



# Overview: Federal Automated Vehicles Policy (US DOT/NHTSA)

SIS 46, Certification  
of Automated Road  
Vehicles: Challenges  
Ahead

October 13, 2016



## January 2016 USDOT/NHTSA Announcement:

- Accelerate Vehicle Safety Innovations:
  - Focus on:
    - Vehicle Guidance
    - Model State Policy
    - Current regulatory tools
    - Identify potential new tools and authorities



## Public Input:

- Public Meetings
  - April 8 (USDOT, Washington, DC)
  - April 27 (Stanford, CA)
  - Participation
    - In-person attendance
    - Technical remarks by attendees
    - Written comments
- Many additional stakeholder meetings
- Agency sought input on several topic areas



## Result:

- *Federal Automated Vehicles (FAV) Policy*

- Released September 2016

[www.transportation.gov/av](http://www.transportation.gov/av)



- 60-day public comment period

- Request for Comments (RFC) published on Sept 23, 2016

- Docket No. NHTSA-2016-0090 (Document No. 2016-22993)

- Comment period closes November 22, 2016



## **FAV Policy - Main Sections**

- Vehicle Performance Guidance for Automated Vehicles
- Model State Policy
- NHTSA's Current Regulatory Tools
- New Tools and Authorities

## **Levels of Automation**

- Adopts SAE International definitions (SAE J3016)



## FAV Policy: Vehicle Guidance - 15 Safety Areas

- Data Recording and Sharing
  - Privacy
  - System Safety
  - Vehicle Cybersecurity
  - Human-Machine Interface
  - Crashworthiness
  - Consumer Education and Training
  - Registration and certification
  - Post-Crash Behavior
  - Federal, State, and Local Laws
  - Ethical Considerations
  - Operational Design Domain (ODD)
  - Object and Event Detection and Response (OEDR)
  - Fall Back Minimum Risk Condition
  - Validation Methods
- Crosscutting Areas
- System Specific Areas



## **FAV Policy – Safety Assessment Letter**

- Outlines how manufacturers/other entities meet the 15 safety areas
- Letter is voluntary



## FAV – Next Steps

- FAV Policy Document is a first step, significant additional public input and work tasks ahead!
- Many next steps envisioned, including:
  - Request for Comments (published)
  - Public workshops/other stakeholder engagement
  - Work plans for certain areas in vehicle guidance and state model policy sections
  - Education
  - Notice and Comment on potential changes to regulatory tools and authorities





## **For More Information**

USDOT Public Website for FAV Guidance:

[www.transportation.gov/av](http://www.transportation.gov/av)