.2.2.5.3.b | Silence Insertion | NWR-BMH shall produce no output for messages with null content and shall not insert the one second of silence. | 593, 594, 596, 602, 603, 604, 605, 606, 607, 608, 1, 1 |
| BMH0111 | 5.2.2.5.4.a | Phonetic Redefinition | NWR-BMH shall incorporate a phonetic redefinition function whereby NWR-BMH operators at each WFO can configure multiple pronunciation dictionaries, anticipated to be one per voice, to customize pronunciation of specific words by the voice synthesis subsystem. | 722, 727, 728, 729, 731, 732, 733, 1064, 1068, 1069, 1073, 1075, 1078, 1079, 1080, 1109 |
| BMH0112 | 5.2.2.5.4.b | Phonetic Redefinition | No manual reconfiguration of pronunciation dictionaries shall be required for system hardware or software upgrades. | 722, 723, 724, 725, 726, 727, 728, 729, 731, 732, 733, 735, 737, 738 |
| BMH0113 | 5.2.2.5.5.a | Substitution Dictionary | NWR-BMH shall incorporate a substitution dictionary at each WFO, which provides for replacement of certain alphanumeric strings with other alphanumeric strings. | 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 731, 732, 733, 734, 735, 737, 738, 743, 776, 787, 788, 789, 795, 797, 798, 799, 803, 826, 827, 828, 830, 831, 832, 833, 834, 1064, 1068, 1069, 1073, 1075, 1077, 1078, 1079, 1080, 1081, 1086, 1087, 1089, 1090, 1094, 1095, 1097, 1098, 1099, 1103, 1104, 1109 |
| BMH0114 | 5.2.2.5.5.b | Substitution Dictionary | NWR-BMH shall include a national dictionary of commonly pronounced weather terminology. | 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 731, 732, 733, 734, 735, 737, 738, 743, 776, 787, 788, 789, 795, 797, 798, 799, 803, 826, 827, 828, 830, 831, 832, 833, 834, 1064, 1073, 1077, 1078, 1079, 1080, 1081, 1086, 1087, 1089, 1090, 1094, 1095, 1097, 1098, 1099, 1103, 1104 |
| BMH0115 | 5.2.2.5.5.c | Substitution Dictionary | No manual reconfiguration of substitution dictionaries shall be required for system hardware or software upgrades. | 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 731, 732, 733, 734, 735, 737, 738, 743, 776, 787, 788, 789, 795, 797, 798, 799, 803, 826, 827, 828, 830, 831, 832, 833, 834, 1077, 1078, 1079, 1080, 1081 |
| BMH0116 | 5.2.2.5.6.a | Vocabulary Filter Function | NWR-BMH shall incorporate a vocabulary filter function that shall scan each message and compare words to a database of unacceptable words. | 1689, 1690, 1691, 1692, 1697, **Error! Reference source not found.**, 1703, 1704, 1706, 1709, 1712, 1713, 1714, 1717, 1726, **Error! Reference source not found.**, 1732, 1733, 1735, 1738, 1741, 1742, 1743, 1746, **Error! Reference source not found.**, 1873 |
| BMH0117 | 5.2.2.5.6.b | Vocabulary Filter Function | When an unacceptable word is detected, the NWR-BMH system shall prevent the subject message from being scheduled and broadcast and notify the NWR-BMH operator that the message requires editing. | 1689, 1690, 1691, 1692, 1697, **Error! Reference source not found.**, 1703, 1704, 1706, 1709, 1712, 1713, 1714, 1717, 1726, **Error! Reference source not found.**, 1732, 1733, 1735, 1738, 1741, 1742, 1743, 1746, **Error! Reference source not found.**, 1873 |
| BMH0118 | 5.2.2.5.7. | English Text Messages | NWR-BMH shall be able to generate synthesized English voice messages from English text messages. | 790, 791, 792, 793, 794, 803, 1038, 1039, 1040, 1041, 1042, 1043, 1046, 1055, 1056 |
| BMH0119 | 5.2.2.5.8. | Spanish Text Messages | NWR-BMH shall be able to generate synthesized Spanish voice messages from Spanish text messages. | 572, 573, 574, 578, 579, 580, 584, 588, 589, **Error! Reference source not found.**, 1038, 1039, 1040, 1041, 1042, 1043, 1046, 1055, 1056, 1064, 1068, 1069, 1073, 1075, 1077, 1078, 1079, 1080, 1086, 1087, 1089, 1090, 1094, 1095, 1097, 1098, 1099, 1103, 1109 |
| BMH0120 | 5.2.2.5.9. | Additional Language Support | The NWR-BMH design shall be sufficiently modular to allow for cost-effective upgrade to accommodate generation of synthesized voice messages from text messages in additional languages. | 572, 573, 574, 578, 579, 580, 584, 588, 589, **Error! Reference source not found.**, 718, 719, 720, 721, 722, 723, 725, 727, 728, 729, 731, 732, 733, 734, 737, 738, 1038, 1039, 1040, 1041, 1042, 1043, 1046, 1055, 1056, 1852, 1853 |
|  | 5.2.2.6. | Message and Live Voice Broadcast | | |
| BMH0121 | 5.2.2.6.1.a | Message Output Format | NWR-BMH output messages shall consist of a preface which can consist of any of: NWRSAME start of message tone, NWRSAME delay, Alert Tone; as defined in RD9. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013, 1862, 1871, 1872 |
| BMH0122 | 5.2.2.6.1.b | Message Output Format | NWR-BMH output messages shall consist of an audio message content (from text-to-speech synthesis, from the digital-to-analog conversion of previously stored voice input, or live voice broadcast); as defined in RD9. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0123 | 5.2.2.6.1.c | Message Output Format | NWR-BMH output messages shall consist of an End-of-Message NWRSAME tones, if required, as defined in RD9. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
|  | 5.2.2.6.4. | Tone and Code Support | | |
| BMH0124 | 5.2.2.6.4.1.a | NWRSAME Tone Generation | NWR-BMH shall be capable of generating NOAA Weather Radio Specific Area Message Encoding (NWRSAME) tones and codes of predefined characteristics for All Hazards alert messages and weather warning messages, as defined in RD1(g), and meet requirements of EAS encoding standards. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0125 | 5.2.2.6.4.1.b | NWRSAME Tone Generation | NWR-BMH shall deliver alert tones and/or NWRSAME tones for inclusion with all appropriate NWR broadcast messages. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0126 | 5.2.2.6.4.1.c | NWRSAME Tone Generation | NWR-BMH shall be capable of generating NWRSAME all hazards coded tones/messages, which shall precede and succeed the first output of a message to a particular station or group of stations. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0127 | 5.2.2.6.4.1.1.a | NWRSAME DMO Test Message | NWR-BMH shall provide the capability to generate a special test NWRSAME message using event code DMO. | 572, 573, 574, 578, 579, 580, 584, 588, 589, **Error! Reference source not found.** |
| BMH0128 | 5.2.2.6.4.1.1.b | NWRSAME DMO Test Message | NWR-BMH shall provide for the special “999000” test code format for generating the NWRSAME encoded geographical areas in the “DMO” test message. | 572, 573, 574, 578, 579, 580, 584, 588, 589, **Error! Reference source not found.** |
| BMH0129 | 5.2.2.6.4.1.2.a | NWRSAME Message Length Restriction | All NWRSAME encoded messages, except EAN messages, shall be limited to two minutes in duration. | 616, 626, 630, 631, 632, 633, 634, 1112, **Error! Reference source not found.**, 1120, 1128, 1129, **Error! Reference source not found.**, **Error! Reference source not found.** |
| BMH0130 | 5.2.2.6.4.1.2.b | NWRSAME Message Length Restriction | The two-minute restriction shall include only the synthesized speech generated from the text. | 616, 626, 630, 631, 632, 633, 634, 1112, **Error! Reference source not found.**, 1120, 1128, 1129, **Error! Reference source not found.**, **Error! Reference source not found.** |
| BMH0131 | 5.2.2.6.4.1.2.c | NWRSAME Message Length Restriction | When the broadcast of the message reaches the two minute limit, the NWR-BMH operator shall be alerted, the broadcast of the message shall be truncated, and the NWRSAME end tones shall be transmitted. | 633, 634, 1112, **Error! Reference source not found.**, 1120, 1128, 1129, 1865, 1874, 1877 |
| BMH0132 | 5.2.2.6.4.2. | Alert Tone Generation | NWR-BMH shall be capable of generating alert tones, as defined in RD1(g), for messages. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013, 1871, 1872 |
| BMH0133 | 5.2.2.6.4.3. | Tone Configuration | NWR-BMH shall allow NWR-BMH operators to configure whether NWRSAME and/or alert tones are played, individually for each tone, for specific message types at specific times. | 876, 879, 880, 881, 883, 885, 886, 887, 890, 892, 897, 899, 904, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0134 | 5.2.2.6.4.4.a | Tone Blackout Period | NWR-BMH shall have the ability to hold the tones (NWRSAME and 1050 Hz WAT) for certain long-fuse watch/warning messages issued during the middle of the night until daylight hours. | 913, 914, 916, 918, 920, 920, 922 |
| BMH0135 | 5.2.2.6.4.4.b | Tone Blackout Period | The specific terms of when and how this is done shall be locally configurable by NWR-BMH operator. | 913, 914, 916, 918, 920, 920, 922 |
| BMH0136 | 5.2.2.6.4.4.c | Tone Blackout Period | The tone blackout period capability shall be site configurable as part of the Message Type settings (see section 5.2.2.7.2.2.2). | 913, 914, 916, 918, 920, 920, 922 |
| BMH0137 | 5.2.2.6.4.4.d | Tone Blackout Period | The initial broadcast shall include only the message contents. | 913, 914, 916, 918, 920, 920, 922 |
| BMH0138 | 5.2.2.6.4.4.e | Tone Blackout Period | The tones shall be suppressed until the blackout period has expired, at which time the tones shall be played automatically. | 913, 914, 916, 918, 920, 920, 922 |
|  | 5.2.2.7.1.2. | Voice Record and Playback | | |
| BMH0139 | 5.2.2.7.1.2.1.a | Voice Message Creation | NWR-BMH shall allow NWR-BMH operators to create audio voice messages for subsequent dissemination. | 1018, 1022, 1024, 1030 |
| BMH0140 | 5.2.2.7.1.2.1.b | Voice Message Creation | When creating a voice message, the system shall allow the NWR-BMH operator to input required message and scheduling attributes for the message, including Message Type, Listening Area Codes, alert tones and NWRSAME tones. | 876, 879, 880, 883, 885, 892, 899, 1013, 1017, 1018, 1022, 1024 |
| BMH0141 | 5.2.2.7.1.2.1.c | Voice Message Creation | The display of operator selectable Listening Areas and Zones shall contain the Listening Area and Zone Names rather than the Listening Area and Zone Codes. | 131, 134, 136, 138, 145, 146, 156, 163, 168, 179, 187, 188, **Error! Reference source not found.**, 193, 1013, 1017 |
| BMH0142 | 5.2.2.7.1.2.1.d | Voice Message Creation | To prevent inadvertent issuance of alert tones or NWRSAME tones, the NWR-BMH operator shall be prompted to positively confirm that tones should be issued (through dialog box acknowledgement, re-entry of password, etc) for any NWR-BMH operator created message which will result in alert tones or NWRSAME tones to be broadcast. | 526, **Error! Reference source not found.**, 880, 887, 890, 892, 899, 986, 1000, 1027, 1028 |
| BMH0143 | 5.2.2.7.1.2.1.e | Voice Message Creation | No NWR-BMH operator created message shall be disseminated without this positive confirmation. | 526, **Error! Reference source not found.**, 887, 890, 892, 899, 986, 1000, 1027, 1028 |
| BMH0144 | 5.2.2.7.1.2.2.a | Voice Record Functions | NWR-BMH shall support the ability of a NWR-BMH operator to generate digitized voice messages by speaking into a microphone. | 1018, 1022, 1024 |
| BMH0145 | 5.2.2.7.1.2.2.b | Voice Record Functions | NWR-BMH shall support the ability of NWR-BMH operators to preview recorded voice messages and synthesized voice messages prior to scheduling them for broadcast. | 1018, 1022, 1024 |
| BMH0146 | 5.2.2.7.1.2.3.a | Voice Recording Support | NWR-BMH shall provide NWR-BMH operators with monitoring, display, and control functions required to support voice-recording sessions. | 604, 606, 607, 608, 610, 612, 619, 621, 1, 1, 1 |
| BMH0147 | 5.2.2.7.1.2.3.b | Voice Recording Support | Recording level control - the recording level shall be displayed in graphic logarithmic form. | 604, 606, 607, 608, 610, 612, 619, 621, 1, 1, 1 |
| BMH0148 | 5.2.2.7.1.2.3.c | Voice Recording Support | Recording time - the duration of digitally stored voice message shall be displayed, in minutes and seconds during recording. | 604, 606, 607, 608, 610, 612, 619, 621, 1, 1, 1 |
| BMH0149 | 5.2.2.7.1.2.3.d | Voice Recording Support | NWR-BMH operator inputs – required message and scheduling attributes for the voice recorded message shall be displayed, including alerts and alert messages for the message. | 604, 606, 607, 608, 610, 612, 619, 621, 1, 1, 1 |
| BMH0150 | 5.2.2.7.1.2.4 | Automatic Audio Level Control | NWR-BMH shall provide automatic audio level control for use when recording voice messages from a local microphone. | 497, 498, 604, 606, 612, 613, 621, 622, 631, 632, 1217, 1229, **Error! Reference source not found.**, **Error! Reference source not found.**, 1 |
| BMH0151 | 5.2.2.7.1.3. | Message Error Checking | NWR-BMH shall provide the NWR-BMH operator with automatic error monitoring and shall alert the NWR-BMH operator of errors including, but not limited to: - Messages requiring additional data in order to be transmitted - Errors in NWR-BMH operator entries resulting in invalid message data - Communications failures. | 1212, 1214, 1226, 1243 |
| BMH0152 | 5.2.2.7.1.4. | Audio Messages Export and Import | NWR-BMH shall be able to easily export and import individual audio messages consisting of either digitized voice or synthesized voice in “.wav”, and Government approved commercially available compressed audio formats. | 696, 697, 698, 706 |
| BMH0153 | 5.2.2.7.1.5. | Message Playback | NWR-BMH shall provide the option to playback audio content of weather and other messages prior to transmission to an NWR transmitter station. | 482, 484, 500, 1260, 1261 |
| BMH0154 | 5.2.2.7.1.6.a | Message Synthesis and Voice File Transfer | NWR-BMH shall support a file transfer function that allows a site NWR-BMH operator to transfer voice files from the NWR-BMH to external computer systems via the AWIPS LDAD (Local Data Acquisition and Dissemination) server (or whatever server is in place at the time). | **PARTIAL:** Security to be as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment |
| BMH0155 | 5.2.2.7.1.6.b | Message Synthesis and Voice File Transfer | NWR-BMH shall support a site configurable set of Message Types to be transferred. | **PARTIAL:** Security to be as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment.  This function can be used to support alternate means of disseminating audio messages to the public, including web servers (local or regional) and external user-accessed phone systems. |
| BMH0156 | 5.2.2.7.1.6.c | Message Synthesis and Voice File Transfer | The voice files transferred to external computer systems shall use the pronunciations from the local office that generated the message. | **PARTIAL:** Security to be as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment. |
| BMH0157 | 5.2.2.7.1.6.d | Message Synthesis and Voice File Transfer | The NWR-BMH system shall identify and authenticate specific devices before establishing a connection (RD15, NIST SP 800-53, IA-3). | **PARTIAL:** Security to be as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment. |
| BMH0158 | 5.2.2.7.1.7.a | Message Storage/Retrieval | NWR-BMH shall be capable of storing messages and files for future dissemination. | **PARTIAL:** Storage volume warning as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment. |
| BMH0159 | 5.2.2.7.1.7.b | Message Storage/Retrieval | Text and digitized voice (human voice recordings) messages shall be stored for a configurable period up to 30 days. | **PARTIAL:** Storage volume warning as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment. |
| BMH0160 | 5.2.2.7.1.7.c | Message Storage/Retrieval | NWR-BMH shall allow NWR-BMH operators to individually archive and restore text and audio messages. | **PARTIAL:** Storage volume warning as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment. |
| BMH0161 | 5.2.2.7.1.7.d | Message Storage/Retrieval | The NWR-BMH system shall provide a warning when allocated storage volume reaches the organization-defined percentage of maximum storage capacity; this function is to be configurable by the system administrator (RD15, NIST 800-53, AU-5). | **PARTIAL:** Storage volume warning as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment. |
| BMH0162 | 5.2.2.7.1.8.a | Message Log | NWR-BMH shall automatically create a message log to record all message activity. Activity to be logged includes: broadcast time of all messages, automatic or manual message replacement and creation, and activation and identification of all alert and NWRSAME and all hazards alerts/message tones. | 93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 1856, 1862, 1871, 1872 |
| BMH0163 | 5.2.2.7.1.8.b | Message Log | Log entries shall include date/time of activity or event, message identifier, appropriate station identification, and message expiration time if appropriate (RD15, NIST 800-53, AU-3). | 93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 271, 374, 387, 390, 405, 433, **Error! Reference source not found.**, 591, 615, 616, 740, 745, **Error! Reference source not found.**, **Error! Reference source not found.** |
| BMH0164 | 5.2.2.7.1.9.a | Error Log | NWR-BMH shall automatically create an error log to record all message errors and to capture sufficient information to establish what events occurred, the sources of the events, and the outcomes of the events. | **PARTIAL:** Error logging to be as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 390, 405, 433, 740, 745, 1368, 1370, 1373, 1375, 1378, 1380, 1383, 1385, 1854, 1855, 1865, 1877, 1896, 1897, 1898 |
| BMH0165 | 5.2.2.7.1.9.b | Error Log | Log entries shall include (RD15, NIST 800-53, AU-3): (i) date and time of the event when an error occurred (ii) message identifier (iii) the appropriate station identification and component of the information system (e.g., software component, hardware component) where the event occurred (iv) type of event or nature of error (v) subject identity (vi) the outcome (success or failure) of the event. | **PARTIAL:** Error logging to be as provided by existing AWIPS; no modifications or additional capabilities included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 390, 405, 433, 740, 745, 842, 1368, 1370, 1373, 1375, 1378, 1380, 1383, 1385, 1709, 1738, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1888, 1889, 1890, 1893, 1896, 1897, 1898 |
| BMH0166 | 5.2.2.7.1.10.a | Log Availability | NWR-BMH shall provide immediate access to the Message and Error logs through the NWR-BMH user interface to support review of message activity at any time and in particular after a severe weather event. The logs should be retained for a site configurable period of time up to 62 days. | **PARTIAL:** Logs available on servers as provided by AWIPS II framework, retention is configurable via config file; no changes or additional capabilities included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 390, 405, 433, 740, 745, 842, 1709, 1738 |
| BMH0167 | 5.2.2.7.1.10.b | Log Availability | The NWR-BMH system shall provide a warning when allocated storage volume reaches the organization-defined percentage of maximum storage capacity; this function is to be configurable by the system administrator (RD15, NIST 800-53, AU-5). | **PARTIAL:** Logs available on servers as provided by AWIPS II framework, retention is configurable via config file; no changes or additional capabilities included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 390, 405, 433, 740, 745, 842, 1709, 1738 |
| BMH0168 | 5.2.2.7.2.a | System Configuration | NWR-BMH shall maintain data consisting of all NWR transmitter station and WFO/WSO configuration data, broadcast programs, and all other required system information, as further defined below. | 34, 35, 36, 37, 40, 41, 43, 44, 45, 46, 47, 48, 49, 52, 55, 56, 58, 59, 61, 62, 63, 88, 90, 91, 93, 98 |
| BMH0169 | 5.2.2.7.2.b | System Configuration | This system shall allow the NWR-BMH operator to view and update the configuration information. | 34, 35, 36, 37, 40, 41, 43, 44, 45, 46, 47, 48, 49, 52, 55, 56, 58, 59, 61, 62, 63, 88, 90, 91, 93, 98 |
| BMH0170 | 5.2.2.7.2.1. | Broadcast Program Definition | NWR-BMH shall allow NWR-BMH operators to flexibly define Broadcast Programs for each NWR transmitter station. A Broadcast Program consists of Message Types and Broadcast Suites. | 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, **Error! Reference source not found.**, 332, 353, 354, 355, 357, 358, 368, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0171 | 5.2.2.7.2.2. | Message Types | NWR-BMH shall provide a method for NWR-BMH operators to define valid message types for each NWR transmitter station. | 393, 394, 399 |
| BMH0172 | 5.2.2.7.2.2.1.a | NWRSAME Originator Field | The Message Type capability shall support the configuration of a NWRSAME Originator Field. | 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0173 | 5.2.2.7.2.2.1.b | NWRSAME Originator Field | The NWRSAME Originator Field shall determine whether NWRSAME “ORG” encoding is set to “WXR” or “CIV”. | 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0174 | 5.2.2.7.2.2.2.a | Tone Generation Delay Field | The Message Type capability shall support the configuration of a Tone Generation Delay Field. | 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0175 | 5.2.2.7.2.2.2.b | Tone Generation Delay Field | The Tone Generation Delay Field shall establish the start/end times of the tone generation blackout period. | 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 1013 |
| BMH0176 | 5.2.2.7.2.2.3.a | Voice Type Field | The Message Type capability shall support the configuration of a Voice Type Field. | 408, 410, 412, 414, 426, 427, **Error! Reference source not found.** |
| BMH0177 | 5.2.2.7.2.2.3.b | Voice Type Field | The Voice Type Field shall determine whether the message is generated with the male or female voice. | 408, 410, 412, 414, 426, 427, **Error! Reference source not found.**, 696, 834 |
| BMH0178 | 5.2.2.7.2.3. | Broadcast Suites | NWR-BMH should provide a method for NWR-BMH administrators to define and edit Broadcast Suites. Broadcast Suites comprise lists of message types to be played in the suite, and the trigger message that initiates the suite. | 375, 376, 378, 379, 380, 381, 382, 383, 385, 387, 388, 389, 390, 391, 392, 393, 394, 399, 400, **Error! Reference source not found.**, 403, 404, 405, 426, 427, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826, 1881, 1882, 1887, 1891, 1892, 1894, 1895 |
| BMH0179 | 5.2.2.7.2.4. | Geographic Location Mapping | The NWR-BMH shall provide a means for NWR-BMH operators to define UGC (Universal Geographic Codes) to NWR transmitter station mapping (Reference RD1(b)). | 34, 35, 938, 939 |
| BMH0180 | 5.2.2.7.2.6. | NWR Transmitter Station Adding and Deleting | NWR-BMH shall provide the operator with the capability of adding new transmitter stations or deleting existing transmitter stations. | 34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 938, 939, 940, 941, 942, 943, 1811 |
| BMH0181 | 5.2.2.7.2.7. | Message Association Table | NWR-BMH shall support creation and configuration of a Message Association Table which defines which non-warning and non-watch Message Types are replaced by other non-warning and non-watch Message Types, but only if their Listening Area Codes are identical. | 450, 451, 452, 453, 454, 455, 458, **Error! Reference source not found.**, 466, 467, 1350, 1351, 1352, 1353, 1884, 1886 |
|  | 5.2.2.7.3. | System Status | | |
| BMH0182 | 5.2.2.7.3.1.a | Monitor and Control | NWR-BMH shall accept and report alarms and alerts from all BMH equipment and software modules inside AWIPS II and report these visibly and audibly to NWR-BMH system administrators. | 8, 31 |
| BMH0183 | 5.2.2.7.3.1.b | Monitor and Control | NWR-BMH shall accept and report alarms and alerts from **all local** BMH equipment and software modules inside AWIPS II and report these visibly and audibly to NWR-BMH operators at the local AWIPS terminal. | 848, 849, 851, 852, 853, 861, 864, 869 |
| BMH0184 | 5.2.2.7.3.2.a | Broadcast Monitoring | NWR-BMH shall provide a status display to the NWR-BMH operator for each output channel. | 31, 32 |
| BMH0185 | 5.2.2.7.3.2.b | Broadcast Monitoring | NWR-BMH status display shall include: 1. Graphical indication of channel status; 2. Current active messages; 3. Corresponding NWR transmitter station; 4. Broadcast cycle pending message queue and cycle time. | 8, 31, 224, 226, **Error! Reference source not found.** |
| BMH0186 | 5.2.2.7.3.3.a | Station Silence Alarm | NWR-BMH shall monitor and report NWR transmitter station silence alarms and other operational alarms for visible and audible reporting. | 848, 849, 851, 852, 853, 861, 864, 869 |
| BMH0187 | 5.2.2.7.3.3.b | Station Silence Alarm | NWR-BMH shall include silence detection and an alarm function that detects and reports absence of an audio signal for ten consecutive seconds on any NWR transmitter station output channel. | 848, 849, 851, 852, 853, 861, 864, 869 |
| BMH0188 | 5.2.2.7.3.3.c | Station Silence Alarm | The NWR-BMH operator shall be given override and reset capability for all NWR transmitter station output channels for use in Normal and Emergency Override Modes of operation. | 594, 596, 602, 848, 849, 851, 852, 853, 861, 864, 869, 1282, 1 |
| BMH0189 | 5.2.2.7.3.4. | Audio Level Output Control | NWR-BMH shall provide a standalone utility that allows the NWR maintenance technician to adjust the audio levels of the voice, alert tones, NWRSAME tones, and transmitter transfer tones that are output to each NWR transmitter. | 107, 108, 110, 114, 115, 119, 120, 124, 228, 229, 230 |
|  | 5.2.2.7.4. | System Administration | | |
| BMH0192 | 5.2.2.7.4.3.a | Ancillary Broadcast of Time | NWR-BMH shall provide accurate ancillary broadcast of local time. | 1057, 1058, 1059, 1060 |
| BMH0193 | 5.2.2.7.4.3.b | Ancillary Broadcast of Time | NWR-BMH shall provide multiple local times where broadcast areas contain multiple time zones. | 1057, 1058, 1059, 1060 |
| BMH0194 | 5.2.2.7.4.3.c | Ancillary Broadcast of Time | The broadcast time message shall be limited to the hour (AM or PM local time), minutes, and local time zone (standard or daylight savings where applicable). | 1057, 1058, 1059, 1060 |
| BMH0195 | 5.2.2.7.4.3.d | Ancillary Broadcast of Time | The broadcast time message shall not include seconds. | 1057, 1058, 1059, 1060 |
| BMH0196 | 5.2.2.7.4.4.a | System Log | NWR-BMH shall maintain a system log on a WFO/WSO basis that records system activity such as NWR-BMH operator actions, system configuration changes, network status/volume information, system (hardware and software) error and alarm messages, and other pertinent system events. | **PARTIAL:** NWR-BMH system log will record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. All other logging will be as currently provided by AWIPS system; no additional changes or enhancements are included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 842, 1004 |
| BMH0197 | 5.2.2.7.4.4.b | System Log | Log items shall be assigned a level, with a minimum of 5 severity levels, based on the severity of the event, action, or error. | **PARTIAL:** NWR-BMH system log will record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. All other logging will be as currently provided by AWIPS system; no additional changes or enhancements are included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 842, 1004 |
| BMH0198 | 5.2.2.7.4.4.c | System Log | The NWR-BMH System Log shall be filterable based on activity type and severity, with the ability to generate logs based on activity type and severity criteria. | **PARTIAL:** NWR-BMH system log will record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. All other logging will be as currently provided by AWIPS system; no additional changes or enhancements are included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 842, 1004 |
| BMH0199 | 5.2.2.7.4.4.d | System Log | The NWR-BMH System Log shall provide the ability to generate logs of security-related activities per guidance in NIST Special Publication 800-53, Recommended Security Controls for Federal Information Systems (RD15, NIST 800-53). | **PARTIAL:** NWR-BMH system log will record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. All other logging will be as currently provided by AWIPS system; no additional changes or enhancements are included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 842, 1004 |
| BMH0200 | 5.2.2.7.4.4.e | System Log | NWR-BMH System Log shall record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. | **PARTIAL:** NWR-BMH system log will record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. All other logging will be as currently provided by AWIPS system; no additional changes or enhancements are included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 842, 1004 |
| BMH0201 | 5.2.2.7.4.4.f | System Log | The System Log shall be available for a configurable period of up to 30 days. | **PARTIAL:** NWR-BMH system log will record changes in the broadcasting mode of each NWR transmitter station and indicate the contents of the suspended Broadcast Cycles during Normal Mode, Emergency Override Mode, and Broadcast Live Mode. All other logging will be as currently provided by AWIPS system; no additional changes or enhancements are included in this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 740, 745, 842, 1004 |
|  | 5.2.2.8. | User and NWR-BMH Operator Interfaces | | |
| BMH0205 | 5.2.2.8.1.a | Graphical User Interface (GUI) | NWR-BMH shall support a Graphical User Interface (GUI) to provide the NWR-BMH operator with user friendly, menu driven, interactive access to NWR-BMH functions. | 3, 8, 9, 12, 25, **Error! Reference source not found.**, 31, 34, 35, 36, 37, 40, 41, 44, 45, 46, 47, 48, 52, 55, 59, 88, 90, 107, 108, 110, 114, 115, 119, 120, 124, 131, 138, 145, 146, 156, 163, 168, 178, 179, 184, 185, 187, **Error! Reference source not found.**, 193, **Error! Reference source not found.**, **Error! Reference source not found.**, 197, 209, 210, **Error! Reference source not found.**, 211, 224, 226, 268, 270, 277, 321, 330, 331, **Error! Reference source not found.**, 332, 355, 357, 368, 375, 379, 382, 388, 391, 393, 403, 406, 417, 426, 430, 434, 436, 439, 441, 450, **Error! Reference source not found.**, 481, 487, 534, 567, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 602, 616, 626, 630, **Error! Reference source not found.**, 695, 718, 719, 721, 738, 743, **Error! Reference source not found.**, 777, 807, 808, 809, 810, 812, 814, 816, 817, 820, 821, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 938, 939, 940, 941, 942, 943, 973, **Error! Reference source not found.**, 1596, 1599, 1600, 1601, 1602, 1811, 1833, 1834, 1835, 1836 |
| BMH0206 | 5.2.2.8.1.b | Graphical User Interface (GUI) | NWR-BMH shall present the NWR-BMH operator with a responsive, intuitive GUI, which shall allow the NWR-BMH operators to perform system management without disturbing the continuous operation of the broadcast function. | 3, 8, 9, 12, 25, **Error! Reference source not found.**, 31, 34, 35, 36, 37, 40, 41, 44, 45, 46, 47, 48, 52, 55, 59, 88, 90, 107, 108, 110, 114, 115, 119, 120, 124, 131, 138, 145, 146, 156, 163, 168, 178, 179, 184, 185, 187, **Error! Reference source not found.**, 193, **Error! Reference source not found.**, **Error! Reference source not found.**, 197, 209, 210, **Error! Reference source not found.**, 211, 224, 226, 268, 270, 277, 321, 330, 331, **Error! Reference source not found.**, 332, 355, 357, 368, 375, 379, 382, 388, 391, 393, 403, 406, 417, 426, 430, 434, 436, 439, 441, 450, **Error! Reference source not found.**, 481, 487, 534, 567, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 602, 616, 626, 630, **Error! Reference source not found.**, 695, 718, 719, 721, 738, 743, **Error! Reference source not found.**, 777, 807, 808, 809, 810, 812, 814, 816, 817, 820, 821, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 938, 939, 940, 941, 942, 943, 973, **Error! Reference source not found.**, 1596, 1599, 1600, 1601, 1602, 1811, 1833, 1834, 1835, 1836 |
| BMH0207 | 5.2.2.8.2. | Section 508 Compliance | NWR-BMH shall conform to Section 508 [of the Rehabilitation Act of 1973] to the extent that AWIPS II conforms. | Achievement of this requirement is inherent in the AWIPS II design. |
|  | 5.2.2.8.3. | NWR-BMH Operator Functions | | |
| BMH0208 | 5.2.2.8.3.1. | Message Management | The NWR-BMH operator interface shall provide the following message management functions:  a) Create messages  b) Create, view and edit message components and attributes (station identifiers, etc.)  c) Create/record and broadcast Emergency Override Messages  d) Correct any errors that are contained in a message  e) Create and schedule alerts and all hazards alerts and messages for broadcast  f) Record a message  g) Archive a message | 522, 594, 596, 602, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 1282, 1 |
| BMH0209 | 5.2.2.8.3.2. | Broadcast Database Configuration | The NWR-BMH operator interface shall provide the following broadcast database configuration functions:  a) Define Message Types  b) Create Broadcast Suites  c) Create Broadcast Programs  d) Assign broadcast program to an NWR transmitter station or a playback channel  e) Configure NWR transmitter station related parameters such as call sign, frequency, etc.  f) Configure Listening Areas and Listening Zones (see Definitions in Section 4)  g) Create, view and edit Message Association Table  h) Modify Broadcast Program associated system tables  i) Modify Phonetic Redefinition for each voice per WFO  j) Modify Substitution Dictionary for each voice per WFO | 826, 827, 1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826, 1884, 1886 |
| BMH0210 | 5.2.2.8.3.3. | Operational Status | The NWR-BMH operator interface shall provide the following Operational Status functions:  a) Monitor Broadcast Cycles for each transmitter  b) Monitor the NWR-BMH output for each transmitter  c) Verify system data  d) View system reports | 8, 31 |
| BMH0212 | 5.2.2.9.a | General Audio and Data Broadcast | NWR-BMH shall make the audio output destined for any NWR transmitter station available for monitoring and redistribution. | 224, 226, 228, 229, 259, 260, 275, 695, 696, 697, 698, 706, 707, 710, 712 |
| BMH0213 | 5.2.2.9.b | General Audio and Data Broadcast | NWR-BMH shall make the data output destined for any NWR transmitter station available for monitoring and redistribution. | 224, 226, 228, 229, 259, 260, 275, 695, 696, 697, 698, 706, 707, 710, 712 |
| BMH0214 | 5.2.2.9.c | General Audio and Data Broadcast | NWR-BMH shall make individual audio messages generated by NWR-BMH available for monitoring and redistribution. | 224, 226, 228, 229, 259, 260, 275, 695, 696, 697, 698, 706, 707, 710, 712 |
|  | 5.2.3. | Dissemination Network | | |
| BMH0215 | 5.2.3.1.a | Distribution | NWR-BMH shall distribute NOAA Weather Radio (NWR) information to the network of NWR transmitter stations such that real-time voice can be transmitted from any or all NWR transmitter stations. | 594, 596, 616, 602, 604, 606, 607, 608, 610, 612, 613, 619, 621, 622, 626, 628, 630, 631, 632, 1, 1 |
| BMH0216 | 5.2.3.1.b | Distribution | NWR-BMH shall allow a single broadcast to drive multiple NWR transmitter stations in a group as appropriate in accordance with the NWR baseline configuration. | 594, 596, 616, 602, 604, 606, 607, 608, 610, 612, 613, 619, 621, 622, 626, 628, 630, 631, 632, 1, 1 |
| BMH0218 | 5.2.3.3. | Unique Audio Broadcast | NWR-BMH shall be capable of providing a unique audio Broadcast Program to each NWR transmitter station. | 31, 32, 34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 93, 99, 131, 138, 145, 146, 156, 163, 168, 172, 178, 179, 184, 186, 188, **Error! Reference source not found.**, 193, **Error! Reference source not found.**, **Error! Reference source not found.**, 197, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 938, 939, 940, 941, 942, 943, 973, 1605, |
| BMH0219 | 5.2.3.4. | Message Addressability | NWR-BMH shall provide the ability to address messages for transmission via NWR to entire counties/boroughs/parishes or equivalents, portions thereof, entire states, and the entire network, as described in RD1(g) and RD4. | 31, 32, 34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 93, 99, 131, 138, 145, 146, 156, 163, 168, 172, 178, 179, 184, 186, 188, **Error! Reference source not found.**, 193, **Error! Reference source not found.**, **Error! Reference source not found.**, 197, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 938, 939, 940, 941, 942, 943, 973, 1605, |
| BMH0220 | 5.2.3.4.1.a | NWR Transmitter Station Addressability | Each NWR transmitter station in the network shall be assigned a unique communications address or sequence of addresses. | 34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 93, 99, 938, 939, 940, 941, 942, 943, 1605, |
| BMH0221 | 5.2.3.4.1.b | NWR Transmitter Station Addressability | The NWR transmitter addressing scheme shall support a National level address. | 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 93, 98, 99, 939, 940, 941, 942, 943, 1605 |
| BMH0222 | 5.2.3.4.2. | Scalability | NWR-BMH shall be scalable to allow each NWR Transmitter Station Authority to control a configurable number of unique, addressable output channels with a minimum of reconfiguration effort associated with adding channels. | 807, 808, 809, 810, 812, 814, 816, 817, 820, 821 |
| BMH0223 | 5.2.3.4.3. | NWRSAME Support | NWR-BMH shall use geographic location codes to address messages to affected coverage areas. The codes for NWR are described in RD1(g) and RD4. The codes for NWWS are described in RD1(b) and RD1(h). | 138, 145, 146, 156, 163, 168, 172, 178, 179, 184, 185, 186, 187, 188, 193, 197, 886, 887, 890, 904, **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.**, 912, 913, **Error! Reference source not found.**, 914, 916, 918, 920, 920, 922, 973, 974, 976, 977, 978, 981, 982, 983, **Error! Reference source not found.**, 984, 985, 986, 987, 988, 989, 991, 992, 994, **Error! Reference source not found.**, 995, 996, 997, 998, 999, 1000, 1001, 1003, 1004, 1005, 1008, 1009, 1010, 1011, 1013, 1016, 1017, 1018, 1022, 1024, 1027, 1028, 1030, 1031, 1032 |
|  | 5.2.4. | Output - Station and Transmitter Interface | | |
| BMH0226 | 5.2.4.2.a | Transmitter Interfaces | NWR-BMH shall interface to existing NWR transmitter equipment to provide two independent analog audio output channels for transmitter interface. Each output channel will provide the identical audio output including NWRSAME frequency shift keying (FSK) tones and Alert tones, and analog voice (voice broadcast).  - This capability shall mirror the existing CRS configuration to allow the WFO office to transition their transmitter communications to interface with the NWR-BMH system without modifications. Each analog audio output channel shall provide a 600 Ohm balanced analog output with bandwidth of 200 Hz to 5 KHz.  - NWR-BMH audio output levels shall be adjustable from -16 dBm to +1 dBm as referenced into a 600 Ohm Load. Digital to Analog conversion shall be scalable to 0.1 dBm per step. Each audio output channel shall be independently adjustable and the adjustment value shall be stored exclusively (i.e. cannot store one value for multiple adjustments). | **PARTIAL:** BMH device, and BMH-to-Transmitter interface is not included in this work assignment. Control of BMH via AWIPS II software interface to BMH is included. Capability mirroring for easy transition is expected to be supported via system design and deployment by NWS. |
| BMH0227 | 5.2.4.2.b | Transmitter Interfaces | All communications with NWR transmitter stations shall comply with NWS approved analog and digital signal formats specifications. | **PARTIAL:** BMH device, and BMH-to-Transmitter interface is not included in this work assignment. Control of BMH via AWIPS II software interface to BMH is included. Capability mirroring for easy transition is expected to be supported via system design and deployment by NWS. |
| BMH0228 | 5.2.4.2.c | Transmitter Interfaces | All communications to NWR transmitter stations shall comply with NWS approved format and protocol specifications. | **PARTIAL:** BMH device, and BMH-to-Transmitter interface is not included in this work assignment. Control of BMH via AWIPS II software interface to BMH is included. Capability mirroring for easy transition is expected to be supported via system design and deployment by NWS.  31, 32, 34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 93, 107, 108, 110, 112, 114, 115, 117, 119, 120, 122, 124, 127, 938, 939, 940, 941, 942, 943, 1605 |
|  | 5.2.6. | NWR-BMH System Management for NWR Transmitters | | |
| BMH0229 | 5.2.6.2.2.a | NWR Transmitter Station Status Display | NWR-BMH shall provide a status display to the monitor and control system operator, including graphical indication of the status of each NWR transmitter station, the geographical locations of the NWR transmitter stations, call sign, and frequency of each station. | 8, 31, 35, 37, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 939 |
| BMH0230 | 5.2.6.2.2.b | NWR Transmitter Station Status Display | GUI Icons shall graphically represent transmitter status and NWR-BMH system status. | 8, 31, 35, 37, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 939 |
| BMH0231 | 5.2.6.2.3.a | NWR Transmitter Station Silence Alarm | NWR-BMH shall monitor and report audio silence alarms and other operational alarms for visible and audible reporting. | 209, 210, **Error! Reference source not found.**, 211, 220, 848, 849, 851, 852, 853, 861, 864, 869 |
| BMH0232 | 5.2.6.2.3.b | NWR Transmitter Station Silence Alarm | NWR-BMH shall include silence detection and an alarm function that detects and reports any situation where the NWR-BMH’s audio signal for any NWR transmitter station is silent for ten consecutive seconds. | 209, 210, **Error! Reference source not found.**, 211, 220, 848, 849, 851, 852, 853, 861, 864, 869 |
| BMH0233 | 5.2.6.2.3.c | NWR Transmitter Station Silence Alarm | The NWR-BMH operator shall be given override and reset capability for NWR transmitter stations, based on the user’s authorization level, for use in Normal and Emergency Override Modes of operation. | 209, 210, **Error! Reference source not found.**, 211, 220, 848, 849, 851, 852, 853, 861, 864, 869, 1 |
| BMH0234 | 5.2.6.2.5. | Transmitter Switching | NWR-BMH shall be capable of switching each NWR transmitter station from its primary to its backup transmitter both automatically and manually by generating transfer tones in accordance with NWR transmitter specifications. | 924, **Error! Reference source not found.**, 928, 929, 930, 931, 936, 944, 946, 953, 958, 959, 960, 961 |
| BMH0236 | 5.2.6.2.8. | NWR Transmitter Station Audio Output Monitoring | For any transmitter station supported by a given WFO, NWR-BMH shall provide the capability to monitor the audio output signal leaving the NWR-BMH system. | 31, 32, 224, 226, 228, 229, 254, 259, 260, 268, 270, 272, 273, 274, 275, 277, 281, 283, 477, 570, 575, 581, **Error! Reference source not found.**, 593, 603, 605, **Error! Reference source not found.**, 875, 985, **Error! Reference source not found.**, **Error! Reference source not found.**, 1117, 1152, 1161, 1165, 1172, 1176, **Error! Reference source not found.**, 1, 1, 1, 1610, 1624, 1631, 1657, 1664 |
|  | 5.2.6.3. | System Configuration | | |
| BMH0237 | 5.2.6.3.1.a | NWR Transmitter Station Configuration | NWR-BMH shall automatically maintain a central database of all NWR transmitter stations for configuration management purposes. | **PARTIAL:** IOC will support local postGres DB with stations configured by that WFO. Long term move to federated registry to allow for a national database not included in this work assignment.  31, 32 |
| BMH0238 | 5.2.6.3.1.b | NWR Transmitter Station Configuration | NWR-BMH shall allow the WFOs to sort the display of their transmitter sites to mirror existing transmitter order as used by their respective CRS. | **PARTIAL:** IOC will support local postGres DB with stations configured by that WFO. Long term move to federated registry to allow for a national database not included in this work assignment.  34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 99, 938, 939, 940, 941, 942, 943, 1605, 1811 |
| BMH0239 | 5.2.6.3.1.c | NWR Transmitter Station Configuration | NWR-BMH shall provide NWR-BMH operators the capability to view and update data associated with NWR transmitter stations assigned to that WFO/WSO. | **PARTIAL:** IOC will support local postGres DB with stations configured by that WFO. Long term move to federated registry to allow for a national database not included in this work assignment.  34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 99, 938, 939, 940, 941, 942, 943, 1605, 1811 |
| BMH0240 | 5.2.6.3.1.d | NWR Transmitter Station Configuration | NWR-BMH shall provide NWR-BMH operators the capability to add or remove respective NWR transmitter sites in the database as assigned to the WFO/WSO. | **PARTIAL:** IOC will support local postGres DB with stations configured by that WFO. Long term move to federated registry to allow for a national database not included in this work assignment.  34, 35, 36, 37, 40, 41, 43, 44, 45, 46, 47, 48, 49, 52, 53, 55, 56, 57, 58, 59, 61, 62, 63, 88, 90, 91, 99, 938, 939, 940, 941, 942, 943, 1605, 1811 |
| BMH0241 | 5.2.6.4. | Synchronized Time Source | NWR-BMH shall follow the AWIPS II capability. | 34, 35, 36, 37, 44, 45, 47, 48, 49, 53, 56, 57, 58, 61, 62, 63, 88, 90, 91, 99, 938, 939, 940, 941, 942, 943, 1605, 1811 |
|  | 5.2.7. | NWR-BMH Performance Requirements | | |
| BMH0242 | 5.2.7.1. | Message Delivery Time | Message delivery time is defined as the total time from when the message is available to the NWR-BMH, until the message is delivered to the NWR transmitter for broadcast. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary (the time at which the message begins transmission from the Comms Manager PX process to the DAC). No other means is provided to measure delivery time beyond this point. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  112, 117, 122, 127 |
| BMH0243 | 5.2.7.1.2.a | Synthesized Voice Message Delivery Time | In case of large size, e.g. 2000 bytes, text messages, additional message delivery time shall be allowed due to their longer text-to-speech synthesized voice conversion time. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 224, 228, 229, 254, 259, 260, 268, 270, 272, 273, 274, 275, 277, 281, 283, 374, 387, 390, 405, 433, 591 |
| BMH0244 | 5.2.7.1.2.b | Synthesized Voice Message Delivery Time | For interrupt messages, delivery time shall be when the message is broadcast. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591, 1888, 1889, 1890 |
| BMH0245 | 5.2.7.1.2.c | Synthesized Voice Message Delivery Time | For non-interrupt messages, delivery time shall be when the message is placed in the Broadcast Cycle. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591 |
| BMH0246 | 5.2.7.1.2.d | Synthesized Voice Message Delivery Time | NWR-BMH shall deliver 98% of high priority messages (warnings, watches, civil emergency alerts) in less than 30 seconds, for any site over any 48-hour period. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591 |
| BMH0247 | 5.2.7.1.2.e | Synthesized Voice Message Delivery Time | NWR-BMH shall deliver 99.8% of high priority messages (warnings, watches, civil emergency alerts) in less than 60 seconds, for any site over any 48-hour period. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591 |
| BMH0248 | 5.2.7.1.2.f | Synthesized Voice Message Delivery Time | NWR-BMH shall deliver 98% of non- high priority messages in less than 90 seconds. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591 |
| BMH0249 | 5.2.7.1.2.g | Synthesized Voice Message Delivery Time | In case of large broadcast cycles, additional message delivery time shall be allowed due to their longer queue waiting time. | **PARTIAL:** Statistics component will provide information on performance within the AWIPS II boundary. For this work assignment, broadcast (end of measured delivery time) for interrupt messages will be at the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. For non-interrupt messages, measurement will be as defined in the NWR BMH Project FRD v1.0. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591 |
| BMH0250 | 5.2.7.1.3. | Live Voice Latency | The maximum delay from the time a live broadcast is initiated from an internal or external user until delivery to the NWR transmitter station interface shall be less than 15 seconds. | **PARTIAL:** For this work assignment, time will be measured from insertion of live voice into AWIPS II NWR-BMH to the time at which the message begins transmission from the Comms Manager PX process to the DAC. No other means is provided to measure delivery time beyond this point. Time delay external to WFO (post DAC interface) is out of scope for this work assignment.  93, 99, 112, 117, 122, 127, 172, 178, 184, 186, 188, 374, 387, 390, 405, 433, 591 |
| BMH0253 | 5.2.7.7.a | Redundancy | NWR-BMH functionality shall provide primary and backup processing functions and hardware that shall automatically switch over and remain operational in the event of primary hardware and/or software system failure. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0254 | 5.2.7.7.b | Redundancy | NWR-BMH hardware, software, and communications processes design shall include multiple levels of redundancy. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0255 | 5.2.7.7.c | Redundancy | NWR-BMH hardware, software, and communications processes design redundancy features shall eliminate all functional and communications links single points of failure by providing both primary and backup processing and communications paths to NWR transmitters. | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0256 | 5.2.7.8.a | Information System Backup, Recovery, and Reconstitution | The NWR-BMH system shall conform to AWIPS II standards and support backups of user-level and system-level information (including system state information) contained in the NWR-BMH system. (RD15, NIST 800-53, CP-9) | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0257 | 5.2.7.8.b | Information System Backup, Recovery, and Reconstitution | The NWR-BMH system shall support the employment of mechanisms with supporting procedures to allow the NWR-BMH system to be recovered and reconstituted to the system’s original state after a disruption or failure. (RD15, NIST 800-53, CP-10) | Achievement of this requirement is inherent in the AWIPS II design. |
| BMH0261 | 5.2.7.11.a | System Configuration Changes | NWR-BMH user-initiated functionalities that modify the software configuration parameters of a NWR Station shall be executed in less than 15 seconds.. Those functionalities that only deal with weather message attribute modifications such as, but not all:  a. Message Types  b. Requirement deleted  c. Listening Areas  d. Areas  e. Zones  f. Broadcast Suites | **PARTIAL:** Capability for querying of hardware (ROAMS, transmitter enable/disable, etc…), and any other configuration modifications not included in 5.2.7.11 a, c, d, e, and f, is out of scope for this work assignment.  1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1755, 1757, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0262 | 5.2.7.11.b | System Configuration Changes | All other application configuration modifications, including those dealing with the querying of hardware (ROAMS, transmitter enable/disable, etc…), shall be executed in less than 120 seconds unless there is a device limitation. | **PARTIAL:** Capability for querying of hardware (ROAMS, transmitter enable/disable, etc…), and any other configuration modifications not included in 5.2.7.11 a, c, d, e, and f, is out of scope for this work assignment.  1, 1, 1, **Error! Reference source not found.**, 1472, 1480, 1755, 1757, 1759, 1761, 1755, 1757, 1765, 1766, 1767, 1770, 1772, 1774, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1786, 1788, 1790, 1793, 1795, 1796, 1799, 1800, 1801, 1803, 1806, 1811, 1815, 1816, 1826 |
| BMH0263 | 5.2.7.12. | Broadcast Cycle Changes | NWR-BMH shall execute a NWR Station Broadcast Cycle update in less than 5-seconds from the point of message delivery or modification. Such modifications shall include, but not be limited to the following:  a. Message expiration  b. Message insertion  c. Switch to higher/lower Suite due to trigger execution/expiration | 488, 505, 536, 553, 628, 881, 883, 897, 887, **Error! Reference source not found.**, 984, 985, 998, 999, 1027, 1057, 1058, 1127, 1163, 1174, 1188, 1189, 1190, 1191, 1192, **Error! Reference source not found.**, **Error! Reference source not found.**, 1, 1, 1339, 1342, 1344, 1347, 1358, 1360, 1629, 1662, 1670, 1700, 1706, 1729, 1735 |
|  | 6.6. | System and Information Integrity | | |
| BMH0293 | 6.6.1. | Flaw Remediation | The NWR-BMH system shall support the maintenance of system and application patches in a timely manner. Custom system hardware or software components shall not interfere with the timely update of security patches. (RD15, NIST 800-53, SI-2) | Achievement of this requirement is inherent in the AWIPS II design. |
|  |  |  |  |  |
|  |  |  |  |  |

1. Test Support Materials

This section contains information related to test materials required to support this effort.

* 1. Test Message Formats

This section contains examples of the test messages used for this test effort.

* BADMESSAG.V0130\_222\_10045000
* BOUFLSOSH.V0130\_130\_10023723 (Expired message – RM3283)
* OMATORBAS.V0267\_887\_09020904)\_NBO (sample tone message – No Blackout – RM3617)
* OMATORBAS.V0267\_887\_09020904)\_WBO (sample tone message – With Blackout – RM3617)
* MRDTest1\_OrigMsg\_MRD123
* MRDTest2\_ReplMsg\_MRD124R123
* Msg\_1\_SvrStrm\_Spanish.txt
* Msg\_2\_SvrStmt\_Spanish.txt
  + 1. BADMESSAG.V0130\_222\_10045000

This sample message represents a bad message format with no formatting provided. This message contains a single line of text provided below:

“This is an incorrectly formatted message.”

* + 1. BOUFLSOSH.V0130\_130\_10023723

This expired message file was taken from RedMine Ticket RM3283

\_aT\_ENGOMAFLSOSH14081002371408100237 130CD NCOC115c1408100400

THE FOLLOWING IS A FLOOD ADVISORY BULLETIN, FOR THE FOLLOWING COUNTY,

SEDGWICK, COLORADO. THE NATIONAL WEATHER SERVICE IN DENVER HAS ISSUED

A SMALL STREAM FLOOD ADVISORY FOR, NORTHEASTERN PHILLIPS COUNTY IN

NORTHEAST COLORADO, SOUTHEASTERN SEDGWICK COUNTY IN NORTHEAST

COLORADO, UNTIL 10:00 PM MDT. AT 8:36 PM MDT, HEAVY RAIN FROM EARLIER

THUNDERSTORMS WILL CAUSE SMALL STREAM FLOODING IN THE ADVISORY AREA.

UP TO TWO INCHES OF RAIN HAVE FALLEN. SOME LOCATIONS THAT WILL

EXPERIENCE FLOODING INCLUDE, SIXTEEN-MILE CORNER AND AMHERST.

EXCESSIVE RUNOFF FROM HEAVY RAINFALL WILL CAUSE FLOODING OF SMALL

CREEKS AND STREAMS, AS WELL AS FARM AND COUNTRY ROADS. DO NOT ATTEMPT

TO TRAVEL ACROSS FLOODED ROADS. FIND ALTERNATE ROUTES.

\_b

* + 1. OMAPNSBAS.V0130\_LdadChk

This file will be used to for LDAD testing

\_aT\_ENGOMAPNSBAS14081002371408100237 130CD NCOC115c1503062200

THIS IS A CHECK OF AN LDAD SAVE OF A MESSAGE.

THE FOLLOWING IS A FLOOD ADVISORY BULLETIN, FOR THE FOLLOWING COUNTY,

SEDGWICK, COLORADO. THE NATIONAL WEATHER SERVICE IN DENVER HAS ISSUED

A SMALL STREAM FLOOD ADVISORY FOR, NORTHEASTERN PHILLIPS COUNTY IN

NORTHEAST COLORADO, SOUTHEASTERN SEDGWICK COUNTY IN NORTHEAST

COLORADO, UNTIL 10:00 PM MDT. AT 8:36 PM MDT, HEAVY RAIN FROM EARLIER

THUNDERSTORMS WILL CAUSE SMALL STREAM FLOODING IN THE ADVISORY AREA.

UP TO TWO INCHES OF RAIN HAVE FALLEN. SOME LOCATIONS THAT WILL

EXPERIENCE FLOODING INCLUDE, SIXTEEN-MILE CORNER AND AMHERST.

EXCESSIVE RUNOFF FROM HEAVY RAINFALL WILL CAUSE FLOODING OF SMALL

CREEKS AND STREAMS, AS WELL AS FARM AND COUNTRY ROADS. DO NOT ATTEMPT

TO TRAVEL ACROSS FLOODED ROADS. FIND ALTERNATE ROUTES.

\_b

* + 1. OMATORBAS.V0267\_887\_09020904)\_NBO

**Sample Test Message – No Blackout:**

**This message was taken from RedMine Ticket RM3617**

\_aT\_ENGOMATORBAS14080902091408090209 CD IANEC009c1411222359

THIS IS A TEST MESSAGE FOR NO TONE BLACKOUTS. THE SEVERE THUNDERSTORM

WARNING SIX, NORTHEASTERN ROCK COUNTY WILL EXPIRE AT 9:15 PM CDT, OR 8:15 PM

MDT. THIS IS A TEST MESSAGE FOR NO TONE BLACKOUTS.

\_b

* + 1. OMATORBAS.V0267\_887\_09020904)\_WBO (sample tone message – WITH Blackout)

**Sample Test Message – With Blackout:**

**This message was taken from RedMine Ticket RM3617**

\_aT\_ENGOMAWSWBAS14080902091408090209 CD IANEC009c1411222359

THIS IS A TEST MESSAGE FOR EXECUTING TONE BLACKOUTS. THE SEVERE THUNDERSTORM

WARNING SIX, NORTHEASTERN ROCK COUNTY WILL EXPIRE AT 9:15 PM CDT, OR 8:15 PM

MDT. THIS IS A TEST MESSAGE FOR EXECUTING TONE BLACKOUTS.

\_b

* + 1. LDAD Test Message

**Sample LDAD Test Message**

\_aT\_ENGOMAWSWBAS14080902091408090209 CD INNEC009c1411222359

LDAD TEST MESSAGE.

THIS IS A TEST MESSAGE TO DEMONSTRATE INGEST OF A MESSAGE BY LDAD.

THE SEVERE THUNDERSTORM WARNING SIX, NORTHEASTERN ROCK COUNTY WILL EXPIRE AT 9:15 PM CDT, OR 8:15 PM

MDT. THIS IS A LDAD TEST MESSAGE

\_b

* + 1. MAT Test Messages
       1. MATTest1

\_aT\_ENGOMASVSBAS14080902091408090210 CD INNEC009c1508280319

MAT TEST 1 MESSAGE.

THIS IS THE MESSAGE CONTAINING THE ORIGINAL MAT NUMBER.

DRAGONS ARE ATTACKING

\_b

* + - 1. MATTest2

\_aT\_ENGOMASVABAS14080902091408090211 CD INNEC009c1508280319

MAT TEST 2 MESSAGE.

THIS MESSAGE REPLACES THE MAT TEST 1 MESSAGE.

DINOSAURS ARE ATTACKING, NOT DRAGONS, DEFINITELY DINOSAURS.

\_b

* + - 1. MATTestTWO1

\_aT\_ENGOMASVRBAS14080902091408090210 CD INNEC009c1508280319

MATTESTTWO1.

THIS IS THE ORIGINAL MATTESTTWO1 MESSAGE.

DRAGONS ARE ATTACKING

\_b

* + - 1. MATTestTWO2

\_aT\_ENGOMASVSBAS14080902091408090211 CD INNEC009c1508280319

MATTESTTWO2.

THIS IS THE SUBMITTAL OF A MESSAGE REPLACING THE ORIGINAL MATTESTTWO1 MESSAGE.

DINOSAURS ARE ATTACKING, NOT DRAGONS, DEFINETELY DINOSAURS.

\_b

* + 1. MRD Test Messages
       1. MRDTest1\_OrigMsg\_MRD123

\_aT\_ENGOMASVWBAS14080902091408090210 123CD INNEC009c1508280319

MRD TEST 1.

THIS IS THE MESSAGE CONTAINING THE ORIGINAL MRD NUMBER.

DRAGONS ARE ATTACKING

\_b

* + - 1. MRDTest2\_ReplMsg\_MRD124R123

\_aT\_ENGOMASVSBAS14080902091408090211 124R123CD INNEC009c1508280319

MRD TEST 2.

THIS IS THE MESSAGE REPLACING THE ORIGINAL MRD NUMBER.

DINOSAURS ARE ATTACKING, NOT DRAGONS, DEFINITELY DINOSAURS.

\_b

* + - 1. MRDTest3\_RESUBReplMsg\_MRD124R123

\_aT\_ENGOMASVSBAS14080902091408090211 124R123CD INNEC009c1508280319

MRD TEST 3.

THIS IS A SECOND SUBMITTAL OF THE MESSAGE REPLACING THE ORIGINAL MRD NUMBER.

DINOSAURS ARE ATTACKING, NOT DRAGONS, MOST DEFINITELY DINOSAURS.

\_b

* + - 1. MRDTest4\_ReplMsg\_MRD125R124123

\_aT\_ENGOMASVSBAS14080902091408090211 125R124123CD INNEC009c1508280319

MRD TEST 4.

THIS MESSAGE TEST REPLACING THE SECOND REPLACEMENT MRD NUMBER WHICH REPLACED THE ORIGINAL MRD WITH FULL DAISYCHAIN.

THE SKY IS FALLING, THE SKY IS FALLING, WE ARE SURROUNDED BY LIONS, TIGERS AND BEARS. NOT SHARKS, DRAGONS OR DINOSAURS.

\_b

* + 1. PolyGon Parsing Test
       1. Polygon Test 1

\_aT\_ENGOMASVSBAS14080902091408090209 891CD IN1234 1234NEC009c1508280219

\_b

* + - 1. Polygon Test 2

\_aT\_ENGOMASVSBAS14080902091408090209 891CD IN-1234 1234NEC009c1508280219

\_b

* + - 1. Polygon Test 3

\_aT\_ENGOMASVSBAS14080902091408090209 891CD IN1234 1234 234 12345NEC009c1508280219

\_b

* + - 1. Polygon Test 4

\_aT\_ENGOMASVSBAS14080902091408090209 891CD IN1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345 1234 1234 234 12345NEC009c1508280219

\_b

* + 1. SPANISH TXT MESSAGES
       1. Msg\_1\_SvrStrm\_Spanish.txt

Sistema Frontal No. 36 se extenderá¡ desde el sureste de Nebraska hasta el noreste y norte del Iowa, se desplazará¡ lentamente hacia el sureste y, aunado a la entrada de humedad Rio Missouri, mantendrá¡ potencial de lluvias menores a 25 mm en Omaha Nebraska, Bellevue Nebraska y Council Bluffs Iowa, el aire frío asociado ocasionará¡ un nuevo descenso en la temperatura y vientos de hasta 50 km/h sobre los estados fronterizos del norte y noreste de la zona alrededor de Omaha, con rachas de hasta 80 km/h en el norte del litoral de Valley Nebraska.

* + - 1. Msg\_2\_SvrStmt\_Spanish.txt

Aviso Frontal No. 37 se extenderá¡ desde el noreste de Zaragoza hasta el suroeste y sur de Huesca, se desplazará¡ lentamente hacia el sureste y, aunado a la entrada de humedad en el Rio Ebro, mantendrá¡ posibilad de lluvias menores a 15 mm en Zaragoza, Zuera y Monegrillo, el aire frío asociado ocasionará¡ un nuevo descenso en la temperatura y vientos de hasta 50 km/h sobre los estados fronterizos al este de la zona alrededor de Zaragoza, con rachas de hasta 50 km/h al sur del litoral de Gramen.

* + 1. Sample TEXT EXTRACTS
       1. Sample\_ENGishText.txt

Summary: Extract from the Declaration of Independence.

IN CONGRESS, July 4, 1776.

The unanimous Declaration of the thirteen united States of America,

When in the Course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another, and to assume among the powers of the earth, the separate and equal station to which the Laws of Nature and of Nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation.

We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness.--That to secure these rights, Governments are instituted among Men, deriving their just powers from the consent of the governed, --That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, and to institute new Government, laying its foundation on such principles and organizing its powers in such form, as to them shall seem most likely to effect their Safety and Happiness. Prudence, indeed, will dictate that Governments long established should not be changed for light and transient causes; and accordingly all experience hath shewn, that mankind are more disposed to suffer, while evils are sufferable, than to right themselves by abolishing the forms to which they are accustomed. But when a long train of abuses and usurpations, pursuing invariably the same Object evinces a design to reduce them under absolute Despotism, it is their right, it is their duty, to throw off such Government, and to provide new Guards for their future security.--Such has been the patient sufferance of these Colonies; and such is now the necessity which constrains them to alter their former Systems of Government. The history of the present King of Great Britain is a history of repeated injuries and usurpations, all having in direct object the establishment of an absolute Tyranny over these States. To prove this, let Facts be submitted to a candid world.

* + - 1. Sample\_SpanishText.txt

Summary: Extract from the text of a practice audio sample provided to translators in training. The extract came from a speech presented to a UN International Seabed Authority Conference in Mexico on 12 July 2001.

Gracias, señor Presidente.

En su momento, será util que la Comisión Jurídica y Técnica se reúna de manera separada. Pero si la próxima tarea va a ser los trabajos preliminares para la preparación de reglamentos, mi delegación también considera que esos trabajos deben ser abiertos, que no debe haber ninguna confidencia en la preparación de esos reglamentos. Esto puede parecer, para muchos, déjà vu, pero evitemos la pérdida de tiempo que tuvimos en el pasado, cuando la Comisión Jurídica y Técnica cerró sus puertas para la elaboración del llamado Código Minero. Recuerden ustedes que perdimos mucho tiempo en un debate, hasta que finalmente se reconoció el derecho de todas las delegaciones que lo desearan de estar presentes mientras se debatieran esos asuntos, que no tienen naturaleza confidencial y que son del interés de todos los Estados miembros de esta Autoridad.

Señor, voy a hacer una breve dec1aración que no me llevará más de dos minutos, para referirme a los trabajos de este período de sesiones.

Me refiero a1tema central de este período de sesiones, es decir el relativo a la prospección y la exploración de los sulfuros polimetálicos hidrotérmicos y de las costras de ferromanganeso ricas en cobalto. La delegación de Mexico se congratula por el acuerdo logrado para que tanto el Consejo como la Comisión Jurídica y Técnica a codificación y el desarrollo del derecho intemacional. Ahora, se nos dice que no es posible negociar reglamentos, porque no se tienen suficientes conocimientos científicos.

Los liberales de mi pais del Siglo XIX tenían como lema político la frase "gobernar es prever". Aprovechemos esta oportunidad para prever y lograr que la exploración y prospección se haga sin anarquía y conforme a derecho. No olvidemos el principio toral de la histórica declaración de principios adoptada por la Asamblea General de las Naciones Unidas en 1970.