



DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric
Administration
NATIONAL WEATHER SERVICE
1325 East-West Highway
Silver Spring, Maryland 20910-3283

JUN 10, 2010

MEMORANDUM FOR: Distribution

FROM: Neal DiPasquale (Acting)
Director, Field Systems Operations Center

SUBJECT: Operational Test & Evaluation Test (OT&E) Report for the Full
Operating Capability (FOC) All Hazards Emergency Message
Collection System (HazCollect), dated June 2010

Attached for your information is a copy of the subject test report defining how the National Weather Service (NWS) conducted the Operational Test & Evaluation (OT&E) of the All Hazards Emergency Message Collection System (HazCollect). The OT&E was performed from February 17 through March 26, 2010.

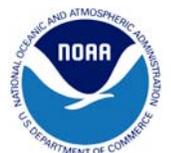
The HazCollect OT&E was conducted at the following NWS Weather Forecast Offices (WFOs):

- WFO Pittsburgh, PA (PBZ)
- WFO Albuquerque, NM (ABQ)
- WFO Paducah, KY (PAH)
- WFO San Francisco, CA (MTR)
- WFO Sacramento, CA (STO)
- WFO Anchorage, AK (AFC)
- WFO Honolulu, HI (HFO)

At the Wrap-Up meeting on April 1, 2010, the Test Review Group (TRG) agreed to recommend HazCollect to proceed to full operating capability (FOC).

Please direct any comments or questions to the OT&E Director, Bert Vilorio, OPS24, at 301-713-326 x131, (Bert.Vilorio@noaa.gov) or Jae Lee, OPS24, at 301-713-0326 x158, (Jae.Lee@noaa.gov)

Attachment



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WFO Honolulu, HI (HFO)

James Weyman (MIC)
Raymond Tanabe (WCM)

Emergency Managers

John Nicklin (Mercer County, PA)
Joyce Purley (Santa Fe, NM)
Walter Atherton (Daviss County, KY)
Katherine Hern (Contra Costa County, CA)
Rob Fitch (Anchorage, AK)
Tom Simon (State of Hawaii, HI)



OPERATIONAL TEST & EVALUATION (OT&E) REPORT

For the
**Full Operating Capability (FOC)
All-Hazards Emergency
Message Collection System (HazCollect)**

June 2010

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Office of Operational Systems
Field Systems Operations Center/Test and Evaluation Branch**

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Executive Summary

This test report contains the test and evaluation results from the Operational Test & Evaluation (OT&E), conducted by the National Weather Service (NWS), for the All Hazards Emergency Message Collection System (HazCollect) in preparation for Full Operating Capability (FOC) scheduled for April 2010. The report includes the test objectives and criteria, Test Trouble Reports (TTRs), test results, and recommendations.

The HazCollect system had previously undergone an Operational Acceptance Test (OAT) from June 5, 2006 through July 21, 2006. Due to problems and issues found during the OAT, a Field Operational Demonstration Test (FOD) was performed from November 6, 2006 through November 22, 2006. After the FOD, additional problems and issues were documented. Due to a change in network connectivity using NOAANet, the system underwent a Follow-On Operational Test & Evaluation (OT&E) from September 17, 2008 through December 5, 2008. Subsequently, another Mini-Operational Test & Evaluation was performed from March 16 through April 3, 2009 to verify fixes to previous problems and to prepare the system for initial operational capability (IOC). HazCollect officially proceeded to IOC at the end of April, 2009.

Since the IOC system has been deployed, the FOC HazCollect service has been re-engineered to be integrated within the NWS Telecommunications Gateway (NWSTG) and no longer installed as separate servers connecting to the NWSTG. The FOC HazCollect service resides on the NWSTG hardware and software as an application service utilizing the enterprise architecture of the NWSTG, including the NWSTG security classification. The FOC HazCollect has the ability to fallback to the Backup Telecommunications Gateway (BTG) in the event of a NWSTG failure. Additionally, the previous ORACLE database has been replaced with the Sybase database wherein previous data have been successfully re-hosted.

Due to the re-engineering efforts, the FOC HazCollect underwent a successful System Test (ST) and proceeded to OT&E. The Office of Operational Systems, Test & Evaluation Branch (OPS24) was responsible for conducting all the operational tests. The results are recorded in this test report which is available on the OPS24 website:

http://www.nws.noaa.gov/ops2/ops24/documents/hazcollect_docs.htm

The HazCollect OT&E was conducted with the following NWS Weather Forecast Offices (WFOs) during the dates indicated:

- WFO Pittsburgh, PA (PBZ) (Feb 17, 2010 – Mar 26, 2010)
- WFO Paducah, KY (PAH) (Feb 18, 2010 – Mar 26, 2010)
- WFO Honolulu, HI (HFO) (Feb 22, 2010 – Mar 26, 2010)
- WFO Anchorage, AK (AFC) (Feb 23, 2010 – Mar 26, 2010)
- WFO Albuquerque, NM (ABQ) (Feb 25, 2010 – Mar 26, 2010)
- WFO San Francisco, CA (MTR) (Mar 2, 2010 – Mar 26, 2010)
- WFO Sacramento, CA (STO) (Mar 2, 2010 – Mar 26, 2010)

Prior to the start of the OT&E, a Readiness Review meeting was conducted by OPS24 on Tuesday February 16, 2010 and confirmed that all prerequisites, including a successful ST, were met.

Overall, the HazCollect system was able to successfully transmit test messages during the OT&E without any adverse impact to the test sites. Additionally, the following test activities were performed:

- The test team successfully confirmed all of the test objectives including system failovers, database functionality, operational modes, system documentation, Collaborative Operations Group (COG) file upload, and performance based procedures.
- The national message test (for land areas only) was successfully conducted on March 9, 2010 with a few minor NOAA Weather Radio All-Hazards Console Replacement System (CRS) and/or Advanced Weather Interactive Processing System (AWIPS)/NWRWAVES setup/configuration issues. The All-Marine Zones test was performed on March 22, 2010 and responses from affected field offices have been positive.
- The test team coordinated with all test sites for successful end-to-end dissemination testing with their local emergency managers (EM).
- The test team worked with WFO MTR and WFO STO to confirm the successful Disaster Management Interoperability Services (DMIS) Open Platform for Emergency Networks (OPEN) Application Programming Interface (API) demonstration for Contra Costa County, CA

The OT&E tests ended on March 26, 2010. On Thursday April 1, 2010, OPS24 hosted the HazCollect OT&E Wrap-Up meeting with the Test Review Group (see **Attachment A**) consisting of NWS headquarters personnel, NWS Employees Organization (NWSEO) representative, regional and OT&E site focal points, and emergency managers. In summary, all test objectives outlined in the OT&E plan were successfully confirmed. All open TTRs were categorized as non-critical and should be fixed after deployment.

After confirming system status, test objectives and results, and adjudicating test trouble reports, the TRG voted unanimously to recommend the FOC HazCollect system for national deployment.

Table of Contents

	<u>Page</u>
Executive Summary.....	iii
Acronyms	vii
1.0 Introduction	1
2.0 Purpose	2
3.0 OT&E Test Activities.....	2
3.1 End-to-End Dissemination	2
3.2 HazCollect Modes	3
3.3 Database Functionalities.....	3
3.4 Failover Processing	4
3.5 National Message Procesing	4
3.6 New COG user registration and file upload	6
3.7 DMIS OPEN API Demonstration	6
3.8 Performance-based test procedures	6
4.0 Test Trouble Reports	7
5.0 Conclusion.....	7
5.1 Test Objectives Results	8
5.2 Questionnaires	9
6.0 Recommendations	10

Tables

	<u>Page</u>
Table 1 - HazCollect Modes Test Results	3
Table 2 - HazCollect TRG Voting Results.....	8
Table 3 - HazCollect OT&E Test Objectives and Results	8

Attachments

	<u>Page</u>
Attachment A - Test Review Group Members.....	A-1
Attachment B - HazCollect OT&E Test Sites.....	B-1
Attachment C - HazCollect Failover Processing Test Results	C-1
Attachment D - HazCollect National Message Test Results.....	D-1
Attachment E - HazCollect All-Marine Zones Test Results	E-1
Attachment F - HazCollect OT&E New Test Trouble Reports	F-1
Attachment G - HazCollect Related OPEN Test Trouble Reports from Previous OT&Es	G-1
Attachment H - DMIS-Related OPEN Test Trouble Reports from Previous OT&Es	H1
Attachment I - HazCollect OT&E Site Questionnaires.....	I-1
Attachment J - HazCollect OT&E Emergency Manager Questionnaires	J-1

Acronyms

ADR	Administrative/Follow-up Message
API	Application Programming Interface
AWIPS	Advanced Weather Interactive Processing System
CAP	Common Alerting Protocol
COG	Collaborative Operations Group
CRS	Console Replacement System
DHS	Department of Homeland Security
DMIS	Disaster Management Interoperability Services
EM	Emergency Manager
EMWIN	Emergency Manager Weather Information Network
FIPS	Federal Information Processing Standard
FOC	Final Operating Capability
FOD	Field Operational Demonstration
FOTE	Follow-On Operational Test & Evaluation
HazCollect	All Hazards Emergency Message Collection System
IOC	Initial Operating Capability
MIC	Meteorologist In Charge
NCF	Network Control Facility
NOAA	National Oceanic and Atmospheric Administration
NWEM	Non-weather emergency message
NWSEO	National Weather Service Employees Organization
NWR	NOAA Weather Radio All Hazards
NWRWAVES	NOAA Weather Radio with All-Hazards VTEC Enhanced Software
NWS	National Weather Service
NWSTG	National Weather Service Telecommunications Gateway
NWWS	NOAA Weather Wire Service
OAT	Operational Acceptance Test
OB	Operational Build
OCWWS	Office of Climate, Water, and Weather Services
OPEN	Open Platform for Emergency Networks
OPS24	Office of Operational Systems, Test & Evaluation Branch
OST	Office of Science and Technology
PAMS	Product Availability Monitoring System
PNS	Public Notification Statement
POC	Point of Contact
SAME	Specific Area Message Encoding
ST	System Test
TRG	Test Review Group
TTR	Test Trouble Report
VTEC	Valid Time Event Code
WCM	Warning Coordination Meteorologist
WFO	Weather Forecast Office
WMO	World Meteorological Organization
WSH	National Weather Service Headquarters

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1.0 Introduction

This test report contains the test and evaluation results from the Operational Test & Evaluation (OT&E), conducted by the National Weather Service (NWS), for the All Hazards Emergency Message Collection System (HazCollect) in preparation for Full Operating Capability (FOC) scheduled for April 2010. The report includes the test objectives and criteria, Test Trouble Reports (TTRs), test results, and recommendations.

The HazCollect system had previously undergone an Operational Acceptance Test (OAT) from June 5, 2006 through July 21, 2006. Due to problems and issues found during the OAT, a Field Operational Demonstration Test (FOD) was performed from November 6, 2006 through November 22, 2006. After the FOD, additional problems and issues were documented. Due to a change in network connectivity using NOAANet, the system underwent a Follow-On Operational Test & Evaluation (OT&E) from September 17, 2008 through December 5, 2008. Subsequently, another Mini-Operational Test & Evaluation was performed from March 16 through April 3, 2009 to verify fixes to previous problems and to prepare the system for initial operational capability (IOC). HazCollect officially proceeded to IOC at the end of April, 2009.

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Due to the re-engineering efforts, the FOC HazCollect underwent a successful System Test (ST) and proceeded to OT&E. The Office of Operational Systems, Test & Evaluation Branch (OPS24) was responsible for conducting all the operational tests. The results are recorded in this test report which is available on the OPS24 website:

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Prior to the start of the OT&E, a Readiness Review meeting was conducted by OPS24 on Tuesday February 16, 2010 and confirmed that all prerequisites, including a successful ST, were met.

2.0 Purpose

The purpose of the HazCollect OT&E was to verify the end-to-end operation of the HazCollect system, in preparation for FOC scheduled in April 2010. Test messages were generated using the Disaster Management Interoperability Services (DMIS) user interface client v2.3.3 software or third party vendor Open Platform for Emergency Networks (OPEN) Application Programming Interface (API)-compliant software. The messages are confirmed at the HazCollect server, and at specified NWS dissemination infrastructure verification points [e.g., NOAA Weather Wire Service (NWWS), NWR CRS, and NWR “Public Alert Certified” receivers].

3.0 OT&E Test Activities

The OT&E was performed with specific WFOs (see **Attachment B**) representing six NWS regions and seven test sites. The OT&E officially started on February 17, 2010 and ended in March 26, 2010. Before the start of the OT&E at a test site, the emergency managers (EM) were informed that they needed to have valid DMIS accounts and belong in Collaborative Operations Groups (COG). The test sites were also notified that they need to be configured for AWIPS OB9.2 and enabled for HazCollect. The OT&E test team verified the above requirements including the issuance of the public notification statement (PNS) messages prior to local, state, and national dissemination.

The OT&E test activities included:

- End-to-end verification of NWEM messages generated by the DMIS client v2.3.3 for local, state, and national scope
- NWEM dissemination using different HazCollect modes
- Verification of database functionalities
- Verification of HazCollect failover processing
- Verification of the national message processing
- Verification of the Collaborative Operations Group (COG) user registration and file upload into HazCollect
- Demonstration of the DMIS OPEN NWEM API end to end functionality
- Verification of user-related HazCollect performance-based test procedures

3.1 End-to-End Dissemination

From February 17 through March 26, 2010, the local and state emergency managers (EM) were able to successfully create their NWEM messages and send them through HazCollect. From HazCollect, these messages were either reviewed at the AWIPS pending directory and/or manually sent to the test site CRS for subsequent broadcast via weather radios.

During each of the OT&E sites test start, the OT&E test team was able to confirm the EM message receipt at the HazCollect server via the System Administration website message queue. Additionally, these messages were confirmed receipt at the National Weather Wire Service (NWWS), the Emergency Manager Weather Information Network (EMWIN), and at the local emergency manager public alert receivers.

There were a total of 27 confirmed test messages that were created by the emergency managers including messages generated during test start and messages generated during scheduled days of

the week. **There were no NWEM messages generated by the emergency managers for actual emergency events.**

3.2 HazCollect Modes

The HazCollect modes allow the HazCollect system to control the dissemination of NWEM messages based on specific HazCollect server mode (controlled by HazCollect administrator) and corresponding DMIS CAP status values (configurable by client user). **Table 1 below lists all of the modes that were successfully verified.** The Active (*HazCollect mode*)/Actual (*DMIS CAP status*) mode was repeatedly confirmed on each of the OT&E sites start date during their message dissemination tests. This mode is the default server and DMIS CAP status used for normal operations. For the Test/Actual mode, in addition to verifying the mode behavior, the NWEM corrections (CCA tag) and updates (AAA tag) processing were also successfully confirmed.

On February 23, March 2, and March 23, 2010, the OT&E test team first notified all HazCollect users for system downtime before proceeding with the mode internal tests. After the tests, the users were promptly notified of system normal operations being available.

Table 1 - HazCollect Modes Test Results

HazCollect Mode	DMIS CAP Status	NWEM Dissemination?	Date Tested	Test Procedure	Results/Comments
Active	Actual	Yes	OT&E site start dates	300	Pass.
	System	No	2/23/10	300	Pass. Internal testing
	Exercise	Yes	3/1/10	300	Pass. Tested with WFO PAH
	Test	No	2/17/10	300	Pass. Tested with WFO PBZ
Training	Actual	No	3/2/10	330	Pass. Internal testing
	System	No	3/2/10	330	Pass. Internal testing
	Exercise	No	3/2/10	330	Pass. Internal testing
	Test	No	3/2/10	330	Pass. Internal testing
Test	Actual	No	2/23/10	310	Pass. Internal testing included corrections/updates
	System	No	3/2/10	320	Pass. Internal testing
	Exercise	No	3/2/10	320	Pass. Internal testing
	Test	Yes	3/23/10	320	Pass. Filtered at TG

3.3 Database Functionalities

On March 2, 2010, the OT&E test team successfully confirmed the HazCollect database functionality for the nine database tables via the System Administration website. Per internal testing of Test Procedure #600, the database Add, Update, and Delete functionalities were successfully confirmed for the following tables:

- A2A
- Broadcast Types
- FIPS to WFO
- NWEM Message Categories

- State FIPS Codes
- State Liaison
- State Zones and FIPS Codes (Correlation)
- WFO
- WMO Regions

3.4 Failover Processing

On March 23, 2010, the OT&E test team successfully confirmed, per Test Procedure #500, the failover processing for the two hazC1 and hazC2 servers at Silver Spring Telecommunications Gateway (TG) and at the hazC1 server at the BTG in Mt. Weather VA. Virtual IP connections were switched off and on for both TG servers and at the BTG.

During the failover processing at TG in Silver Spring, test ADR messages were generated and sent via DMIS client, while in Test/Test mode. These messages were saved in the database and successfully confirmed per switched servers (hazC1 and hazC2). The messages (bulletins) were forwarded to NCF where they were purposely ‘filtered’ (only for Test/Test mode for WOUS97 KPAH message headers) and not disseminated to actual OT&E sites.

When the failover processing was switched to the BTG, the messages were only saved at the BTG database and were verified receipt. The bulletins were sent to a dead-end queue as a stand-in for the backup NCF. By design, the BTG does not send bulletins back to the production TG and/or NCF in Silver Spring.

For the actual failover test performed and corresponding results, please refer to **Attachment C**.

3.5 National Message Processing

The national message test was initially planned to include all land areas and marine zones. Prior to the national message testing, Art Kraus (OS51) discovered problems in the HazCollect database including:

- Over current 70 marine zones are not in the HazCollect database.
- Over a dozen marine zone numbers in the database have different coverage areas (and names).
- Several marine zones in the database are no longer being used.

A new TTR #69 was generated to document the missing/inaccurate marine zones issue. Due to upcoming national message test, the TRG decided to only use the land areas for the test and not include any marine zones.

Prior to the national message test, Herb White promptly issued the national PNS message and the OT&E test team sent out the monitor/reporting document to the regions for dissemination to all the field offices. The reporting document was generated to instruct field offices on how to report problems found during the test.

On March 9, 2010, the OT&E test team performed the National Message Test by creating and sending a DMIS client test ADR message, using the NWS Test Group COG, to all states (no marine zones) at approximately 2:15pm EST. **The DMIS client and HazCollect message**

queue verification all confirmed successful post and generation of 54 state ADR WMO messages (Kansas and Missouri opted not to participate due to State Tornado drills). Raymond Tanabe (WFO HFO WCM) also called in before the test to add that WFO HFO will only verify the receipt of the ADR message at the AWIPS pending directory but will not disseminate the message to CRS for broadcast to weather radio due to tsunami sensitivity from the previous week.

Overall, the test confirmed that the DMIS client generated test ADR message intended for national dissemination was successful. At the field offices, there were 31 reported issues but they were mostly NOAA Weather Radio with All-Hazards VTEC Enhanced Software (NWRWAVES) state code “CCC000” setup and/or CRS database configuration problems. TTR #71 was generated to track the National Message Test Results. The NWSHQ Software Branch (OPS23) was able to respond to the list of reported problems and was able to provide preliminary analysis to each of the reported problems. After all reported problems from the sites have been addressed, the TRG decided to close TTR #71. For the overall list of reported problems and their corresponding resolutions, please refer to **Attachment D**.

Since the marine zones were not tested during the national message test due to missing/inaccurate marine zones, the TRG decided to schedule an All-Marine Zone Test on March 22, 2010 using only marine zones affecting 47 WFOs. On March 18, 2010 and prior to the marine zone test, Prism successfully updated the HazCollect database with all of the requisite marine zones data conforming to the July 2009 issue of Directive 10-302. Additionally, Prism updated the test national-scope COG which the OT&E test team planned to use for the All-Marine Zone test. Herb White sent out another PNS message and the OT&E test team sent out another reporting document for all 47 sites to report their results. TTR #69 has been closed by the TRG per Prism’s update of the marine zones database.

On Monday March 22, the OT&E test team performed the HazCollect All-Marine Zone test for all 47 affected weather forecast offices (WFO). At the wrap-up meeting (see **5.0 Conclusion**), there were 42 successful confirmations from the field offices, with three sites reporting AWIPS/CRS setup problems that were all addressed by the Software Branch (OPS23). For the issues reported, TTR #73 was generated to track all-marine zones issues, including pending confirmations. For the overall list of reported problems and resolution, please refer to **Attachment E**. The TRG decided to conditionally close TTR #73 pending remaining site confirmations. The remaining confirmations were subsequently received from Guam and Pago Pago and TTR #73 has been closed. Bill Ward (Pacific Region Focal Point) informed the OT&E test team that WFO Pago Pago was using the Interlalia system which was not able to record the results from the test.

During the test, the DMIS client reported an error when the first test ADR message was posted. After being able to repeat the error via a second message, the OT&E test team decided to send a test ADR for all marine zones just for the WFO Miami FL area and then another subsequent test ADR for the rest of the country. In both instances, there were no DMIS client errors reported. A new TTR #76 was generated to track the client issue. Prism (contractor) has initially attributed the problem to commas in zone descriptions and has updated the production database and removed the commas.

The OT&E test team subsequently retested the marine zones and successfully verified (in Active/Test mode) all 47 WMO messages in the HazCollect server (no dissemination as expected). At the TRG meeting, the TRG agreed that Prism will work with DHS, regarding the reported client problems for the all-marine zones testing, after deployment. There is a tested work-around (send messages from one into two messages), including commas that have already been removed from the HazCollect production database. At the wrap-up meeting, the TRG has decided to keep TTR #76 open and has set the **Impact to 4** (Watch Item) and update the **Priority to 4** (Include in a future build) (see **Section 4.0**)

3.6 New COG user registration and file upload

On Tuesday March 23, 2010, Herb White and the OT&E test team confirmed the upload processing in the HazCollect COG admin website by successfully uploading the actual COG data from WI Brown County EM and the IN Spencer County EMA. During the upload, problems in upload file field lengths were reported but a workaround has been identified by limiting the field values to 206 characters. Prism acknowledged the problem as a Sybase database error and will provide a fix after the FOC deployment. A new TTR #74 has been generated to track the COG upload field length issue.

At that wrap-up meeting, Prism indicated that a fixed has been successfully tested and will be provided after deployment. The TRG decided to keep the TTR open and set the **Impact to 3** (less critical) and the **Priority to 3** (Include in the next build after deployment).

3.7 DMIS OPEN API Demonstration

On March 2, 2010, the OT&E test team started the OT&E with WFO San Francisco/Monterey CA (MTR), WFO Sacramento CA (STO), and the local EM from Contra Costa County (Katherine Hern). **The EM was able to successfully generate a CAP message using the Alerting Solutions CapConHC which is DMIS OPEN-API complaint 3rd party incident reporting software using only valid FIPS codes. The message was successfully confirmed receipt at the HazCollect server. The message was also broadcasted at both MTR and STO transmitters.**

Previous weekly siren test ADR messages sent by Katherine Hern and/or Alerting Solutions before the successful demonstration were using zip codes in the CAP messages and these messages were being rejected. During the TRG meeting, Steve Pritchett (HazCollect Project Manager) informed Alerting Solutions that the current DMIS OPEN API only supports FIPS codes and not zip codes. He added that the upcoming DHS DMIS OPEN thin client effort (expected deployment around summer 2010) will address zip codes. He also added that Alerting Solutions software will need to be updated per new OPEN API in support of the new thin client software.

3.8 Performance-based test procedures

On February 17, 2010, the OT&E test team successfully confirmed EM authentication into HazCollect within 5 seconds. During WFO PBZ testing, per visual verification, authentication

via “New NWEM” display, after selecting message from the Alerts List, was instantaneous - within 1 or 2 seconds.

On February 18, 2010, the OT&E test team confirmed a single NWEM message to dissemination systems within 2 minutes. During the WFO PAH testing, the HazCollect message queue input validated message receipt at 16:15:39. On the AWIPS *logStreamExpect* log, using the Product Availability Monitoring System (PAMS), the same message was confirmed receipt by 16:16:13. The total time between the two logs is 74 seconds.

On March 1, 2010, the OT&E test team tested and successfully confirm NWEM processing for multiple simultaneous users. Two separate messages sent at the same exact time (16:00:09) – one from Walter Atherton (WFO PAH EM), and one from NWSHQ. Two separate messages were correctly generated but only one test ADR was received as the duplicate ADR was correctly flagged as an error. When 2 mins apart (16:08:43 and 16:10:45), both messages were correctly received at WFO PAH and each were broadcasted successfully.

4.0 Test Trouble Reports

There were a total of eight new test trouble reports generated during the FOC HazCollect OT&E. These TTRs, including their problem description, priority, and impact are listed in **Attachment F**. The TRG has adjudicated all TTRs for their **Priority** and **Impact**, including five closed TTRs (**69, 70, 71, 73, and 73**) and three open TTRs (**74, 75, and 76**). All open TTRs from the FOC HazCollect OT&E were adjudicated by the TRG to be non-critical and are planned to be resolved after deployment.

The TRG also re-adjudicated HazCollect-related open TTRs (**55, 62, and 66**) from all the previous operational tests and all are listed in **Attachment G**. The rest of the HazCollect-related open TTRs from the previous tests were also considered non-critical and are also planned for resolution after deployment. The list of DMIS-related TTRs, which were not re-adjudicated by the TRG, is listed in **Attachment H**.

5.0 Conclusion

The OT&E testing officially ended on March 26, 2010. On April 1, 2010, OPS24 hosted the FOC HazCollect OT&E Wrap-Up meeting with the TRG consisting of WSH personnel, NWS Employees Organization (NWSEO) representative, regional and test site focal points, and participating emergency managers from Mercer County PA, Daviess County KY, Santa Fe NM, Contra Costa County CA, Anchorage County AK, and from the State of Hawaii. In summary, all test objectives outlined in the OT&E plan were successfully confirmed. All open TTRs were categorized as non-critical and should be fixed after deployment.

Overall, the HazCollect system was able to transmit test messages successfully during the OT&E without any adverse impact to the test sites.

- The test team has successfully coordinated with all test sites and confirmed end-to-end dissemination testing with their local EMs.

- The national message test was successfully conducted on March 9, 2010 with a few minor CRS and/or AWIPS/NWRWAVES setup and/or configuration issues. Subsequently, the all-marine zones test was successfully performed on March 22, 2010 and all 47 WFOs have provided confirmations including pending directory verification and/or actual transmission to CRS and subsequent broadcast to weather radio.
- The HazCollect database, failover, COG file upload, operational modes, and specific performance tests have been successfully confirmed.
- The test team worked with WFO MTR and WFO STO to conduct and confirm the DMIS OPEN API demonstration.

After confirming system status, test objectives and results, and adjudicating test trouble reports, the TRG voted unanimously to recommend the FOC HazCollect system for national deployment. Table 2 lists the actual voting results per voting member.

Table 2 – HazCollect TRG Voting Results

Organization	Representative	Vote to recommend HazCollect for national deployment
Eastern Region	John Koch	Yes
Southern Region	Mike Mach	Yes
Central Region	Gregory Noonan	Yes
Western Region	Jeffrey Lorens	Yes
Alaska Region	Jeffrey Osiensky	Yes
Pacific Region	Bill Ward	Yes (via phone call after meeting)
NWSEO Representative	Michael Dion	Yes (via email vote)
OST33 (Information Technology Security Officer)	Jeremiah Dewey	Yes
OPS24 (OT&E Director)	Bert Viloría	Yes

5.1 Test Objectives Results

The list of all the FOC HazCollect test objectives and results are listed in Table 2. **Per Table 3, all eleven OT&E test objectives outlined from the HazCollect OT&E Plan were successfully confirmed.**

Table 3 – HazCollect OT&E Test Objectives and Results

Item	Test Objective	Results
1	Confirm the following setup/configurations: <ul style="list-style-type: none"> i. DMIS installations for emergency managers ii. Collaborative Operations Groups (COG) setup and EM/user registration iii. OT&E sites configured (AWIPS, CRS, NWRWAVES) for HazCollect 	PASS

Item	Test Objective	Results
2	Verify the operation of the HazCollect system. <i>There were no reported HazCollect-related OT&E site operational problems for the duration of the OT&E.</i>	PASS
3	Verify HazCollect products for end-to-end dissemination. <i>(see Section 3.1)</i>	PASS
4	Verify availability of required HazCollect documents. <i>Documentation listed in OT&E Test Plan was provided by OPS24 and Prism and are available on the OPS24 share drive and/or online at:</i> http://www.nws.noaa.gov/ops2/ops24/documents/hazcollect_docs.htm	PASS
5	Verify the HazCollect operational modes. <i>(see Section 3.2)</i>	PASS
6	Verify the HazCollect database functionality. <i>(see Section 3.3)</i>	PASS
7	Verify the HazCollect failover functionality. <i>(see Section 3.4)</i>	PASS
8	Verify the HazCollect national message functionality. <i>(see Section 3.5)</i>	PASS
9	Verify COGs/user registration and file upload into HazCollect. <i>(see Section 3.6)</i>	PASS
10	Demonstrate DMIS OPEN NWEM API end-to-end functionality. <i>(see Section 3.7)</i>	PASS
11	Verify user-related HazCollect performance-based test procedures <i>(see Section 3.8)</i>	PASS

5.2 Questionnaires

The OT&E test team sent questionnaires to all the OT&E test sites and their local emergency managers to gather their opinions about the FOC HazCollect and the DMIS client and/or DMIS OPEN API compliant software including its suitability for general implementation. The responses received from the sites are listed in **Attachment I** and their EMs in **Attachment J**.

6.0 Recommendations

At the Wrap-Up meeting, the TRG agreed to the following recommendations/action items:

- a. There are no HazCollect-related open TTRs that were considered critical.
- b. The HazCollect-related open TTRs, from the OT&E (TTRs #74, 75, and 76) and from the previous operational tests (TTRs #55, 62, and 66), have been re-prioritized for resolution after deployment.
- c. The HazCollect-related open TTRs that currently have reasonable and acceptable workarounds (TTR #55) will be addressed after deployment.
- d. The All-Marine Zone TTR #73 was initially adjudicated 'conditionally closed' pending responses from all 47 affected WFOs. To date, all 47 WFOs have responded and TTR #73 has been closed. According to Bill Ward (Pacific Region Focal Point), WFO Pago Pago was not able to report status due to their use of the Interlalia system at the time of the All-Marine Zone test.
- e. Steve Pritchett (HazCollect Project Manager) reported to the TRG that DHS/FEMA is currently working and/or testing on the latest DMIS thin client software which is tentatively planned for deployment in early summer of 2010. Due to on-going efforts for the new software, he also added that there are no current plans from DHS/FEMA to fix the current list of DMIS client (version 2.3.3) related TTRs listed in **Attachment H**.

Attachment A – Test Review Group Members

Name (Organization)	Function	Phone	Voting Member?
Jae Lee (OPS24)	Test Review Group Chair	(301) 713-0326 x160	YES *
Bert Vilorio (OPS24)	OT&E Director	(301) 713-0326 x131	YES
Steve Pritchett (OST11)	HazCollect Project Manager	(301) 713-3557 x172	
Robert Bunge (OPS33)	Chief, Telecommunications Software Branch	(301) 713-0882 x114	
Mahnaz Dean (OPS32)	Chief, Operations Branch, TOC	(301) 713-0864 x171	
Herb White (OS51)	WSH Test Support	(301) 713-0090 x146	
Arthur Kraus (OS51)	WSH Test Support	(301) 713-0090 x161	
Susan Murphy (OPS32)	WSH Test Support	(301) 713-0864 x174	
Kevin Conaty (OPS32)	WSH Test Support	(301) 713-0864 x170	
Frances Yang (OPS33)	WSH Test Support	(301) 713-0877 x127	
Walter Mussante (OPS33)	WSH Test Support	(301) 713-0877 x145	
Odon Dario (OPS34)	WSH Test Support	(301) 713-0510 x172	
Jeremiah Dewey (OST31)	Information Technology Security Officer	(301) 713-1570 x127	YES
Michael Dion (OS6)	NWSEO Representative	(301) 713-1792 x142	YES
John Koch (ER1) John Guiney (ER1)	Eastern Region Focal Points	(631) 244-0104 (631) 244-0121	YES
Mike Mach (SR11)	Southern Region Focal Point	(817) 978-1100 x108	YES
Gregory Noonan (CR4)	Central Region Focal Point	(816) 891-7734 x301	YES
Craig Schmidt (WR1) Jeffrey Lorens (WR1)	Western Region Focal Points	(801) 524-4000 x266 (801) 524-4000 x265	YES
Jeffrey Osiensky (AR1)	Alaska Region Focal Point	(907) 271-5132	YES
Bill Ward (PR)	Pacific Region Focal Point	(808) 532-6415	YES
Richard Kane (WFO PBZ WCM)	ER Site focal point	(412) 262-2170 x223	YES+
Kerry Jones (WFO ABQ WCM)	SR Site focal point	(505) 244-9150 x223	YES+
Ricky Shanklin (WFO PAH WCM)	CR Site focal point	(270) 744-6440 x726	YES+
Tom Evans (WFO MTR WCM)	WR Site focal point	(831) 656-1710 x223	YES+
Kathy Hoxsie (WFO STO WCM)	WR Site focal point	(916) 979-3046 x223	YES+
Sam Albanese (WFO AFC WCM)	AR Site focal point	(907) 266-5117	YES+
Raymond Tanabe (WFO HFO WCM)	PR Site focal point	(808) 973-5275	YES+

Name (Organization)	Function	Phone	Voting Member?
John Nicklin	Mercer County, PA EM	(724) 662-6100 x2441	YES++
Joyce Purley	Santa Fe, NM EM	(505) 955-6537	YES++
Walter Atherton	Daviess County, KY EM	(270) 685-8448	YES++
Katherine Hern	Contra Costa County, CA EM	(925) 313-9635	YES++
Rob Fitch	Anchorage, AK EM	(907) 343-1404	YES++
Tom Simon	State of Hawaii, HI EM	(808) 733-4300 x541	YES++

* TRG Chair only votes in the event of a tie vote.

+ WFO focal points will consolidate their vote with their regional focal points

++ Site local emergency managers will consolidate their votes with their local weather forecast offices.

Attachment B – HazCollect OT&E Test Sites

Region	OT&E Site	MIC / POC / EM
Eastern	WFO Pittsburgh, PA (PBZ) 192 Shafer Road Moon Township, PA 15108 (412) 262-1591	Richard Kane (WCM) (412) 262-2170 x223 richard.kane@noaa.gov Joseph Palko (412) 262-2582 x235 joseph.palko@noaa.gov John Nicklin (EM) Deputy EMA Director, Mercer County, PA 205 S. Erie St. Mercer, PA 161237 (724) 662-6100 x2441 (724) 685-1140 (Cell) jnicklin@mcc.co.mercer.pa.us
Southern	WFO Albuquerque, NM (ABQ) 2341 Clark Carr Loop SE Albuquerque, NM 87106 (505) 243-0702	Shawn Bennett (MIC) shawn.bennett@noaa.gov (505) 244-9150 x222 Kerry Jones (WCM) Kerry.jones@noaa.gov (505)244-9150 x223 Joyce Purley Emergency Preparedness Coordinator PO Box 909 Santa Fe, NM 87504 (505) 955-6537 jwpurley@santafenm.gov
Central	WFO Paducah, KY (PAH) 8250 KY Highway 3250 West Paducah, KY 42086-6440 (270) 744-6440	Beverly Poole (MIC) (270)744-6440 x642 beverly.poole@noaa.gov Rick Shanklin (WCM) (270)744-6440 x726 ricky.shanklin@noaa.gov Walter Atherton, Daviess Co. KY EM/ Comms Supervisor 212 St Anne Street Room 3 Owensboro, KY 42301 270.685.8448 Office/EOC 270.929.4257 Cell atherton@daviessky.org

Western	<p>WFO San Francisco Bay Area//Monterey, CA (MTR) 21 Grace Hopper Ave, Stop 5 Monterey, CA 93943-5505 (831)-656-1725</p>	<p>David Reynolds (MIC) (831)656-1710 x222 david.reynolds@noaa.gov</p> <p>Tom Evans (WCM) (831) 656-1710 x223 tom.evans@noaa.gov</p> <p>Katherine Hern Emergency Manager 50 Glacier Drive Martinez, CA 94553 (925) 646-4461 (Main) (925) 313-9627 (925) 383-6415 (Cell) khern@so.cccounty.us</p>
	<p>WFO Sacramento CA (STO) 3310 El Camino Avenue Sacramento, CA 95821 (916) 979-3045</p>	<p>Daniel Keeton (MIC) (916) 979-3041 x222 elizabeth.morse@noaa.gov</p> <p>Kathy Hoxsie (WCM) (916) 979-3046 x223 kathryn.hoxsie@noaa.gov</p>
Alaska	<p>WFO Anchorage, AK (AFC) 6930 Sand Lake Road Anchorage, AK 99502-1845 (907) 266-5102</p>	<p>Robert Hopkins (MIC) (907) 266-5120 bob.hopkins@noaa.gov</p> <p>Sam Albanese (WCM) (907) 266-5117 sam.albanese@noaa.gov</p> <p>Rob Fitch Anchorage EOC (907) 343-1404 fitchra@muni.org</p>
Pacific	<p>WFO Honolulu, HI (HFO) 2525 Correa Rd, Suite 250 Honolulu, HI 96822 (808) 973-5286</p>	<p>James Weyman (MIC) 808-973-5272 james.veyman@noaa.gov</p> <p>Raymond Tanabe (WCM) (808) 973-5275 raymond.tanabe@noaa.gov</p> <p>Tom Simon Hawaii State Civil Defense (Emergency Mgt) (808) 733-4300 x541 (Office) (808) 620-5411 (Cell) tsimon@scd.hawaii.gov</p>

Attachment C – HazCollect Failover Processing Test Results

Test #	Description	Action	RTG		BTG	Expected Action	Pass/ Fail
			Server HAZC1	Server HAZC2	Server HAZC1		
1	Initial connection test – send test ADR to VIP address . All servers and routes are alive.		ON	ON	OFF	ADR message sent through RTG VIP, RTG Server HAZC1 successfully.	PASS
2	Remove RTG HAZC1 from RTG VIP cluster. Send test ADR message .	HAZC1 not in service	OFF	ON	OFF	ADR message sent through RTG VIP, RTG Server HAZC2 successfully.	PASS
3	Put back RTG HAZC1 into cluster and remove HAZC2 from RTG VIP cluster. Send test ADR message .	HAZC1 put back in service HAZC2 not in service	ON	OFF	OFF	ADR message sent through RTG VIP, RTG Server HAZC1 successfully.	PASS
4	Put RTG HAZC2 back in cluster; remove RTG VIP , Un-Advertise RTG VIP thru NOAAnet. Add BTG VIP , Advertise BTG VIP thru NOAAnet. Send test ADR message .	RTG: HAZC2 in service NO VIRTUAL VIP BTG: VIRTUAL VIP	OFF	OFF	ON	ADR message sent through BTG VIP, Server HAZC1 successfully.	PASS
5	Put BTG VIP off service, Un-Advertise BTG VIP thru NOAAnet. Add RTG VIP , Advertise RTG VIP thru NOAAnet. Send test ADR message .	BTG: NO VIRTUAL VIP RTG: VIRTUAL VIP	ON	ON	OFF	ADR message sent through RTG VIP, Server HAZC1 successfully.	PASS

Attachment D – HazCollect National Message Test Results

EASTERN			
	WFO	REPORTED ISSUES	RESOLUTIONS
ALY	Albany, NY	<p>WFO Albany observed the following issues with the HazCollect test:</p> <ol style="list-style-type: none"> 1. No red banners for any ADR message. 2. A second batch of ADR messages was received at 1949Z. These were not transmitted to NWR. <p>Reported by Raymond O’Keefe Raymond.Keefe@noaa.gov</p>	<p>Initial CRS Staff Analysis</p> <ol style="list-style-type: none"> 1. Investigation required by Mike Moss 2. NWRWAVES properly processed second batch of ADR messages. Messages were placed in pending directory but not transmitted to NWR. CRS Staff is unable to determine if messages were deleted from browser. <p>Update response from Mike Moss to Tom Fillagi 3/11/2010</p> <p>This past Tuesday a nationwide test of HazCollect was conducted. When a HazCollect product is stored on AWIPS it triggers a script, written by MarySue, called transmitHazardWarnings.pl. One of the many things this script does is create a red banner message via a call to fxaAnnounce with the following arguments:</p> <pre>-- announce_msg= "Non-weather emergency message ..."</pre> <pre>-- displayer_type=SYSTEM</pre> <pre>-- importance=URGENT</pre> <pre>-- audio_file=pleasant.au</pre> <p>One site noted that there were no red banner messages for the HazCollect product. Could you give possible reasons why the red banner message would not have displayed.</p> <p>Tom Fillagi responded :</p> <p>As you may know, Guardian is now the application that receives such messages. Guardian allows for much more customization than the old Announcer. It is possible that the Guardian config for the</p>

			<p>'ANNOUNCER' source has pop-ups turned off. This may be a machine default, or it could be a personal user setting.</p> <p>Tom Fillagi response 3/11/2010: The site ALY has turned off all popups from the ANNOUNCER source, in all of its Guardian config files. This is not a wise move, as they have turned off all <i>Announcer</i> popups, for all subjects (including things like radar). I understand the field's frustration with message management (ie: too many unimportant popups), but this is like killing a fly with a sledgehammer. Guardian was built for customization and there are ways to mitigate 'bad' messages by using the designed functions of Guardian.</p> <p>Of course, this would not be an issue if OSIP 06-011 had been managed well and addressed. (This OSIP item intended to clear out the Announcer bottleneck in Guardian, but got derailed and basically shelved.) Feel free to ignore my rant - I know you are not the one I should be directing any ranting to. :-)</p> <p>In regards to your test, they will see popups if they turn them on in Guardian for the ANNOUNCER Source (for whatever machine they use for this test). If they are hesitant to do that, you can suggest they contact me and I can instruct them on how to keep their existing settings, but use Guardian's 'Forced Response' capability to have just this particular message yield a popup.</p>
BOX	Boston/Taunton MA	<p>We ran the HazCollect national test this afternoon, and there were scattered problems across the country. Most of them appear to be related to NWRWAVES set-up issues, which the CRS folks here are working. However, in the process of going through all the text messages (on the SRH and CRH data servers) to ensure that they had the correct</p>	<p>UPDATE (3/10/10): Alan Dunham (CRS Program Leader, WFO Boston) reports: "We had an internal problem with the HAZCOLLECT test here at BOX yesterday. Around 2:35 PM the</p>

		<p>WMO headers and UGC, I noticed there were multiple messages from four New England states - CT, RI, MA, and NH. The original test was run at 215 pm EST, and the other messages were sent between 230 and 300 pm.</p> <p>In addition to potentially causing multiple activations of EAS, the re-sent state message from NH (at 250 pm EST) had the wrong WMO header (NOUS41 KGYX rather than WOUS41 KGYX).</p> <p>We had asked WFOs that experienced problems to e-mail or call us. We didn't receive anything from that part of the country, but the re-sent messages all point to WFO BOX. John Jensenius had e-mailed about another aspect of the test this afternoon, and I verified with him that the NH message did not originate at Gray.</p> <p>When you get a chance, could you please follow-up with Taunton to see if they did originate the multiple re-sends, and if they had problems with the test to please document and forward them to us at their earliest convenience.</p> <p>Reported by Art Kraus (OS51)</p>	<p>duty HMT came to me saying that the HAZCOLLECT ADR message was not showing up in our NWRWAVES. I investigated the problem and realized that I/we did not have an LAC of MAC000, NHC000, CTC000 or RIC000 established for the transmitter in NWRWAVES (I did have MAZ000, NHZ000, CTZ000 and RIZ000 as all zones set up but did not realize that I had not done the same for an all counties LAC.</p> <p>I corrected this problem within NWRWAVES. I then resent the products via AWIPS (I maybe should not have done that but I wanted to ensure that the fix I had made in NWRWAVES had worked. I deeply apologize if this was an incorrect thing to do but felt it was important to make sure that things worked properly at our end for the HAZCOLLECT program) and everything worked as it should have with no other problems encountered..."</p> <p>Site retested successfully.</p>
GYX	Portland, ME	<p>The message went out fine but generated confusion at the county and local levels because of the:</p> <p>BULLETIN – EAS ACTIVATION REQUESTED</p> <p>Since this is just an administrative message, I don't think the line is appropriate.</p> <p>Reported by John Jensenius John.Jensenius@noaa.gov</p>	<p>Art Kraus (OS51) responded: I see your point, but real ADRs could be used as follow-up messages to non-weather warning messages, which would justify the use of the BULLETIN broadcast instruction. I don't know how much work it would take to change that to URGENT for true Administrative Messages, assuming it could even be done in the HazCollect server. Herb and I will mull that over when he's back in the office.</p>
LWX	Baltimore/ Washington	<p>We were only partially successful with the ADR test today.</p> <p>1) ADRVA ADRMD and ADRWV were generated and sent to Pending in our NWRBrowser, at which point they were successfully sent, and placed in the cycle of NWR. No alert tones of any kind were on the products.</p> <p>2) ADRDC and ADRPA were not generated or sent by NWRWAVES. Our ITO</p>	<p>CRS Staff Analysis</p> <p>Log files indicate that DC000 and PA000 were not in the transmitter_cfg.LWX at the time of testing.</p>

		<p>is checking into why.</p> <p>3) ADRVA attempted to generate twice, one was marked unsuccessful with a faulty expiration time. (But again one did work – see above). ITO is looking into this as well.</p> <p>More news as I get it. ----- Update...</p> <p>* The DC and PA ADRs did not get generated because the ALL STATE 000 codes for DC and PA were not in our NWRWAVES. They are now. They were already in our CRS, so no issue there. That issue should be fixed.</p> <p>* WBCADRVA was sent twice. It is in our AWIPS text database twice as identical versions. I think the error flag there was just for a dup product (although the error indicated faulty expiration time – which was fine). In any case, the prod sent successfully when the 1st one came across.</p> <p>Reported by Christopher Strong Christopher.Strong@noaa.gov</p>	
MHX	Morehead City, NC	<p>WFO MHX received the ADRNC message over AWIPS but the ADR messages did not go to the NWRWaves browser. Upon investigation it was discovered that the ADR was not listed in our AWIPS trigger file to process through NWRWAVES.</p> <p>Reported by John Cole john.cole@noaa.gov</p>	State code “CCC000” setup problem

PHI	Philadelphia/Mt Holly	<p>Everything went off without a hitch at the Mt. Holly office for the HazCollect test this afternoon. The only thing of note was it appears that NWRWAVES did not correctly format the message before sending it over to CRS. The entire header was not stripped from the product by NWRWAVES so when it was played on the radio, it read everything.</p> <p>It was not a really big issue although it did sound pretty bad over the airwaves. Please correct me if I am wrong, but I could have sworn that last year when HazCollect took place, the header was stripped. I am not sure if this was a national issue with the ADR product itself or something our office needs to look into. Just thought I would give you all a heads up on this. Thanks for your time.</p> <p>Reported by Greg Heavener Greg.Heavener@noaa.gov</p>	<p>CRS Staff Analysis AWIPS OB9.1 version and Cafe formatter. PHI is experiencing a known logic problem with the CAFÉ NWEM formatter. The regular expression on line 481 in /home/CRS/NWEM/nwem.tcl file is statically programmed for 2009.</p> <p>Solution: WFO PHI needs to make the following change in the /home/CRS/NWEM/nwem.tcl file until they have AWIPS OB9.2 installed.</p> <p>From set a [regexp {[]200[0-9]} \$speci year] To set a [regexp {[]201[0-9]} \$speci year]</p>
SOUTHERN			
EPZ	El Paso, TX	<p>Test messages ABQADRNM & SATADRTX arrived on time; red banner on AWIPS announced it. Messages didn't make to NWRWAVES. The ADR is in the NWRWAVES product configuration. Thru NWRWAVES, I cut & paste into a previously sent product with the appropriate ABQADRNM & SATADRTX NWR ID's, times, LAC's, etc. Once sent this way, all processed seamlessly</p> <p>Reported by Frank Kielnecker frank.kielnecker@noaa.gov</p>	<p>Site retested successfully.</p>

FWD	Fort Worth/Dallas	<p>Today's scheduled HazCollect test was not successful for WFO Fort Worth/Dallas (FWD)</p> <p>The message SATADRTX was received into AWIPS.</p> <p>The NWEM log files state: (/aawips/adapt/NWRWAVES/LOGS/nwrwaves.030910.log) Processing SATADRTX... WARNING: No UGC matches found on any transmitters. Exiting. The text trigger is there for SATADRTX as found in /aawips/fxa/postgres/fxatextTriggerActions.txt SATADRTX /aawips/fxa/bin/StartTransmitHazWarnings.csh GEN</p> <p>Reported by Mark Fox Mark.Fox@noaa.gov</p>	State code "CCC000" setup problem
HGX	Houston TX	<p>Red banner popped up on AWIPS for ADRTX. However product never made it to the browser (pending) or CRS. The UGC code TXC000 was apparently not recognized based on log files.</p> <p>Reported by Dan Reilly Dan.Reilly@noaa.gov</p>	State code "CCC000" setup problem
JAX	Jacksonville, FL	<p>At WFO Jacksonville, FL (JAX), the ATLADRGGA and the MIAADRFL messages were received on AWIPS (red banner messages and text product). Neither of the ADRs went to CRS – not to the pending window in the browser, and not automatically disseminated. The Activity Log file log procedure was accomplished.</p> <p>Reported by Mike McAllister Michael.Mcallister@noaa.gov</p>	State code "CCC000" setup problem
KEY	Key West, FL	<p>The ADRFL (WOUS42 KTAE) message received as part of the HazCollect OT&E arrived in AWIPS on-time at 1915 UST March 09. However, it never made it through NWRWAVES to the "Pending" Column, and thus never made any attempt to go to CRS and the NOAA Weather Radio broadcast.</p> <p>We investigated and found within the NWRWAVES log (on AWIPS) that the area code FLC000 was not recognized as a valid broadcast code. I am unable to ascertain whether inclusion of this code was a part of the pre-</p>	State code "CCC000" setup problem

		<p>installation instructions for AWIPS OB9.2 at this time. It is our belief that once NWRWAVES has the generic Florida FIPS FLC000 as a FIPS code for all our transmitters just like our normal broadcast FIPS codes and Local Area Codes, NWRWAVES would have processed the ADRFL message as required.</p> <p>Because there was never any transmission from AWIPS to CRS, there is no transmission log entry on CRS acknowledging any ADRFL message on the broadcast, and that log is therefore not included as an attachment.</p> <p>I will provide an update on the status to when the correction to the NWRWAVES (inclusion of the FLC000) is applied at WFO KEY.</p> <p>Reported by Jonathan Rizzo Jonathan.Rizzo@noaa.gov</p>	
LCH	Lake Charles, LA	<p>At Lake Charles, we received ADRLA and ADRTX in AWIPS. Normally, messages such as this are put in the queue (pending) in NWRWAVES for us to check before releasing. Messages did not get to NWRWAVES and CRS. I checked the NWRWAVES Setup Utility and CRS to make sure product were set up correctly. I went into NWRWAVES log file in AWIPS and saw error messages for both products stating Warning: No UGC matches found on any transmitters. Exiting. Looks like something with latest build.</p> <p>Reported by Todd Mogged Todd.Mogged@noaa.gov</p>	State code "CCC000" setup problem
OUN	Norman/Oklahoma City OK	<p>Oklahoma and Texas ADRs were received into AWIPS, however NWRWAVES is not properly configured to handle zone 000. Will work with ITO to correct situation. Did not include activity logs because process failed before reaching CRS.</p> <p>Reported by Bruce Thoren Bruce.Thoren@noaa.gov</p>	State code "CCC000" setup problem
SHV	Shreveport, LA	<p>WFO Shreveport, LA HazCollect test of the ADR product today failed to make it to CRS. The problem is believed to be with the LAC000 generic coding of the product (for each state's ADR) and the setup of NWRWAVES in our AWIPS. None of the ADR messages (NEWADRLA, SATADRTX, OKCADROK, LITADRAR) made it to the Pending queue or to the Sent queue</p>	State code "CCC000" setup problem

		<p>in the NWR Browser. So the products never got out of the AWIPS. Steps will be taken to correct the problem.</p> <p>Reported by Ken Falk Ken.Falk@noaa.gov</p>	
TBW	Tampa Bay, FL	<p>The HazCollect National ADR Message Test did not make it to CRS at WFO Tampa Bay (TBW). Below is what I know.</p> <p>This worked:</p> <ul style="list-style-type: none"> - The TBW AWIPS received the red banner alarm for ADRFL (ANNOUNCER: Non-weather emergency product MIAADRFL will be sent to CRS and NWWS) - We could view ADRFL in the text browser <p>This didn't work:</p> <ul style="list-style-type: none"> - ADRFL did not show up in the AWIPS NWR Browser's pending directory - CRS Alert Monitor window showed no error message - CRS Activity Log showed no listings for the ADR (HCS030910 file was saved) <p>Reported by Daniel Noah Daniel.Noah@noaa.gov</p>	State code "CCC000" setup problem
TSA	Tulsa, OK	<p>Per instructions, the following occurred during this National Test. Guardian Message Alerted as expected, however, no product appeared in the NWR Browser.</p> <p>The following message(s) were discovered by ITO-</p> <p>Mar 09 19:15:52 GMT -- Processing OKCADROK... Mar 09 19:15:52 GMT -- WARNING: No UGC matches found on any transmitters. Exiting.</p> <p>Reported by Joe Sellers Joe.Sellers@noaa.gov</p> <p>The same message for LITADRAR was in the logs. The transmitHazardWarnings logs on dx1 showed no errors.</p>	State code "CCC000" setup problem

		Reported by Jamie Frederick James.Frederick@noaa.gov	
CENTRAL			
BIS	Bismarck, ND	<p>Our radio transmitters cover 3 states, so we process ND, MT and SD messages. All 3 ADR messages gave us a red banner when they came in, but none of them were processed by NWRWAVES. We looked at the NWRWAVES setup again and found that: ALL North Dakota,ND was not in the Routine Broadcast Selected Counties/Zones window for our transmitters. Also, All South Dakota,SD and All Montana,MT were not in the list for the specific transmitters that would broadcast those messages either. However, the file /awips/adapt/NWRWAVES/bin/localUGCLookup.table file did have them all listed. Not sure what went wrong there.</p> <p>Before the ADR messages had timed out, we re-did the "Edit Local LAC's" procedure and used NWRWAVES to reprocess the GTFADRMT, BISADRND, FSDADRSD messages. This time, the MT and ND messages went to the correct transmitters on CRS and played out fine.</p> <p>The FSDADRSD message processed fine, but did not play on CRS...we got a CRS error concerning assigned counties...our CRS focal point and I will review the CRS setup for that product.</p> <p>Reported by David DeRung Dave.Derung@noaa.gov</p>	<p>CRS Staff Analysis:</p> <p>FSDADRSD product was rejected by CRS because the county code for the state of South Dakota was not added to the WFO(s) CRS county list. This caused CRS to throw an error when SDC000 was encountered.</p> <p>Solution:</p> <p>WFO BIS needs to add SDC000 to their CRS Listening Area Codes database table.</p>
BOU	Boulder, CO	<p>Byron Louis was on call and first reported problems at Boulder, CO. "Error sending product NWEM...". First diagnosis is an NWRWAVES problem. <email></p> <p>Attached is the log file that was generated at :15 minutes past the hour. The logs were taken on dx1 in /data/logs/fxa/xxx. As you will see, it does appear that the product DENADRCO was triggered and processed. I also do see product house in HazCollect storage.</p> <p>Reported by Dave Tomalak (ITO BOU) David.Tomalak@noaa.gov</p>	<p>State code "CCC000" setup problem</p>
GRB	Green Bay, WI	<p>We had no major issues with the test, but please note that we are NOT on OB9.2, yet. (Install scheduled for 3/11/10.)</p>	<p>NOTE: Since this is from the vendor community, Herb</p>

		<p>We did have an issue with a national vendor. At least one reverse 911 service (MyStateUSA) in my county warning area sent the following phone text message, based on the test message, to subscribers:</p> <p style="text-align: center;">"Action required for xyyzz County. Tune to local news."</p> <p>This is not good! The county emergency manager contacted MyStateUSA and was told they (MyStateUSA) were <u>not</u> notified of the test.</p> <p>Reported by Jeff Last Jeff.Last@noaa.gov</p>	<p>White/Art Kraus (OS51) should respond to this one.</p> <p>Herb White responded to the notification issues at the March 11, 2010 TRG meeting and will address them at a later time.</p>
MKX	Milwaukee, WI	<p>I suppose you are aware, but there were problems with the test. At my local WFO MKX, the NWR did not air any alert. I talked to Paul Collar at MKX (WCM Rusty Kapela is traveling). Paul said they "saw the text of the alert, but CRS did not react to it".</p> <p>I did not see it clear on the NWWs here at the station either. I have not yet gathered reports from around the state to know if the issue was statewide, or just at MKX.</p> <p>Reported by Gary Timm gtimm@journalbroadcastgroup.com</p>	<p>NOTE: Since this is from the EAS community, Herb White/Art Kraus (OS51) should respond to this one.</p> <p>Herb White responded to the notification issues at the March 11, 2010 TRG meeting and will address them at a later time.</p>

MPX	Twin Cities/ Chanhassen, MN	<p>This response is for WFO MPX (Twin Cities/Chanhassen, MN).</p> <ol style="list-style-type: none"> 1. No message appeared in the Pending or Sent side of the NWR Browser. 2. We received two messages, for the two states we covered in AWIPS (these alerted via text alert and red banner). They were MSPADRMN and MKEADRWI. 3. No, neither message showed up in the Pending (or Sent) portion of the NWR Browser. 4. No, nothing was broadcast per the log file review (file as saved as instructed). <p>When manually reviewing the Weather Messages in CRS for the products (MSPADRMN and MKEADRWI) it appeared to have products in there with create times of 1919 and 1920 respectively, but these were never broadcast per the logs, nor did they ever appear in the Pending or Sent side of the browser.</p> <p>Reported by Tom Hultquist Thomas.Hultquist@noaa.gov</p>	State code "CCC000" setup problem
PUB	Pueblo, CO	<p>NWS Pueblo, CO(PUB) received the DENOARCO text product in AWIPS. Forecasters indicated it appeared to go over to CRS; however, the product did not make it into CRS per the logs. I saved the active log search for ADR during the designated times. it is located under /crs/data/SL/logs file name HCS030910.</p> <p>Reported by Dave Metz David.Metze@noaa.gov</p>	State code "CCC000" setup problem
WESTERN			

BYZ	Billings, MT	<p>We monitored products from MT, WY, ND, and SD. All products were received, showed up in the pending directory in the NWRbrowser and transmitted fine through CRS. We did get one red banner error message and I'm not sure if it was a local NWRWAVES config issue or not.</p> <p>"Error sending Non Weather Emergency Product BISADRND"</p> <p>The product appeared just fine when viewed in NWRWAVES and transmitted just fine. Our ITO reviewed the NWRWAVES log and noted similar errors for all the states, but just the ND error showed up as a red banner alert.</p> <p>He did the following: Added lines for MTC000, WYC000, NDC000, and SDC000 in the /awips/adapt/NWRWAVES/bin/UGCllookup.table He thought this was the problem.</p> <p>Reported by Tom Frieders Tom.Frieders@noaa.gov</p>	<p>State code "CCC000" setup problem</p>
CYS	Cheyenne, WY	<p>At WFO Cheyenne the messages (one for Nebraska and one for Wyoming) came in as expected and went to the pending directory. Messages were sent manually to CRS. The ADR showed up on all three transmitters in Nebraska but only one of three transmitters in Wyoming.</p> <p>Reported by John Griffith John.Griffith@noaa.gov</p>	<p>CRS Staff Analysis: ADR messages resided in a high suite without triggers. Message that played were able to because of transmitter already in a high suite due to actual weather messages.</p> <p>Solution: Site placed message type in general suite.</p>
EKA	Eureka, CA	<p>The ADRCa and ADROr both arrived in our AWIPS database. Neither product went to the pending or automatically transferred to CRS. The CRS activity logs show no activity during that time. Last year the test worked fine, we think the problem may be with our local configuration of products to be automatically placed in pending for transfer to CRS. We checked the triggers and the trigger did function calling NWRWAVES.</p> <p>Reported by Mel Nordquist Mel.Nordquist@noaa.gov</p>	<p>State code "CCC000" setup problem</p>

FGZ	Flagstaff, AZ	<p>WFO FGZ should have received both ADRAZ and ADRNM.</p> <p>PROBLEM: ADRNM didn't appear in the NWR Browser PENDING window/folder. Consequently, we were unable to send it to CRS.</p> <p>The ADRAZ message appeared and was transmitted as described.</p> <p>P.S. CRS Transmit Logs are saved in HCS020910, as directed.</p> <p>Reported by George Howard george.howard@noaa.gov</p>	<p>CRS Staff Analysis: The AWIPS database trigger definition did not contain an entry for ADRNM.</p> <p>Solution: Add the following to the AWIPS database trigger definition: PHXADRAZ /awips/fxa/bin/startTransmitHazWarnings.csh GEN</p>
LKN	Elko, NV	<p>WFO LKN received the AWIPS red banner message, but failed to see anything move into our NWRbrowser. I checked the CRS activity log, but there was no record of the ADR being transmitted. I have attached the message our ESA was able to retrieve from AWIPS. Our ESA will check on the configuration of OB9.2 HazCollect installation.</p> <p>Reported by Michael Fitzsimmons Michael.Fitzsimmons@noaa.gov</p>	<p>CRS Staff Analysis:</p> <p>Log files indicate that site has never setup for IDC000 and NVC000 in either localUGClookup.table and transmitter_cfg.LKN files.</p>
LOX	Los Angeles/ Oxnard CA	<p>We received the AWIPS red banner message, but did not find anything in our NWRbrowser. The CRS activity log did not show any transmitted ADR either (log was copied to CRS as requested). I believe our triggers may not have been set correctly for SFOADRCA. We may have set up for LAXADRXXX message types instead.</p> <p>Reported by Eric Boldt Eric.Boldt@noaa.gov</p>	<p>State code "CCC000" setup problem</p>
OTX	Spokane, WA	<p>The state messages for Washington, Idaho and Montana were received correctly, but not processed by NWRWAVES. Upon initial investigation we determined that the county codes in the ADR messages were incorrect and this was the reason why they did not process correctly. Upon further investigation we determined we had not completed the AWIPS OB9.2 installation configuration instructions which addressed this issue with how NWRWAVES processes ADR/HazCollect messages.</p>	<p>On call, WFO OTX has found error, fixed, and re-run the messages through, and messages were broadcasted with no problems.</p> <p>Site retested successfully.</p>

		<p>The AWIPS OB9.2 configuration was completed, the messages were rerun, they made it to the pending directory on NWRWAVES and they were sent to CRS. The messages played on the appropriate NWRs and the test was successfully completed at WFO Spokane WA.</p> <p>Reported by John Livingston John.Livingston@noaa.gov</p>	
SEW	Seattle, WA	<p>The FOC HazCollect OT&E National Message Test failed to get into NWRWAVES and CRS at WFO Seattle, Washington (SEW).</p> <p>Following receipt of AWIPS PIL "SEAADRWA", a red banner pop-up appeared in AWIPS stating "Error sending non-weather emergency product SEAADRWA to CRS and NWWWS". The message did not come up in the NWRWAVES pending folder, and the Activity Log on CRS did not indicate receipt or transmission of the ADR message.</p> <p>Reported by Andrew Haner Andrew.Haner@noaa.gov</p>	State code "CCC000" setup problem
SLC	Salt Lake City, UT	<p>Regarding the HazCollect National Message Test today, an issue was encountered at WFO SLC. The ADR messages were received in AWIPS for each of the 5 states (AZ, ID, NV, UT, and WY) served by WFO SLC NWR transmitters. For each state ADR, NWRWAVES processing initially failed, as NWRWAVES was not configured to process the 000 (AZC000, IDC000, NVC000, UTC000, and WYC000) coding. Once this issue was resolved, the SLCADRUT message was processed and broadcast on all appropriate transmitters. Due to timeliness issues, the ADR messages for the remaining states were not forwarded for transmission. Finally, the CRS Transmit Logs have been saved.</p> <p>Reported by Kevin Barjenbruch Kevin.Barjenbruch@noaa.gov</p>	<p>CRS Staff Analysis</p> <p>Log files indicate that the site had never setup for XXC000 in neither localUGClookup.table and transmitter_cfg.LKN files. They did add only UTC000 afterwards and re-issued SLCADRUT which the message went fine. They do need to add and configure the rest of XXC000 for adjacent states.</p>

Attachment E – HazCollect All-Marine Zones Test Results

Region	Station ID	WFO Location	Results	Resolution
Eastern				
	AKQ	Wakefield, VA	Successful.	
	BOX	Taunton, MA	Successful.	
	BUF	Buffalo, NY	Successful.	
	CAR	Caribou, ME	Successful.	
	CHS	Charleston, SC	Successful.	
	CLE	Cleveland, OH	Successful.	
	GYX	Gray, ME	Successful.	
	ILM	Wilmington, NC	Successful.	
	LWX	Baltimore MD/Washington DC	Successful.	
	MHX	Newport/Morehead City, NC	Successful.	
	OKX	Upton, NY	Successful.	
	PHI	Mount Holly, NJ	Successful.	
Southern				
	BRO	Brownsville, TX	Successful.	
	CRP	Corpus Christi, TX	Successful.	
	HGX	Houston TX	Successful.	
	JAX	Jacksonville FL	Successful.	
	KEY	Key West FL	Successful.	
	LIX	New Orleans LA	Successful.	
	MFL	Miami, FL	Successful.	
	MLB	Melbourne FL	Successful.	
	MOB	Mobile AL	Successful.	
	SJU	San Juan PR	Successful.	
	TBW	Tampa Bay Area-Ruskin FL	Successful.	
	TAE	Tallahassee, FL	Successful.	
Central				

Region	Station ID	WFO Location	Results	Resolution
	APX	Gaylord, MI	See Resolution.	<p>ADR was received at APX.</p> <p>VIP has no log of receiving product. CRS logs not available. NWRWAVES log shows that product was received (18:57:02Z) but got the following error:</p> <p>ERROR: Cannot find LHZ363 in /bin/UGClookup.table</p> <p>The product was successfully sent to the pending directory according to NWRWAVES log file.</p> <p>Explanation: Product was sent to pending directory but not sent over to CRS.</p>
	DLH	Duluth, MN	Successful.	
	DTX	Detroit/Pontiac, MI	Successful.	<p>We remember seeing it in the Pending directory but we didn't send it over</p> <p>NWRWAVES logs show the messages were created and sent to the pending side of the browser. I spoke with the lead on duty and he stated that these messages were not sent over. We checked the CRS logs and VIP logs, and there is no evidence they were sent across.</p> <p>Let me know if you have any questions or need additional information.</p>
	GRB	Green Bay, WI	Successful.	Found the product in the VIP logs and it did also show up in the browser.
	GRR	Grand Rapids, MI	Successful.	<i>The test product came in at 256 pm EDT. It worked as designed, playing on the lakeshore transmitters. It played once and was then deleted.</i>
	MQT	Marquette, MI	Successful.	Found in VIP log.
	IWX	Northern Indiana, IN	Successful.	

Region	Station ID	WFO Location	Results	Resolution
	LOT	Chicago/Romeoville, IL	See Resolution.	We lost a hard drive on 5MP. We had significant problems getting a hard drive that would work. The HazCollect test occurred during the installation of the 2nd try at a hard drive. It was crashing at the time of the HazCollect test. So CRS was down at the time of the test.
	MKX	Milwaukee/Sullivan WI	See Resolution.	Sent to the pending directory, but it was not sent out.
Western				
	EKA	Eureka, CA	Successful.	
	LOX	Los Angeles/Oxnard CA	Successful.	
	MFR	Medford, OR	<p>As reported by Mark Spilde:</p> <p>In the HazCollect test, the only problem we encountered was that we did NOT receive a red banner alarm for ADRPQR (we broadcast special marine warnings for PQR on our OTH transmitter). ADRPQR was stored in AWIPS, but did not play on the radio.</p> <p>We DID receive a red banner alarm for</p>	<p>Reported by Sung Vo (OPS23)</p> <p>Based on the email from MFR, I think Medford (MFR) expected to receive 2 products are PDXADMFR and PDXADRPQR but they only received PDXADMFR for their own office and they had no problem. The Portland (PQR) received PDXADRPQR and their message went to the CRS successfully. Therefore, MFR and PQR had no problem. Below are their marine zones from their input messages, there are no overlapped zones which both office should get their message independently.</p> <p>Medford (MFR) PIL = PDXADMFR Marine zones: PZZ310-330-350-356-370-376</p> <p>Portland (PQR) PIL = PDXADRPQR</p>

Region	Station ID	WFO Location	Results	Resolution
			<p>ADRMFR. The ADRMFR message was routed properly to NWR and broadcast on all appropriate transmitters with tone alert/SAME. We did not receive any error messages.</p> <p>One other noted issue was the use of inarticulate language in the actual ADR message which sounds ugly in NWR. Use of "MFL WFO" and "NWS OAT TEST COG" were not easily audible.</p>	<p>Marine zones: PZZ210-250-255-270-275</p> <p>Additional analysis from Sung Vo: MFR output file did not have all the marine zones as they are listed in the input file, both PZZ310 and PZZ330 are not even in their UGClookup.table or UGClocallookup.table to begin with.</p> <p>Medford (MFR) PIL = PDXADRMFR _Marine zones from input file_: PZZ310-330-350-356-370-376</p> <p>_Output CRS message's header:_ DM8220523807424108544/22787T_ENGPDXADRMFR10032218561003221856 CD PZZ350-PZZ356-PZZ370-PZZ376c1003221926</p>
	MTR	San Francisco/Monterey CA	Successful.	
	PQR	Portland OR		<p>As reported by Sung Vo:</p> <p>Their input/output files don't have ...TEST words in it and they have their ADR setup for sending directly to CRS which they wouldn't see the red banner from NWRWAVES application.</p>
	SEW	Seattle, Washington	Successful.	
	SGX	San Diego CA	Successful.	

Region	Station ID	WFO Location	Results	Resolution
Alaska				
	AFC	Anchorage AK	Successful.	
	AFG	Fairbanks AK	<p>As reported by John Lingaas:</p> <p>AFG (Fairbanks) Test results Test Received on AWIPS Test passed onto CRS - of the 4 transmitters, the message did not go onto the 2 transmitters for Land stations. Of the remaining 2 coastal stations, the message only went onto the Kotzebue Transmitter, not the Barrow Transmitter (Marine Zones PKZ225, PKZ230, PKZ235, PKZ240, and PKZ245).</p> <p>The ADRAFG message type is set to All areas of Alaska, and All transmitters.</p> <p>I cannot send the Activity Logs yet</p>	<p>Reported by Sung Vo:</p> <p>Their input file contains the following zones, however their set up for the Broadcast Service Area only has PKZ215. PKZ200-210-215-220-225-230-235-240-245-221926-</p> <p>See below for the CRS message's header from the output file:</p> <p>T_ENGFAIADRAFG10032218571003221857 CD INPKZ215c1003221926</p>

Region	Station ID	WFO Location	Results	Resolution
			<p>because the ESA left the building temporarily.</p> <p>ESA says log file is empty. I viewed the actual message sent and all the Marine zones for Northern AK including those appropriate for the Barrow transmitter were included in the ADR.</p> <p>So we still need to figure out the Barrow Transmitter issue...our ESA is now working with Nancy today/tomorrow on this.</p>	
	AJK	Juneau AK	Successful.	<p>Reported by Joel Curtis:</p> <p>Sorry, one more time. Our IT found a JNUADRAJK product at test time. Here's what happens to ADRAJKs locally: we edit these because these are cancellation messages for tsunamis. They are placed in CRS as PENDING, waiting for a forecaster to edit the message for localization, like our tsunami</p>

Region	Station ID	WFO Location	Results	Resolution
				<p>cancellation.</p> <p>WWAK47 PAJK goes to JNUADRAJK goes to pending</p> <p>WWAK48 PAFC goes to ANCADRAK goes to broadcast</p> <p>(afostoawips.txt - lookup table that determines WMO ID to PIL)</p> <p>So, the product that came into our AWIPS was sent to CRS as PENDING and did not get translated to voice.</p>
Pacific				
	GUM	Guam	Successful	According to Bill Ward, Guam was able to verify the message in AWIPS, but the message was not sent to CRS.
	HFO	Honolulu HI	Successful	
	PPG	Pago Pago	See Resolution	According to Bill Ward, Pago Pago uses the Interlalia system and the system was not able to record the results from the test.

Attachment F – HazCollect OT&E New Test Trouble Reports

Priority 1 - Need immediate fix; suspends the OT&E
 Priority 2 - Include in the next build *before initial deployment*
 Priority 3 - Include in the next build *after deployment*
 Priority 4 - Include in a future build
 Priority 5 - Undetermined

Impact 1 - malfunction of required functionality; no workaround
 Impact 2 - malfunction of required functionality; reasonable workaround
 Impact 3 - less critical - loss of minimum capability
 Impact 4 - watch item
 Impact 5 - minimum to no impact; nice to have
 Impact 6 – undetermined

TTR	Date	Summary	P	I	Status
69	3/3/10	<p><i>Marine zones missing/inaccurate in the HazCollect database</i></p> <p>On March 2, 2010, Art Kraus (OS51) investigated a list of the marine zones in the HazCollect database provided by Prism (contractor). There were just over 400 marine zones listed. Art made a quick pass through the list to see how accurate it was and compared it with the list of marine zones in NWSI 10-302. Unfortunately, Art discovered major problems, including:</p> <ul style="list-style-type: none"> * over current 70 marine zones are not in the HazCollect database * over a dozen marine zone numbers in the database now have different coverage areas (and names) * several marine zones in the database are no longer being used <p>The issue is that WFOs and Regions continually add and/or subdivide marine zones, and there is no current mechanism to edit the HazCollect database to reflect the changes.</p> <p>Art Kraus will provide a list of marine zones in question and will be attached to this test trouble report.</p> <p>UPDATE: 3/3/2010 Per Art's initial assumption (regarding database input of missing/inaccurate marine zones) that "...there is no current mechanism to edit the HazCollect database to reflect the changes...",</p> <p>Jim Buchman (Prism) responded... "...The mechanism is the Sys Admin interface, State Zones and FIPS table. Given how extensive the changes are, we might consider instead doing a bulk copy (either using the Import function on that screen, or using external tools), but the mechanism does exist..."</p> <p>UPDATE 3/4/2010 Per Pre-OT&E TRG, the Impact = 2 (Malfunction of required functionality with reasonable workaround) and Priority = 1 (Need immediate fix)</p> <p>UPDATE: 3/18/2010 In preparation for the All-Marine Zone test scheduled for 3/22/2010, Jim Buchman updated both development and production databases with the latest marine zones conforming to the July 2009 issue of Directive 10-302. All of these zones have been added to COG 5613, the National Test group. Offshore marine zones were not included into the database as agreed to at the TRG meeting.</p>	1	2	<i>Closed</i>

TTR	Date	Summary	P	I	Status
		<p>UPDATE: 3/22/2010 Jim Buchman added the PKZ171 Unalaska Bay to the marine zones database.</p> <p>UPDATE: 3/23/2010 Jim Buchman removed commas from the following marine zone descriptions AMZ725 Coastal Waters of Southern USVI, Vieques, and Eastern Puerto Rico out 10 NM ANZ050 Coastal Waters from Eastport, ME to Schoodic Point, ME out 25 NM ANZ051 Coastal Waters from Schoodic Point, ME to Stonington, ME out 25 NM ANZ052 Intra Coastal Waters from Schoodic Point, ME to Stonington, ME ANZ150 Coastal Waters from Stonington, ME to Port Clyde, ME out 25 NM ANZ152 Coastal Waters from Port Clyde, ME to Cape Elizabeth, ME out 25 NM ANZ154 Coastal Waters from Cape Elizabeth, ME to Merrimack River, MA out 25 NM</p>			
	3/4/10	<i>'Delete Broadcast Areas' option on the HazCollect COG Admin website does not work</i>	1	2	<i>Closed</i>
70		<p>In preparation for the HazCollect National Message Test, I had logged into the HazCollect COG admin website and initially added all marine zones to the broadcast areas of the NWS Test Group COG (national scope). All marine zones were successfully included. It was slow, but it did eventually added all marine zones.</p> <p>When it was decided that no marine zones were going to be used for the National Message Test, I then proceeded to the same NWS Test Group to try and delete the marine zones. I first opted View Broadcast Areas and it showed All states and All marine zones in its broadcast areas list.</p> <p>When I selected "Delete Broadcast Areas", the work screen went blank and did not get any indication of work in progress or any error message or job confirmation.</p> <p>I have tried both operations on FireFox and Internet Explorer and results were the same.</p> <p>NOTE: WE NEED TO HAVE THIS COG (NWS TEST GROUP) READY FOR THE NATIONAL MESSAGE TEST as soon as possible!</p> <p>UPDATE: 3/8/10 OT&E test team retested and confirmed Delete Broadcast Areas functionality is now operational (although very slow when all marine zones are deleted) Also verified that the Add Broadcast Areas (e.g., counties) functionality is operational as recommended by contractor.</p> <p>UPDATE: 3/11/10 TRG recommended this TTR to be closed.</p>			
	3/10/10	<i>National Message Test results</i>	2	4	<i>Closed</i>
71		<p>The HazCollect National Message Test was performed on March 9, 2010 and the test ADR message was generated by OT&E test team and sent out at approximately 2:15pm EST.</p> <p>After the message was sent out, OT&E test support went to verify and confirm the preliminary results.</p>			

TTR	Date	Summary	P	I	Status
		<p>Art Kraus (OS51) reported that all 54 states (excluding Kansas and Missouri) were received. He will check for correct WMO format.</p> <p>There were 31 issues reported from the sites</p> <p>19 reported AWIPS/NWRWAVES setup problems (BOX, MHX, EPZ, FWD, HGX, JAX, KEY, LCH, OUN, SHV, TBW, TSA, BIS, BOU, MPX, PUB, EKA, LOX, SEW)</p> <p>3 reported policy issues (GYX, GRB, MKX)</p> <p>4 reported problems that are yet to be determined (per OPS23 initial verification) (ALY, CYS, FGZ, LWX)</p> <p>3 new updates from LKN, SLC, and BYZ (all looking like NWRWAVES setup issues)</p> <p>1 reported NWRWAVES setup issue and site had proceeded to fix and re-run the test successfully (OTX)</p> <p>1 CAFE formatter software issue causing format problems (PHI)</p> <p>Mike Moss (OPS21) ran his script and generated a list of sites (24) that were unable to setup their AWIPS/NWRWAVES state code "000" which included:</p> <p>AFC AKQ BGM BOU CRP EPZ EKA FWD GUM HGX JAN JAX KEY LCH LKN LOX MHX MPX PSR PUB SEN OUN TBW TSA</p> <p>The results of the National Message Tests have been attached to this TTR.</p> <p>UPDATE: 3/9/2010 Warrick Moran recommended that sites that had state code setup problems refer to this website as an initial step for clarifying the identified problems</p> <p>Review Section A.3 of the following document:</p> <p>https://www.ops1.nws.noaa.gov/Secure/awipsnew/software/ob9/SwNote80_OB92_121009_S.pdf Section A.3 - OB9.2 Migration to NWRWAVES for NWEM Products</p> <p>UPDATE: 3/10/2010 OPS24 verified 54 WMO messages successfully generated using HazCollect system admin website.</p> <p>UPDATE: 3/11/2010 Attached latest analysis from OPS23.</p> <p>UPDATE: 3/24/2010 Attached latest analyses/results</p>			

TTR	Date	Summary	P	I	Status
	3/22/10	<i>DMIS client v2.3.3 timezone problem</i>	2	3	<i>Closed</i>
72		<p>On 3/18/2010, Rick Hauschildt (DMIS/DHS) reported that there is an outstanding timezone problem with the DMIS client v2.3.3 which is the latest DMIS client in use by emergency managers. A fix to the timezone problem has been posted on the:</p> <p>http://www.fema.gov/about/programs/disastermanagement/dmistools/download.shtm</p> <p>website. Herb White (OS51) has sent out emails to all IWT and to all the HazCollect users and informing them of the timezone problem and the required fixes via the website download.</p> <p>NOTE: This is strictly a DMIS client software issue and not HazCollect.</p>			
	3/22/10	<i>All-Marine Zone Test Results</i>	2	4	<i>Closed</i>
73		<p>There are 47 WFOs that would have been affected by all-marine zone test. Per reporting instructions, each of the WFOs should have emailed successful confirmations and/or reported problems. To date, we have only received:</p> <p>16 successful confirmations (AFC, MOB, EKA, LOX, MTR, SGX, LWX, JAX, MFL, MLB, TBW, HFO, LIX, BOX, HGX, SEW) 3 reported problems that OPS23 is currently looking into (AFG, MFR, PQR) 2 WFO reported problems have been analyzed by OPS23 (AFG, PQR) 28 WFOs awaiting confirmations</p> <p>ATTACHED IS THE LATEST RESULTS.</p> <p>UPDATE: 3/24/2010 21 successful confirmations (AFC, MOB, EKA, LOX, MTR, SGX, LWX, JAX, MFL, MLB, TBW, HFO, LIX, BOX, CAR, ILM, MHX, PHI, HGX, AKQ, SEW) 3 reported problems that OPS23 is currently looking into (AFG, MFR, PQR) 3 WFO reported problems have been analyzed by OPS23 (AFG, MFR, PQR) 23 WFOs awaiting confirmations</p> <p>Attached latest results list.</p> <p>UPDATE: 4/12/2010 Confirmations from all 47 WFOs have been received. According to Bill Ward (Pacific Region), Pago Pago was using Interlalia and the system could not record the results. The latest results listing have been attached.</p>			

TTR	Date	Summary	P	I	Status
74	3/24/10	COG upload issue	3	3	Open
	Herb White (OS51) was able to successfully generate a new COG upload file for two actual new COGs (WI Brown County EM and IN Spencer County EMA). The COG file (cogUpload2010_0323.txt) is attached.				
	When the generated COG upload file was used in the HazCollect COG upload utility (COG Admin website), an error was attributed to the one of the COGs, specifically the WI Brown County EM. After looking at the upload text file, the OT&E test team and Herb White noticed that the JUSTIFICATION and STATEMENTOFREQUIREMENTS field values had longer than usual values (304 characters with spaces). Existing commas were then removed and replaced with "." and re-uploaded but the error was still being reported.				
	When both JUSTIFICATION and STATEMENTOFREQUIREMENTS field values were trimmed down to 206 characters (with spaces), the upload functionality was subsequently successfully without any errors.				
According to the HazCollect COG Registration Interface Control Document Version 1.0, dated September 22, 2005, these two field values should have data types of VARCHAR(2000).					
75	3/24/10	Formal process to update HazCollect database is not established.	3	3	Open
	Per discussions in the test review group meetings, it has been noted, as evidenced by the recent marine zones database update, that there is no formal process to update the HazCollect database when data products (e.g., marine zones) have been officially approved by the proper group and/or branch (e.g., Data Review Group).				
	UPDATE: 4/12/10 At the wrap-up meeting, the TOC agreed to work on a plan on how the data will be updated in HazCollect.				
76	3/24/10	Cannot create one NWEM message for all marine zones	4	4	Open
	On March 22, 2010, the All-marine zone test was performed:				
	1. First test used the DMIS client using a test ADR message for all marine zones (no land areas) including the newly added PKZ171 AFC Unalaska Bay marine zone. After posting, the DMIS client reported an NWEM posting error: "The NWEM contains geo code(s) that this COG (5613) is not allowed to broadcast to."				
	There were no confirmed disseminations due to the error.				
2. Second test was performed to repeat Step 1 using the same list of marine zones (no land areas) including the newly added PKZ171 AFC Unalaska Bay marine zone. The same erred results were replicated.					
3. Third test consisted of a message using only the Unalaska marine zone and with the mode set to Active/Test, which would post but not disseminate the marine zone message. After posting, the marine zone message was properly confirmed successful at the HazCollect server. No dissemination as expected.					

TTR	Date	Summary	P	I	Status
		<p>4. Fourth test consisted of a message with only the WFO Miami (MFL) marine zones but set for Active/Actual (actual dissemination). The marine zone messages were confirmed at the WFO Miami successfully.</p> <p>5. Fifth test consisted of a message with all of the remaining marine zones (including the Unalaska marine zone) but excluding the marine zones previously used for WFO Miami (see Step 4). The marine zones were confirmed at the HazCollect server.</p> <p>The test group agreed that Prism will look into the posting errors generated when all marine zones are included in a one NWEM message.</p> <p>UPDATE: 3/23/2010 Jim Buchman updated the marine zone database and removed the commas from the marine zone descriptions as he has attributed having them in descriptions as the cause of the problems from yesterday's testing. The following marine zones were updated in the production database:</p> <p>AMZ725 Coastal Waters of Southern USVI, Vieques, and Eastern Puerto Rico out 10 NM ANZ050 Coastal Waters from Eastport, ME to Schoodic Point, ME out 25 NM ANZ051 Coastal Waters from Schoodic Point, ME to Stonington, ME out 25 NM ANZ052 Intra Coastal Waters from Schoodic Point, ME to Stonington, ME ANZ150 Coastal Waters from Stonington, ME to Port Clyde, ME out 25 NM ANZ152 Coastal Waters from Port Clyde, ME to Cape Elizabeth, ME out 25 NM ANZ154 Coastal Waters from Cape Elizabeth, ME to Merrimack River, MA out 25 NM</p> <p>After Jim removed the commas. the OT&E test team proceeded to create an Active/Test ADR message for all marine zones. Based on Jim's lookup sheet he generated for the OT&E test team for what marine zones are mapped for each WFO, the test revealed the following results:</p> <ol style="list-style-type: none"> 1. The DMIS client did NOT report any posting errors. All 47 WFO WMO messages were correctly verified at the HazCollect server. There was no dissemination as expected. 2. However, after comparing the marine to WFO lookup sheet, the OT&E test team found 4 problems related to missing UGCs namely: <ul style="list-style-type: none"> for AFC, the resulting WMO header was missing PKZ351-352-411-412-413-414 for AFG, the resulting WMO header was missing PKZ500-505-510 for AJK, the resulting WMO header was missing PKZ310 for HFO, the resulting WMO header was missing PHZ180 <p>UPDATE: 3/24/2010 Jim Buchman responded that the missing UGCs from the marine zone test performed 3/23/2010 were offshore zones and were not expected to be included in the bulletins for those WFOs. The se marine zones were:</p> <p>PKZ510 AFG Eastern US Arctic Offshore PKZ505 AFG Central US Arctic Offshore PKZ500 AFG Western US Arctic Offshore</p>			

TTR	Date	Summary	P	I	Status
	PKZ310 AJK PHZ180 HFO PKZ411 AFC PKZ414 AFC PKZ413 AFC PKZ412 AFC PKZ351 AFC PKZ352 AFC	<p>Gulf of Alaska North of 55 Degrees North and East Offshore Waters Within 240 nm of Honolulu Bering Sea Offshore West of 180 and East of the In Bering Sea Offshore East of 171W Bering Sea Offshore 171W to 180 and South of 56N Bering Sea Offshore 171W to 180 and North of 56N Gulf of Alaska Offshore North of 57N and West of 1 Gulf of Alaska Offshore South of 57N North of 55N</p> <p>The test lookup sheet that was previously provided to the OT&E test team by Prism was derived from a development test that had included the offshore marine zones but these zones has since been removed from both development and production systems.</p> <p>However, Prism does not have an explanation why sending one message with marine zones for WFO MFL (Step 4) and then another message to the rest of the marine zones (Step 5) were successful even with the commas present.</p> <p>UPDATE: 4/12/10 At the wrap-up meeting, Prism agreed to work with DHS, regarding the reported client problems for the all-marine zones testing, after deployment. There is a tested work-around (send messages from one into two messages), including commas that have already been removed from the HazCollect production database.</p>			

Attachment G – HazCollect Related OPEN Test Trouble Reports from Previous OT&Es

Priority 1 - Need immediate fix; suspends the OT&E
 Priority 2 - Include in the next build *before initial deployment*
 Priority 3 - Include in the next build *after deployment*
 Priority 4 - Include in a future build
 Priority 5 - Undetermined

Impact 1 - malfunction of required functionality; no workaround
 Impact 2 - malfunction of required functionality; reasonable workaround
 Impact 3 - less critical - loss of minimum capability
 Impact 4 - watch item
 Impact 5 - minimum to no impact; nice to have
 Impact 6 - undetermined

TTR	Date	Summary	P	I	Status
17	6/21/06	HazCollect does not utilize partial county codes	3	3	Open
	In order for Emergency Mgt officials to properly send emergency and warning NWEMs, they must be able to send them to smaller portions of counties to avoid over-warning people who are not affected by the event. Partial county codes exist within CRS and should also be utilized by HazCollect. This was stated by WR as an original requirement.				
20	6/21/06	Spanish output needed beyond San Juan.	3	1	Open
	There are at least two Spanish-only NWR transmitters in the CONUS; the Spanish capability planned for SJU should also be included in other areas. <i>This TTR has been deferred to O&M, per HazCollect FRD waivers OAT Test Report, 11/2006</i>				
30	6/21/06	Split County Issue	5	5	Open
	<p>The WFO Sacramento (STO) test COG originated a test ADR message to Alpine County California, which is a county Sacramento shares with WFO Reno (REV). HazCollect generated two ADR messages, an ADRSTO and an ADRREV, with identical content and a UGC coding for Alpine County.</p> <p>In this case, neither WFO broadcasts the other's messages (because of the presence of the Sierra Nevada range). However, in other areas with shared (split) county responsibility there may be cases where one or both WFOs broadcasts both messages - and thus would generate multiple EAS activations on the same transmitter for the same county.</p> <p>An additional concern is that there may be media or other Partners which would relay both messages to the county, either from the multiple NWR activations or from the two unique text products.</p> <p>There may not be an easy or single solution for this problem, since (1) currently there is no way for an EM to specify in UGC which portion(s) of the county are affected by an NWEM hazard, (2) in areas without transmitter overlap you might want multiple messages generated, (3) in other areas with transmitter overlap you might only want one message generated.</p>				

TTR	Date	Summary	P	I	Status
		<p>*** ADDITIONAL INFORMATION per pre-TRG meeting July 7, 2006 ***</p> <p>Need to find out from Battelle what/how the logic is for sending two of the same products within a split county (e.g., Alpine County shared with WFO STO and WFO REV).</p>			
31	6/21/06	<p>"Dissemination within 10 seconds" requirement did not meet</p> <p>A dissemination took 11.507 seconds instead of 10 seconds. See the log information from the server:</p> <p>Starting the postNWEM process at: 2006-06-21 T13:42:33EDT</p> <p>INFO: Completed the postNWEM process at: 2006-06-21 13:42:45EDT</p> <p>INFO: This message took 11507ms or 11.507sec(s) to create.</p> <p>*** RETESTED AT WFO AFC July 6, 2006 ***</p> <p>Test 220 was retested at WFO AFC on July 6, 2006. The log file indicated:</p> <p>INFO: This message took 12497ms or 12.497sec(s) to create.</p> <p>*** ADDITIONAL INFO per pre-TRG meeting July 7, 2006 ***</p> <p>Assigned to Battelle for additional/further analysis.</p>	3	3	Open
52	12/5/06	<p>National Msg Test - WFO HFO receiver problems</p> <p>During the FOD National message test on Nov 29, 2006, Bill Ward reported problems from WFO HFO.</p> <p>Early indications show that the message went out well from the WFO HFO AWIPS/CRS system. However, as can be seen from Maureen Ballard's e-mail below....</p> <p>The message did not play on the programmable radios. I am relatively certain this will be the case from all regions that checked this.</p> <p>From Maureen - I had 4 Radio Shack radios waiting for tones this morning. NONE went off for the ADR message. The model numbers are: 12-249 - programmed for 015001, 015003,015007, 015009 12-250 - programmed for 015003 12-254 (handheld SAME model) - programmed for 015003 12-261 - programmed for 015003 (paperwork from box indicates this was manufactured in 2003)</p>	4	4	Open

TTR	Date	Summary	P	I	Status
		<p>They ALL went off for our Routine Weekly Test at 11:25am. The reason most of them are programmed for 015003, is because that is for Honolulu County - if I'm sleeping, or running around town, I only *need* to know about events on this island. We have purchased the 12-261 and 12-249 models for family on the mainland. I know that we always help them program the weather radio for their county (or possibly a couple counties if they are on the border). That's the big selling point of the NWR - you can program your county code in them.</p> <p>Any questions, please send them along. As I have stated before, the simplest solution is to use the individual county codes, which are readily available in any number of files within AWIPS at every office.</p> <p>Response from Art Kraus on 12/1/06: -----</p> <p>There are a few things we might try to get a better handle on what the problem is with the older Radio Shack models and the HazCollect National ADRs. Part of it is that we don't know what the exact problem might be. It could be the 000 location code, or it could be the ADR event code. I looked through the owner's manuals for the models that Maureen listed, and I didn't see any mention of ADR or Administrative Messages. So I'm not sure if these radios would react to them or not, even if the ADR carried a "real" FIPS county code. Although most older models will react to unknown event codes, the unknown codes generally have to end with W, A, or S (for warning, watch, or statement). Even some of the newer "Public Alert" receivers won't react to an ADR, such as the First Alert WX-268 Those alarms are "blocked" at the factory, but can always be "unblocked" by the listener.</p> <p>There are a few things you could try to narrow things down.</p> <ol style="list-style-type: none"> 1. Since all your radios react to your RWT, could you send an RWT with just the 000 FIPS code to see what happens? I don't know what your RWT policy is, but I know that here in DC, the Sterling office has been known to run multiple RWTs on a given day to ensure that all staff members get their quarterly CRS training. You could run your normal test, and then another with the 000. 2. You could also try entering the 015000 code into one or more of your older model radios before running test (1) above to see if the radio will react to that or not. 3. With appropriate notification, we (or you) could run a local ADR test for a single Hawaiian county to see what happens your to your radios. We have kept the HazCollect server turned on through the end of December to allow our three EMs to send real NWEMs if they are needed, and for local testing such as this. Although Herb White and I will be at the Storm-Based Workshop in College Station TX from Monday through Thursday next week, we will both have laptops and Internet connectivity so we can discuss this further. 			
53	12/5/06	<p>National Msg Test - WMO message line wrapping</p> <p>During the FOD National message test on Nov 29, 2006, the FOD test team created a new test ADR message. On the DMIS client, the Description contents were created via copied contents from a Notepad file. The Description contents were copied properly, without any premature linefeeds.</p> <p>As copied directly from the DMIS client toolkit, this is how the Description field displayed the contents:</p> <p>THIS IS A TEST MESSAGE. THIS IS A TEST OF THE CAPABILITY TO RELAY EMERGENCY MESSAGES FROM NON-NATIONAL WEATHER SERVICE SOURCES USING</p>	4	5	Open

TTR	Date	Summary	P	I	Status
		<p>DEPARTMENT OF HOMELAND SECURITY AND NWS SYSTEMS. THIS TEST MESSAGE MAY BE RELAYED BY EMERGENCY ALERT SYSTEM PARTICIPATING STATIONS IN ACCORDANCE WITH LOCAL AND STATE EAS PLANS.</p> <p>THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.</p> <p>However, when the message was sent to HazCollect server, the following WMO message had a linefeed between SOURCES and USING and another linefeed between MESSAGE and MAY BE so it was not created as displayed on the DMIS client.</p> <p>SEE EXAMPLE BELOW:</p> <p>WOUS41 KLWX 292010 ADRMD MDC000-292040-</p> <p>BULLETIN - EAS ACTIVATION REQUESTED ADMINISTRATIVE MESSAGE/FOLLOW UP STATEMENT NWS TEST GROUP SILVER SPRING MD RELAYED BY NATIONAL WEATHER SERVICE BALTIMORE MD/WASHINGTON DC 310 PM EST WED NOV 29 2006</p> <p>THIS MESSAGE IS FOR TEST PURPOSES ONLY. THIS IS TEST MESSAGE NUMBER 2.</p> <p>THE FOLLOWING MESSAGE IS TRANSMITTED AT THE REQUEST OF THE NWS TEST GROUP.</p> <p>THIS IS A TEST MESSAGE. THIS IS A TEST OF THE CAPABILITY TO RELAY EMERGENCY MESSAGES FROM NON-NATIONAL WEATHER SERVICE SOURCES USING DEPARTMENT OF HOMELAND SECURITY AND NWS SYSTEMS. THIS TEST MESSAGE MAY BE RELAYED BY EMERGENCY ALERT SYSTEM PARTICIPATING STATIONS IN ACCORDANCE WITH LOCAL AND STATE EAS PLANS.</p> <p>THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.</p>			

TTR	Date	Summary	P	I	Status
		\$\$ DM1350179511608366080/22786 NOTE: The message was disseminated properly and was broadcast without problems.			
	9/19/08	HazCollect server mode changes are not saved in all servers.	3	2	Open
55		During FOTE testing (Tests 5 and 7), when the HazCollect server mode was changed in Rack 1 Server 1, this same data change (server mode) was not automatically changed in all servers. This data would have to be manually updated for all servers in the HazCollect Rack 1 and Rack 2 servers. UPDATE 4/14/10: at the OTE wrap-up meeting on 4/1/10, the TRG changed the Priority to 3.			
60	10/28/08	CAP v1.1 compliance issues	3	3	Open
		<p>A sample CAP message (10/07/08) generated for WFO MTR using the DMIS client was sent to Art Botterell for review (ATTACHED). Here are CAP v1.1 compliance comments from Art Botterell per 10/20/088 email.</p> <p>1) <geocode>06013</geocode> should be in CAP 1.1; the format should be <geocode><valueName>SAME</valueName><value>006013</value></geocode></p> <p>2) SAME as used in weather Radio and EAS use a six-digit format. Therefore, the HazCollect should use a 6-digit format instead of a 5-digit format.</p> <p>3) The current HazCollect CAP formatted message is (almost) in CAP 1.0 format. Two ways we can tell are: a) The <password> element does not exist in CAP 1.1. b) The <eventCode> value is in the "this=that" form used in CAP 1.0.</p> <p>4) The current CAP formatted message uses CAP 1.0 for Alert tag: <alert xmlns="http://www.incident.com/cap/1.0"> Should be in CAP 1.1 - <alert xmlns="urn:oasis:names:tc:emergency:cap:1.1"></p> <p>5) The use of a <geocode> alone, without a corresponding geospatial geometry (a circle or polygon) is deprecated in both the CAP 1.0 and 1.1 specs. The reason is that some recipient somewhere might not be familiar with the particular geocoding system used, but latitudes and longitudes are universal. At the minimum a pre-computed default polygon could be inserted that outlines the county designated by the FIPS or SAME code. Eventually, of course, this facility will permit more precise and flexible geotargeting across all CAP-integrated warning systems.</p> <p>6) Additionally, although it isn't a compliance issue, it's not necessary to include all those null elements (the ones that end with a slash, such as <password />). If an element is empty it can be omitted altogether. Including explicit nulls doesn't do any harm, technically, but it does create unnecessary clutter.</p> <p>UPDATE: 10/29/08 The TRG agreed to set the Priority to 3 and the Impact to 3 and assigned to Tim Hopkins, Joel Williams, and Steve Pritchett.</p>			

TTR	Date	Summary	P	I	Status
62	11/3/08	<p>HazCollect automatically creates state code (HIC000) for individually selected counties</p> <p>As reported by Tom Simon (HI EM): Using DMIS client software, Tom individually selected all four counties for Hawaii. He confirmed all counties (HIC001, HIC003, HIC007 and HIC009) are selected and listed under AREAS tab of the DMIS client software. He posted this test message successfully. Tom noticed that the WMO message was generated with a state code "HIC000", not "HIC001-HIC003-HIC007-HIC009". He thought the message would individually include the counties as it was listed on the DMIS client software. The FOTE test team checked the HazCollect server and noticed that the CAP formatted message was generated with four individual counties.</p> <p>Since some of the older weather radios do not recognize or properly decode the "000" state code, Tom would like to have choices for generating messages with individual counties or a state code.</p> <p>UPDATE 4/14/10: at the OTE wrap-up meeting on 4/1/10, the TRG changed the Priority to 4, Impact to 3.</p>	4	3	Open
66	12/1/08	<p>FOTE National Message Test issues with WFO Guam</p> <p>After the FOTE National Message Test held last 11/18/08, WFO Guam reported that their GUMADRGUM message had an 'incorrect' UGC code of GUC085 and that it was not broadcasted. Nancy Helderman (OPS23) reported that the non-broadcast was due to the message type only being scheduled on the Exclusive Suite and not being set as a trigger. This non-broadcast finding is also true for the GUMADRGU message.</p> <p>Herb White however also responded, per his email (dated 11/19/08) "...The UGC of GUC085-MPC100-110-120- (read in as LACs) in the GUMADRGUM is obtained from the Public Forecast Zone-County Correlation file which is sourced from the AWIPS County and Public Zones shapefiles. There are numerous lines in the Z-C file with 085 county code that is correct FIPS code for the Northern Islands of the Northern Mariana Islands. We know from recent conference calls with Bill Ward that he is working with your office (Guam) to make corrections to the shapefiles and public zone ids that may be the source of the incorrect GUC085 code. We will also look further at the GUC085 issue..."</p> <p>NOTE: The results from the FOTE National Message Test are added as a separate attachment.</p> <p>UPDATE @ TRG meeting (12/3/08): Will wait for an update from Herb White before assigning Priority and Impact.</p> <p>UPDATE 12/9/08: Priority set to 2, Impact to 2.</p> <p>UPDATE 4/14/10: at the OTE wrap-up meeting on 4/1/10, the TRG changed the Priority to 4, Impact to 3.</p>	4	3	Open

Attachment H – DMIS-Related OPEN Test Trouble Reports from Previous OT&Es

Priority 1 - Need immediate fix; suspends the OT&E
 Priority 2 - Include in the next build *before initial deployment*
 Priority 3 - Include in the next build *after deployment*
 Priority 4 - Include in a future build
 Priority 5 - Undetermined

Impact 1 - malfunction of required functionality; no workaround
 Impact 2 - malfunction of required functionality; reasonable workaround
 Impact 3 - less critical - loss of minimum capability
 Impact 4 - watch item
 Impact 5 - minimum to no impact; nice to have
 Impact 6 - undetermined

TTR	Date	Summary	P	I	Status
7	6/6/06	<p>No restriction in the types of NWEMs that can be issued by an EM</p> <p>While HazCollect restricts Emergency Managers to a geographic scope for their NWEMs, there is no restriction in the types of NWEMs that can be issued. EMs can issue any of the 17 NWEM message types, even if they are not authorized to do so by State statute or regulation. In many jurisdictions, some NWEM message types are reserved for a state office (e.g. AMBER Alerts).</p> <p>In addition, other NWEM message types may not be applicable for an EMs area (e.g., Nuclear Power plant Warning in areas with no nuclear power plants). All NWEM message types are enabled for NWEM message creation.</p> <p>This TTR documents a recommendation from David Johnson, Allegheny County Emergency Services.</p> <p>6/9/06: Per Art Kraus - reference to EMERGENCY MANAGERS was meant to imply the ORGANIZATION or COG, not the individual Emergency Manager.</p> <p>*** pre-TRG July 12 2006 *** Steve Schofield will need to discuss this TTR with Battelle for fix.</p> <p>*** pre-TRG July 19 2006 *** Steve Schofield & Bernie Schmidt will need to discuss this issue to get a level of effort.</p>	2	5	Open
10	3/24/10	<p>Update and Correction limitations</p> <p>Limitations: 1. Could not update previously corrected message. 2. Could not update previously updated message. 3. Could not correct previously updated message.</p> <p>We were only able to correct and update the original message. David Johnson and Art Kraus would like to have a capability to update and correct the last message.</p> <p>*** pre-TRG July 12 2006 ***</p>	2	3	Open

TTR	Date	Summary	P	I	Status
		NWS IWT agreed with the Priority and Steve Schofield will discuss this TTR with Battelle for fix. *** pre-TRG July 19 2006 *** Steve Schofield & Bernie Schmidt will need to discuss this issue to get a level of effort.			
21	6/21/06	DMIS Username/password difficulty	3	5	Open
		DMIS username and password can be difficult to remember in a stressful situation when it hasn't been used in a long time. Suggest pursuing a different method of security for future builds.			
22	6/21/06	DMIS password changing difficulty	3	3	Open
		When changing the user's password, a alarm comes up saying the password "should" be at least 9 characters; it them moves on without telling the user whether the password was accepted or not. Suggest changing the term to "must" and going back to the change window if the attempted password is not valid.			
27	6/21/06	HazCollect Interface Issues	2	2	Open
		It is imperative, not just nice to have, that these items be addressed before HazCollect is implemented officially nationwide. Leaving these items as they are WILL result in missed or delayed warnings, mistakes, and reduced user confidence in the HazCollect system. Throughout this document, it must be remembered that the user will be under a great deal of stress during an emergency; we cannot depend on the user to think completely clearly in this situation. HazCollect contains many small details that ultimately determine whether message transmission is successful. Warning dissemination software must be as clear, concise, and streamlined as possible in order to be successful. The OAT is an Operational Acceptance Test; these items must be addressed for HazCollect to be Operationally successful. *** pre-TRG July 12 2006 *** Jon Adkins will meet with Battelle and Art Kraus to go over the HazCollect interface issues. *** Attached updated version from Craig Schmidt 7/20/06 *** *** Attached updated version from Bernard Schmidt 7/25/06 ***			
35	7/6/06	Individual state not selected when all areas are selected from area pick list.	3	5	Open
		While testing the National message in WFO AFC, a previous national message was 'save copied' which has all the areas selected. While removing the selection for Pennsylvania (due to the PA state EAS instructions) for the new national message, we noticed that the state selections in the pick list were 'unchecked' even though the areas under each of the unchecked states were selected and checked. Pick lists usually have the root member of the pick list also selected if all members, of this root, are all selected.			

TTR	Date	Summary	P	I	Status
41	7/24/06	Intermittent problem of the “2 seconds feedback” requirement	4	3	Open
<p>Req 198, FRD #28 (HazCollect shall provide the EM with feedback of their action within 2 seconds with continuous updating within 2 seconds until action is completed)</p> <p>Through out the OAT, EMs and the test team have experienced intermittent problems with the “2 seconds feedback” requirement. The following responses took more than 2 seconds to receive feedbacks:</p> <ul style="list-style-type: none"> - Filtered NWEM Alerts list - Open an alert by double clicking on an alert - Areas selection icon - Post icon - Sending Alerts to other COGs 					
43	10/31/06	Incorrect HazCollect COG areas	3	2	Open
<p>During pre-FOAT testing, we logged out of an authorized HazCollect COG that contains only the Guam counties using the DMIS-Services->Logout from the DMIS client menu.</p> <p>The software properly logged out of the COG and displayed the login screen. We switched to another HazCollect authorized NWS test WFO SJU COG which contains only the counties for Puerto Rico. We were able to log in properly, and the 'New NWEM' button was correctly displayed on the menu toolbar.</p> <p>Upon creating a new NWEM message and bringing up the 'Areas' window, the window tree was still displaying the Guam counties instead of the Puerto Rico counties.</p> <p>We decided to fully exit out of the application and logged back into the client using the test WFO SJU COG. The areas listed now properly displayed the Puerto Rico counties.</p> <p>We repeated the same exit routine (DMIS-Services->Logout) from the menu, and logged back in using another authorized HazCollect COG (NWS Test State Group for the state of Florida). Upon creating a new NWEM again (New NWEM is displayed on the toolbar), the areas list is again erroneously displaying the previous counties for Puerto Rico instead of the counties for Florida.</p> <p>Additional information: We were testing messages being sent to other COGs (known problem) but they were being displayed in COGs where they were not intended to be displayed. When we switched to the NWS test WFO SJU COG using the DMIS-Services->Logout exit routine, we saw two alerts listed in the Alerts list that we did not send specifically to the test WFO SJU COG.</p> <p>*** Update per pre-TRG meeting 11-14-06 ***</p>					

TTR	Date	Summary	P	I	Status
		changed Priority from 5 to 3.			
44	10/31/06	Bad NWEM message created using COGs with missing required address information	2	2	Open
		<p>Within the DMIS client v2.3.3 DMIS-Services->Administration->Operator Profile window, the data fields for the city and state fields needs to have actual data values. Otherwise, the resulting HazCollect NWEM message will have the NULL NULL value after the COG name in the WMO MND header. While these fields might not be required in DMIS, they are required for HazCollect for the proper message format in the HazCollect generated WMO message.</p> <p>*** updated per pre-TRG meeting 11-14-06 *** changed Priority from 5 to 2.</p> <p>Sample of NULL NULL message:</p> <p>WOUS42 KTAE 011606 ADRTAE FLC077-011621-</p> <p>BULLETIN - EAS ACTIVATION REQUESTED ADMINISTRATIVE MESSAGE/FOLLOW UP STATEMENT NWS TEST STATE GROUP NULL NULL RELAYED BY NATIONAL WEATHER SERVICE TALLAHASSEE FL 1106 AM EST WED NOV 1 2006</p> <p>THIS MESSAGE IS FOR TEST PURPOSES ONLY. THIS IS TEST MESSAGE NUMBER 1.</p> <p>THE FOLLOWING MESSAGE IS TRANSMITTED AT THE REQUEST OF THE NWS TEST STATE GROUP.</p> <p>THIS IS A TEST MESSAGE. THIS IS A TEST OF THE CAPABILITY TO RELAY EMERGENCY MESSAGES FROM NON-NATIONAL WEATHER SERVICE SOURCES USING DEPARTMENT OF HOMELAND SECURITY AND NWS SYSTEMS. THIS TEST MESSAGE IS NOT INTENDED TO ACTIVATE THE EMERGENCY ALERT SYSTEM.</p> <p>THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.</p>			

TTR	Date	Summary	P	I	Status
45	11/1/06	Missing states in the DMIS v2.3.3 COG and Operator Profile state pick list	2	2	Open
<p>The DMIS client toolkit v2.3.3 COG and Operator Profile state pick lists did NOT include the following 'states':</p> <ol style="list-style-type: none"> 1. AS - American Samoa 2. GU - Guam 3. VI - Virgin Island 4. PR - Puerto Rico 5. MP - Northern Mariana islands <p>These 'states' are included in the HazCollect list of valid states (see HazCollect state FIPS codes)</p> <p>*** Updated per pre-TRG meeting 11-14-06 *** Changed Priority from 5 to 2. This problem needs to be RETESTED during the FOD using COG upload as a workaround.</p>					

Attachment I – HazCollect OT&E Site Questionnaires

(This survey is to be completed by the OT&E site at the end of OT&E, coordinating responses with the test site management and staff).

Test Site:	WFO Pittsburgh PA (PBZ)	Date:	3-31-2010
Name:	Joe Palko/Rich Kane	Title:	
Test Start Date:	Feb 17 2010	Test End Date:	March 26, 2010
AWIPS Build:	OB9.2		

Respond to the statements below by marking 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	X					
HazCollect NWEM dissemination under non-severe weather conditions.	X					
HazCollect NWEM dissemination under severe weather conditions.		X				
HazCollect effect on existing NWS infrastructure/dissemination systems	X					
HazCollect effect on WFO operators or forecasters workload.		X				
HazCollect is suitable for general implementation.	X					

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

Only comment is that with the change to NWRWAVES from CAFÉ, by default products are placed in the pending side of the NWRBrowser instead of sent directly to CRS with CAFE. Of course this is configurable by the site on a product by product basis in NWRWAVES. With the default change to the pending side, it requires the forecaster to take action and review it (this is a good thing). This could introduce a delay in sending the message to CRS. Most times it should be immediate, but thinking about how it is in severe weather and all the other possible alarms from SCAN, Radar, etc, there is a possibility that it may be delayed till noticed. Note that this is why we answered 2 questions with a "good rating" instead of an "excellent rating". We did not have a chance to test it during severe weather.

(This survey is to be completed by the OT&E site at the end of OT&E, coordinating responses with the test site management and staff).

Test Site:	WFO Albuquerque NM (ABQ)	Date:	4/9/2010
Name:	Todd Shoemake / Jennifer Palucki Kerry Jones (WCM)	Title:	Forecasters
Test Start Date:	Feb 25, 2010	Test End Date:	March 26, 2010
AWIPS Build:	OB9.2		

Respond to the statements below by marking 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.		X				
HazCollect NWEM dissemination under non-severe weather conditions.		X				
HazCollect NWEM dissemination under severe weather conditions.		X				
HazCollect effect on existing NWS infrastructure/dissemination systems	X					
HazCollect effect on WFO operators or forecasters workload.	X					
HazCollect is suitable for general implementation.		X				

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

Our Emergency Manager performing the test did run into issues with the DMIS software during the second test on 3/22/2010. The DMIS software somehow became corrupt and had to be uninstalled and reinstalled. Otherwise, according to Joyce Purley, EM City of Santa Fe, the HazCollect system worked well on the user side.

(This survey is to be completed by the OT&E site at the end of OT&E, coordinating responses with the test site management and staff).

Test Site:	WFO San Francisco/Monterey CA (MTR)	Date:	4/9/2010
Name:	Tom Evans	Title:	WCM
Test Start Date:	March 2, 2010	Test End Date:	March 26, 2010
AWIPS Build:	OB9.2		

Respond to the statements below by marking 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.			X			
HazCollect NWEM dissemination under non-severe weather conditions.				X		
HazCollect NWEM dissemination under severe weather conditions.						X
HazCollect effect on existing NWS infrastructure/dissemination systems				X		
HazCollect effect on WFO operators or forecasters workload.					X	
HazCollect is suitable for general implementation.				X		

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

The NWEMs can across the WFO's systems as expected and were forwarded by the forecasters into the NWR without any problems.

(This survey is to be completed by the OT&E site at the end of OT&E, coordinating responses with the test site management and staff).

Test Site:	WFO Sacramento CA (STO)	Date:	4/9/10
Name:	Kathy Hoxsie	Title:	WCM
Test Start Date:	March 2, 2010	Test End Date:	March 26, 2010
AWIPS Build:	OB9.2		

Respond to the statements below by marking 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.			X			
HazCollect NWEM dissemination under non-severe weather conditions.	X					
HazCollect NWEM dissemination under severe weather conditions.						X
HazCollect effect on existing NWS infrastructure/dissemination systems	X					
HazCollect effect on WFO operators or forecasters workload.	X					
HazCollect is suitable for general implementation.		X				

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

(This survey is to be completed by the OT&E site at the end of OT&E, coordinating responses with the test site management and staff).

Test Site:	WFO Anchorage AK (AFC)	Date:	March 31, 2010
Name:	Sam Albanese	Title:	WCM
Test Start Date:	Feb 23 2010	Test End Date:	March 26 2010
AWIPS Build:	OB9.2		

Respond to the statements below by marking 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	x					
HazCollect NWEM dissemination under non-severe weather conditions.	x					
HazCollect NWEM dissemination under severe weather conditions.						x
HazCollect effect on existing NWS infrastructure/dissemination systems	x					
HazCollect effect on WFO operators or forecasters workload.	x					
HazCollect is suitable for general implementation.	x					

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

(This survey is to be completed by the OT&E site at the end of OT&E, coordinating responses with the test site management and staff).

Test Site:	WFO Honolulu HI (HFO)	Date:	08 April 2010
Name:	Raymond Tanabe	Title:	WCM
Test Start Date:	Feb 22, 2010	Test End Date:	March 26, 2010
AWIPS Build:	OB9.2		

Respond to the statements below by marking 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	x					
HazCollect NWEM dissemination under non-severe weather conditions.	x					
HazCollect NWEM dissemination under severe weather conditions.						x
HazCollect effect on existing NWS infrastructure/dissemination systems	x					
HazCollect effect on WFO operators or forecasters workload.	x					
HazCollect is suitable for general implementation.	x					

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

Attachment J – HazCollect OT&E Emergency Manager Questionnaires

(This survey is to be completed by the Emergency Manager at the end of the OT&E).

Test Site:	Mercer County	Date:	3/31/2010
Name:	John Nicklin	Title:	Deputy Director
Test Start Date:	Feb 17, 2010	Test End Date:	March 26, 2010
COG Name:	PA-Mercer County Department of Public Safety		

Respond to the statements below by marking an 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs a/nd negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
DMIS documentation, including any training materials, is adequate and accurate.						X
HazCollect authentication and authorization processing.			X			
DMIS software user interface ease of use.		X				
DMIS software dissemination of CAP formatted NWEM.	X					
HazCollect alert response and/or any error notification back to DMIS.		X				
DMIS effect on emergency manager workload.	X					
DMIS software is suitable for general implementation.	X					
DMIS OPEN API interoperability with HazCollect (if demonstrated)						X
HazCollect is suitable for general implementation.	X					

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

(This survey is to be completed by the Emergency Manager at the end of the OT&E).

Test Site:	Daviess County Kentucky	Date:	April 1, 2010
Name:	Walter Atherton	Title:	Deputy Director EMA
Test Start Date:	Feb 18, 2010	Test End Date:	March 26, 2010
COG Name:	KY Daviess County EMA		

Respond to the statements below by marking an 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
DMIS documentation, including any training materials, is adequate and accurate.	X					
HazCollect authentication and authorization processing.	X					
DMIS software user interface ease of use.			X			
DMIS software dissemination of CAP formatted NWEM.						X
HazCollect alert response and/or any error notification back to DMIS.						X
DMIS effect on emergency manager workload.		X				
DMIS software is suitable for general implementation.		X				
DMIS OPEN API interoperability with HazCollect (if demonstrated)						X
HazCollect is suitable for general implementation.		X				

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

My only concern is lack of user friendliness, same as at the beginning a few years ago. An EM with necessary training but not posting MWEMs regularly will be hard pressed to remember how to open alert details or areas.

(This survey is to be completed by the Emergency Manager at the end of the OT&E).

Test Site:	Hawaii State Civil Defense	Date:	4/5/2010
Name:	Tom Simon	Title:	Systems Engineer
Test Start Date:	Feb 22, 2010	Test End Date:	March 26, 2010
COG Name:	HI State Civil Defense		

Respond to the statements below by marking an 'X' on the rating box that best describes your opinion according to the following code:

1 Excellent Performed in a manner that could not be improved	2 Good Performed well, met field needs and offered some improvements	3 Satisfactory Performed in a manner that meets basic field needs	4 Deficient Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 Unsatisfactory Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A Does Not Apply
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Statement	1	2	3	4	5	N/A
DMIS documentation, including any training materials, is adequate and accurate.			X			
HazCollect authentication and authorization processing.		X				
DMIS software user interface ease of use.			X			
DMIS software dissemination of CAP formatted NWEM.		X				
HazCollect alert response and/or any error notification back to DMIS.	X					
DMIS effect on emergency manager workload.				X		
DMIS software is suitable for general implementation.				X		
DMIS OPEN API interoperability with HazCollect (if demonstrated)						X
HazCollect is suitable for general implementation.	X					

Please comment on any item that received **a rating of 4 or 5**. Include any comments received concerning maintenance. You may provide other comments, as desired.

Logging into DMIS is often difficult. I had to log in as administrator and reset my password several times. This wasted time. When the password did work, the length of time required for authentication required that I log in off-line, and then wait for the system to switch to on-line. More wasted time.

I understand a new version of DMIS is being developed. Hopefully, the new version will be more user-friendly and more responsive.