2010 ITS Deployment Tracking National Survey

Survey Summary Report

Public Safety – Fire Rescue

Table of Contents

About This Report

For more than a decade, the Intelligent Transportation Systems Joint Program Office (ITS JPO) of the Research and Innovative Technology Administration (RITA) has tracked the deployment of ITS technology through a series of national surveys of metropolitan transportation agencies. This data collection effort targets agencies involved with freeway, arterial, and transit management, public safety (law enforcement and fire/rescue/emergency medical), and toll collection, as well as transportation management systems. The most recent survey, conducted in 2010, involved distribution of 1600 surveys covering 108 metropolitan areas with a response rate of 85%.

This report covers the Public Safety – Fire Rescue survey, and represents the results from a total of 226 responding agencies. This is one of a series of survey summaries for each of the survey types that provide an initial look at the data from the 2010 national survey. These summaries are limited to reporting the number of agencies responding to specific questions in the survey. Additional reports will be produced that cover counts and coverage of deployment of individual technologies, including deployment trends, covering national totals as well as individual cities and agencies. In addition, the 2010 survey results will be posted on line at: http://www.itsdeployment.its.dot.gov/ where results from earlier surveys are also available.

Fleet Characteristics

Number of Fire Rescue agencies that responded: **226**

Number of agencies with emergency response vehicles equipped with on-board navigation capability (i.e., digital map): **137**

Number of agencies with emergency response vehicles under a computer-aided dispatch system (CAD): **195**

Number of agencies with emergency response vehicles with traffic signal system communications (i.e., signal preemption): **150**

Number of agencies with emergency response vehicles with Automatic Vehicle Location (AVL): **96**

Traffic Incident Management

Number of agencies that participate in a formal multi-agency regional or statewide program to coordinate management of traffic incidents:

Regional - intrastate	71
Statewide	21
Regional - multi-state	7

Number of agencies that share electronically real-time and/or after-the-fact reporting information on traffic incidents:

	Number of Agencies	
	Real-Time Data	**After-The-Fact Data**
Fire/rescue agencies	51	80
Law enforcement agencies (local)	48	60
Law enforcement agencies (state)	12	55
Transportation agencies (local)	15	16
Transportation agencies (state)	6	45

Number of agencies that interface with traffic management:

Voice communication	90
Face-to-face (co-located)	67
Data communication (compatible CAD, use of eXtensible Markup Language (XML) standards for web)	32
Multimedia, including video sharing	21

Number of agencies with ambulances that have telemedicine capability: **145**

Voice to hospital	150
Data to hospital	120
Video to hospital	2

Number of agencies that have access to automatic collision notification (ACN) data: **14**

Commercial systems (e.g. Onstar)	13
Advanced ACN (crash severity data)	1

Response and Recovery

Number of agencies that monitor early warning alerting and advisory systems to identify emergencies: **140**

Number of agencies that use integrated ITS and communications technology to coordinate evacuation management with different agencies, including traffic management and transit: **76**

Number of agencies that have a dedicated emergency traveler information system: **10**

Number of agencies where emergency responders use response routing systems to assist in identifying the quickest, safest route to incident locations: **76**

Number of agencies where emergency responders use Automatic Vehicle Location (AVL) and Computer Aided Dispatch (CAD) to assist in locating and assigning appropriate responders to incidents: **87**

Number of agencies that have the capability to accept 911 calls or other emergency information via something other than the circuit switched network (e.g., text messages, images or streaming video): **72**

Number of agencies that DO NOT have the capability to accept 911 calls or other emergency information via something other than the circuit switched network but are planning to add it: **40**

Number of agencies where the 911 Call center/Public Safety answering point (PSAP) currently have broadband network connections to other local public safety dispatch centers: **141**

Dispatch

Number of agencies that track vehicle location with AVL to aid CAD: **81**

Number of agencies with interoperable CAD:

Fire/rescue	159
Law Enforcement	109
Traffic management	10

Number of agencies that can share data with other CAD systems: **104**

Number of agencies that get weather information to help in planning dispatch: **155**

Hazardous Materials Management

Number of agencies that employ vehicle-mounted hardware to track HAZMAT shipment to detect when a shipment deviates from its intended route: **2**

Number of agencies that employ roadside detectors to monitor for the presence of hazardous shipments in sensitive areas: **3**