

DMIS SPECIAL INTEREST GROUP

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Interoperability Demonstration

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Brief History

Responders' Needs

- ⦿ “Improve Communications”
- ⦿ “The systems we have can't talk to each other”
- ⦿ “Most of us don't have budgets for software”

Brief History Responders' Information Problems



Organization to
organization
interoperability
tends to be
inefficient



"Pass the rumor
telephone chaos."



"Same room
syndrome"



FAX
hassles

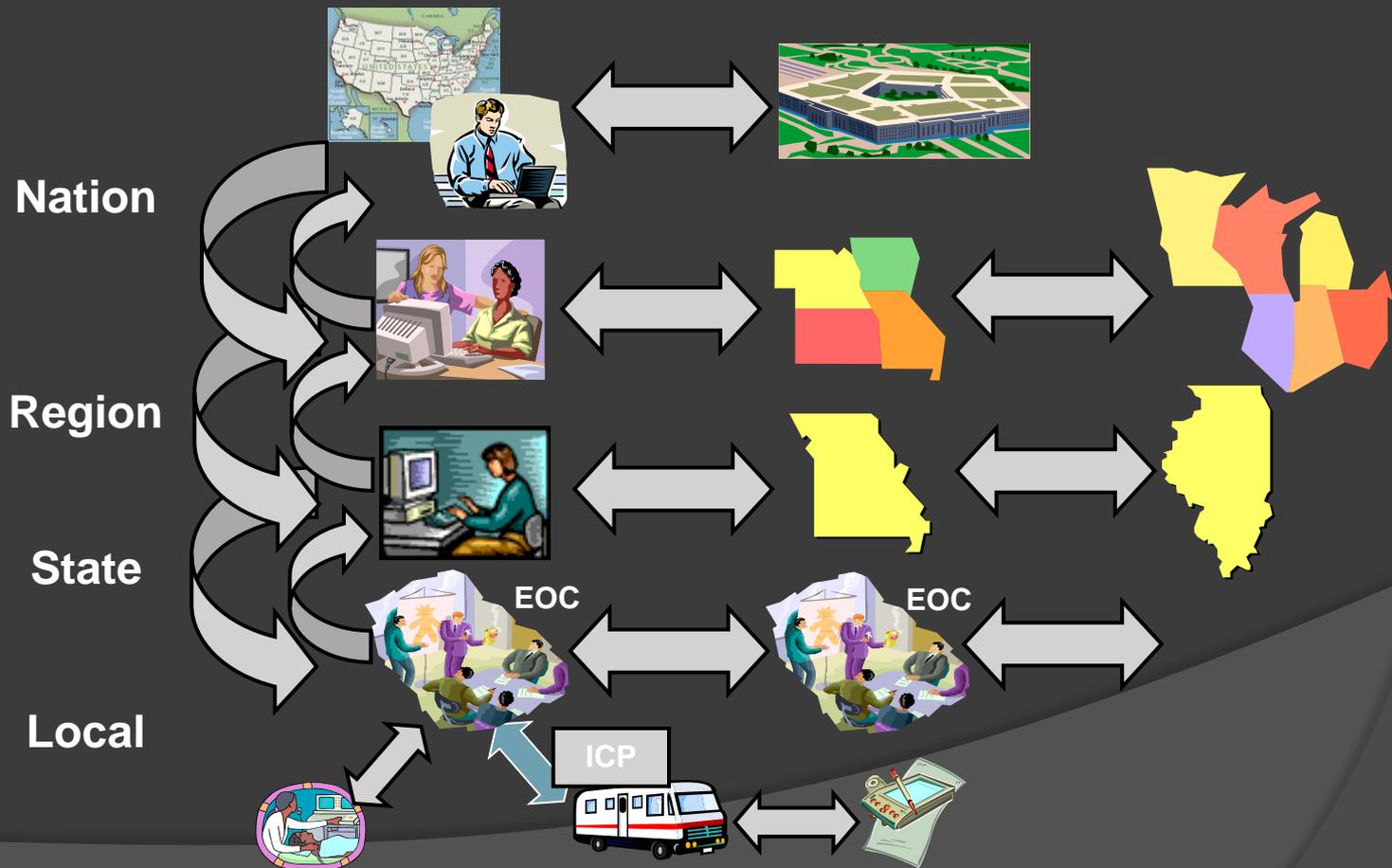


"Grease pencil and
acetate"

Brief History

Responder's Vision

- Leverage technology to gain efficiency
- Develop a national emergency information interoperability service enabling horizontal and vertical data sharing

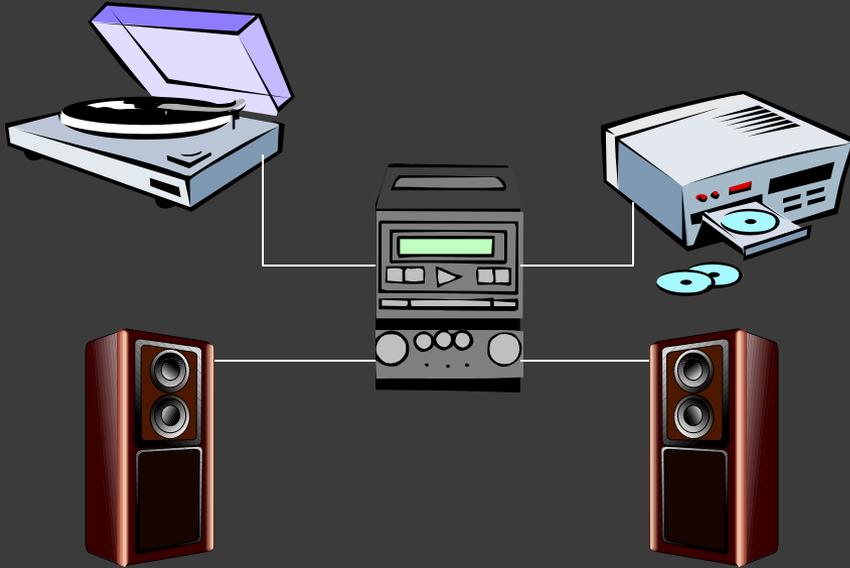


Description

- Open Platform for Emergency Networks (OPEN) – an interoperability backbone that lets systems “talk to each other”
 - Non-proprietary suite of web services
 - Provide public access to services that support sharing of information based on international standards
 - Gives responders freedom to choose software that best suits their needs
- DMIS Tools - basic automated tools
 - Send and retrieve CAP Messages
 - View alert messages and details on a national map

Architecture

What do you mean by “interoperability services?”



As special stereo components can interoperate through a shared component providing common services . . .

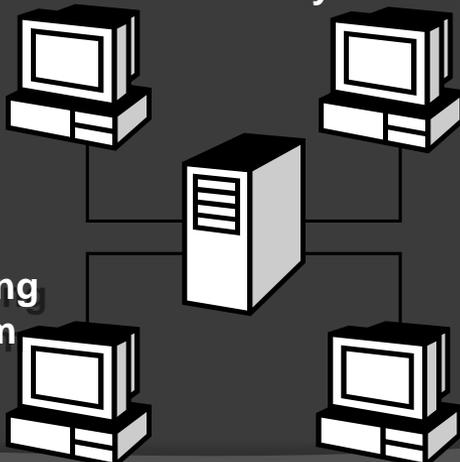
Incident Management System A

System B

. . . automated systems can interoperate through a shared component providing common services.

Mapping System

Weather System



DMIS OPEN is “the thing in the middle” enabling data sharing

Evolving Maturity

Interoperability Standards Development

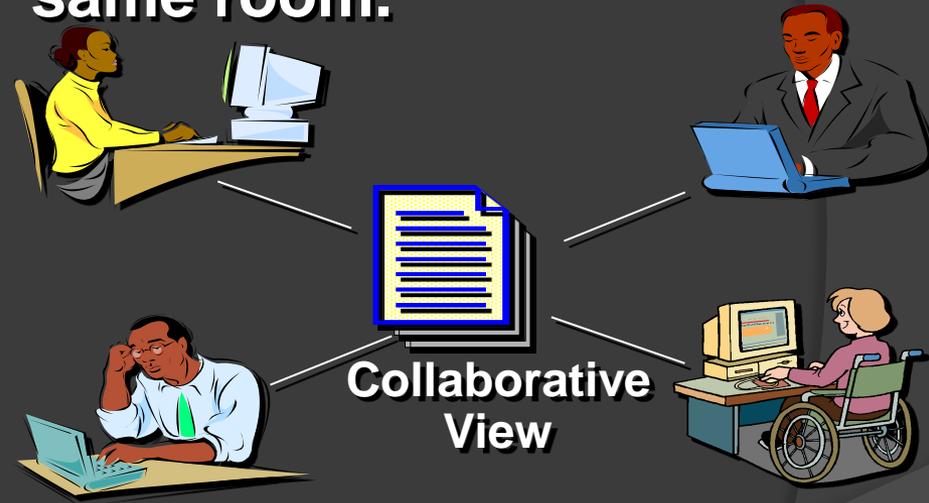
- ◎ OASIS Emergency Management Technical Committee (<http://www.oasis-open.org>)
 - Developing standards to help synchronize communications
 - Common Alerting Protocol (CAP)
 - Distribution Element (EDXL-DE)
 - Hospital Availability (EDXL-HAVE)
 - Resource Management (EDXL-RM)

The DMIS Collaborative Operations Group (COG) What is a COG?

A group of people
working together, . . .



. . . on the same information,
even if they are not in the
same room.



Computer technology and DMI-Services make it possible.

What is a COG?

- ⦿ An agency or group who needs to:
 - Coordinate actions
 - Share information based on accepted standards
 - There are over 2000 registered DMIS COGS
- ⦿ Examples of DMIS COGS
 - Homeland Security Operation Center
 - Colorado State Police
 - Nevada Clark County OEM
 - Nevada Las Vegas Police Department
 - Nevada State Emergency Management
 - Arizona State Emergency Management

Am I interoperable?

- ⦿ The following criteria must be met
 - CAP and/or standards compliant
 - OPEN ready
 - Registered DMIS COG

Where do I go to find out?

- ◎ NIMS Supporting Technology Evaluation Program (STEP)
 - Responder Knowledge Base (<https://www.rkb.us>)
 - System Assessment and Validation for Emergency Responders (SAVER) (<https://saver.fema.gov>)
- ◎ Register for a DMIS COG
DisasterHelp.gov Website
 - [http://www.disasterhelp.gov/disastermanagement/dmi
stools/obtain.shtm](http://www.disasterhelp.gov/disastermanagement/dmi%20tools/obtain.shtm)

Demonstration

- ⦿ Demonstrate sharing of alert messages among disparate systems
- ⦿ The following GOTS and COTS applications are participating
 - DMIS Tools
 - MyStateUSA
 - Previstar