

# Next Generation 9-1-1 (NG9-1-1) Systems Integration

*NENA i3 compliant NG9-1-1 systems bring advances in geo-spatial routing and highly reliable IP architectures to public safety.*



## Capabilities

- *Allows emergency personnel to accept service requests through new technologies, providing real-time data and multi-media communication options*
- *Complies with the National Emergency Number Association's (NENA) i3 architecture standards, enabling local and nationwide interoperability for more effective and seamless public safety collaboration.*
- *Built on a secure architecture providing superior reliability and resiliency*
- *Highly scalable and extensible with opportunities for significant cost savings*
- *Provides geo-spatial routing capabilities ensuring more calls quickly reach the right destination with the best information available on the caller's location, when seconds count*

**G**eneral Dynamics Information Technology's Next Generation 9-1-1 solution enables individual jurisdictions, regions or states to easily accept emergency information from a variety of sources and provide first responders with faster, more accurate details to aid in response. The system is one of the first to be compliant with the National Emergency Number Association's (NENA) i3 architecture standards, which facilitate local and nationwide interoperability.

The NG9-1-1 solution transforms analog-based emergency systems into modern IP-based systems ensuring the full continuum of communication methods. This innovative program replaces the traditional Enhanced 911 (E911) call-handling system with a new IP-based NG9-1-1 system that allow emergency service requests from the public networks using a variety of communication methods and devices, including text, VoIP, and video. The new NG9-1-1 model ensures public safety needs can be met using these new and emerging modes of communication. The system also provides enhanced Geographical Information System data that accurately maps the caller's location information, and the ability to transfer calls and corresponding information to the most appropriate emergency response units. General Dynamics built the system on a secure cloud architecture, which provides superior reliability, redundancy and sustainability, and can scale to accommodate emergency communications for varying needs.

General Dynamics Information Technology's NG9-1-1 solution fully considers the primary objectives of achieving high-service availability, maximizing security controls, enabling improved maintenance, reducing operational costs through centralized operations and delivering legacy migration in a low-risk, highly regimented manner to ensure operational integrity.

Ensuring a seamless transition, General Dynamics IT's solution can include data centers, call taker positions, network operations, security operations and NG9-1-1 training to Public Safety personnel (Police, Fire, Dispatch) and other emergency service organizations creating an end-to-end solution.

General Dynamics IT is a leader in public safety, wireless and IP-based communications for state and local organizations. General Dynamics brings over 50 years of experience in design, deployment and support of telecommunications and network services. The company has implemented hundreds of Public Safety Answering Points, provided integration for new narrowband, wide area, trunked land mobile radio systems and continues to deploy mission critical communications systems in the Government market. The company also recently announced the successful transition of the E911 system in Morgan County, Ohio to a NG9-1-1 solution.

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**About General Dynamics  
Information Technology**

As a trusted systems integrator for more than 50 years, General Dynamics Information Technology provides information technology (IT), systems engineering, professional services and simulation and training to customers in the defense, federal civilian government, health, homeland security, intelligence, state and local government and commercial sectors. Headquartered in Fairfax, Va., with major offices worldwide, the company delivers IT enterprise solutions, manages large-scale, mission-critical IT programs and provides mission support services.

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