WHAT'S NEW IN THE AWIPS CAVE-D2D USER'SMANUAL

OB 16.2.1 FEATURES, FUNCTIONALITIES, ENHANCEMENTS, AND/OR MODIFICATIONS

<u>**AWIPS II Software**</u>

- **BMH:** BMH is transitioning to a separate build release schedule. As of the publication date, the latest available BMH version is OB 16.1.3-v3. The major changes are summarized below.

  A connectivity dialog display in the instance where EDEX request is down has been added. The Promote to Group option is enabled when clicking MB3 on a disabled transmitter. Selecting the Promote to Group option opens the Promote Transmitter dialog.

  Users may modify the Zone Name and the Selected Areas. The Zone Code is a field that is not editable.
  View Transmitters and Transmitter Groups: By default, the list of transmitters are listed in the Transmitters section of the Broadcast Cycle dialog. Users can view the transmitter group list by selecting the Transmitter Group checkbox. Once selected, the groups are listed in the Transmitters section.
  Changing Transmitters: Transmitters can be changed by clicking on a different transmitter in the dialog's Transmitter field. The displayed information, playlist contents, and message broadcast immediately change to those of the just-selected transmitter.
  Import Legacy Database Confirmation Dialog-Negative Verification: In instances where errors are returned in the Import Legacy Database dialog, it is recommended that the user document the error and fix the ASCII file before importing the legacy database. Users may continue the importing process with these errors, however, it is recommended the ASCII file is fixed to reduce/remove the potential for additional issues.
  Create DAC Configuration Dialog Fields has been updated.
  Reboot DAC and 2.9.5.1.5, DAC Failover have been added.
  BMH Practice Mode has been added.

- **Collaboration:** Enhancements:

  Expanding Collaboration in the Preferences dialog lists several configurable items; Contact Notifiers, Significant Words, and Sound Alerts. The sound alerts has been added in this release. **SoundAlerts:** Activating the **Play sound when others join chat rooms** option applies a sound to any user that joins a public chat room

  The Display nws-collaboration button is not displayed in the toolbar when the nws-collaboration room is in view.

To initiate a Shared Display session, he Session Leader highlights one or more usernames in the Collaboration tab using Ctrl+MB1 clicks or Shift+MB1 clicks. Once usernames are highlighted, the user MB3 clicks on one of the highlighted names to display the popup menu. From the popup menu, the user selects **Create Session** to open the Create Session dialog. Once a Name and Subject are entered into the respective textboxes, the user must click/check the **Create Shared Display Session** checkbox to create a Shared Display Session. If this checkbox is left unchecked, a group chat session is created instead. The Create Shared Display Session checkbox is not checked by default. With the **Create Shared Display Session** and **Invite Selected Users** checkboxes checked, click the**Create** button to send the invitees an invitation to the Shared Display Session.

Note: If the **Create Shared Display Session** checkbox is not checked when the **Create** button is selected, a group chat room is created where displays are not shared.

- **Ensemble Tool:** Add Ensemble Button to baseline Volume Browser Sources list. Currently, if a site installs the Ensemble Tool, it includes a file that adds an "Ensemble Button" to the sources list in the Volume Browser. This DR is to remove the dependency of having this installed with the Ensemble Tool and have the Ensemble Button become part of thebaseline VB Sources configuration.Also, the items in the Ensemble Button currently show up in the Volume button as well. In order to avoid confusion about moving product location, these items will remain under both buttons until they are phased out into the Ensemble button at a later time.

- In January 2016, the ROC added an 8-bit version of Spectrum Width to the TDWR SPG and removed the current 3-bit version. AWIPS has been updated to display this new 8bit product.

- **Ingest and Display of Low-Earth-Orbit Satellite Data Products**
  Ingest and display of the following low-earth-orbit satellite data products:
  • GCOM AMSR-2 Microwave Imagery
  • GCOM AMSR-2 derived Surface Wind Speed
  • GPM GMI Microwave Imagery
  • Sentinel and Radarsat-2 Synthetic Aperature Radar derived Surface Wind Speed
  • SMAP

- **Ingest and Display Gridded MOS - GFS based out to 10 days for CONUS 2.5km and AK 3km**

- **Added 00z and 12z ECMWF station-based MOS text bulletins (similar to other MOS text bulletins)**

- **NWS Impact Catalog available to AWIPS**
  Iris will be hosted on the Integrated Dissemination Program servers, and will provide a comprehensive API for accessing a centralized database of impacts, impact alerts, contacts, and events for use by AWIPS applications. This national Impacts Catalog is critical to agency success in providing effective Impact-Based Decision Support Services

(Roadmap, Pilot Projects). The capability is to make impact catalog data available to a wide variety of applications including D2D, Hazard Services and FDSE.

- **FFMP use of MRMS data**
  Ability to handle MRMS QPE grids, QPF MRMS grids, or other guidance products such ARI guidance grids. (Please refer to SMM Appendix A1)

- **Incorrect aviation description**
  Through the upper air drop down menu there is a section for Aviation. You can pull up current AIRMETs which are labeled wrong. This has been corrected.

- **Add Min/Max T to the URMA Model**
  An update to the URMA model to add the Min/Max T temperature fields has been completed.

- **Add export geotiff to CAVE**
  CAVE can currently export a variety of image formats including png, jpg, bmp, gif. It can also export KML. Now there is a ability to export geotiff to have that format covered too.

- The following two buttons: "Edit Event" and "New Event" have been added. Upon clicking the button, the bottom frame will be changed for editing OR INSERTING INFORMATION. If it's the "Edit Event" button clicked, the title of the frame will be "Editing $LID", and the LID is not select-able. If it's the "New Event" button clicked, the title of the frame will be "Adding Event", and the LID is select-able. THE LIDS LISTED WHEN ADDING A NEW EVENT MUST ALLOW FOR LIDS THAT MAYNOT ALREADY HAVE AN ENTRY IN THE FLOODTS TABLE. THEREFORE, THE BEST APPROACH IS TO LIST ALL THE LIDS DEFINED IN THE RIVERSTAT TABLE. THAT COULD BE A LONG LIST. The location and flood stage will be displayed and the middle. On right side, the observATIONS of the event will be displayed. Click on the green arrow will allow user to add an observeD VALUE. Click on the red X box will delete that observATION. The value and time of the observe is editable. EDITING OF TIME IS ONLY REQUIRED TO BE TO THE NEAREST MINUTE. Click on the "Save Event" button will save the event to floodts DB table. If it's a new event, the flood_event_id will be the largest flood_event_id of the LID plus one.

- **Damage Path Tool:** Damage Path tool will not be available until release 16.2.2.

AWIPS CAVE-D2D User's Manual

Content and Organizational Changes:.

1. The Users Guide for Broadcast Message Handler has been updated in APP G.

All the updates below refer to the linked BMH document in APP G.

Table 2.1.1-1, Main Dialog Associated with the Defined Roles and Roles/Permissions has been updated.

Exhibits 2.3.2-3 BMH Connectivity Preferences (EDEX is Down) and 2.3.2-1 BMH Connectivity Preferences (Only Broadcast Live) have been updated.

Table 2.5.1-1 Broadcast Cycle Transmitter Status Color Codes has been updated.

Exhibit 2.5.1.1.3.3-1 Rename Transmitter Dialog has been updated to show the Promote to Group option.

Section 2.5.1.2 Transmitters has been updated.

Table 2.9.5.1.1-1 Create DAC Configuration Dialog Fields has been updated.

Section 2.9.5.1.4 Reboot DAC has been updated.

Section 2.10, Practice mode has been updated.

2. **Collobaration:** The following sections have been updated. 16.2.1 Starting the Collaboration Application, 16.2.2 Creating a Chat Session, 16.2.3 Configuring Your Collaboration Experience and 16.2.4 Creating a Shared Display Session.

The following Exhibits have been updated.

16.2.3-1 Preferences Dialog for Setting the Collaboration User Interface Preferences, 16.2.3-2 Chat Messages on Separate Line from Time and Name Example, 16.2.3-3 Always Show the Date on Messages Example, and 16.2.3-5. Preferences Dialog Box for Configuring Significant Words.

Two new Exhibits 16.2.3-6 Sound Alerts and 16.2.4-1 MB3 Popup Menu on Username have been added.

3. Exhibits 2.1.1-2 CAVE Preferences Dialog Box for Mouse Button Configuration and 2.2.1-6. Default Screen of CAVE D2D Perspective with CAVE Menu Selected have been updated to reflect the CAVE menu that includes the BMH and Archive entries.

4. Exhibit 2.2.2-3 Expanded MRMS Menu, has been updated to reflect the Hail, Lightning, Precipitation, Reflectivity and Velocity products.

5. In Section 2.2.4 Windows, Tooltips, Menus, Dialog Boxes, and Other CAVE Operational Features, Exhibits 2.2.4-1 Tear-Off Menu and 2.2.4-5 Example of an Ellipsis for Opening a Dialog Box have been updated.

6. Boundary Tool: Exhibit 18.3.4-1. Moving Boundary has been updated.

7. In Section 2.2.6.5 Tools, Exhibit 2.2.6.5-1 Tools Dropdown Menu has been updated to reflect the new components.

8. In Section, 2.2.6.6 Volume, Exhibit 2.2.6.6-1 Volume Dropdown Menu has been updated to reflect the Volume Menu with additional entries under Families and Winter Families.

9. Section 2.2.6.8 NCEP/Hydro has been updated to refelct the Spot Forecast Requests.

10. Section 2.2.6.9 Local has been update to reflect the Ingest and Display Gridded MOS - GFS based out to 10 days for CONUS 2.5km and AK 3km

11. Section 3.1.2, The Procedures Dialog Box has been updated to reflect the new features added to the Original, Current and Alter buttons.

12. Section 2.2.6.15 has been modified to accommodate changes to the Multiple-Radar / Multiple-Sensor (MRMS) product suite.

- o **Organizational Changes:**
  None