



UNECE/NHTSA Workshop on Governance of the Safety of Automated Vehicles

June 28, 2017

Overview

- American Association of Motor Vehicle Administrators (AAMVA) at a glance
- Highly Automated Vehicles and AAMVA member collaboration
- U.S. Model State Policy
- It's all about the Driver – but who is that?

AAMVA Mission and Vision

OUR MISSION

serve North American
motor vehicle & law enforcement agencies
to accomplish their missions

OUR VISION

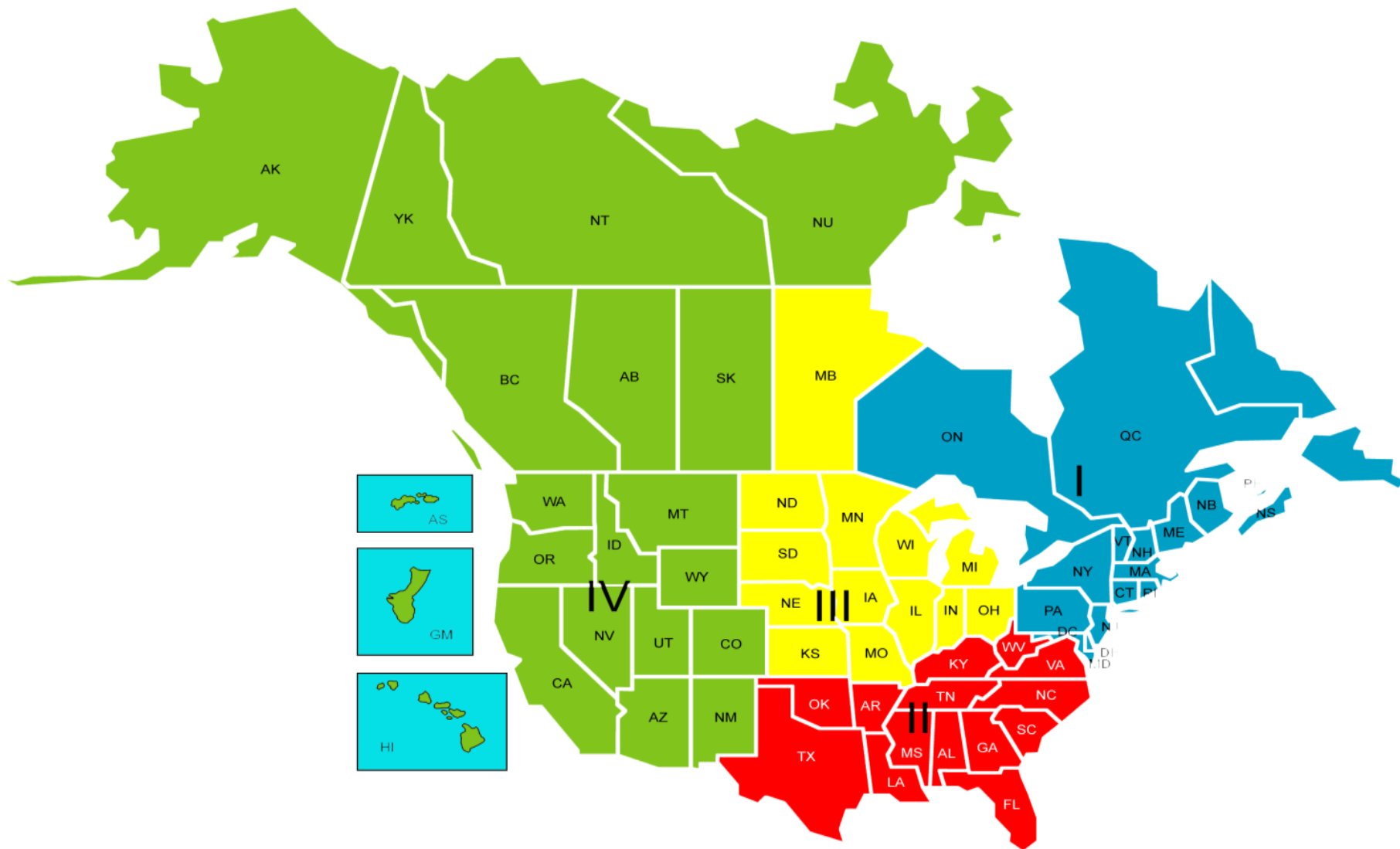
safe drivers
safe vehicles
secure identities
saving lives!

- Founded in 1933
- Uniformity and reciprocity across North America
 - Collaboration, exchange of best practices
 - Network through meetings, conferences and IT systems

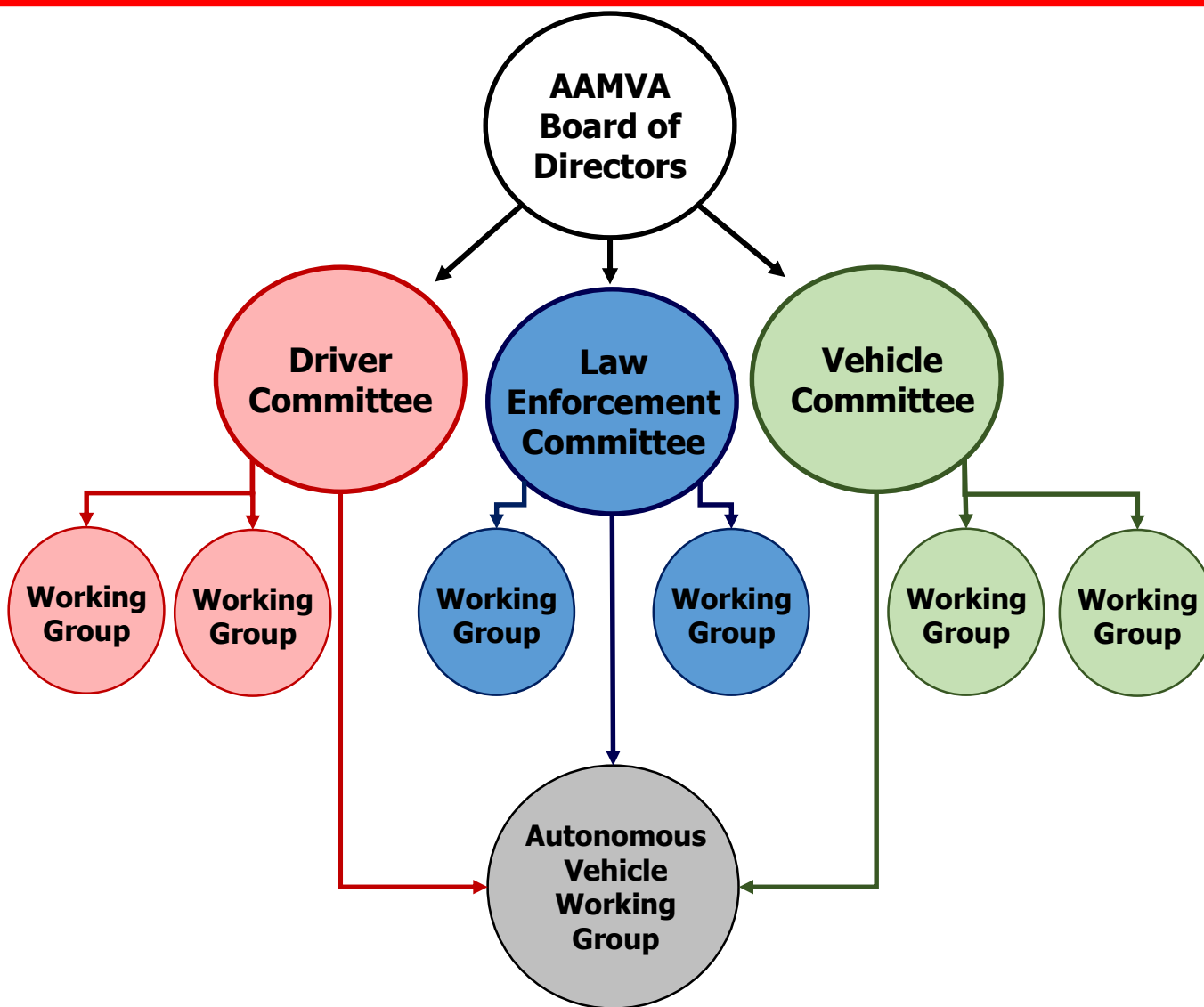


American Association of
Motor Vehicle Administrators

AAMVA Community



Governance & Standing Committee Structure





AAMVA - Automated Vehicle Initiatives

1. Autonomous Vehicle
Information Sharing Group and
Library

2. Autonomous Vehicle Working
Group.



American Association of
Motor Vehicle Administrators

AV Information Sharing Group

- Established in December 2013.
- Monthly calls to review state laws, studies, stakeholder view and other relevant material.
- Started with about 20 people participating and has grown to 60 to 80 people. Representing jurisdictions, federal government and industry partners.

AV Information Library on AAMVA's website:

<http://www.aamva.org/Autonomous-Vehicle-Information-Library/>



American Association of
Motor Vehicle Administrators

Autonomous Vehicle Working Group

- 16 jurisdictional members, NHTSA and AAMVA staff
- NHTSA funded project for first 2 years

Three sub-groups focusing on issues impacting:

- Drivers: Licensing & Testing
- Vehicles: Titling & Registration
- Law Enforcement: Concerns & Challenges





American Association of
Motor Vehicle Administrators

Autonomous Vehicle Working Group

1. Provided significant input for the NHTSA Model State Policy
- Published September 20, 2016

2. Concurrent with the Model State Policy development, the Working Group will complete *Guidelines for the Regulation of Highly Automated Vehicles*, a final piece of its work in support of the Model State Policy. Anticipated December 2017 or January 2018



American Association of
Motor Vehicle Administrators

Federal Automated Vehicles Policy

Federal Automated Vehicles Policy

*Accelerating the Next Revolution
In Roadway Safety*



September 2016

Published September 2016 and can be found at www.transportation.gov/AV

Section 1 – Vehicle Performance Guidance for Automated Vehicles

(outlines best practices for safe pre-deployment development and testing prior to commercial sale; sets USDOT expectations of industry).

The Guidance includes a **15-Point Safety Assessment** to set clear expectations for manufacturers developing and deploying automated vehicle technologies.



U.S. Department
of Transportation





American Association of
Motor Vehicle Administrators

Federal Automated Vehicles Policy

Federal Automated Vehicles Policy

*Accelerating the Next Revolution
In Roadway Safety*



September 2016



U.S. Department
of Transportation



Section 2 – Model State Policy

Recognizes states' sovereignty while encouraging a consistent national framework rather than a patchwork of inconsistent laws. References partnership with AAMVA.

- ✓ **Federal Responsibilities**
- ✓ **State Responsibilities**
- ✓ **The Model State Policy**

U.S. Federal Role

- Federal responsibilities include:
- Setting safety standards for new motor vehicles and motor vehicle equipment; Enforcing compliance with the safety standards;
- Investigating and managing the recall and remedy of non-compliances and safety-related motor vehicle defects on a nationwide basis;
- Communicating with and educating the public about motor vehicle safety issues; and
- When necessary, issuing guidance to achieve national safety goals.

U.S. – State Role

- State responsibilities include:
- Licensing (human) drivers and registering motor vehicles in their jurisdictions;
- Enacting and enforcing traffic laws and regulations;
- Conducting safety inspections, when States choose to do so; and
- Regulating motor vehicle insurance and liability.

Model framework - covers 10 areas:

1. Administrative – Cross-Divisional
2. Application by manufacturers or other entities to test HAVs on public roads
3. Jurisdictional permission to test
4. Testing by the manufacturer or other entities



Model State Framework - elements

5. Drivers of deployed vehicles
6. Registration and titling of deployed vehicles
7. Law enforcement considerations
8. Liability and insurance
9. NHTSA's Enforcement Authority
10. Next Steps – more input; additional updates



Driver – Transition Years

- Experienced Drivers – how and when will they learn to use the new technology and understand its limitations
- New Drivers – how will they be tested to handle Level 1 vehicles if appear in level 2 and newer
- MyCarDoesWhat.org



American Association of
Motor Vehicle Administrators

My Car Does What?

SAFETY FEATURES VIDEOS & GRAPHICS DEEPER LEARNING GAMES SHARE THE BUZZ BLOG ABOUT

MyCarDoesWhat.org
Know More. Drive Safer.

You are your car's best safety feature
[Learn more >](#)

BACK-UP CAMERA

ANTI-LOCK BRAKING SYSTEM

BLIND SPOT MONITOR

AUTOMATIC EMERGENCY BRAKING

LANE DEPARTURE WARNING

TIRE PRESSURE MONITORING SYSTEM

ADAPTIVE CRUISE CONTROL

A simple guide to your car's
safety features

WELCOME VIDEO

NATIONAL SAFETY COUNCIL THE UNIVERSITY OF IOWA

SHARE THIS SITE

© 2017 National Safety Council Media Room | Terms & Privacy



Driver – looking ahead

- At what point and for what vehicles will a license no longer be required?
- Need to consider the roles of driver vs operator vs occupant
- Rules of the Road/Traffic laws under review
 - Transportation Research Board (National Academies)
 - Uniform Law Commission

Conclusion

- Iterative consideration how best to enable deployment of innovative (potentially life-saving) technologies with current public safety demands
- Develop and sustain collaborative effort among government officials, stakeholders and industry



American Association of
Motor Vehicle Administrators

For More Information

Cathie Curtis, Director of Vehicle Programs

ccurtis@aamva.org

Anne Ferro, President and CEO

aferro@aamva.org