DOT’s AV 3.0

• 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.
Automated Vehicles 3.0

PREPARING FOR THE FUTURE OF TRANSPORTATION

https://www.transportation.gov/av/3
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.
“In general, subject to the development and deployment of safe ADS technologies, the Department’s policy is that going forward FMCSA regulations will no longer assume that the CMV driver is always a human or that a human is necessarily present onboard a commercial vehicle during its operation.”
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.
Safe Integration of Automated Driving Systems—Equipped Commercial Motor Vehicles \( (RIN \ 2126-AC17) \)

Published: May 28, 2019.

Summary: 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.
ANPRM – Looking at the FMCSRs

- 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)
Automated Driving Systems (ADS) for Commercial Motor Vehicles (CMVs); Request for Comments

Agency: Federal Motor Carrier Safety Administration (FMCSA)

Summary: Automated Driving Systems (ADS) for Commercial Motor Vehicles (CMVs); Request for Comments Concerning Federal Motor Carrier Safety Regulations (FMCSRs) Which May Be a Barrier to the Safe Testing and Deployment of ADS-Equipped CMVs on Public Roads
https://www.reginfo.gov
http://www.dot.gov/regulations/report-on-significant-rulemakings
Questions

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