



TRANSPORTATION SAFETY ADVANCEMENT GROUP
Promoting Technology for Public Safety

The Transportation Safety Advancement Group (TSAG) serves an important function on behalf of the U.S. Department of Transportation (U.S. DOT), Office of the Secretary of Transportation, and the Intelligent Transportation Systems (ITS) Joint Program Office (JPO). Through its members and communities of interest, TSAG identifies and promotes surface-transportation-based technologies and applications and supports a national dialogue to improve the safety of emergency responders and the public through technology. TSAG looks toward a national transportation services vision that advances public safety through connectivity and enhanced awareness.

Vision

Public and transportation safety is fully integrated and enabled through the use of technology.

Mission

TSAG identifies and advances technologies to improve public safety response and efficacy in transportation systems and promotes transportation safety and efficiency in concert with the U.S. DOT ITS JPO.

Strategic Direction

Through its special projects, work plan, and outreach activities, TSAG promotes technologies and best practices that minimize transportation incident impacts and support safe and efficient emergency response and management through interdisciplinary and interagency communications and coordination.

Operating Principles

TSAG is dedicated to advancing public safety across transportation modes, transportation services and functions, and transportation and public safety jurisdictions. TSAG has defined the following Operating Principles.

- **Improved Public Safety Through Technology:** The advancement of proven and emerging technologies for traveler safety and for the safety of emergency responders remains a TSAG priority as these technologies and broader ITS are deployed.
- **Improved Public Safety Through Strategic Alliances:** Strategic alliances, partnerships, and institutional frameworks that serve to advance transportation safety and mobility through technology are encouraged and promoted through TSAG support of relevant public policy, technology research, and competitive and open technology.
- **Improved Public Safety Through Knowledge Transfer:** TSAG advances traveler and emergency responder safety by sharing knowledge, promoting awareness, and exchanging experiences—all employed to create a national awareness of, and connection to, transportation and public safety goals and achievements

Current Products

[FirstNet, Next Generation 9-1-1 \(NG 911\), and Connected Vehicles:](#) TSAG examined the history of FirstNet, NG 911, and connected vehicles to provide an overall picture of where these technologies are today and what the near future holds.

[Advanced Automated Collision Notification \(AACN\):](#) AACN provides life-saving information by reducing the time required for detection, notification, and response to an incident. It can also enhance patient care through provision of real-time patient information. This project looked at existing and future AACN applications and the opportunity to improve patient outcome.

[Infrastructure-to-Responder \(I2R\) Future Opportunities:](#) I2R technologies allow critical, real-time information about infrastructure, weather, resources, and operational conditions to be communicated to responders. Future opportunities for vehicle and responder-worn communication will improve situational awareness and responder safety.

[Connected Responder:](#) This project developed a comprehensive Connected Responder business case to educate, engage, and inspire crucial communities of interest to leverage the full potential of connected vehicle technologies.

Photo Source: USDOT

Visit the TSAG website at <http://www.tsag-its.org> for information, technical products, and presentations.

Intelligent Transportation Systems Joint Program Office



U.S. Department of Transportation

TSAG Communities of Interest and Liaison Organizations

Interest Community	Liaison Organizations
Emergency Communications	<p>APCO – Association of Public Safety Communications Officials International NASNA – National Association of State 911 Administrators NENA – National Emergency Number Association NPSTC – National Public Safety Telecommunications Council</p>
Law Enforcement	<p>IACP – International Association of Chiefs of Police MCCA – Major Cities Chiefs Association MCSA – Major County Sheriffs of America NSA – National Sheriffs’ Association</p>
Emergency Medical Services (EMS)	<p>ACEP – American College of Emergency Physicians ACS/COT – American College of Surgeons/Committee on Trauma NAEMSP – National Association of EMS Physicians NAEMT – National Association of Emergency Medical Technicians NASEMSO – National Association of State EMS Officials NEMSMA – National EMS Management Association</p>
Fire and Rescue	<p>IAFC – International Association of Fire Chiefs IAFF – International Association of Fire Fighters NVFC – National Volunteer Fire Council</p>
Transportation Operations	<p>AAA – American Automobile Association AASHTO – American Association of State Highway Transportation Officials APWA – American Public Works Association ATSIP – Association of Transportation Safety Information Professionals GHSA – Governors Highway Safety Association ITE – Institute of Transportation Engineers NACE – National Association of County Engineers NACTO – National Association of City Transportation Officials TRAA – Towing and Recovery Association of America</p>
Emergency Management	<p>IAEM – International Association of Emergency Managers NEMA – National Emergency Management Association</p>
Technology and Telematics	<p>ATA – American Trucking Associations IMSA – International Municipal Signal Association ITS America – Intelligent Transportation Society of America NASCIO – National Association of State Chief Information Officials NASTD – National Association of State Technology Directors PTI – Public Technology Institute SAE International</p>
Academic and Research	<p>AAAM – Association for Advancement of Automotive Medicine NPF – National Police Foundation TRB – Transportation Research Board UTC – University Transportation Centers Public and Private Universities</p>
Governing Agencies	<p>AMPO – Association of Metropolitan Planning Organizations ICMA – International City/County Management Association NACo – National Associations of Counties NARC – National Association of Regional Councils NCSL – National Conference State Legislatures NGA – National Governors Association NLC – National League of Cities US Conference of Mayors</p>

