

TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS (TSMO)

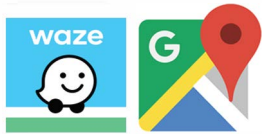
THE EASTERN
TRANSPORTATION
COALITION
CONNECTING FOR SOLUTIONS



Transportation Systems Management and Operations (TSMO) is an integrated set of strategies focused on operations improvements to maximize the safety, mobility and reliability of the transportation system. The Eastern Coalition's TSMO program focuses on the following strategies for our membership.

TRAVELER INFORMATION

The Travel Information Services Working Group supports the development of corridor-wide, multimodal traveler information systems providing users with accurate and timely information. This committee meets twice per year to focus on emerging technologies in traveler information and to provide an arena to exchange ideas within the member states.

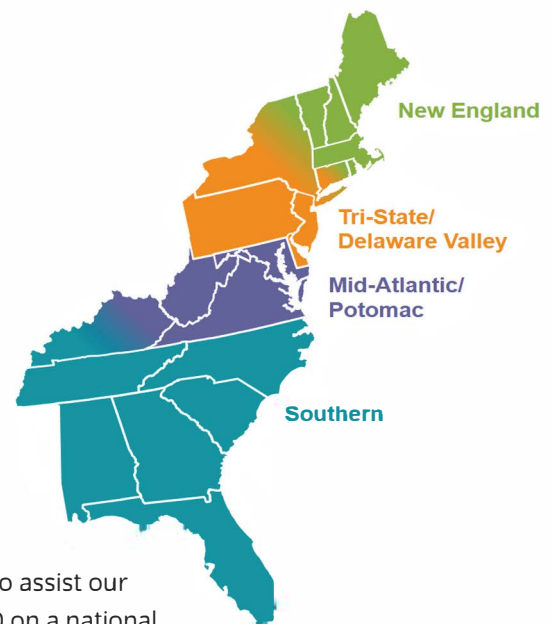


The WAZE/Google Technical Working Group also meets twice a year to work directly with the WAZE/Google support team to bring product features and enhancements to member states.

HOGS

HIGHWAY OPERATIONS GROUPS

Highway Operations Group (HOG) forums are conducted in four regional areas. Member agencies meet in person to discuss challenges and identify operational strategies that extend within a state, across jurisdictional boundaries, and often across state lines. Collaboration also occurs with TRANSCOM and MATOC. HOGs are unique in that they bring together policy, planning, operations, maintenance, and first responder personnel for discussions on how to improve TSMO strategies and programs such as Traffic Incident Management.



PROJECTS

The Coalition's TSMO program takes on a number of projects throughout the year to assist our states in the advancement of their own TSMO programs, while also advancing TSMO on a national level. The Coalition's staff develops an annual work plan each year, based on feedback from Coalition states, but adapts as needed to remain responsive to this rapidly evolving industry. Examples of the Coalition's past and present focus areas are:

- Variable speed limits
- Wrong way driver detection
- Curve speed warning
- Secondary crash risks
- Rural intersection collision avoidance
- Signal phase and timing
- Connected vehicle data
- Support of the work zone data exchange
- Queue warning
- Emergency response/evacuations

TRAINING



THE CONSORTIUM FOR INNOVATIVE TRANSPORTATION EDUCATION (CITE)

The Consortium for Innovative Transportation Education (CITE) is an organization of university and industry partners with a primary mission to increase the overall number of properly educated TSMO professionals. As part of the long history of collaboration, the Coalition has created a pooled fund available to members to take online CITE classes.

OPERATIONS ACADEMY

The Operations Academy is a two-week, total immersion transportation management and operations program. It was developed in response to the increasing demand for personnel with skills in these areas. The program uses a mix of classroom instruction, workshops, and analysis of existing systems to ensure the retention of the principles presented. It provides opportunities to practice and internalize the principles learned which is not possible in traditional classes and short courses.



Each year, the Eastern Transportation Coalition provides funding for scholarships to candidates from each of our member agencies.

TSMO TRANSFORMATIVE TECHNOLOGIES (T3)

The Coalition's TSMO Transformative Technologies (T3) Working Group is focused on new and emerging technologies that have potential to improve the safety and reliability of our transportation system. This working group meets at least once annually to discuss new or anticipated technologies, spotlight innovative use cases for new technologies, and identify opportunities for multi-state initiatives that enhance connectivity and information sharing.

In addition, the TETC T3 program supports projects to help transportation infrastructure owner operators identify concrete steps they can take to prepare for these new technologies on their roads. Examples include a regional assessment of readiness for automated vehicles, and a data collection effort to study the types and conditions of lane striping that best serve the many advanced driver-assistance systems that are already on the road today.



TRANSPORTATION DATA MARKETPLACE PROGRAM

VEHICLE PROBE DATA MARKETPLACE PROGRAM



For many years the Coalition has negotiated cost savings on vehicle probe data and products on behalf of its members through the Transportation Data Marketplace (formerly the Vehicle Probe Project (VPP) Marketplace). Coalition staff provide valuable contract management and data validation to ensure the members are receiving quality data on which to base key operational and capital investments.

Since 2016, the Marketplace has provided over \$80 million dollars worth of transportation data to its members. The Marketplace has over 259 affiliate agencies (MPO's, Municipalities, Commissions) that participate in the program. Universities and consultant teams working on behalf of TETC member states also participate in the program.