



U.S. DEPARTMENT OF COMMERCE  
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Administration  
NATIONAL WEATHER SERVICE  
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Silver Spring, Maryland 20910-3283

MAR 7, 2007

MEMORANDUM FOR: Distribution

FROM: W/OPS2 – John Van Kuren

SUBJECT: Field Operational Demonstration (FOD) Test Report for the All-Hazards Emergency Message Collection System (HazCollect), dated February 2007

Attached for your information is a copy of the subject test report defining the conduct, test results, and recommendations of the National Weather Service (NWS) Field Operational Demonstration (FOD) for the All-Hazards Emergency Message Collection System (HazCollect). The purpose of the FOD is to verify the fixes included in the HazCollect v1.1/Disaster Management Interoperability Services (DMIS) client v2.3.3 and to confirm the test objectives outlined in the FOD Test Plan dated November, 2006 are tested successfully.

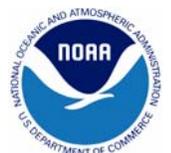
The HazCollect FOD started on Monday, November 6, 2006, and ended Thursday, November 30, 2006. The initial end date for the FOD was November 22, 2006 but was extended to retest the National message. All six test trouble report (TTR) fixes included in HazCollect v1.1/DMIS client v2.3.3 were successfully verified. There were nine out of 11 FOD test objectives that passed; TTRs have been created, adjudicated and assigned for the two objectives that failed.

The FOD was conducted, with emergency manager support, at the following NWS Weather Forecast Offices (WFOs):

- WFO Tallahassee, Florida (TAE)
- WFO Paducah in West Paducah, Kentucky (PAH)
- WFO Kansas City/Pleasant Hill, Missouri (EAX)
- WFO San Francisco in Monterey, California (MTR)
- WFO Sacramento, California (STO)

Please direct any comments or questions to the FOD Director, Bert Vioria W/OPS24 at 301-713-0326 ext 131, (Bert.Vioria@noaa.gov) or Jae Lee W/OPS24 at 301-713-0326 ext 158, (Jae.Lee@noaa.gov).

Attachment



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# **FIELD OPERATIONAL DEMONSTRATION TEST REPORT**

for the  
**All Hazards Emergency Message  
Collection System  
(HazCollect)**

**February 2007**

**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 report contains the test and evaluation results from the Field Operational Demonstration (FOD), conducted by the National Weather Service (NWS), for the All Hazards Emergency Message Collection System (HazCollect). The report includes the test objectives and criteria, Test Trouble Reports (TTRs), and test results.

At the Operational Acceptance Test (OAT) Wrap-Up meeting on July 26, 2006, the HazCollect Test Review Group (TRG) recommended the HazCollect Program Office (OST11) fix 12 TTRs prior to initial deployment (designated as Priority 2 TTRs). The Program Office agreed with this recommendation, and requested the Test & Evaluation Branch (OPS24) to conduct a follow-on OAT (FOAT) to verify all Priority 2 TTRs are fixed in a new build.

At the FOAT Readiness Review meeting on November 2, 2006, the Program Office announced that the HazCollect v1.1/Disaster Management Interoperability Services (DMIS) client v2.3.3 is ready for the FOAT. However, the new build only contained fixes for six of the 12 TTRs. The TRG decided to continue with the test, but no recommendations for national deployment will be made based on the test results. OPS24 will conduct the test to validate all the test objectives in the FOAT plan. The Program Manager will take these results to the Program Office and to members of the Operations and Services Improvement Process (OSIP) Gate 4 for further action. Additionally, the TRG decided to rename FOAT to 'Field Operational Demonstration'.

The HazCollect FOD started on Monday, November 6, 2006, and ended Thursday, November 30, 2006. The initial end date for the FOD was November 22, 2006 but was extended to retest the National message. The FOD was conducted, with emergency manager support, at the following NWS Weather Forecast Offices (WFOs) during the dates indicated:

- WFO Tallahassee, FL (November 6 through November 30)
- WFO Paducah, KY (November 13 through November 30)
- WFO Kansas City/Pleasant Hill, MO (November 13 through November 30)
- WFO San Francisco, CA (November 13 through November 30)
- WFO Sacramento, CA (November 13 through November 30)

Overall, the HazCollect system was able to transmit messages successfully during the FOD. All Post-Operational Acceptance Test (OAT) Priority 2 TTR fixes (six total) and three pre-OAT issues included in HazCollect v1.1/DMIS client v2.3.3, were successfully verified. There were 13 TTRs generated during the FOD, with 10 open TTRs still pending, including four open Priority 2 TTRs. Nine out of 11 FOD test objectives passed; eight TTRs were created, adjudicated, and assigned for the two objectives that failed (TTR# 43, 44, 45, 50, 51, 52, 53, and 54). The two remaining TTRs (TTR# 47 and 49) relate to message broadcast problems in Console Replacement System (CRS) and duplicate failover message respectively.

The FOD Wrap-Up meeting was held on December 12, 2006. At the Wrap-Up meeting, there were no recommendations for national deployment from the TRG as previously agreed from the FOAT Readiness Review meeting. OPS24 presented the FOD test results. The four open Priority 2 TTRs found during the FOD have been adjudicated and assigned. At the end of the FOD, there remains a total of 10 open Priority 2 TTRs (six from the OAT, and four from the FOD). The TRG recommended that the Program Office collect all information, including all FOD test

results, needed to brief the Operations and Services Improvement Process (OSIP) Gate 4 members and the NWS Corporate Board's Operations Committee. In addition, the following items must be completed prior to the OSIP Gate 4 briefing:

- The Program Office (OST11) will need to discuss the future disposition of the DMIS client with the Department of Homeland Security (DHS) and provide implementation status for the Priority 2 DMIS client-related TTRs that are open and pending (TTRs #7, 10, 12, 27, 44, and 45).
- The Office of Science and Technology (OST31) will need to test the DMIS OPEN Application Programming Interface (API) for Common Alerting Protocol (CAP) compliance and dissemination through HazCollect (TTR #19).
- OST31 will need to retest Priority 2 TTRs related to the National message test (TTR #50 and #51) found during the FOD to validate the fixes.
- The Program Office will need to brief Mark Paese (OPS1) on a proposed solution to prevent two non-weather emergency messages (NWEM) sent at the same time to cause broadcast problems (TTR #8).

At the end of the FOD, the TRG decided to allow the HazCollect system to stay enabled until December 31, 2006 for further stability testing. The system will not be promoted or defined as 'operational', but instead will be designated as 'experimental'. The participating HazCollect FOD EMs will be allowed to use the HazCollect only for actual non-weather emergencies, unless further approval is requested, granted, and notifications provided to do local testing. The Program Office has since requested from DHS, and was granted an extension for the HazCollect system to stay enabled until March 31, 2007.

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## Acronyms

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
DT&E	Development Test & Evaluation
EAS	Emergency Alert System
EM	Emergency Manager
EMWIN	Emergency Manager Weather Information Network
FRD	Functional Requirements Document
IWT	Integrated Working Team
MIC	Meteorologist In Charge
NCF	Network Control Facility
NOAA	National Oceanic and Atmospheric Administration
NWEM	Non-weather emergency message
NWR	NOAA Weather Radio All Hazards
NWS	National Weather Service
NWSTG	National Weather Service Telecommunication Gateway
NWWS	NOAA Weather Wire Service
OAT	Operational Acceptance Test
OPS24	Office of Operational Systems, Test & Evaluation Branch
OSIP	Operations and Services Improvement Process
PAMS	Product Availability Monitoring System
POC	Point of Contact
SAME	Specific Area Message Encoder
TRG	Test Review Group
TTR	Test Trouble Report
WCM	Warning Coordination Meteorologist
WFO	Weather Forecast Office
WMO	World Meteorological Organization
WSH	Weather Service Headquarters

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## 1.0 Introduction

This report contains the test and evaluation results from the Field Operational Demonstration (FOD) conducted by the National Weather Service (NWS), for the All Hazards Emergency Message Collection System (HazCollect). The report includes the test objectives and criteria, Test Trouble Reports (TTRs), and test results.

At the Operational Acceptance Test (OAT) Wrap-Up meeting in July 26, 2006, the HazCollect Test Review Group (TRG) (see Attachment A) recommended the HazCollect Program Office to fix 12 pending Priority 2 TTRs prior to initial deployment. The HazCollect Program Office agreed with this recommendation, and requested the Test & Evaluation Branch (OPS24) to conduct a follow-on OAT (FOAT) to verify all Priority 2 TTRs are fixed in a new build.

At the FOAT Readiness Review meeting on November 2, 2006, the Program Office announced the HazCollect v1.1/Disaster Management Interoperability Services (DMIS) client v2.3.3 is ready for the FOAT. However, the new build only contained fixes for six of the 12 TTRs. The TRG decided to continue with the test, but no recommendations for national deployment will be made based on the test results. OPS24 will conduct the test to validate all the test objectives in the FOAT plan. The Program Manager will take these results to the Program Office and to members of the Operations and Services Improvement Process (OSIP) Gate 4 for further action. Additionally, the TRG decided to rename FOAT to 'Field Operational Demonstration'.

The Office of Operational Systems, Test & Evaluation Branch (OPS24) was responsible for the planning, conducting, and reporting of the FOD. The FOD was conducted under the guidelines of the HazCollect FOD Test Plan dated November, 2006. All problems and issues noted during the FOD were documented in the TTRs. These TTRs were adjudicated by the HazCollect TRG which met once every week during the entire FOD. The purpose of the FOD is to verify the fixes included in the HazCollect v1.1/DMIS client v2.3.3 and to test the objectives outlined in the FOD Test Plan.

The HazCollect FOD started on Monday, November 6, 2006, and ended Thursday, November 30, 2006. The initial end date for the FOD was November 22, 2006 but was extended in order to retest the National message. The FOD was conducted, with emergency manager (EM) support, at the following NWS Weather Forecast Offices (WFOs) during the dates indicated:

- WFO Tallahassee, FL (November 6 through November 30)
- WFO Paducah, KY (November 13 through November 30)
- WFO Kansas City/Pleasant Hill, MO (November 13 through November 30)
- WFO San Francisco, CA (November 13 through November 30)
- WFO Sacramento, CA (November 13 through November 30)

## 2.0 Purpose

The purpose of the FOD is to verify all of the FOD test objectives passed. The FOD ensures all TTRs included in HazCollect v1.1/DMIS client v2.3.3 are properly implemented. The National message test confirms the end-to-end dissemination of test non-weather emergency messages (NWEM) for all WFOs since all WFOs have HazCollect enabled. Additionally, per Regional

Focal Points requests, the Program Office will discuss the status of the remaining Priority 2 TTRs, not included in the HazCollect v1.1/DMIS v.2.3.3.

In Section 4.0 Conclusion, Table 1 lists all of the FOD test objectives and test results verified during the FOD. The FOD test team tested the fixes to ensure the overall HazCollect system does not adversely affect current field office operations.

### **3.0 FOD Test Activities**

During the FOD, the test team (see Attachment B) performed testing at WFO Tallahassee FL (TAE) and at the Weather Service Headquarters (WSH) to verify six TTRs included in HazCollect v1.1/DMIS v2.3.3 and confirm the test objectives outlined in the FOD Test Plan. Additionally, several WFO sites (Paducah, Kansas City, Sacramento, and San Francisco) participated in the FOD as monitoring sites. The schedule of FOD test activities, including TRG meetings, is contained in Attachment J.

#### **3.1 Test Summary**

The Program Office delivered HazCollect v1.1 and the DMIS client v2.3.3 to OPS24 in preparation for the FOD. The HazCollect database was baselined and the new version (0.4) was used for the test. The AWIPS OB6.x and OB7.1 builds were used to verify the HazCollect interface and configuration setup. The FOD WFO sites (and each of the site focal points and AWIPS builds) are listed in Attachment C.

Prior to the start of the FOD, Battelle (contractor) ‘cleared’ the HazCollect system, and installed the HazCollect v1.1 software on the server. Battelle also released the DMIS client v2.3.3 software to all users. The WSH FOD test team and all of the participating emergency managers installed the DMIS client v2.3.3 on their test computers successfully. Additionally, all of the FOD sites have either pre-installed the AWIPS OB6.x or OB7.1 build.

The FOD testing started on November 6, 2006. The FOD test team was on-site at WFO Tallahassee, FL (TAE) from November 7 through November 8, 2006. At WFO TAE, the FOD test team confirmed message dissemination and confirmed TTR fixes at the WFO and at the State of Florida Division of Emergency Management office. The following week, November 13<sup>th</sup>, the FOD started at WFO Paducah, KY (PAH), WFO Kansas City/Pleasant Hill, MO (EAX), WFO Sacramento, CA (STO), and WFO San Francisco, CA (MTR). These four FOD monitoring sites confirmed message dissemination per installed AWIPS build OB6.x (PAH, STO, and MTR) and OB7.1 (EAX). WFO TAE, which had the AWIPS OB6.x installed at the start of the FOD, installed the AWIPS OB7.1 build on November 20, 2006. This upgrade did not cause any adverse effects during the FOD.

All of the FOD test objectives have been validated. There were six TTRs and three Pre-OAT issues (see Table 1, **Section 4.0 Conclusion**) that were successfully verified at WFO TAE and WSH. The National message testing was performed on November 8<sup>th</sup> and November 29<sup>th</sup>. Prior to the National message tests, Mike Moss (OPS21) had informed the TRG that all WFOs are enabled for HazCollect, which is different during the OAT when only the OAT sites were activated.

During both the National message testing, some WFOs reported problems from their sites. These problems were mostly site CRS database setup and NWEM CAFÉ formatter issues. The WSH FOD test team responded to the sites where problems were reported. In addition to the FOD test team, Joel Nathan (OPS23), Michael Moss (OPS21), and Odon Dario (CIO14) provided support in validating test results and/or responding to WFO problems during the National message test. The FOD test team also successfully performed the HazCollect Rack failover testing and verified the HazCollect EM Registration.

During the FOD, EMs from Daviess County KY, Leon County FL, and Contra Costa County FL were instructed to create and post test Administrative/Follow-Up (ADR) messages to verify their systems can connect into HazCollect. In the event of a real emergency, EMs were requested to create real NWEM messages with the proper event code and post them to areas within their designated Collaborative Operations Group (COG) scope. For the duration of the FOD, there were no actual emergencies for which NWEMs were generated by the EMs using the DMIS client v2.3.3.

Every week, TRG meetings were held to discuss TTRs found from the previous week. The TTRs logged each week were pre-mitigated at the pre-TRG meeting with the IWT members before being presented to the whole TRG for adjudication.

For detailed testing activities for each of the FOD sites and at WSH, see the meeting minutes and daily test status reports generated during the FOD. Attachment G lists all testing activities and their corresponding results and status.

### 3.2 User Surveys

After the FOD, OPS24 distributed user survey forms to the FOD sites and the emergency manager test participants for their comments during the test. The WFO FOD site forms included user name and title, site location, dates of testing, and AWIPS Build used during the test. For the EM form, the fields included test site, user name and title, dates of testing, COG name and level. Ratings were based on a scale from **1** being ‘Excellent’ to **5** being ‘Unsatisfactory’. A rating of **4** meant ‘Deficient’. Optional comments regarding the DMIS and HazCollect systems, including system implementation, were also requested. Both of the forms requested additional comments from the users for any rating of a **4** or **5**.

For the average values of the rated statements for each FOD sites and emergency manager surveys, see Tables 2 and 3 in Section 4.0 Conclusion. For the actual forms received by OPS24 from each of the FOD site personnel and EMs, see Attachment H.

### 3.3 Test Trouble Reports

There was a total number of **13 TTRs** generated during the FOD. Of these 13 TTRs, there are **10 open TTRs** which are divided into the following:

- 0 Open Priority 1 TTRs
- **4 Open Priority 2 TTRs (TTRs must be fixed before initial deployment)**
- 1 Open Priority 3 TTRs
- 3 Open Priority 4 TTRs
- 2 Open Priority 5 TTRs

Nine out of 11 FOD test objectives passed; eight TTRs were created, adjudicated, and assigned for the two objectives that failed (TTR# 43, 44, 45, 50, 51, 52, 53, and 54). The two remaining TTRs (TTR# 47 and 49) relate to message broadcast problems in Console Replacement System (CRS) and duplicate failover message respectively.

For a full description of all of the Priority levels, see Attachment D. Additionally, Battelle Help Desk also generated problem tickets for miscellaneous HazCollect/DMIS client-related issues and problems found during the FOD. A total of three HazCollect/DMIS Trouble Tickets were generated (Ticket #1904, #2043, #2048), two of which are still open (#1904, #2043) and which Battelle is investigating the cause. For an overall list of all closed and open TTRs, and open HazCollect/DMIS trouble tickets documented during the FOD, see Attachment D.

## 4.0 Conclusion

The FOD officially ended on November 30, 2006. At the FOD Wrap-Up meeting, held on December 12, 2006, the TRG did not make any recommendations for national deployment as previously agreed from the previous FOAT Readiness Review meeting. Additionally, the test results from the FOD were presented by OPS24 to the TRG. The HazCollect Program Manager will take these results to brief the OSIP Gate 4 members for further action.

A summary of the test results follows:

- **Test Objectives Results**

The list of all the HazCollect FOD test objectives, criteria, and results are listed in Table 1. **Per Table 1, nine out of 11 FOD test objectives passed.** For detailed descriptions of the test results, including explanations for all failed objectives, see Attachment F.

**Table 1 - HazCollect FOD Test Objectives and Results**

Item	Test Objective	Criteria	Result
1	Verify OAT Priority 2 TTRs and Pre-OAT fixes.	<u>CRITERIA:</u> The OAT Priority 2 TTRs and Pre-OAT fixes, included in HazCollect v1.1 and DMIS v2.3.3, are verified successfully. (See Attachment F).  <b>All TTR fixes included in HazCollect v1.1/DMIS client v2.3.3 were successfully verified during the FOD</b>	<b>PASS</b>
2	Verify HazCollect v1.1.	<u>CRITERIA:</u> The HazCollect v1.1 is functional.	<b>PASS</b>
3	Verify DMIS client toolkit software build v2.3.3.	<u>CRITERIA:</u> The DMIS client toolkit software build v2.3.3 is functional.	<b>FAIL</b>  TTRs 43, 44, 45

Item	Test Objective	Criteria	Result
4	Verify the HazCollect EM Registration Process.	<u>CRITERIA:</u> The HazCollect EM Registration Process is verified and functional.	<b>PASS</b>
5	Verify message dissemination at sites with AWIPS OB6.x and OB7.1.	<u>CRITERIA:</u> NWEM messages are successfully disseminated at sites with AWIPS OB6.x and OB7.1.	<b>PASS</b>
6	Verify National message dissemination.	<u>CRITERIA:</u> National NWEM messages are successfully disseminated at all HazCollect-enabled weather forecast offices.	<b>FAIL</b> TTRs 50, 51, 52, 53, 54
7	Verify NWWWS message dissemination.	<u>CRITERIA:</u> All NWWWS messages generated from HazCollect NWEM messages are successfully disseminated for all products.	<b>PASS</b>
8	Verify correct message format for NWWWS messages.	<u>CRITERIA:</u> All NWWWS messages generated from HazCollect NWEM messages are successfully disseminated with correct message format.	<b>PASS</b>
9	Verify the HazCollect rack failover processing.	<u>CRITERIA:</u> The HazCollect rack failover and subsequent failback processing are successfully performed.	<b>PASS</b>
10	Verify the NWEM Guidelines documentation.	<u>CRITERIA:</u> The NWEM Guidelines documentation is accurate and available.	<b>PASS</b>
11	Verify DMIS/HazCollect Help Desk	<u>CRITERIA:</u> The DMIS/HazCollect Help Desk is verified and fully functional.	<b>PASS</b>

- **New TTRs**

There were **13** TTRs generated during the FOD. There are **10** open TTRs still pending, including **four open Priority 2** TTRs (**#44, #45, #50, and #51**) (see Attachment D).

The Program Office (OST11) informed the TRG TTRs #44 and #45 were DMIS client-related problems. The Program Office will schedule a meeting with the Department of Homeland Security (DHS) to discuss the future disposition of the DMIS client software. Battelle (contractor) was informed by DHS to not perform any updates to the current DMIS client v2.3.3 toolkit.

Herb White (OS51) added that DHS might not want to update the current DMIS client v2.3.3 and instead use their resources to transition to the Homeland Security Information Network (HSIN) and improve/enhance the user interface for a potential migration into the DMIS Thin Client (i.e., web-based software). This status applies to all outstanding DMIS client-related Priority 2 TTRs (#44 and #45) found in the FOD, including TTRs #7, #10, #12, and #27 which were documented during the OAT but not included in DMIS client v2.3.3 (see

Attachment I). The proposed meeting on December 19, 2006 by the Program Office and DHS was postponed and will be rescheduled in January 2007.

For TTR #50, the group decided that Joel Nathan (OPS23) will generate a Technical Information Package (TIP) for disabling the ISSUE TIME and will forward this TIP to Iyad Salman (OPS12) for distribution to all the field offices. The TRG recommended this configuration change should be retested by the Office of Science & Technology (OST31) to validate the fix.

For TTR #51, Joel Nathan generated a fix to the NWEM formatter to have a timeout value of 2 minutes (increased from 1 minute). While the fix has been successfully verified and tested in WSH, Joel Nathan recommended it needs to be retested by OST31 at the sites that reported the problem (WFO Atlanta GA, WFO Paducah KY, WFO Taunton MS, WFO Salt Lake City UT, and WFO Philadelphia/Mt Holly).

- **User survey averages**

User surveys forms returned by FOD sites (5) and emergency managers (3) were rated based on ratings scales designated in **Attachment H**. The **average ratings** for forms received by OPS24 from the FOD sites are displayed in Table 2, and emergency managers in Table 3. Ratings that had a value of 'N/A' were not factored into the average ratings.

**Table 2 – OAT Site Personnel User Survey Average Ratings**

Statement	Average Rating*
HazCollect documentation, including any training materials, is adequate and accurate.	3.0
HazCollect NWEM dissemination under non-severe weather conditions.	2.2
HazCollect NWEM dissemination under severe weather conditions.	3.0
HazCollect effect on existing NWS infrastructure/dissemination systems	2.6
HazCollect effect on WFO operators or forecasters workload.	2.8
AWIPS & CRS performance during the National message test	2.8

**Table 3 – Emergency Manager User Survey Average Ratings**

Statement	Average Rating*
DMIS documentation, including any training materials, is adequate and accurate.	2.67
HazCollect authentication and authorization processing.	1.67
DMIS software user interface ease of use.	3.67
DMIS software dissemination of CAP formatted NWEM.	2.67
HazCollect alert response and/or any error notification back to DMIS.	2.67
Battelle/DMIS Help Desk responsiveness.	2.67
DMIS effect on emergency manager workload.	3.67

Statement	Average Rating*
DMIS software is suitable for general implementation.	3.33

\* Ratings consisted of:

- |                  |   |
|------------------|---|
| 1 – Excellent    | 4 – Deficient                                     |
| 2 – Good         | 5 – Unsatisfactory                                |
| 3 – Satisfactory | N/A – Not applicable (not factored into averages) |

Additionally, all emergency managers (EM) commented in their user surveys that the DMIS client interface is still not user friendly and their users would require more training before it becomes operational.

- **Status of TTRs that were NOT included in HazCollect v1.1/DMIS client v2.3.3**

At the FOD Wrap-Up meeting, the Program Office presented the summary and status of all TTRs (six total) that were NOT included in HazCollect v1.1/DMIS client v2.3.3 and were NOT tested during the FOD. These TTRs and their status are listed in Attachment I.

As previously mentioned, TTRs #7, #10, #12, and #27 are all DMIS client-related and will be mitigated after the meeting with the Program Office and DHS. The Program Office currently has several solutions for TTR #8 which involves broadcast problems when two NWEMs are sent at the same time. These solutions (including a recommended solution) will be presented to Mark Paese (OPS1) for approval prior to implementation.

TTR #19 involves the testing of the DMIS OPEN Application Programming Interface (API) for CAP. Jon Adkins (OST31) is currently heading this test effort and will commence the testing starting mid-January, 2007.

At the end of the FOD, the TRG decided to allow the HazCollect system to stay enabled until December 31, 2006 for further stability testing. The system will not be promoted or defined as ‘operational’, but instead will be designated as ‘experimental’. The participating HazCollect FOD EMs will be allowed to use the HazCollect only for actual non-weather emergencies, unless further approval is requested, granted, and notifications provided to do local testing. The Program Office has since requested, from the (DHS), and was granted an extension for the HazCollect system to stay enabled until March 31, 2007.

## 5.0 Recommendations

At the FOD Wrap-Up meeting, the TRG agreed to the following recommendations:

- The FOD test results have been provided by OPS24 to the Program Office. The HazCollect Program Manager will collect all the information, including these test results, needed to brief the OSIP Gate 4 members and the NWS Corporate Board's Operations Committee. A meeting date has not been set yet.
- The Program Office will need to reschedule and meet with DHS to mitigate the future disposition of the DMIS client and provide status for all the pending DMIS client-related TTRs (#7, 10, 12, 27, 44, and 45). The initially proposed meeting on December 19, 2006 was postponed to January 2007.
- The Program Office will obtain Mark Paese's (OPS1) approval for a solution to TTR #8 which involves message broadcast problems for when two NWEMs are sent in at the same time.
- Jon Adkins (OST31) will coordinate, conduct, and document the DMIS OPEN API testing (TTR #19). The start of the DMIS OPEN API testing is scheduled for mid-January 2007.
- Jon Adkins will coordinate, conduct, and document to retest TTRs #50 and #51. The retest dates have not been identified.

## Attachment A – HazCollect FOD Test Review Group (TRG)

Name/Organization * = Alternate		Function	Phone	Pre-TRG IWT	Voting Member
Jerald Dinges	OPS24	TRG Chair	301-713-0326 x160		Yes
Bert Viloría	OPS24	OAT Test Director	301-713-0326 x131 FAX: 301-713-0912	Yes	
Jae Lee	OPS24	OAT Support	301-713-0326 x158	Yes	
Steven Schofield	OST11	HazCollect Program Manager	301-713-3391 x139	Yes	Yes
Timothy Hopkins	OST31	OST31 Branch Chief	301-713-1570 x129	Yes	
Jon Adkins	OST31	HazCollect Technical Lead	301-713-0304 x111	Yes	Yes
Joel Nathan	OPS23	CRS/CAFÉ Formatter Software Manager	301-713-0191 x119		Yes
Herb White	OS51	Dissemination Services Manager	301-713-0090 x146	Yes	Yes
Arthur Kraus	OS51	Dissemination Services Support	301-713-0090 x161	Yes	
Gregory Zwicker	OPS17	Dissemination Systems	301-713-9478 x141		Yes
Iyad Salman	OPS12	HazCollect Integrated Logistics Support Lead	301-713-1833 x135	Yes	Yes
Daniel Starosta	CIO12	NWSTG POC	301-713-0864 x171		Yes
Ronald Jones	CIO	NWSTG/Internet Services POC	301-713-1381 x130		
Santos Rodriguez	CIO11	NWSTG/EMWIN POC	301-713-0077		
Ross Dickman Rick Watling *	ER1	Eastern Region HazCollect POC	631-244-0104 631-244-0123		Yes
Walt Zaleski Mike Mach *	SR11	Southern Region HazCollect POC	817-978-1100 x106 817-978-1100 x108		Yes
Greg Noonan Jim Keeney *	CR1	Central Region HazCollect POC	816-891-7734 x301 816-891-7734 x702		Yes
Craig Schmidt Jeff Lorens *	WR1	Western Region HazCollect POC	801-524-4000 x266 801-524-4000 x265		Yes
Freddy Peters	AR4	Alaska Region HazCollect POC	907-271-5145		Yes
Joel Cline Ken Waters * Bill Ward	PR	Pacific Region HazCollect POC	808-532-6414 808-532-6413 808-532-6415		Yes
Robert Goree (WCM)	WFO TAE	FOD Site POC	850-942-8834 x223		
Rick Shanklin (WCM)	WFO PAH	FOD Site POC	270-744-6440 x726		
David Soroka (WCM)	WFO MTR	FOD Site POC	831-656-1710		
Kathryn Hoxsie (WCM)	WFO STO	FOD Site POC	916-979-3041		

Name/Organization * = Alternate		Function	Phone	Pre-TRG IWT	Voting Member
Noelle Runyan Ryan Cutter Evan Bookbinder	WFO EAX	FOD Site POCs	816-540-5147		
John Fleming	EM	Emergency Manager	850-413-9888		
Walter Atherton	EM	Emergency Manager	270-685-8448		
Art Botterell	EM	Emergency Manager	925-646-4461		
Bernard Schmidt	Battelle	Project Manager	540-288-5586	Yes	

## Attachment B – HazCollect FOD Test Team

Name/Organization		Function	Phone
Bert Vilorio	OPS24	OAT Test Director	301-713-0326 x131 FAX: 301-713-0912
Jae Lee	OPS24	OAT Support	301-713-0326 x158
Herb White	OS51	Dissemination Services Manager	301-713-0090 x146
Arthur Kraus	OS51	Dissemination Services Support	301-713-0090 x161
Randy Chambers & NCF	CIO11	NCF Support	301-713-0864 x161
Robert Wagner	CIO11	EMWIN Support	301-713-0864 x109
Odon Dario	CIO14	NWSTG Support	301-713-0510 x172
Walter Mussante	CIO13	NWSTG Support	301-713-0877 x145
Wayne Martin Mike Moss	SST	AWIPS Support	301-713-1724 x166 301-713-1724 x168
Robert Goree (WCM)	WFO TAE	FOD Site POC/AWIPS POC	850-942-8834 x223
Rick Shanklin (WCM)	WFO PAH	OAT Site POC/AWIPS POC	270-744-6440 x726
Noelle Runyan Ryan Cutter (CRS POC) Evan Bookbinder	WFO EAX	FOD Site POCs	816-540-5147
David Soroka (WCM)	WFO MTR	OAT Site POC/AWIPS POC	831-656-1710
Kathryn Hoxsie (WCM)	WFO STO	OAT Site POC/AWIPS POC	916-979-3041
John Fleming	State of Florida Division of Emergency Management	Emergency Manager	850-413-9888
Walter Atherton	Daviess County, KY	Emergency Manager	270-685-8448
Art Botterell	Contra Costa County, CA	Emergency Manager	925-646-4461
Dan Lam	CSC	NWWS Support	703-818-4892
Bernard Schmidt	Battelle	Project Manager	540-288-5586
MarySue Schultz	GSD	AWIPS Support	303-497-6499

## Attachment C – HazCollect FOD Site/Monitoring Site Configurations

OAT sites (Site ID)	Point Of Contact	AWIPS Build
<b>WFO Tallahassee FL (TAE)</b> Love Building Florida State University Tallahassee, FL 32306 Phone: (850) 942-8833	<b>Robert Goree (WCM)</b> (850) 942-8834 x223 <a href="mailto:bob.goree@noaa.gov">bob.goree@noaa.gov</a>	<b>OB6.0/OB7.1</b>  Site installed 7.1 on Nov 20, 2006
<b>WFO Paducah KY (PAH) *</b> 8250 KY Highway 3520 West Paducah, KY 42086-6440 Phone: (270) 744-6440	<b>Rick Shanklin (WCM)</b> (270) 744-6440 x726 <a href="mailto:ricky.shanklin@noaa.gov">ricky.shanklin@noaa.gov</a>	<b>OB6.1</b>
<b>WFO Kansas City/Pleasant Hill MO (EAX) *</b> 1803 North 7 Highway Pleasant Hill, MO 64080-9421 Phone: (816) 540-6021	<b>Noelle Runyan</b> (816)540-5147 <a href="mailto:noelle.runyan@noaa.gov">noelle.runyan@noaa.gov</a>  <b>Ryan Cutter</b> (816)540-5147 <a href="mailto:ryan.cutter@noaa.gov">ryan.cutter@noaa.gov</a>  <b>Evan Bookbinder</b> (816)540-5147 <a href="mailto:evan.bookbinder@noaa.gov">evan.bookbinder@noaa.gov</a>	<b>OB7.1</b>
<b>WFO San Francisco CA (MTR) *</b> 21 Grace Hopper Ave, Stop 5 Monterey, CA 93943-5505 Phone: (831) 656-1725	<b>David Soroka (WCM)</b> (831) 656-1710 x223 <a href="mailto:david.soroka@noaa.gov">david.soroka@noaa.gov</a>	<b>OB6.1</b>
<b>WFO Sacramento CA (STO) *</b> 3310 El Camino Ave. Sacramento, CA 95821 Phone: (916) 979-3051	<b>Kathy Hoxsie (WCM)</b> (916)979-3041 <a href="mailto:kathryn.hoxsie@noaa.gov">kathryn.hoxsie@noaa.gov</a>	<b>OB6.0</b>

\* monitoring site

## Attachment D – HazCollect FOD Test Trouble Reports

Date Found	TTR	Summary	Priority	Impact	Status
10/27/06	42	Bad national message created due to corrupted COG.	4	2	<i>Closed</i>
10/31/06	43	Incorrect HazCollect COG areas.	3	2	<b>Open</b> ; assigned to Steven Schofield
10/31/06	44	Bad NWEM message created using COGs with missing required address information.	2	2	<b>Open</b> ; assigned to Steven Schofield
11/01/06	45	Missing states in the DMIS v2.3.3 COG and Operator Profile state pick list.	2	2	<b>Open</b> ; assigned to Steven Schofield
11/13/06	46	Problems at sites due to the National message test on 11/8/06.	1	1	<i>Closed</i>
11/13/06	47	Non-broadcasted CRS messages using NWEM formatter.	4	3	<b>Open</b> ; assigned to Joel Nathan, Steven Schofield
11/14/06	48	Bad NWWS file format from national message testing.	1	1	<i>Closed</i>
11/22/06	49	Failover message duplication.	5	4	<b>Open</b> ; assigned to Jon Adkins. Analysis is still pending.
12/05/06	50	National Msg Test - Missing timezone in the issue time line.	2	2	<b>Open</b> ; assigned to Jon Adkins, Joel Nathan
12/05/06	51	National Msg Test - NWEM formatter problems (FFC, PAH, BOX, SLC, PHI).	2	1	<b>Open</b> ; assigned to Jon Adkins, Joel Nathan
12/05/06	52	National Msg Test - WFO HFO receiver problems.	4	4	<b>Open</b> ; assigned to Arthur Kraus
12/05/06	53	National Msg Test - WMO message line wrapping.	4	5	<b>Open</b> ; assigned to Jon Adkins, Steven Schofield
12/07/06	54	National Message Test - WFO San Juan old message broadcast problem.	5	4	<b>Open</b> ; assigned to Jon Adkins, Joel Nathan.  Initial analysis cannot determine cause. No log files are available for additional analysis.

Priority 1 – *need immediate fix*

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 – *Minimal to no impact; nice to have*

TOTAL TTRs CLOSED: 3

Priority 1 TTRs OPEN: 0

**Priority 2 TTRs OPEN: 4**

Priority 3 TTRs OPEN: 1

Priority 4 TTRs OPEN: 3

Priority 5 TTRs OPEN: 2

## HazCollect/DMIS trouble tickets

HazCollect/DMIS Trouble Tickets generated (user reported): 3 (#1904, #2043, #2048)

**HazCollect/DMIS Trouble Tickets (user reported) OPEN: 2 (# 1904, #2043)**

**Ticket #1904** (Date opened: 11/8/06 - OPEN)

Description:

User receives an error message after attempting to post a message in the DMIS application.

**Error: Error saving NWEM before post.** The user closed the DMIS application and now gets **error: Error reading server status open bracket java.io.eof.exception close bracket**, after logging into DMIS.

**Ticket #2043** (OPEN)

Description:

User reports that during login, the DMIS client returns authentication errors and was not able to login properly. Initial response from the Help Desk proposes local network issues. User responded that the event happened at multiple sites, including confirmation at the Help Desk workstation. Current trouble ticket status from Battelle was not available due to, as reported by Battelle, issues with disclosing trouble ticket information to other agencies.

## Attachment E – HazCollect TTRs /Pre-OAT Issues tested during the FOD

TTR / Pre-OAT Issue	Description	Result
<b>9</b>	Cannot modify the headline field of the message during a Correction.	<b>PASS</b>
<b>13</b>	Guam and Louisiana state message concerns during a National message test.	<b>PASS</b>
<b>16</b>	Compliance with CAP 1.1 standard.	<b>PASS</b>
<b>34</b>	DMIS client time zone for Alaska did not have AK9ADT.	<b>PASS</b>
<b>36</b>	Logout command from DMIS client misleading.	<b>PASS</b>
<b>39</b>	DMIS Help Desk Issues.	<b>PASS</b>
<b>Issue 1b</b>	Badly formatted messages from NWS uplink sites.	<b>PASS</b>
<b>Issue 21</b>	When adjacent land zone/marine zone share two different WFOs, it can create a scenario where a land zone/marine zone pair is sent to one WFO with the correct BBB encoding, but is sent to the second WFO with the incorrect BBB encoding.	<b>PASS</b>
<b>Issue 22</b>	At some sites, AWIPS ID in message is improperly constructed, leading to failed message dissemination. This is caused by mismatch between station ID and AWIPS ID for San Juan, Guam, and Pago Pago.	<b>PASS</b>

## Attachment F – Detailed Test Objectives, Criteria, and Results

Based on the test objectives and criteria set by the HazCollect FOD Test Plan, the general conclusion for each of the following test objectives include:

a. **Verify OAT Priority 2 TTRs and Pre-OAT fixes.**

CRITERIA: The OAT Priority 2 TTRs and Pre-OAT fixes, included in HazCollect v1.1 and DMIS v2.3.3, are verified successfully. (*Test Location: field demo sites and WSH*)

**PASS:** *The TTRs and Pre-OAT issues, listed in Attachment E, were all tested successfully*

b. **Verify HazCollect v1.1**

CRITERIA: The HazCollect v1.1 is functional. (*Test Location: field demo sites and WSH*)

**PASS:** *During the FOD, there were no critical errors found for the HazCollect v1.1 system.*

c. **Verify DMIS client toolkit software build v2.3.3**

CRITERIA: The DMIS client toolkit software build v2.3.3 is functional. (*Test Location: field demo sites and WSH*).

**FAIL:** *There were DMIS client problems found during testing (see Attachment D, TTRs #43, #44, and #45). Additionally, three EMs all reported in their survey comments (see Attachment I) that the DMIS client interface is still not user-friendly and would require more training for their users before it becomes operational.*

d. **Verify the HazCollect EM Registration Process**

CRITERIA: The HazCollect EM Registration Process is verified and functional. (*Test Location: WSH*)

**PASS:** *The HazCollect EM registration process was successfully verified. Collaborative Operations Groups (COG) were properly created on the EM registration website and the subsequent upload file was generated and successfully uploaded via the COG Administration website Upload COG utility.*

e. **Verify message dissemination at sites with AWIPS OB6.x and OB7.1**

CRITERIA: NWEM messages are successfully disseminated at sites with AWIPS OB6.x and OB7.1. (*Test Location: field demo sites or WSH*)

**PASS:** *During the FOD, test ADR messages were successfully disseminated from sites that had the AWIPS OB6.x (TAE, STO, MTR) as well as the OB7.1 build (TAE, EAX). WFO TAE installed the OB7.1 on Nov 20<sup>th</sup>.*

f. **Verify National message dissemination**

CRITERIA: National NWEM messages are successfully disseminated at all HazCollect-enabled weather forecast offices. (*Test Location: field demo sites or WSH*).

**FAIL:** *During both National Message testing on Nov 8<sup>th</sup> and Nov 29<sup>th</sup>, there were*

problems reported by the field offices. Problems involved CRS database site setup, NWEM formatters, etc. (see Attachment D, **TTR #50, #51, #52, #53, and #54**)

g. **Verify NWS message dissemination**

CRITERIA: All NWS messages generated from HazCollect NWEM messages are successfully disseminated for all products. (Test Location: field demo sites or WSH)

**PASS:** All 55 NWS files were accounted for during the National message testing on Nov 8<sup>th</sup> and Nov 29<sup>th</sup>, 2006. Additionally, NWS files were verified for the daily test ADR messages from EMs.

h. **Verify correct message format for NWS messages**

CRITERIA: All NWS messages generated from HazCollect NWEM messages are successfully disseminated with correct message format. (Test Location: field demo sites or WSH)

**PASS:** During the National message test on Nov 8<sup>th</sup> 2006, there were 4 NWS files (Montana, Kansas, Puerto Rico, and Virgin Islands) that did not have the proper format. The cause of the format problems were later diagnosed as problems due to an outdated AWIPS executable for the WFO Kansas City (EAX) and WFO San Juan (SJU). This was tracked as **TTR #48**. Subsequently, both sites have updated their software. During the National message test on Nov 29<sup>th</sup>, all 55 NWS files were verified to be properly formatted. **TTR #48** has now been **closed**.

i. **Verify the HazCollect rack failover processing**

CRITERIA: The HazCollect rack failover and subsequent failback processing are successfully performed. (Test Location: WSH)

**PASS:** The HazCollect rack failover testing was successfully performed on Nov 16<sup>th</sup>, 2006. Odon Dario disconnected both phone lines (AT&T and MCI) and Walter Atherton created, using DMIS, a test ADR message from Daviess County, KY. The message disseminated through the backup server at Stafford, VA (Battelle facility), through BNCF, and to CRS at WFO PAH. Odon Dario reconnected both phone lines and OPS24 contacted Battelle to perform failback operations. The next day, Joseph Golden (Battelle) reported that the HazCollect system has now been failback to the HazCollect Rack#1 at Silver Spring, MD. Walter Atherton was able to successfully send his daily test ADR message afterwards.

j. **Verify the NWEM Guidelines documentation**

CRITERIA: The NWEM Guidelines documentation is accurate and available. (Test Location: field demo sites or WSH)

**PASS:** A draft copy of the NWEM Guidelines document has been distributed to WFO Sacramento CA (STO), WFO San Francisco CA (MTR), WFO Paducah KY, and WFO Pittsburgh PA (PBZ).

k. **Verify DMIS/HazCollect Help Desk**

CRITERIA: The DMIS/HazCollect Help Desk is verified and fully functional. (Test

*Location: field demo sites or WSH)*

**PASS:** *The DMIS/HazCollect Help Desk satisfactory acknowledged calls from the HazCollect FOD test team (logon problems, failover failback), and the emergency manager participant (Walter Atherton). The Help Desk created trouble tickets and inquired about ticket status when it was in question.*

## Attachment G – HazCollect OAT Test Activities

During the FOD, testing involved the generation of test ADR messages. Test ADR messages that were posted as **Active/Actual** means they were 'Disseminated'. Test ADR messages that were posted as **Active/Test** means they were merely sent to the HazCollect server and were 'Not Disseminated'.

Test Performed			Disseminated	Not Disseminated
1.	11/07/06	<p><b>On site ADR message tests at WFO TAE</b> (1 <i>Active/Test</i>, 3 <i>Active/Actual</i>)</p> <p>Tested <b>TTR #36</b> (Logout command – misleading) – <b>OK</b>. Tested <b>TTR #9</b> (Cannot modify headline field during Correction) – <b>OK</b>. Tested <b>Pre-OAT Issue #21</b> (Adjacent marine zones plus shared weather events between WFOs caused improper coding of the BBB field in WMO heading) – <b>OK</b>.</p>	<b>3</b>	<b>1</b>
	11/08/06	<p>(1 <i>Active/Actual</i>) Tested connectivity at State of Florida Emergency Mgmt Office – <b>OK</b>.</p>	<b>1</b>	<b>0</b>
2.	11/13/06-11/30/06	<p><b>EM Daily test ADR messages</b> WFO TAE:       <b>0</b> (EM reported computer malfunction) WFO PAH:       <b>11</b> WFO MTR/STO: <b>1</b></p>	<b>12</b>	<b>0</b>
3.	11/13/06-11/30/06	<p><b>Actual non-weather emergencies generated by EMs.</b></p>	<b>0</b>	<b>0</b>
4.	11/08/06	<p><b>National message test</b> TG, NWWS received 55 files successfully (excluding the State of Alaska), but 4 files (Montana, Kansas, Puerto Rico, and Virgin Islands) reported bad format. Problem attributed to outdated executable in AWIPS. Both WFO EAX and WFO SJU have since updated their software for the upcoming national message test on 11/29/06.</p>	<b>1</b>	<b>0</b>
	11/29/06	<p><b>National message test.</b> TG, NWWS received 55 files – <b>OK</b>. All NWWS msgs format – <b>OK</b>.</p> <p>There were 103 field offices (excluding the state of Alaska) reporting successful dissemination of ADR messages. There were 13 sites that reported ADR dissemination problems. One field office (WFO Wilmington NC) was not able to monitor as they were installing AWIPS OB7.1. Two sites (WFO Dallas/Fort Worth and WFO Houston/Galveston) did not provide responses. Most of the problems reported were due to incorrect CRS database setup, and NWEM CAFÉ formatter issues.</p> <p>Problems reported have been tracked in TTRs #50, #51, #52, #53, and #54.</p> <p>Two Priority 2 TTRs: TTR #50 – Issue time timezone was not displayed. Joel Nathan (OPS23) proposed generating a Technical Information Package (TIP) to address the issue time being disabled. Jon Adkins (OST32) will retest this TTR.</p>	<b>1</b>	<b>0</b>

		<p>TTR #51 – NWEM CAFÉ formatter issues at WFO Atlanta GA (FFC), WFO Paducah KY (PAH), WFO Taunton MS (BOX), WFO Salt Lake City UT (SLC), and WFO Philadelphia/Mt Holly (PHI). Joel Nathan has identified and tested fixes to the formatter. WSH testing has been successfully performed. Jon Adkins will retest this TTR operationally using the sites that reported the problem.</p> <p>The National message testing verified <b>Pre-OAT Issue 1b, TTR #13, and TTR #16 - OK</b></p>		
5.	11/16/06	<p><b>Rack failover test</b>  Disconnected phone lines (AT&amp;T and MCI). Walter Atherton created and sent a test ADR message. Message disseminated via backup server at Stafford, VA and through Between rack – OK (BNCF -&gt; TG failed on 6/5, OK on 6/7)</p> <p>The messages used for testing the failover and subsequent failback were Walter Atherton’s daily test ADR messages.</p>	0	0
6.	11/30/06	<p><b>HazCollect EM Registration testing - HazCollect EM Registration Process (11/30/06) – tested COG creation.</b> There were some initial problems found. On correction, the COG upload file was generated. This COG upload file was tested and uploaded using the HazCollect COG Server Administration website and a problem was found for uploading a new COG that has a COG scope level for state. The upload reported COG scope errors using the EM registration-generated COG upload file.</p>	0	0
7.	11/6/06	<p><b>Additional testing at WSH</b>  Performed verification of <b>TTR #9 – OK</b>  Performed verification of <b>TTR #34 – OK</b>  Performed verification of <b>TTR #36 – OK</b>  Performed verification of <b>Pre-OAT #21 – OK</b>  Performed verification of <b>Pre-OAT #22 – OK</b></p>	0	11
<b>SUB TOTALS:</b>			<b>18</b>	<b>12</b>
<b>TOTAL MESSAGES:</b>			<b>30</b>	

## Attachment H – HazCollect Questionnaires / User Surveys

### Emergency Manager Questionnaires

**Art Botterell response:**

Test Site:	Contra Costa County, California	Date (mm/dd/yyyy):	12/4/2006
Name and Title:	Art Botterell, Community Warning System Manager		
Dates of Test: mm/dd/yyyy	11/13/2006 to: 11/30/2006		
COG Name:	CA Contra Costa County CWS	Scope:	Local

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

1 <b>Excellent</b> Performed in a manner that could not be improved	2 <b>Good</b> Performed well, met field needs and offered some improvements	3 <b>Satisfactory</b> Performed in a manner that meets basic field needs	4 <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
DMIS documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect authentication and authorization processing.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software user interface ease of use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software dissemination of CAP formatted NWEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect alert response and/or any error notification back to DMIS.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battelle/DMIS Help Desk responsiveness.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS effect on emergency manager workload.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DMIS software is suitable for general implementation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing. Include your comments and/or reasons for any item that received a rating of 4 or 5.**

*\* The DMIS client interface is really quite confusing to the occasional user... which at most sites is the only kind of user DMIS will have. Some serious usability engineering would be required if the DMIS client were vital... but it may not be, as discussed below.*

*\* The handling of CAP messages in DMIS is much improved, but still fairly limited. One still gets the impression that the DMIS implementers are doing the absolute minimum required by their customers rather than taking any initiative to enhance their CAP processing.*

*\* Emergency managers simply don't have time to add another process to their emergency warning workload. EMs need a single application to activate all their warning systems at once, or else some of*

*them (the least usable or the least familiar) will be triaged off the agenda. Given the continuing usability problems and the still-limited CAP compliance, the DMIS client isn't it. That's why the OPEN interface, which still hasn't been tested, is so crucial.*

*\* The DMIS client is at best a temporary expedient, and the OPEN interface is still untested, so no, the software definitely is not ready for general implementation. Now that most of the intra-NWS problems are getting straightened out, more emphasis needs to be placed on providing a certified network interface to HazCollect, whether via DMIS OPEN or more directly. With such an interface in place it will be possible for a variety of providers to experiment and evolve more suitable user interfaces. Without that interface there's no incentive or opportunity to make HazCollect more usable.*

*HazCollect is a crucial undertaking. The initial trials have demonstrated its feasibility, but it will need to be more fully and flexibly CAP-compatible to maintain its place alongside cellular and other alerting initiatives.*

**John Fleming response:**

Test Site:	Florida Division of Emergency Management, Tallahassee, FL	Date (mm/dd/yyyy):	12/4/2006
Name and Title:	John T. Fleming, Communications and Warning Officer		
Dates of Test: mm/dd/yyyy	11/7/2006 to: 11/8/2006		
COG Name:	Florida Division of Emergency Management	Scope:	State

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

<b>1</b> <b>Excellent</b> Performed in a manner that could not be improved	<b>2</b> <b>Good</b> Performed well, met field needs and offered some improvements	<b>3</b> <b>Satisfactory</b> Performed in a manner that meets basic field needs	<b>4</b> <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	<b>5</b> <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A</b> <b>Does Not Apply</b>
--	--	---	---	---	-------------------------------------

Statement	1	2	3	4	5	N/A
DMIS documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect authentication and authorization processing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software user interface ease of use.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software dissemination of CAP formatted NWEM.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect alert response and/or any error notification back to DMIS.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battelle/DMIS Help Desk responsiveness.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS effect on emergency manager workload.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software is suitable for general implementation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing. Include your comments and/or reasons for any item that received a rating of 4 or 5.**

*Remember that this response is based on only about 5 complete test cycles but, for the most part, we are impressed by the HazCollect system and concept. Less so by DMIS. They both have the potential to provide another tool for public warning and alerting and we will enthusiastically and wholeheartedly support and endorse both systems.*

*However, they do require some more work to make them more reliable and more user-friendly and a system that emergency managers can quickly learn and use. To do so, both of these programs will require the support and endorsement of their parent agencies in both the initial deployment and the long term support and operation.*

*There was particularly nasty child abduction this weekend, originally occurring at about 8 PM Friday night and still ongoing. The initial EAS AMBER ALERT broadcasts were for 8 counties in South Florida but as time passed, the broadcast areas were expanded to cover the entire state by noon Sunday. In retrospect, we should have triggered HazCollect with this announcement but we were so busy with other things involved with it, the fact that it occurred over the weekend and our*

*on-duty operators had not been sufficiently trained in its use, we just didn't do it. If the Law Enforcement people want to issue subsequent AMBER alerts for Florida for this case, we will repeat their announcement via HazCollect.*

**Walter Atherton response:**

Test Site:	Daviess County EMA	Date (mm/dd/yyyy):	12/4/2006
Name and Title:	Walter Atherton, Deputy Director EMA		
Dates of Test: mm/dd/yyyy	11/13/2006 to: 11/30/2006		
COG Name:	KY Daviess EMA	Scope:	Local

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

<b>1</b> <b>Excellent</b> Performed in a manner that could not be improved	<b>2</b> <b>Good</b> Performed well, met field needs and offered some improvements	<b>3</b> <b>Satisfactory</b> Performed in a manner that meets basic field needs	<b>4</b> <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	<b>5</b> <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A</b> <b>Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
DMIS documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect authentication and authorization processing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software user interface ease of use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software dissemination of CAP formatted NWEM.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect alert response and/or any error notification back to DMIS.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battelle/DMIS Help Desk responsiveness.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS effect on emergency manager workload.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMIS software is suitable for general implementation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing. Include your comments and/or reasons for any item that received a rating of 4 or 5.**

*My only comment is HazCollect is not satisfactory for quick use by someone that does not work with it every few days.*

*In spite of the concerns, we are moving ahead with implementation of the entire DMIS product in our area. I sincerely feel that the combination (DMIS and HazCollect) will be a valuable tool for both Public Health and Public Safety organizations.*

## Weather Forecast Offices Questionnaires

### Robert Goree (WFO Tallahassee FL WCM) response:

Test Site:	WFO TAE	Date (mm/dd/yyyy):	12/4/2006
Name and Title:	Bob Goree, Warning Coordination Meteorologist		
Dates of Test mm/dd/yyyy:	11/07/2006 to: 11/30/2006		
AWIPS Build:	7.1		

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

1 <b>Excellent</b> Performed in a manner that could not be improved	2 <b>Good</b> Performed well, met field needs and offered some improvements	3 <b>Satisfactory</b> Performed in a manner that meets basic field needs	4 <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under non-severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on existing NWS infrastructure/dissemination systems	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on WFO operators or forecasters workload.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWIPS & CRS performance during the National message test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please provide any additional comments regarding the HazCollect system during the FOD testing. Include your comments and/or reasons for any item that received a rating of 4 or 5.

**Kathy Hoxsie (WFO Sacramento CA WCM) response:**

Test Site:	NWS Sacramento CA	Date (mm/dd/yyyy):	12/6/2006
Name and Title:	Kathy Hoxsie, WCM		
Dates of Test mm/dd/yyyy:	11/13/2006 to: 11/30/2006		
AWIPS Build:	7.0		

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

1 <b>Excellent</b> Performed in a manner that could not be improved	2 <b>Good</b> Performed well, met field needs and offered some improvements	3 <b>Satisfactory</b> Performed in a manner that meets basic field needs	4 <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	5 <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	N/A <b>Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under non-severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HazCollect effect on existing NWS infrastructure/dissemination systems	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on WFO operators or forecasters workload.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWIPS & CRS performance during the National message test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing.** Include your comments and/or reasons for any item that received a rating of 4 or 5.

**David Soroka (WFO San Francisco CA WCM) response:**

Test Site:	NWS San Francisco CA	Date (mm/dd/yyyy):	12/7/2006
Name and Title:	David Soroka, WCM		
Dates of Test mm/dd/yyyy:	11/13/2006 to: 11/30/2006		
AWIPS Build:	6.1		

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

<b>1</b> <b>Excellent</b> Performed in a manner that could not be improved	<b>2</b> <b>Good</b> Performed well, met field needs and offered some improvements	<b>3</b> <b>Satisfactory</b> Performed in a manner that meets basic field needs	<b>4</b> <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	<b>5</b> <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A</b> <b>Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under non-severe weather conditions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HazCollect effect on existing NWS infrastructure/dissemination systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on WFO operators or forecasters workload.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWIPS & CRS performance during the National message test	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing.** Include your comments and/or reasons for any item that received a rating of 4 or 5.

**Ryan Cutter (WFO Kansas City/Pleasant Hill CRS Focal Point) response:**

Test Site:	EAX, Pleasant Hill, MO	Date (mm/dd/yyyy):	12/7/2006
Name and Title:	Ryan Cutter/Meteorologist/CRS Focal Point		
Dates of Test mm/dd/yyyy:	11/13/2006 to: 11/29/2006		
AWIPS Build:	7.1		

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

<b>1</b> <b>Excellent</b> Performed in a manner that could not be improved	<b>2</b> <b>Good</b> Performed well, met field needs and offered some improvements	<b>3</b> <b>Satisfactory</b> Performed in a manner that meets basic field needs	<b>4</b> <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	<b>5</b> <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A</b> <b>Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under non-severe weather conditions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on existing NWS infrastructure/dissemination systems	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on WFO operators or forecasters workload.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWIPS & CRS performance during the National message test	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing.** Include your comments and/or reasons for any item that received a rating of 4 or 5.

*My biggest complaint would be the lack of training offered on HazCollect. Perhaps training that provided an overview of HazCollect was offered to WCM's earlier this year, but I was not made aware of this training by our former WCM. I only became familiar with HazCollect and its requirements in August when I was tasked with preparing AWIPS and CRS for the upcoming implementation of the system with AWIPS 7.0. With the help of others, I spent 2+ shifts redoing our ASCII database on CRS for HazCollect to work. That is a lot of work for a system that is A) not operational yet, and B) will have much of its function (as I understand it) taken over by NWRWaves come AWIPS 8.0 (but I digress).*

*I was able to brief the folks at my office on what to expect during the test message, but even I was not a 100% sure how the national test was to be run. While EAX was a bit fuzzy on the operations of HazCollect, we were more prepared than surrounding FO's which were essentially clueless about HazCollect and the national test. During the first national test message on Nov 8th, we were inundated with phone calls and messages on our 12planet chat room because the surrounding offices had not been told much of anything about the test. The second test message, on Nov 29th, ran a bit more smoothly, but we were dealing with the forecast and coordination of a major record breaking snow event. Given the severity of the event unfolding, we would have preferred to have bumped the test*

**Ricky Shanklin (WFO Paducah, KY WCM) response:**

Test Site:	PAH	Date (mm/dd/yyyy):	12/11/2006
Name and Title:	Rick Shanklin, WCM		
Dates of Test mm/dd/yyyy:	11/13/2006 to: 11/30/2006		
AWIPS Build:	OB6.1		

Respond to the statements below by checking the rating box that best describes your opinion according to the following code:

<b>1</b> <b>Excellent</b> Performed in a manner that could not be improved	<b>2</b> <b>Good</b> Performed well, met field needs and offered some improvements	<b>3</b> <b>Satisfactory</b> Performed in a manner that meets basic field needs	<b>4</b> <b>Deficient</b> Performed in unsatisfactory manner, does not fully meet field needs, may be workarounds	<b>5</b> <b>Unsatisfactory</b> Performed in a wholly unsatisfactory manner, does not meet field needs and negatively impacts field operations	<b>N/A</b> <b>Does Not Apply</b>
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Statement	1	2	3	4	5	N/A
HazCollect documentation, including any training materials, is adequate and accurate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under non-severe weather conditions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect NWEM dissemination under severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on existing NWS infrastructure/dissemination systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HazCollect effect on WFO operators or forecasters workload.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWIPS & CRS performance during the National message test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please provide any additional comments regarding the HazCollect system during the FOD testing.** Include your comments and/or reasons for any item that received a rating of 4 or 5.

**Attachment I – Priority 2 TTRs not included in HazCollect v1.1/DMIS v2.3.3  
and not tested during the FOD**

<b>TTR</b>	<b>Description</b>	<b>Program Office Status at the Wrap-Up meeting</b>
7	No restriction in the types of NWEMs that can be issued by an EM.	DMIS client issue. A meeting with NWS and DHS has been set up on 12/19/2006 to discuss the future disposition of the DMIS client toolkit. Steve Schofield was requested to provide an updated status after the meeting.
8	An incorrect message was broadcasting on CRS when two ADRs were transmitted at the same time.	The Program Office has several solutions to the problem. These solutions will be presented to Mark Paese (OPS1) prior to an implementation. Date of completion is TBD.
10	Update and Correction limitations.	DMIS client issue. A meeting with NWS and DHS has been set up on 12/19/2006 to discuss the future disposition of the DMIS client toolkit. Steve Schofield was requested to provide an updated status after the meeting.
12	Message sent to other COGs was not received.	DMIS client issue. A meeting with NWS and DHS has been set up on 12/19/2006 to discuss the future disposition of the DMIS client toolkit. Steve Schofield was requested to provide an updated status after the meeting.
19	HazCollect must be able to ingest a CAP message from other EM Systems.	According to Jon Adkins (OST31), the OPEN API testing, headed by Jon Adkins, will commence around mid-January 2007. Additionally, OST32 (Tim Hopkins, Jon Adkins) informed the TRG that there will be no operational testing for the OPEN API testing. The testing will be performed per the OPEN API test plan. The OPEN API Test Plan has been generated and is currently undergoing review by the OPEN API test team.  The OPEN API Implementation Plan has also been generated with inputs from the regional focal points via earlier conference calls. The final OPEN API Implementation Plan will be distributed to the OPEN API test team, regional focal points, and the participating emergency managers before the OPEN API test.
27	HazCollect Interface Issues.	DMIS client issue. A meeting with NWS and DHS has been set up on 12/19/2006 to discuss the future disposition of the DMIS client toolkit. Steve Schofield was requested to provide an updated status after the meeting.

## Attachment J – Test Schedule

November 2006						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
October 29	30	31	November 1	2	3	4
			Install DMIS v2.3.3			
				<b>Follow-ON OAT Readiness Review Meeting 2:00 PM EST</b>	NATIONAL PNS (OS51)	
5	6	7	8	9	10	11
	<b>Start of Field Operational Demonstration</b>	<b>FOD @ WFO TAE</b>	<b>NATIONAL MESSAGE TEST @ 1:15 PM EST</b>			
	WFO TAE Local PNS	All WFO Local PNS	<b>TRG @ 2:00 PM EST</b>			
12	13	14	15	16	17	18
	<b>START monitoring @ WFO STO, WFO MTR, WFO PAH, &amp; WFO EAX</b>		<b>TRG @ 2:00 PM EST</b>			
	10AM local:EM daily msg	10AM local:EM daily msg	10AM local:EM daily msg	10AM local:EM daily msg	10AM local:EM daily msg	
19	20	21	22	23	24	25
	10AM local:EM daily msg	10AM local:EM daily msg	10AM local:EM daily msg			
26	27	28	29	30	December 1	2
			<b>NATIONAL MESSAGE TEST @ 3:10 PM EST</b>	<b>End of Field Operational Demonstration</b>		
	10AM local:EM daily msg	10AM local:EM daily msg	10AM local:EM daily msg	<b>TRG @ 2:00 PM EST</b>		