



FHWA NATIONAL DIALOGUE ON HIGHWAY AUTOMATION

Building a community to support the safe and efficient integration of automated vehicles onto the Nation's roads

OVERVIEW

Automated vehicles have the potential to significantly transform the nation's roadways. They offer potential safety benefits, but also introduce uncertainty for agencies responsible for the planning, design, construction, operation, and maintenance of the roadway infrastructure.

The Federal Highway Administration (FHWA) is initiating a national conversation with partners and stakeholders, as well as the public at-large, to receive broad input on key areas of interest and prepare FHWA programs and policies to incorporate automation considerations.

The National Dialogue on Highway Automation is a series of meetings held across the country to facilitate information sharing, identify key issues, and support the transportation community to safely and efficiently integrate automated vehicles into the road network. Input received during the National Dialogue will help inform FHWA research, policies, and programs. This National Dialogue will engage an expanded set of stakeholders—beyond FHWA's typical stakeholders—to ensure that this issue receives broad input. Stakeholders will include, but are not limited to, original equipment manufacturers, technology suppliers, transportation network companies, associations, State and local agencies, and public sector partners.

FORMAT

The National Dialogue meetings are designed to support significant interaction among participants and will be held in different locations across the country, running from June 2018 through the end of the calendar year. Workshops will include discussions with government and industry leaders, breakout sessions, listening sessions and opportunities to collaborate with meeting participants. Each workshop will run from 1 to 1.5 days and will have both general sessions and sessions designated around a specific topic or focus area.

OBJECTIVES

Listen: Gather detailed input from a diverse group of stakeholders regarding opportunities and challenges on highway automation, such as infrastructure readiness, traffic operations, policy, planning and other areas.

Engage: Facilitate information sharing among industry, public agencies, and others to understand the current state of automated vehicle technologies and inform FHWA actions.

Inform: Raise awareness of FHWA and USDOT initiatives in automation, serving as a resource for the transportation community.

Evolove: Update institutional structures for working with existing and new stakeholders to develop new partnerships and strengthen coordination channels.

FOCUS AREAS

The FHWA National Dialogue on Highway Automation workshops will address the following focus areas as they represent key categories of interest to the highway community.

Planning and Policy: Considers issues relevant for the planning and policy community, such as how automation impacts travel demand, land use, infrastructure investment, right of way use, policy barriers, and other topics.

Digital Infrastructure and Data: Explores the data opportunities and challenges regarding highway automation. Will identify new partnerships and collaboration between public agencies and industry to enable data exchange.

Freight: Explores truck platooning applications and truck automation, as well as implications for traffic operations and infrastructure.

Operations: Addresses the range of operations questions with respect to automation, such as traffic incident management and system efficiency. Will initiate a discussion on further research needed to understand these types of challenges.

Infrastructure Design and Safety: Discusses infrastructure design and standardization needs to facilitate automation. Will highlight areas where automation technology developers and public agencies need discussion and collaboration to address where the roadway infrastructure, design, condition, and environment could lead to potential safety challenges.

SCHEDULE

| DATE | EVENT | LOCATION |
|----------------------|---|--|
| May 8, 2018 | National Dialogue Launch Webinar | Webinar |
| June 7, 2018 | National Dialogue Launch Workshop | ITS America Annual Meeting Cobo Center, Detroit, MI |
| June 26-27, 2018 | National Workshop 1 Planning and Policy | Science History Institute, Philadelphia, PA |
| August 1-2, 2018 | National Workshop 2 Digital Infrastructure and Data | DoubleTree Seattle Airport, Seattle, WA |
| September 5-6, 2018 | National Workshop 3 Freight | Hyatt Regency Chicago, Chicago, IL |
| October 24-25, 2018 | National Workshop 4 Operations | Delta Hotels Phoenix Mesa, Mesa, AZ |
| November 14-15, 2018 | National Workshop 5 Infrastructure Design and Safety | DoubleTree Campbell Centre, Dallas, TX |

FOR MORE INFORMATION and to REGISTER

FHWA National Dialogue On Highway Automation Website:

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U.S. Department of Transportation
Federal Highway Administration



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