Primer on Federal Policies for Automated Vehicles

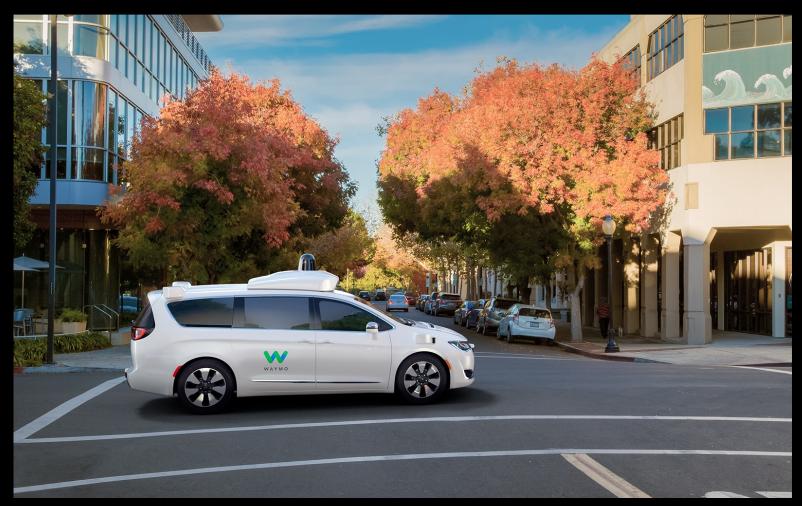
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[Next week: Director of Government Relations and Mobility Innovation at Securing America's Future Energy (SAFE)]



Preparing for AVs





This is not a race.

Waymo Is Definitely Winning The Self-Driving Car Race The autonomous car company says its vehicles have been getting around without backup drivers behind the wheel.



DMV Data Says Waymo and GM Are Leading the Self-Driving

Self-Driving Cars Are Coming. Oregon Isn't Ready.

While other states power forward, Oregon lawmakers struggle with how to handle the coming wave of self-driving vehicles. FutureStructure

Pizza Hut and Toyota want to deliver your pizz

driverless vehicles

Grace Schneider, Louisville Courier Journal

Ohio Tries to Pull Ahead in Transportation Tech



Understanding FMVSS

Federal Motor Vehicle Safety Standards
 (FMVSS) provide a uniform set of regulations
 on design, construction, and performance

Federal Update - Legislation

Two Bills

- SELF DRIVE Act (H.R. 3388) passed the House unanimously
- AV START (S. 1885) currently stalled in Senate, but may move in next two months

One Philosophy

 Accelerate the safe development of AVs with a uniform federal regulatory framework



Federal Update - Legislation

Why now?

 Federal government has traditionally overseen motor vehicle safety by regulating design, construction, and performance.

 This will NOT usurp state/regional/local authority, nor does it create new federal preemption powers; it reinforces the roles of each level of government.



Federal Update - USDOT

Automated Driving
Systems 2.0: A Vision for
Safety (September 2017)

- Provides <u>voluntary</u> guidance for manufacturers
- Provides technical assistance to states





Coming soon: "Automated Vehicles 3.0"

- Provides guidance for the actual integration of AV technology in all forms of on-road transportation
- Multi-agency document:
 - NHTSA: Regulation of motor vehicle design, construction, performance
 - FTA: Integration of AV tech in public transit
 - FMCSA: Adjusting regulatory framework for automated trucks
 - FHWA: Preparing highways for connected and automated vehicles
 - PHMSA: Evaluating regulatory challenges for using AVs to transport hazardous materials



The Secret Sauce for AV Testing

- Local AV manufacturers
- Skilled workforce
- Climate
- Local universities
- Well-maintained roads
- Policy frameworks



Questions?

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Download Eno's AV Reports:

Beyond Speculation and

Adopting and Adapting

at enotrans.org

