

**Products Used:**

- Intergraph Computer-Aided Dispatch (I/CAD) system
- Commercial off-the-shelf software

**Key Benefits:**

- Successful support of the Regional Command element during the September 11, 2001, terrorist attacks
- Improved channels of communication for first responders

**Profile:**

Name – Naval District Washington (NDW), Washington, D.C.

Web site – [www.ndw.navy.mil](http://www.ndw.navy.mil)

With the nation's capital at its heart, Naval District Washington is the regional provider of common operating support to 20 Naval installations within a one hundred mile radius of the Pentagon.

Size – more than 4,000 square miles in metro area

## Supporting Navy Antiterrorism and Force Protection Initiatives

### NDW Requires a Decision Support System as it Regionalizes its Operation

At the heart of the National Capital Region, the Naval District Washington (NDW) provides services, support, and interagency coordination to U.S. Navy and Marine Corps commands within the district's geographic area to help them fulfill their missions. As part of its regionalization effort, the Navy centralized its public safety, security, and operations organizations. Disparate approaches and technology existed across the region and did not allow for proper coordination of response to emergency events. In addition, the region as a whole was working under the constraints of a downsized operational budget to develop a system that could support a regionalized communications center. Quality of life, safety, and security were at risk as NDW faced new threats, including terrorist incidents that involved weapons of mass destruction.



### The Project Objectives:

- Integrate disparate approaches and technologies across the region
- Improve operational efficiency

### The Solution:

Working with the Navy, Intergraph's technical team devised a vision based on an integrated Information Technology approach. The solution centers around Intergraph's computer-aided dispatch (CAD) system, which incorporates the benefits of mapping/geographic information systems (GIS), integrates disparate pieces of information to develop a comprehensive database, and provides for the upgrade to the communications system to establish 9-1-1 as a common emergency response number. The vision also requires the integration of fire alarms, security alarms, radio systems, security cameras, fiber optic intrusion detection, and other technologies. To accomplish this, Intergraph transferred industry best practices and commercial off-the-shelf (COTS) software from the civilian world and worked in partnership with NDW to meet the requirements of a military region and the evolving antiterrorism and force protection initiatives. The COTS applications have been developed under strict management with software certification practices accepted worldwide.

The primary goal of the regional commander was to improve operational efficiency for emergency services and to provide the capability to manage large-scale events. Within those guidelines, it was necessary to provide a solution that allowed for the management of disparate pieces of information being generated from various sources to be presented in a coherent manner so that NDW could make proper decisions.

The key to improving efficiency was the integration of GIS with CAD systems. GIS lets personnel input, manage, analyze, and output information in a concise form. By allowing personnel to visualize incidents with Intergraph's location-based system, the solution provides a greater understanding of the complexities of an emergency situation. Once the public safety agencies – each with different information responsibilities – could access data from a central resource across the network, the system provided the basis for integrated information exchange. The configuration Intergraph provided supports a Regional Operations Center, an Emergency Operations Center (EOC), and an alternate EOC. It also now supports Air Force operations and will soon include Army operations in the National Capital Region. The configuration is designed to provide high availability and a complete back-up site.

### **Supporting the Regional Command element during the terrorist attacks**

In a major incident like a terrorist or weapon of mass destruction (WMD) threat, a coordinated response is an absolute requirement. Information flow to multiple response agencies must remain operational and well coordinated under the most hostile conditions. The channels of communication must be open at all times. Many lives are at stake, and the ability to provide different agencies with timely and accurate information is imperative. During the September 11, 2001, attacks, Intergraph's solution was put to the test as NDW coordinated the move of all Navy facilities to THREATCON Delta, activated the EOC to manage response issues for the Pentagon, and helped assess casualties. Throughout the process, Intergraph provided system support and training to NDW. The NDW regional commander related soon after the horrific events that the system exceeded expectations and thanked Intergraph for the support. Based on this success, NDW is planning on expanding the system to include additional antiterrorism / force protection capabilities.

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### **Naval District Washington**

Naval District Washington is responsible for efficiently delivering common operating support services to more than 120 mission commands located within the District of Columbia Region. Comprised of more than 26,000 acres, the Region has more than 71,000 civilian and military personnel.

### **Intergraph Security, Government & Infrastructure**

Intergraph Security, Government & Infrastructure (SG&I), headquartered in Huntsville, Alabama, serves a broad range of clients, including local, regional, and national governments; businesses, both public and private; and security and public safety organizations. Intergraph SG&I focuses on providing software and services to enable our clients to make the right decisions at the right time using the right information.

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