

Automated Vehicles: Technology Development and Deployment

Workshop on Governance of Automated Vehicles

June 28, 2017

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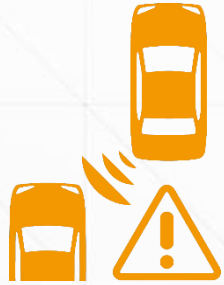
Director of Safety & Technology Policy

Alliance of Automobile Manufacturers, Inc.



AUTO ALLIANCE
DRIVING INNOVATION®

Advanced Driver Assist Systems (ADAS)



Blind Spot
Monitoring



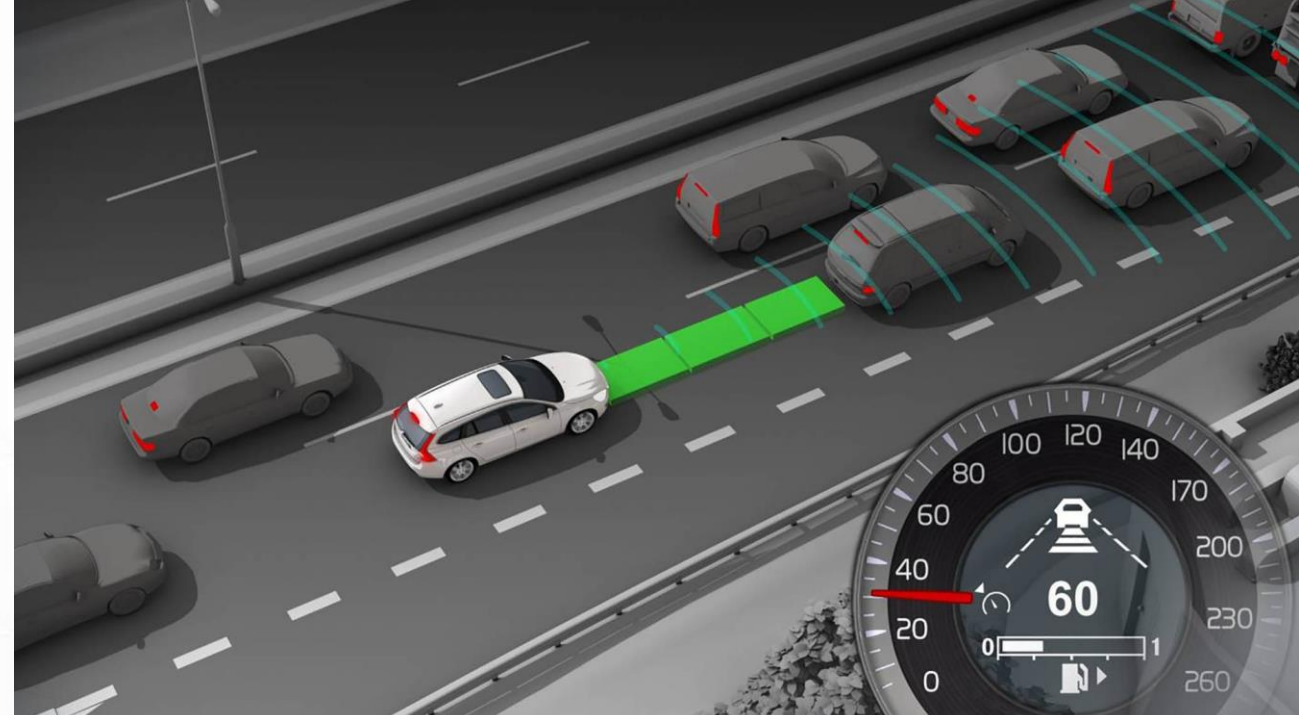
Lane Keeping
Assistance



Adaptive
Cruise Control



Parking Assist



FOUR TRENDS:

1. Increasing automation and connectivity
2. New entrants and partnerships
3. Ride sharing and advanced mobility services
4. Increasing vehicle safety



1. Increasing automation and connectivity



SAE Levels of Driving Automation

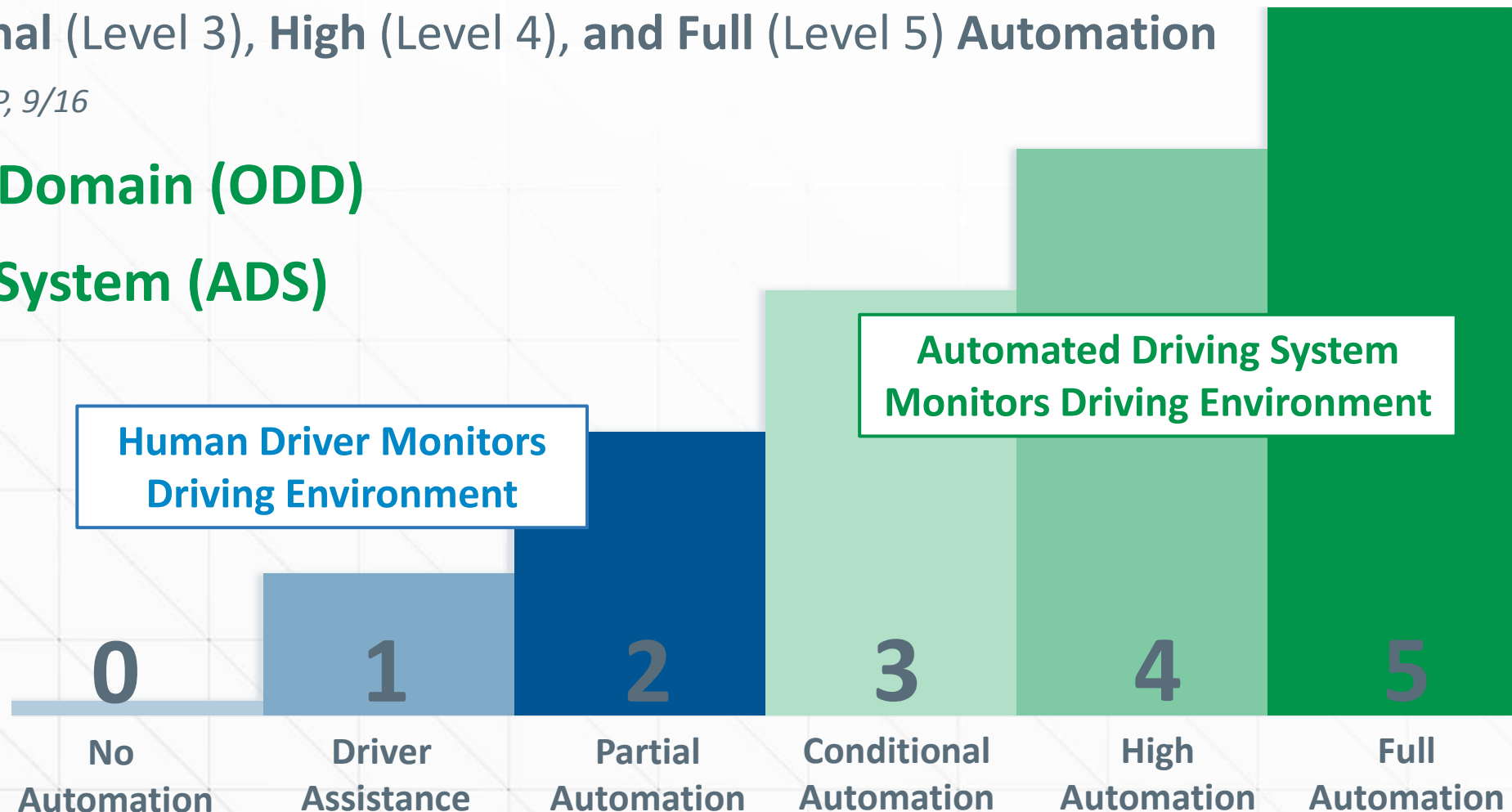
Highly Automated Vehicles (HAVs): These are systems that rely on the automation system (not on a human) to monitor the driving environment. Vehicles that contain systems referred to as **Conditional** (Level 3), **High** (Level 4), and **Full** (Level 5) Automation in SAE J3016. —NHTSA FAVP, 9/16

Operational Design Domain (ODD)

Automated Driving System (ADS)



Levels of Driving
Automation



2. New entrants and partnerships



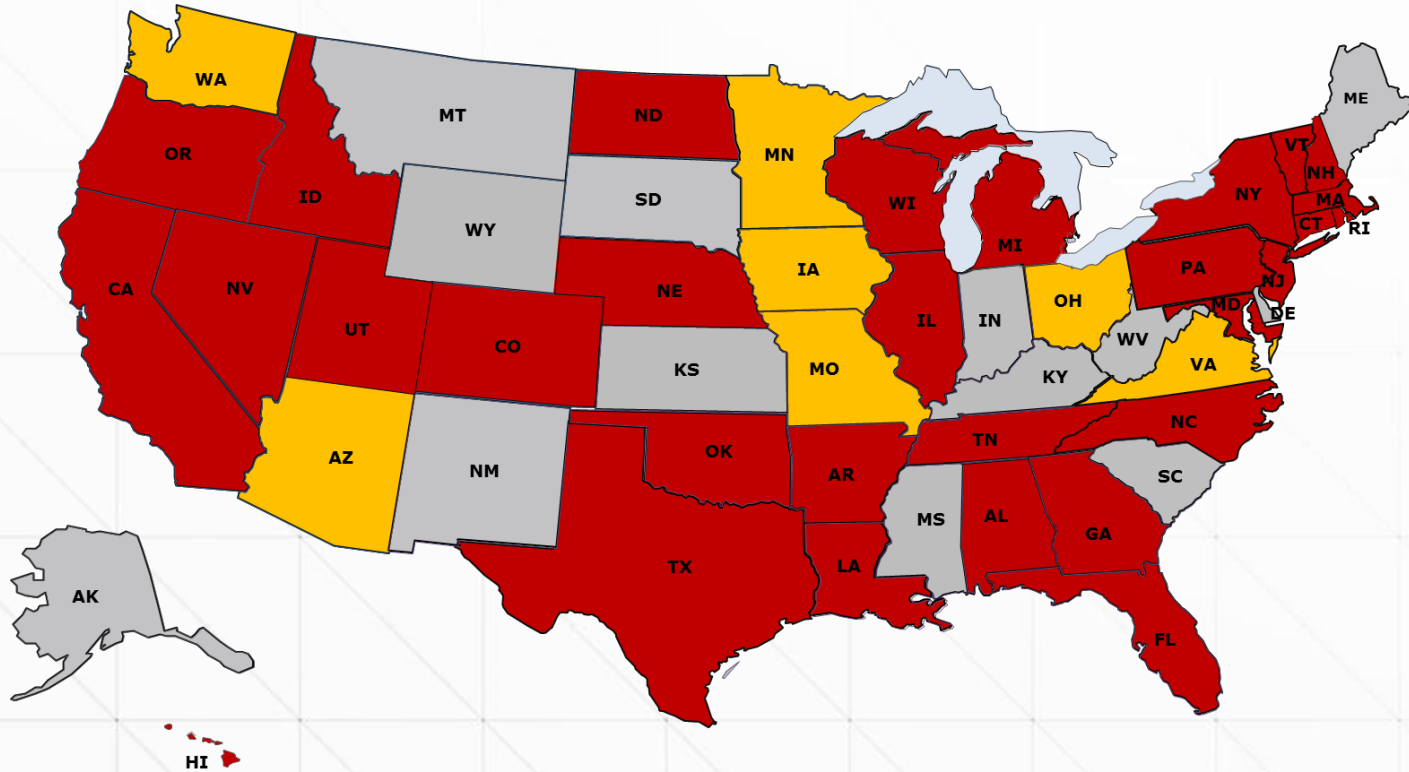
3. Ride sharing and advanced mobility services



4. Increasing vehicle safety



Policy Recommendation



Confirmed **Possible**

... In 2017 the Auto Alliance has tracked 70 bills
in 30 states regarding autonomous vehicles

Federal Automated Vehicles Policy

*Accelerating the Next Revolution
In Roadway Safety*

September 2016

U.S. Department of Transportation

NHTSA
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION



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