

## Broadband USA Applications Database

**Applicant Name:** Public Safety, Georgia Department of

**Project Title:** Georgia Interoperability Network Sustainability Project

**Project Type:** Sustainable Adoption

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### Executive Summary

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The proposed Georgia Interoperability Network Sustainability Project addresses the need of improving the infrastructure and eliminating a large portion of the recurring costs for Georgia's state-wide public safety interoperable communications network. The Georgia Interoperability Network (GIN) is used by state and local public safety agencies throughout the state. The network is a vital resource for the over 85,000 public safety personnel in the state that serve the 9.7 million residents of Georgia. To date, approximately 161 sites, Public Safety Answering Points (PSAP) and Dispatch Centers (DC), have been installed by the active GIN project. Funding for these sites has come mainly from the following federal grant programs: Law Enforcement and Terrorism Prevention Program (LETPP) from DHS – greater than \$11M; and Public Safety Interoperable Communications (PSIC) from NTIA/DHS – greater than \$1M. The proposed project will leverage the installed communications assets and project experience gained from these previous grants to build additional sustainability into the network:

- performance and reliability will be increased,
- additional bandwidth will be added, and
- recurring costs will be eliminated, protecting the network from future budget uncertainties.

The additional bandwidth can be used for other innovative public safety applications, such as the transmission of video and other bandwidth-intensive applications where needed. This innovative approach addresses known immediate issues by replacing unreliable, leased network components with more reliable, higher bandwidth wireless and fiber optic components that are owned and controlled by the state. These components will also enhance network security and administration capabilities.

Since 2005, the state has provided leadership and secured funding for the implementation of Georgia's first statewide interoperable public safety communications network - the Georgia Interoperability Network (GIN). To date, approximately 161 sites have been successfully installed. Project objectives and customer satisfaction have been achieved within the budgets of time and money. The proposed project will use the same successful delivery team members: the Georgia Department of Public Safety

(DPS), the Georgia Tech Research Institute (GTRI) and Motorola, Inc. Many of the current GIN project team members will be involved in the new project, and many of the proven GIN project delivery processes and project site archives will be adapted to the proposed project.

Finding ways to do more with less, increasing the efficiency of remaining staff members, and keeping operations moving forward have become some of today's most challenging governmental directives. While this dilemma has reached unprecedented levels in a bad economic climate, investment in the right solutions must still focus on the long-term. Installing state-owned systems provides fiscal responsibility today and ensures sustainability into the future.

Based on the product and services that are required by the project to provide the benefits described in the proposal, this project is expected to generate 41 jobs in the following areas: internal support functions, consultants, project management, contracting and order processing, research and development, product development, manufacturing, systems installation and integration, service support, lifecycle management, and site construction/civil work.

To achieve the benefits of the project described in this application will require a total investment by BTOP of \$9,797,988. Based on the demographics of the state, over 85,000 public safety personnel serving a state population of 9.7 million, the derived benefits will require an investment of approximately \$1 per resident and \$115 per public safety personnel. The major component of the required investment will be for products and services provided by the infrastructure partner, Motorola - \$8,549,176. Motorola will provide project management, engineering and installation services directly and through its subcontractor network. The products provided will include wireless microwave, fiber optics and tower upgrade components.

The GTRI partner will provide services including project management; technical and financial feasibility assessments; and testing and certification. These services will require an investment in the amount of \$963,434.

The Georgia Department of Public Safety will provide overall project management and project administrative services. This partner will require a BTOP investment in the amount of \$285,378 – 3% of the overall project budget.