



Federal Motor Carrier Safety Administration

# FMCSA

**Automated CMV Policy  
Development**

**Larry Minor,  
Associate Administrator  
for Policy**



# DOT'S AV 3.0

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- On October 4, 2018, the Department published “Preparing for the Future of Transportation: Automated Vehicles 3.0” (AV 3.0);
- Builds upon “Automated Driving Systems 2.0: A Vision for Safety” (AV 2.0);
- Expands the scope to all on-road transportation systems;
- Continues the commitment to making the regulatory process more nimble to help match the pace of private sector innovation.



U.S. Department of Transportation

*Automated Vehicles 3.0*

## **PREPARING FOR THE FUTURE OF TRANSPORTATION**



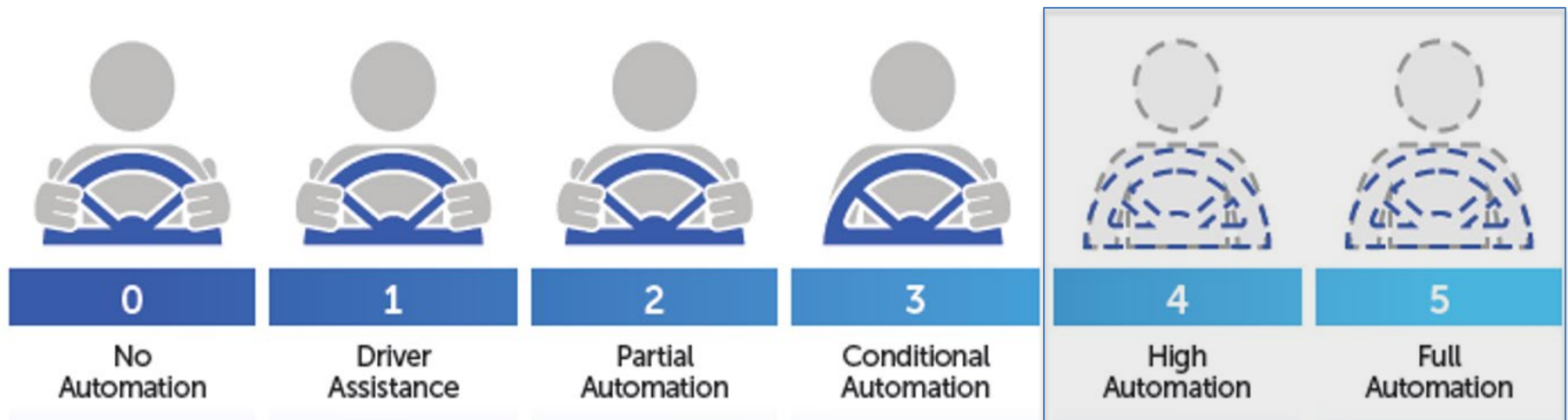
# DOT'S AV 3.0 (CONT.)

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- AV 3.0 is structured around three key areas:
  1. Advancing multi-modal safety;
  2. Reducing policy uncertainty; and
  3. Outlining a process for working with the Department of Transportation.

# LEVELS OF AUTOMATION OF GREATEST INTEREST – NO DRIVER AT THE CONTROLS

- **SAE Level 4, High Driving Automation:** The vehicle is capable of performing all driving functions under certain conditions. The driver may have the option to control the vehicle.
- **SAE Level 5, Full Driving Automation:** The vehicle is capable of performing all driving functions under all conditions.



# FMCSA'S ACTIVITIES

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- Information gathering;
- Considering policy options;
- Considering any requests for waivers, exemptions, or pilot programs to deploy advanced technology;
- Encouraging data sharing/research;
- Ensuring the confidentiality of shared information.

# INFORMATION GATHERING

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- USDOT's Volpe Center Review of the Federal Motor Carrier Safety Regulations (FMCSRs) (2017).
- April 24, 2017: Public Listening Session in Atlanta, GA.
- June 12-13, 2017: Motor Carrier Safety Advisory Committee.
- March 26, 2018: Request for Comments (RFC).
- June 19, 2018: Public Listening Session at the University of Michigan.
- August 24, 2018: Public Listening Session in Dallas, TX.

# FMCSA'S 2018 REQUEST FOR COMMENTS

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- Volpe report – whether any of the FMCSRs may hinder the testing and safe integration of ADS-equipped CMVs;
- Scenarios where ADS is likely to be tested and integrated into CMV operations;
- Operational design domains (ODD) in which these systems are being operated or would be tested and eventually deployed;
- Measures that are needed to ensure the protection of any proprietary or confidential business information the industry shares with the Agency.



# REQUEST FOR COMMENTS – REGULATORY AREAS MENTIONED

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- Roadside and Annual Inspections.
- Distracted Driving (Texting and Handheld Wireless Phones Prohibitions).
- Medical Qualifications (Interstate Drivers).
- Commercial Driver's License (CDL) Endorsements (Interstate and Intrastate Drivers).

# FMCSA RULEMAKING (ANPRM)

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- “Safe Integration of Automated Driving Systems— Equipped Commercial Motor Vehicles” (RIN 2126-AC17)
- “FMCSA requests public comment about Federal Motor Carrier Safety Regulations (FMCSRs) that may need to be updated, modified, or eliminated to facilitate the safe introduction of automated driving systems (ADS) equipped commercial motor vehicles (CMVs) onto our Nation’s roadways.”
- Advance Notice of Proposed Rulemaking (ANPRM)  
Schedule: Early 2019.

# ANPRM – LOOKING AT THE FMCSRs

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CODE OF FEDERAL  
REGULATIONS

## **Title 49** Transportation

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Parts 300 to 399

Revised as of October 1, 2017

Containing a codification of documents  
of general applicability and future effect

As of October 1, 2017

Published by the Office of the Federal Register  
National Archives and Records Administration  
as a Special Edition of the Federal Register

- Licensing and Driver Qualifications (Parts 383 & 391)
- Safe Driving (Part 392)
- Parts and Accessories (Part 393)
- Hours of Service (Part 395)
- Inspection, Repair and Maintenance (Part 396)
- Hazardous Materials (Part 397)

# HTTP://WWW.DOT.GOV/REGULATIONS/REPORT-ON-SIGNIFICANT-RULEMAKINGS

The screenshot shows the top navigation bar of the United States Department of Transportation website. It includes the DOT logo, the text 'United States Department of Transportation', a search bar, and a menu with 'About DOT', 'Our Activities', and 'Areas of Focus'. Below the navigation is a grey header with the text 'RULEMAKING REPORT'. The main content area is divided into three columns. The left column is a sidebar menu with items like 'Regulations', 'Rulemaking Process', 'Reports on Rulemakings and Enforcement', 'Report on DOT Significant Rulemakings' (highlighted), 'Reports on Effects of DOT Rulemakings', 'Regulatory Enforcement and Compliance Data', 'Special Programs and Policies', 'Plain Language', and 'Pilot Project on e-Rulemaking'. The middle column contains the page title 'Report on DOT Significant Rulemakings', a breadcrumb 'Home > Regulations', and an 'Overview' section with a paragraph of text. The right column contains a 'Contact Us' section with contact information for Adonna Valpando, 'Business Hours', 'Tags' (Rulemaking), and a 'Share' section with social media icons and a 'Submit Feedback' button.

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## RULEMAKING REPORT

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Rulemaking Process

Reports on Rulemakings and Enforcement

**Report on DOT Significant Rulemakings**

Reports on Effects of DOT Rulemakings

Regulatory Enforcement and Compliance Data

Special Programs and Policies

Plain Language

Pilot Project on e-Rulemaking

Home > Regulations

## Report on DOT Significant Rulemakings

### Overview

The Significant Rulemakings Report provides a summary and the status for all significant rulemakings that DOT currently has pending or has issued recently. We update the Report at the beginning of each month. The information in the Report is not intended to commit DOT to specific conclusions or actions. For example, after further analysis, DOT may decide the effects of the rule would be different or it may decide to terminate the rulemaking.

### Access to the Report

*Contact Us*

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# QUESTIONS

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