

**HazCollect Follow-On Operational Test & Evaluation (FOTE)  
Test Review Group Meeting Minutes  
October 8, 2008**

**Attendees:**

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WFO Pittsburgh, PA: Richard Kane, Joseph Palko  
Central Region: Gregory Noonan  
WFO Paducah, KY: Deanna Lindstrom  
WRH: Jeffrey Lorens  
WFO San Francisco, CA: Wayne Bailey  
WFO Anchorage AK: Sam Albanese

OPS24: Jerald Dinges, Jae Lee, Bert Vioria  
OS51: Art Kraus

Florida State EM: John Fleming  
Contra Costa County EM: Art Botterell  
Anchorage AK EM: Vince McCoy  
Hawaii EM: Tom Simon

DHS/FEMA: Colleen Apte

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On Wednesday October 8, 2008, the National Weather Service Test & Evaluation Branch (OPS24) hosted the HazCollect Follow-on Operational Test & Evaluation (FOTE) Test Review Group Meeting. The purpose of the meeting was to present the status of the FOTE testing. During the meeting, the following items were discussed:

1. Walt Atherton (Daviness County, KY EM) and John Nicklin (Mercer County, PA EM) continue to generate daily test ADR messages successfully.
2. On Thursday October 2, 2008, the FOTE test team successfully retested the failover Test #2, wherein the HazCollect Server Rack 1 Server 1 router ingest line was pulled and a Test/Test ADR messages was successfully sent to the HazCollect and properly stopped at the Telecommunications Gateway (TG) as previously setup. During the retest, the test ADR message was successfully routed to the HazCollect Rack 1 Server 1. This issue will be discussed at the next TRG meeting.
3. Bert Vioria informed that the FOTE started at WFO MTR on Tuesday, October 7, 2008. The FOTE started with a kick off meeting which was attended by Art Botterell (Contra Costa Emergency Manager), Hormann America (OPEN API developer), WFO MTR, WFO STO, Jeff Lorens (Western Region POC) and Joel Williams (HazCollect Project Manager). The first test ADR message was sent by FOTE test team from WFO MTR using the DMIS client. This test ADR message was successfully routed and broadcasted for Contra Costa, CA. WFO STO AWIPS was down due to an AWIPS patch installation, therefore this message was not received by their AWIPS and CRS.

4. On Wednesday October 8, 2008 at 10:15pm PDT, the state ADR message test was performed by the FOTE test team for the state of California. The FOTE test team generated a test state ADR message for California using the DMIS client. Monitoring WFOs at Phoenix AZ, Reno NV, Eureka CA, Medford OR, Sacramento CA, Monterey, CA, Oxnard CA, Hanford CA, San Diego CA, and Las Vegas NV were on-hand to verify the AWIPS red banner display, CRS scheduling and broadcast, and SAME tone issuance. All monitoring WFOs reported successful verification except for WFO Phoenix, Oxnard, and San Diego. The issues found at these field offices are all non-HazCollect related and are indicative of AWIPS setup and CRS setup inconsistencies. WFO Oxnard stated that they will fix address the AWIPS red banner display issues. After the TRG, Mike Moss (AWIPS SST) looked into the issues at WFO Phoenix AZ and San Diego. Mike found out that SFOADRCA was not defined in CRS database at WFO Phoenix, and WFO San Diego should have Café formatter set to “Send to CRS=Y” instead of “N”.
5. Bert Viloría provided detail information of the DMIS OPEN API demonstration performed at Art Botterell’s office in Martinez, CA, the Hormann America facility, and WFO MTR on October 7<sup>th</sup> and October 8<sup>th</sup>. A total of eight attempts were made to create test ADR messages using Art’s CAP editor, wherein these messages were sent over to Hormann America’s CapConHC software. These messages, upon receipt of successful return status from the DMIS server, were subsequently sent to the DMIS server, and were expected to be forwarded to the HazCollect server, sent through AWIPS, scheduled in CRS, and broadcasted through NOAA Weather radio.

Seven of the eight test messages were successfully processed by Hormann America and forwarded to the DMIS server (one message had an incorrect DMIS production server link which was subsequently corrected). **However, none of the messages were received by AWIPS and CRS.**

During demonstration debugging, there were differences found in the CAP message data structure between message examples generated from the DMIS client and the CapConHC generated CAP messages. Subsequently, the FOTE test team contacted contractors (Neil Bourgeois and UACS) for support. To date, these contractors are currently debugging the DMIS and/or HazCollect system for definitive information and/or resolution to the non-delivery of the OPEN API DMIS test messages.

Per the results of the OPEN API demonstration, Art Botterell also provided several comments including the:

- Importance of the OPEN API feature as a significant and vital feature and not as a secondary enhancement.
- Importance of NWS commitment to successfully integrate the OPEN API feature in the initial deployment of HazCollect.
- Importance of having coordination from all contractors to expeditiously support the DMIS and/or HazCollect system during the FOTE.
- Importance of the standard CAP compliance which is not in the scope of the FOTE testing.

6. The FOTE test team took an Action Item to hold a meeting with Art Botterell, Herb White (OS51), and DHS/FEMA to further discuss the DMIS OPEN API functionality.

7. The FOTE is scheduled to start at WFO Honolulu on Oct 21, 2008.