Disaster Management Interoperability Services (DMIS)

Disaster Management eGov Initiative (DM)

Technologies for Critical Incident Preparedness Conference and Exposition 2005

October 31, 2005

DM Initiative Overview

• One of the 24 eGov initiatives established by the President’s Management Agenda

• Provides a single source of access to information and services relating to disasters

• Enhancing the nations capacity to cope with all types of disasters and day-to-day incidents through the ability to share information
Initiative Components

- **Portal to information and services** for the public and for the incident response community (www.DisasterHelp.Gov)

- **Information exchange standards**: A public-private partnership to create information sharing capabilities between disparate incident management software applications

- **Disaster Management Interoperability Services (DMIS)** provides basic incident management tools and the supporting infrastructure to share incident information

Disaster Management Interoperability Services (DMIS) Toolset and Interoperability Backbone

- A basic set of tools for those organizations who can’t afford commercial software, want a low-cost entry level system, or want to connect to organizations that don’t have alternatives

- Allows for the exchange of incident-related information across geographical and governmental boundaries

- Includes tools such as: alerts, national maps, specific needs request, and tactical information exchange
Interoperability Backbone
Enables sharing of the common operating picture among different systems

Basic Tools
Enable all jurisdictions to capture and share the common operating picture

Shared common operating picture
Increases response efficiency and effectiveness
Decreases loss of life and critical infrastructure

Serving the Emergency Response Community

Interoperability Backbone Members
- Use the DMIS infrastructure to share information with other DMIS users and with other commercial incident management tools.
- The DMIS Backbone may be used with other vendor’s compliant software and tools.

DMIS User Group
- Collaborative group of one or more validated emergency response entities.
- Once a member of a user group, you may receive the DMIS software and gain access to the interoperability backbone.

1,500+ user groups
50 states
103 Interoperability Backbone Members
110 real incidents
517 exercises
Responders’ Problems

“Our systems can’t talk to each other.”

“What systems? We can’t afford to buy software!”

DMIS Solutions

Nationally-scalable interoperability backbone

No-cost, basic tools for shared situation awareness

The “haves” get freedom to choose best software for their needs. The “have-nots” can improve their response capability and participate in the national system-of-systems.

Status

• Providing free basic incident management tools (DMIS) and a path to upgrade to commercial products

• Established the infrastructure, supporting tools, and information sharing capabilities

• Developing practitioner-driven messaging standards and working with vendors to implement them into commercial products as well as our own
  - Messaging standards allow all incident management software and systems to communicate seamlessly

• Memorandum of Agreement with the Emergency Interoperability Consortium (EIC) to implement standards in commercial software
Future State

- The emergency response community is sharing information as needed, and information sharing stovepipes do not exist
- All incident management software and systems can exchange information
- A strong market community is responsive to user needs and enhances software to meet those needs
- Users recognize the value of incident management software
- Everyone who needs incident management software has it
- Users are experienced and can effectively use incident management software

This event was a real world – real time event. Tracking was done only on one workstation as we luckily did not have to go to COR II (storms missed us). The Hurex post however was done in real world – real time with dispatchers at one location (fire dept) entering information from 1st responders and it being viewed at the Emergency Operations Center (police dept) several blocks away.

System performed well and provided the IC Command Staff with visual (maps) and text updates and information. We also utilized the instant messenger system sending Command Staff questions to the dispatchers who were able to get the information from 1st responders and get answers back to the Command Staff very quickly. Overall the system performed very well during the exercise which led to decision to use it for real event (Bonnie & Charlie).
Shelters

<table>
<thead>
<tr>
<th>Location</th>
<th>Shelter Name</th>
<th>Address 1</th>
<th>Address 2</th>
<th>City</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dog 2011</td>
<td>Piper Park</td>
<td>7150 N 45th Street</td>
<td></td>
<td>Midwest</td>
<td>FL</td>
</tr>
<tr>
<td>Dog 2021</td>
<td>Memorial Park</td>
<td>7400 W 1500 E</td>
<td></td>
<td>Irvine</td>
<td>CA</td>
</tr>
</tbody>
</table>

Mapping
Ortho-imagery

Web Map Services
Posting

Questions and Contact Information

Chip Hines
Program Manager
Disaster Management eGov Initiative

(202) 646-3115
chip.hines@dhs.gov