



## Integrated Disaster Management System (IDMS)

Enables a rapid, coordinated response at local, state and national levels



### Benefits

- Delivers actionable information and awareness to and from field operations
- Provides interoperable voice and data communications among civilian and military agencies
- Integrates multiple sensors, data sources and decision analysis tools and data
- Supports rapid integration of new information databases and sensors
- Employs standards-based service-oriented architecture
- Scalable from local to worldwide applications

Recent large-scale disasters worldwide have highlighted the need to protect human life and manage the overall response. And Raytheon is proud to be an integral part of the solution. IDMS unites into one system the key capabilities a decision maker needs to effectively manage a disaster. Based on proven technologies, this approach fuses data into a high-fidelity situational awareness picture, which can be communicated to the appropriate emergency responders using interoperable communications.

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# Integrated Disaster Management System

## Provides Timely Situational Information

Rapid, coordinated response to natural and man-made disasters at the local, state and national level is paramount to the preservation of life, disaster containment, the reduction of economic and environmental impacts, and the allocation of resources. In order to manage these incidents, civilian and military disaster management personnel require accurate and timely situational information, interoperable communications incorporating efficient data sharing and effective resource coordination.

## Improves Decision-Making Among First Responders

The IDMS allows effective centralized command and control during an emergency by creating an integrated view of field observations, maps and satellite imagery. This data, fused along with pertinent resource tracking information, provides a high-fidelity situational awareness picture which can be shared with field personnel. The system also facilitates easy sharing of actionable information among first responders and military response teams by providing interoperable voice and data communications across disparate



communication systems. These features exponentially improve the speed and accuracy of interagency decision-making, response and intercountry coordination.

## Built on Proven Service-Oriented Architecture

The system is built upon a proven, tiered, service-oriented architecture and conforms to a number of civilian and military architecture framework standards. It is easily extensible and compatible with service-oriented architecture-capable tools. The system supports the use of many off-the-shelf components listed below and enables organizations to be NIMS and ICS compliant by utilizing resource tracking and organization management tools.

## Unparalleled Coordination

The Integrated Disaster Management System's situational awareness, interoperable communications and information-sharing capability among disaster participants acts as a force multiplier and rapid response enabler within the fast-paced environment of disaster management. This capability enables unparalleled coordination among decision-makers and responders.

## Capabilities

- Accurate and timely situational awareness information incorporating updated satellite imagery married with responder locations and other tracked resources
- Ability to incorporate live data feeds from a multitude of sensors — atmospheric, seismic, surveillance, tsunami, chemical/biological/radiological and historic data
- Interoperable communications among disparate communication systems utilizing JPS technology
- Provides the ability to send and receive field data utilizing the Global Relief Technologies SMART\*Kit
- NIMS and ICS resource tracking and organization management
- Facilitates emergency evacuation routing
- Training and planning functions with “what if” incident simulation capability

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