

Information Technology and Telecommunications Laboratory

Georgia Tech Research Institute
Atlanta, Georgia



INTEROPERABLE COMMUNICATIONS FOR PUBLIC SAFETY

September 11, 2001 and Hurricane Katrina have brought attention to what has long been a major problem for first responders and other public safety officials - interoperable communications. GTRI has the expertise to provide support to national, state, and local government entities who are interested in addressing public safety communications problems. Sponsors such as the Georgia Emergency Management Agency and local governments in the Southeast have utilized GTRI to address their voice, data, and video communications needs. These efforts have ranged from local radio systems to a statewide Voice-over-IP radio gateway solution by assisting in the following areas:

•Technical Consulting

- GTRI can analyze the communications situation and recommend the most effective technologies to create the best solution. GTRI stays abreast with current and emerging technologies and evaluates them to determine how they can best be utilized.

•Systems Engineering

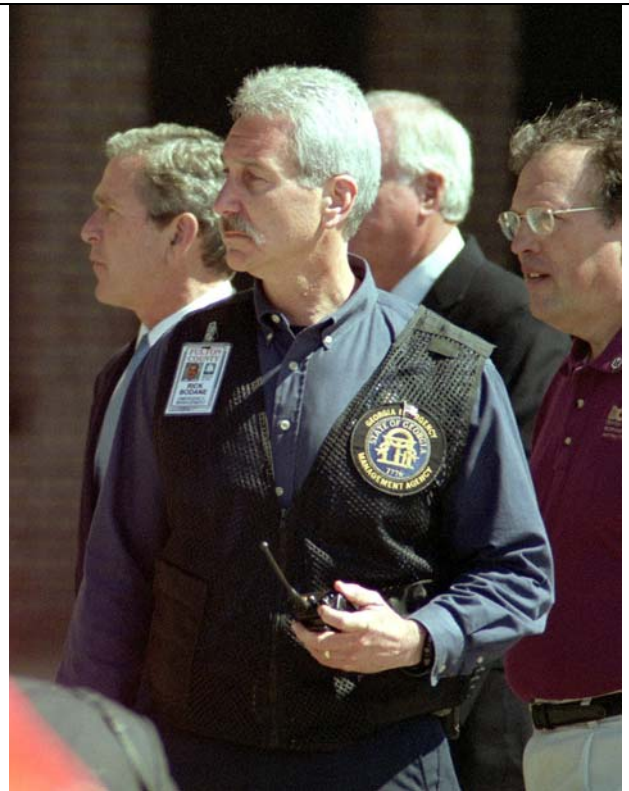
- GTRI's systems engineering methodology addresses the integration of all three components of a successful communications solution – technology, business processes, and people.

•Business Consulting

- Business consulting services are an integral part of GTRI's service offerings. Personnel are skilled and experienced in a variety of relevant disciplines, including: strategic business and information planning; business process re-engineering; financial analysis and planning; organization planning; and operational analysis and design.

•Project Planning

- GTRI will assist the client in documenting the business needs; establishing critical timelines; building budgets that include the total life cycle project costs; identifying and documenting necessary project organizations; identifying and documenting the necessary system standard operating procedures; identifying and documenting high level technical solution components; identifying and developing the requirements for necessary inter-governmental memoranda of agreement; documenting when and how vendor negotiation will be handled; specifying and quantifying necessary project and technical resources for the complete project lifecycle.



•Project Management

- GTRI can assist its clients by providing project management services. Its project managers have technical educational backgrounds, training in project management methodologies, and experience in the successful delivery of complex communications solutions.

Recent Efforts

Law Enforcement Terrorism Prevention Program (LETPP) Statewide Gateway Interoperability Project

- Feasibility analysis – technical and financial
- Marketing – collateral development and presentations
- RFQC, RFP – development of documents and vendor evaluations
- Total cost of ownership model development
- Contract negotiation – tool development and assistance
- Project management – plan development and execution
- Project organizational design
- Technical solution design
- Operational consulting
- Agency interoperability workshops – methodology development and facilitation

Similar tasks were completed in the **Atlanta Urban Area Security Initiative** radio project.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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