



# Introduction to the DM Program and DMIS Tools





# Topics Outline

- **DM Program Overview**
- **DMIS Demo**
- **Registration Info**



## Disaster Management (DM) E-Gov

- One of President's 24 E-Government interagency initiatives established by the Office of Management and Budget
- **Objective:** Improve all-hazards incident response and recovery by creating the ability to securely share information across the Nation's emergency management community.

# DM Program Components

- **Open Platform for Emergency Networks (OPEN)**
  - Interoperability infrastructure enabling alert and incident information sharing
- **Disaster Management Interoperability Services (DMIS)**
  - Provides basic incident management software tools
- **Messaging Standards Initiative (DHS S&T/OIC)**
  - Public-private partnership creating messaging standards
  - Facilitates information sharing between disparate incident management systems and software applications



## How do OPEN, DMIS & Messaging Standards relate?

- **OPEN** provides a backbone that allows data sharing to occur between distributed & disparate systems.
- **DMIS** provides a basic incident management toolset to groups that have no mechanism, so they can manage and share information with others through **OPEN**.
- **DMIS** and **OPEN** both use **Collaborative Operating Groups (COGs)** as addresses to identify groups with which to share data.
- **Messaging Standards** provides the standards by which disparate systems can develop interfaces to **OPEN** so that they may share data.



# What is DMIS?

- **DMIS** is a client server based system
  - That means software must be loaded onto a user's local workstation, which enables it to communicate with a server through the Internet.
  - This architecture allows users to share data with others, yet still have some limited local capability if Internet connectivity is lost.
  - DMIS is not web-based
- **DMIS** uses a **VPN (Virtual Private Network)** to ensure privacy
  - Local Group Administrators control the users in their own group ... more on that later



# What is a COG?



- A **COG** is a group of **DMIS Operators** who need to coordinate actions and work on incident records together using the **DMIS Tools**
- A **COG** can also be a group using an outside system **interfaced to OPEN** to share Alerts
- A **COG** could represent a **County Emergency Management Office, Police/Fire Department, State EM, Tribal EM, Federal Agency, etc.**

# How do COGs work with DMIS?



**You**

Share  
externally



**Members of  
another COG**

## • Internal COG Collaboration

- Create, update information collaboratively
- Members with appropriate privileges:
  - Have updates as information is saved
  - Can edit the information

Collaborate  
internally

## • External COG Information Sharing

- Directed (posted) to selected COGs
- Recipients can view information and then comment using on-line chat (Messenger)
- Recipients can forward snapshots of information if originator grants permissions



**Members of your COG**

# How do COGs work with OPEN?



From your system

Through OPEN



Members of  
another  
COG

- **External COG Information Sharing**
  - Directs Alerts to other COGs using CAP standard message formats



# DMIS Tools Capabilities



- **Tactical Information Exchange**
  - **Mapping with collaborative markups**
  - **Incident Information Sharing**
  - **Weather Observations**
  - **Journal with auto time/date stamp**
- **DMIS Messenger**
- **Common Alerting Protocol (CAP) Alerts**
- **NOAA HazCollect interface**



# DMIS Demo



File DMIServices Actions Window Help

New Open SNB... Save Save Copy Post... Attach... Alert Contacts Edit Address Quick Pick Add Row Delete Row Edit Data

Incident - Charlotte Me... (Chip003 - Ch...)

Incident Information

- Charlotte M...
- Incident Information
- Site Information
- Agent Information
- Casualties
- Weather Forecasts
- On Scene Weather
- Population Actions
- Property Damage
- Infrastructure
- Medical
- Map
- Additional Info
- Journal

\*Incident Number: Chip003 - Charlotte

General Information

\*Incident Name: Charlotte Medical

\*Incident Type: HAZMAT-Industrial Mater...

\*Date/Time of Incident: 04/13/2006 11:04 AM

\*Description: HAZMAT spill involving sulphuric acid on interstate

Map

General Use  
Infrastructure  
Natural Events  
Operations  
Incidents

Symbols

- ATF

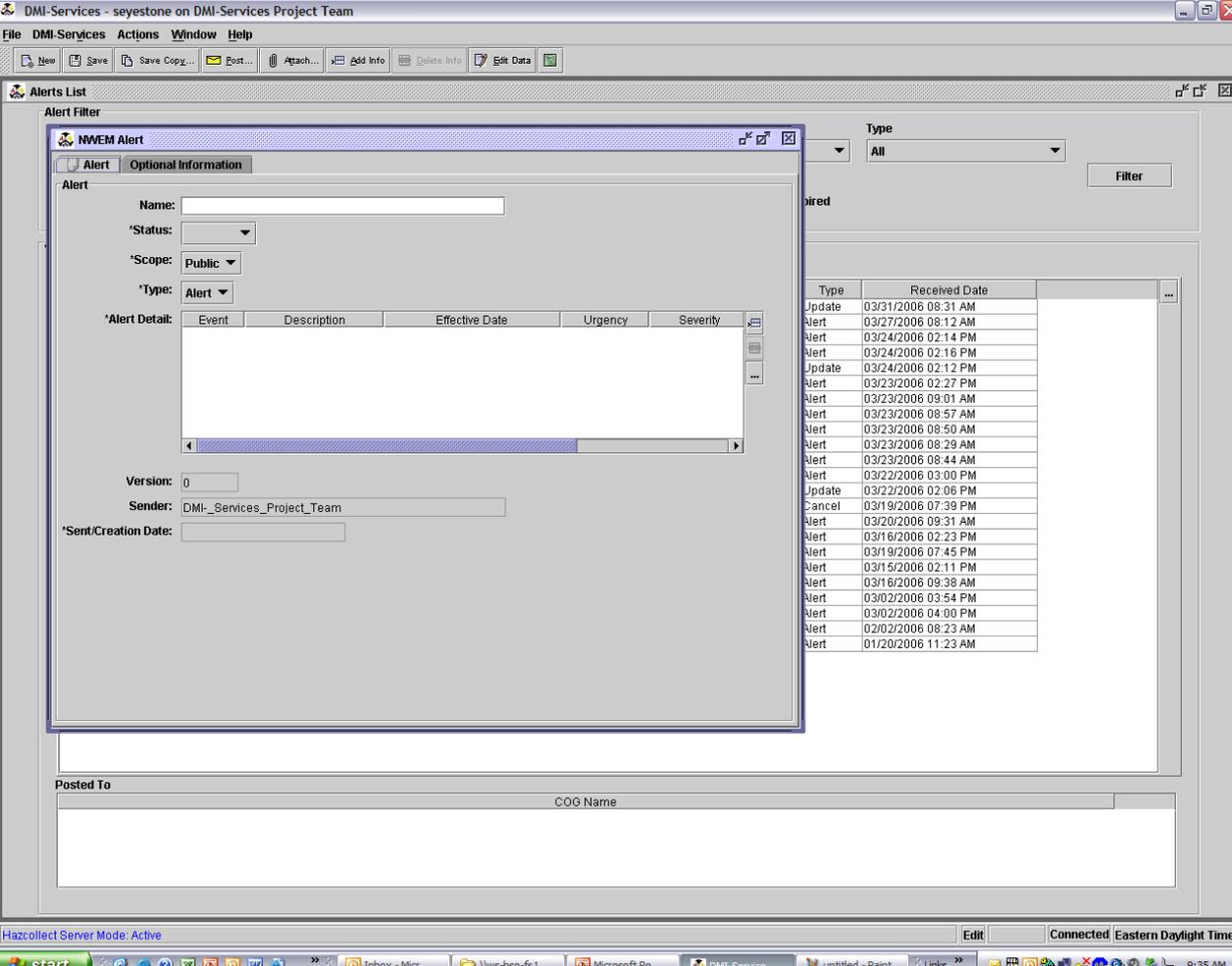
Map showing streets, EMS locations, and a Morgue. Legend includes: Hines, Chip; Plotted Locations; Sites; Shelters; Medical Facility; Specific Needs; Property Damage; DMI-Services Project.

Type	Name	Address Line 1	Address Line 2	City	State	Zip	Latitude	Longitude

Ready

Edit Connected Eastern Daylight Time

# NOAA HazCollect NWEM Authoring Tool



The screenshot shows the NWEM Authoring Tool interface. The main window is titled "Alerts List" and contains an "Alert Filter" section on the left and a table of alerts on the right. The "Alert Filter" section includes fields for Name, Status, Scope (set to Public), Type (set to Alert), and Alert Detail (a table with columns for Event, Description, Effective Date, Urgency, and Severity). Below the filter are fields for Version (0), Sender (DMI\_Services\_Project\_Team), and Sent/Creation Date. The table on the right lists various alerts with columns for Type and Received Date. The interface also shows a "Posted To" field and a "COG Name" field at the bottom.

Type	Received Date
Update	03/31/2006 08:31 AM
Alert	03/27/2006 08:12 AM
Alert	03/24/2006 02:14 PM
Alert	03/24/2006 02:16 PM
Update	03/24/2006 02:12 PM
Alert	03/23/2006 02:27 PM
Alert	03/23/2006 09:01 AM
Alert	03/23/2006 08:57 AM
Alert	03/23/2006 08:50 AM
Alert	03/23/2006 08:29 AM
Alert	03/23/2006 08:44 AM
Alert	03/22/2006 03:00 PM
Update	03/22/2006 02:06 PM
Cancel	03/19/2006 07:39 PM
Alert	03/20/2006 09:31 AM
Alert	03/19/2006 02:23 PM
Alert	03/19/2006 07:45 PM
Alert	03/15/2006 02:11 PM
Alert	03/16/2006 09:38 AM
Alert	03/02/2006 03:54 PM
Alert	03/02/2006 04:00 PM
Alert	02/02/2006 08:23 AM
Alert	01/20/2006 11:23 AM

- Sample screen shot of NWEM Alert
- NWEM Alerts would be displayed in a format that is native to your software app or device
- NWEMs provide **critical** and **actionable info**



# How Do I Establish a DM COG?



- **Register for a COG at [www.dmi-services.org](http://www.dmi-services.org) .**
  - Select **“Enter Website”** then **“Register”** then **“Registration Form.”** Complete and submit the form.
  - Use the **“Remarks”** field to state how the group wants to use **DMIS Tools** or **DM OPEN**.
  - **Only one person per group needs to register. The local Group Admin can create additional users**
- **Please be explicit as to how your group intends to use the COG** (how large the COG is projected to be, membership construct, the group’s current business process and how it wants DMIS or OPEN to automate that, planned frequency of use, etc.)
- It will take several days for the DM Team to validate the request, create accounts and then email DMIS download information, account logins and initial training links.