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## COMMUNICATIONS ANALYSIS ASSOCIATES

# Homeland Security and Public Safety Case Studies



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## Large Massachusetts County Mutual Aid Dispatch Center

CAA was selected to design the communications solution for a new centralized dispatch center to include E911, interoperable radio communications, dispatch center equipment and software, and Local and Wide Area Networks. Fully implemented Simulcast system in May, 2007.

## Interoperability Study and Implementation for Control Points

CAA was retained to develop an interoperable communications plan for the a number Radio Control points. This study focused on the latest VoIP radio interoperability solutions from Motorola, M/A Com and Cisco. Because all of the points utilized non-compatible CAD systems, CAA developed an inexpensive interoperable data base for use until the money was available to standardize on a CAD system. This system was fully implemented in April, 2007.

## Massachusetts Law Enforcement Council

CAA was retained to study the communications requirements of the 22 member communities and develop the design for complete radio interoperability solutions.

## Regional Homeland Security Consortium

CAA was retained to study the emergency communications and data communications of six member communities. In addition to the Police and Fire Departments, the study included the School Systems and DPW's. The objective was to enhance each community's communications systems individually and develop the interoperability options and a budgetary cost analysis that the consortium could evaluate.

## Radio Travel Channel Design for Statewide Fire Mobilization

A number of Massachusetts Departments entered into formal agreement to utilize a repeated VHF radio system as a "travel channel" for fire and emergency services mobilization. CAA was retained to assess the existing radio communications systems and develop a communications solution to permit task forces that are activated under the statewide fire mobilization plan to have a communication link while transiting across the state and for coordination in the requesting area.

