American Association of Motor Vehicle Administrators

Safe Testing and Deployment of Vehicles Equipped with Automated Driving Systems Guidelines, Edition 2

April 26, 2021

(VT-05) Automated and Electric Vehicles, What Law Enforcement and First Responders Need to Know

OUR VISION

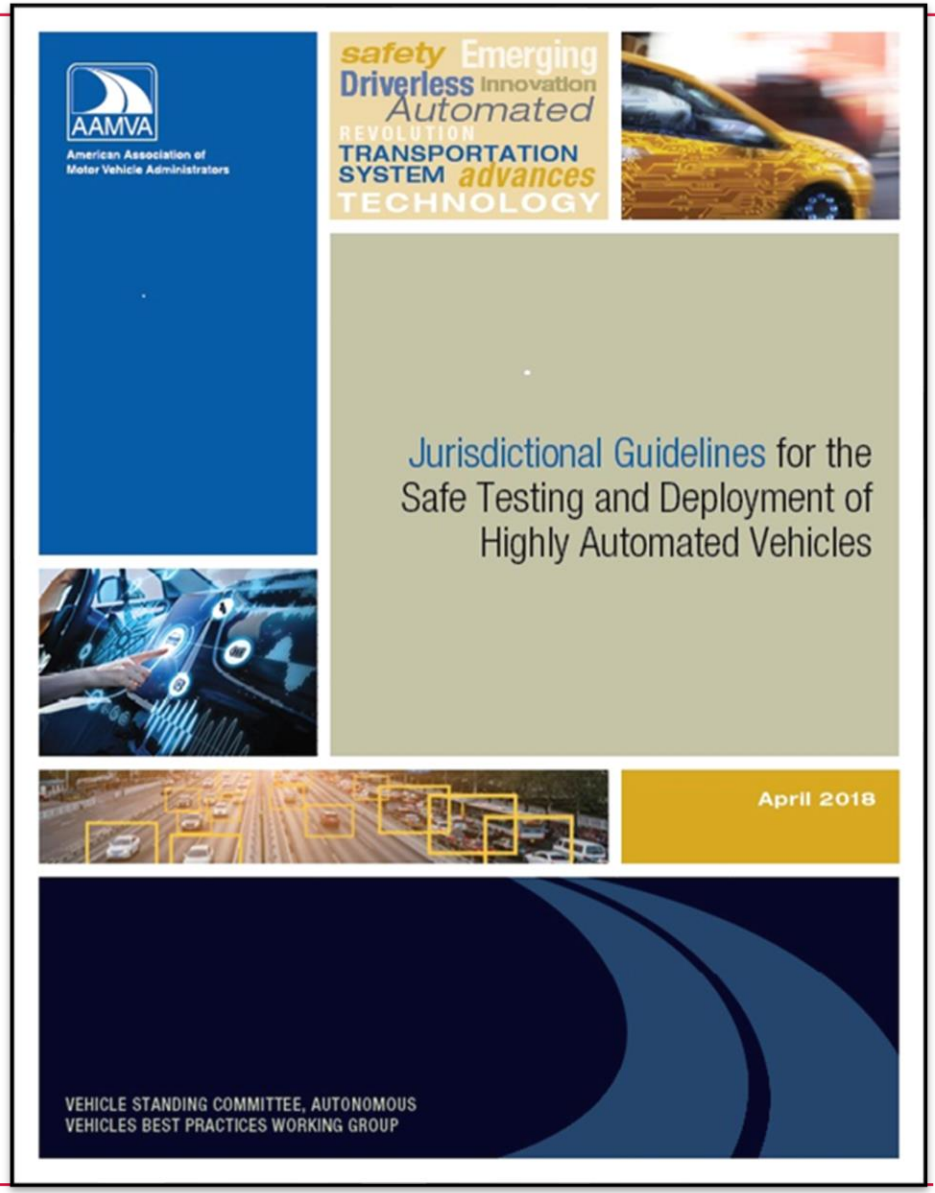
Safe drivers
Safe vehicles
Secure identities
Saving lives!

"Jurisdictional Guidelines for the Safe Testing and Deployment of Highly Automated Vehicles"

Edition 1 Published May 2018

Provides voluntary guidelines to:

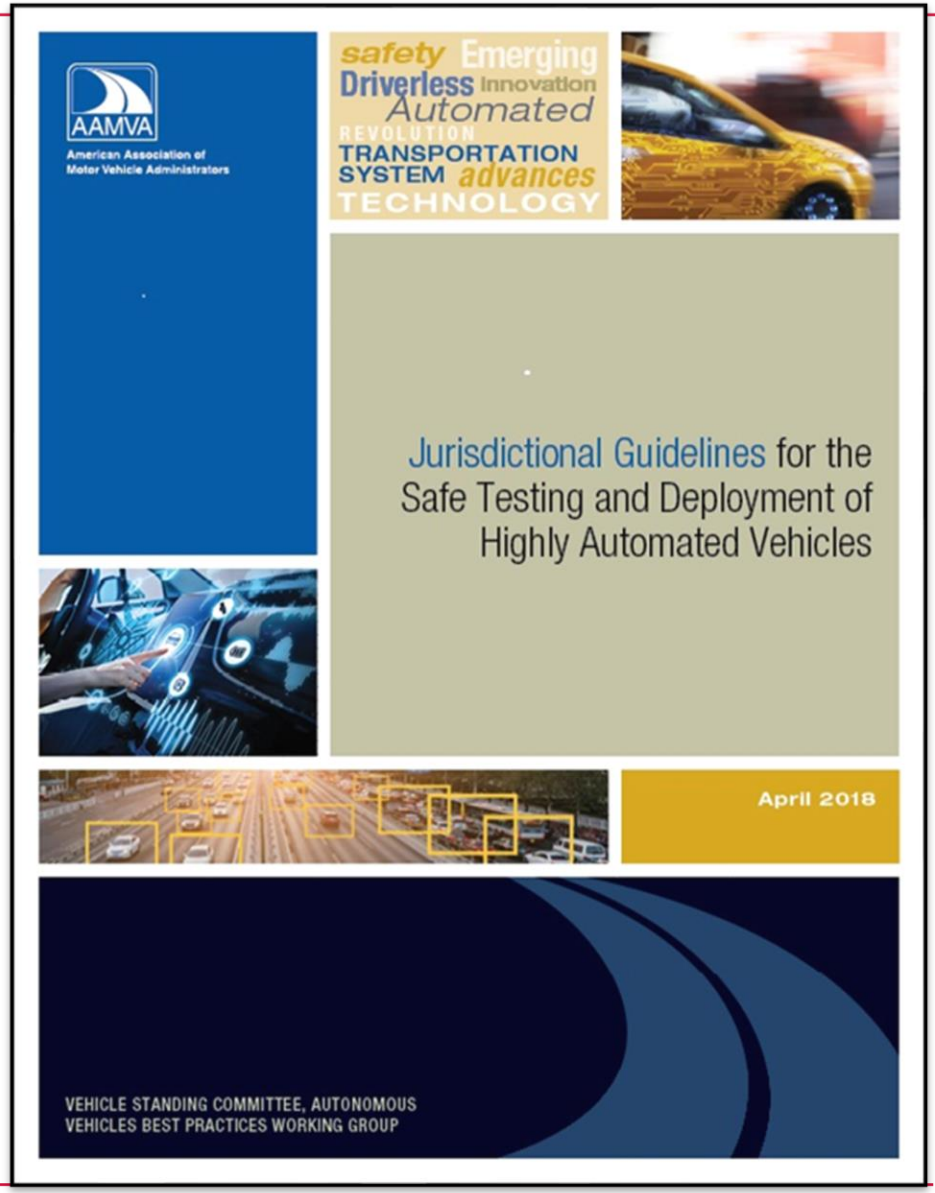
- State & Provincial Motor Vehicle Authorities and Law Enforcement
- Manufacturer's & Other Entities

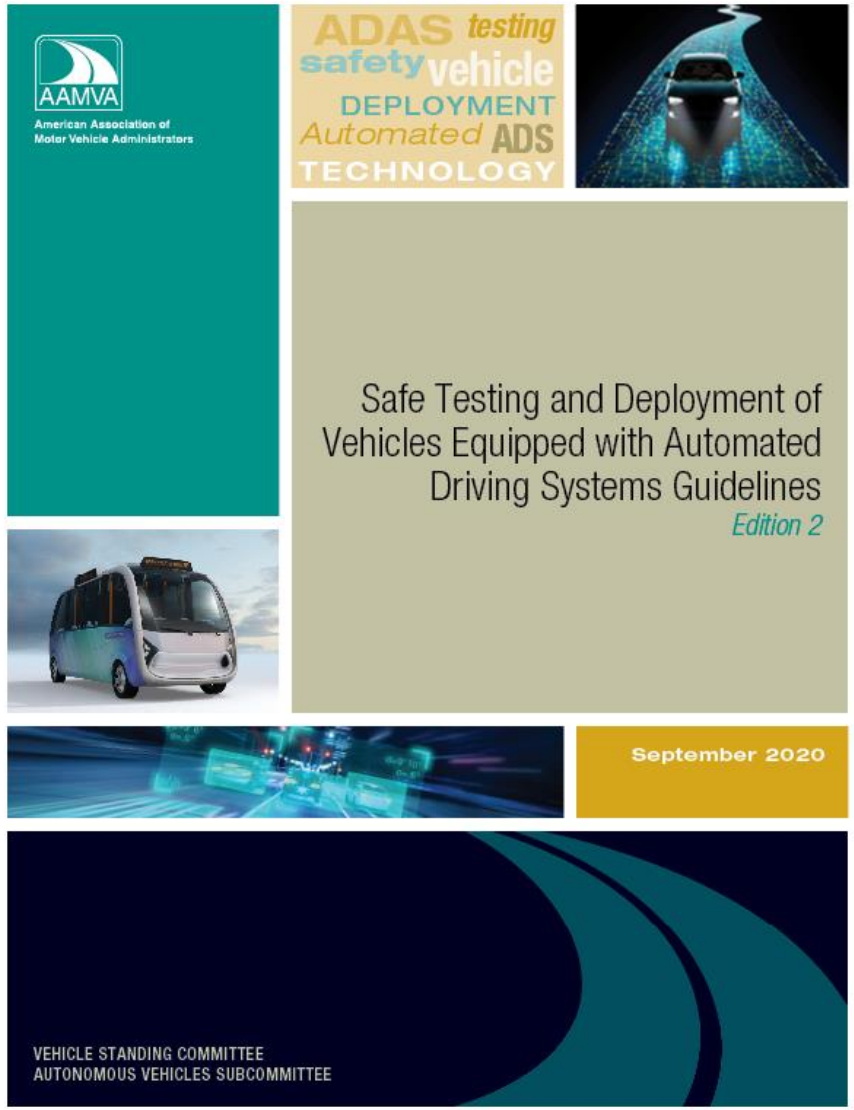


Jurisdictional Guidelines for the Safe Testing and Deployment of Highly Automated Vehicles

Purpose:

To facilitate a consistent regulatory framework to balance public safety with the advancement of vehicle innovations, and ultimately to reduce crashes, fatalities and injuries.





Edition 2, renamed

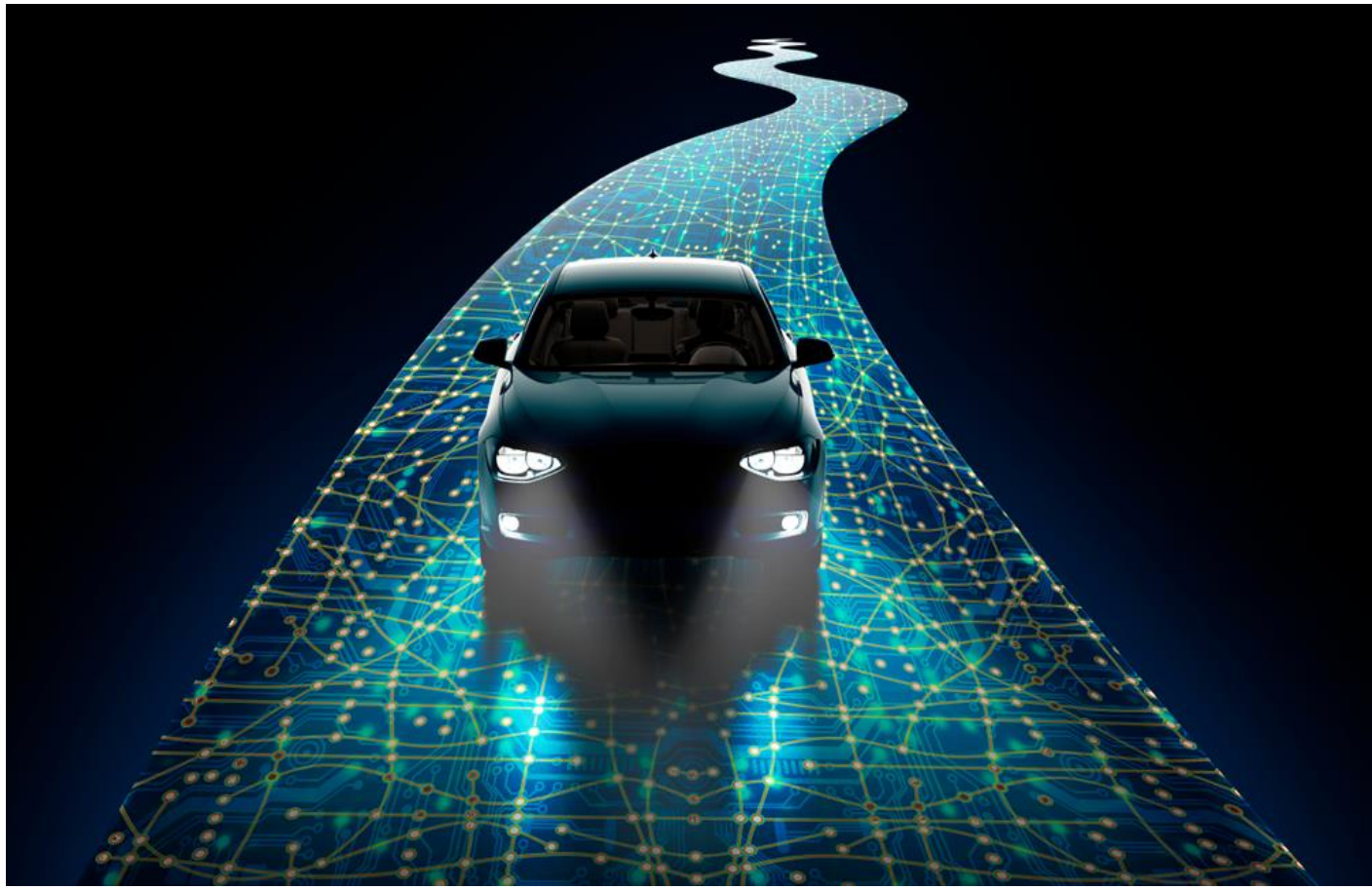
Safe Testing and Deployment of Vehicles Equipped with Automated Driving Systems

Published October 2020

Safe Testing and Deployment of Vehicles Equipped with Automated Driving Systems Guidelines, Edition 2

Chapters:

1. Executive Summary
2. Definitions and Acronyms
3. Administrative Considerations
4. Vehicle Considerations
5. Driver Licensing Considerations
6. **Law Enforcement Considerations**
7. Other Considerations
8. Next Steps



Captain Rick Arnold, Michigan State Police
Assistant Chief Chris Childs, California Highway Patrol
Captain John Ehmsen, Colorado State Patrol
Mr. Kevin Jacobs, Florida Dept. of Highway Safety and Motor Vehicles
Staff Sergeant Terry McDonnell, New York State Police
Brian Ursino, Director of Law Enforcement, AAMVA

Captain Rick Arnold, Michigan State Police
Chief Jeff Dixon, Florida Highway Patrol
Lieutenant Christopher Kinn, Ohio State Highway Patrol
Assistant Chief David Jenkins, California Highway Patrol
Brian Ursino, Director of Law Enforcement, AAMVA

Chapter 6: LAW ENFORCEMENT CONSIDERATIONS

Chapter 6 contains 36 recommendations (16 Jurisdiction directed/20 MOE directed)

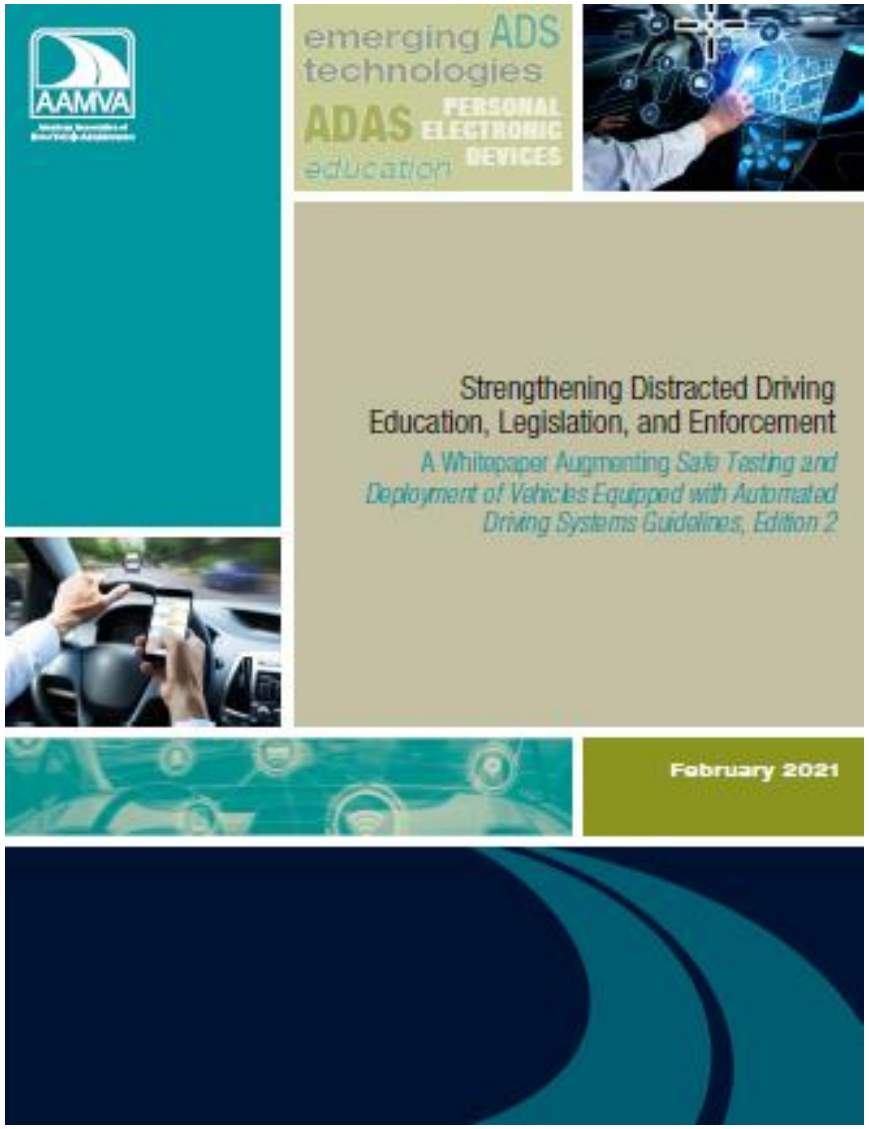
6.1 Vehicle Identification

6.2 Crash/Incident Reporting

6.3 Criminal Activity

6.4 Distracted Driving

NEW WHITEPAPER



Published in February 2021

Strengthening Distracted Driving Education, Legislation, and Enforcement
A Whitepaper Augmenting Safe Testing and Deployment of Vehicles Equipped with Automated Driving Systems Guidelines, Edition 2

This white paper contains 5 MOE recommendations and 2 Jurisdiction recommendations. The purpose of this paper is to provide guidance to jurisdictions on strengthening distracted driving education, legislation, and enforcement to better address existing and emerging technologies including ADAS- and ADS-equipped vehicles.

Contains Model Legislation for Strengthening Distracted Driving Laws

6.5 Establishing Operational Responsibility and Law Enforcement Implications

6.6 Law Enforcement/First Responder Interaction Plans (LEIP)

Discusses imperativeness for Law Enforcement and First Responders to know how to safely interact with ADS-equipped vehicles and provides recommendations for vehicle manufactures to work with this community to develop these interaction plans

6.7 Law Enforcement Protocols for Level 4 and 5 Vehicles

Discusses the importance and provides recommendations to law enforcement agencies for developing protocols to provide consistent direction to all officers within a jurisdiction

6.8 Law Enforcement/First Responder Safety and Training

6.9 Adherence to Traffic Laws

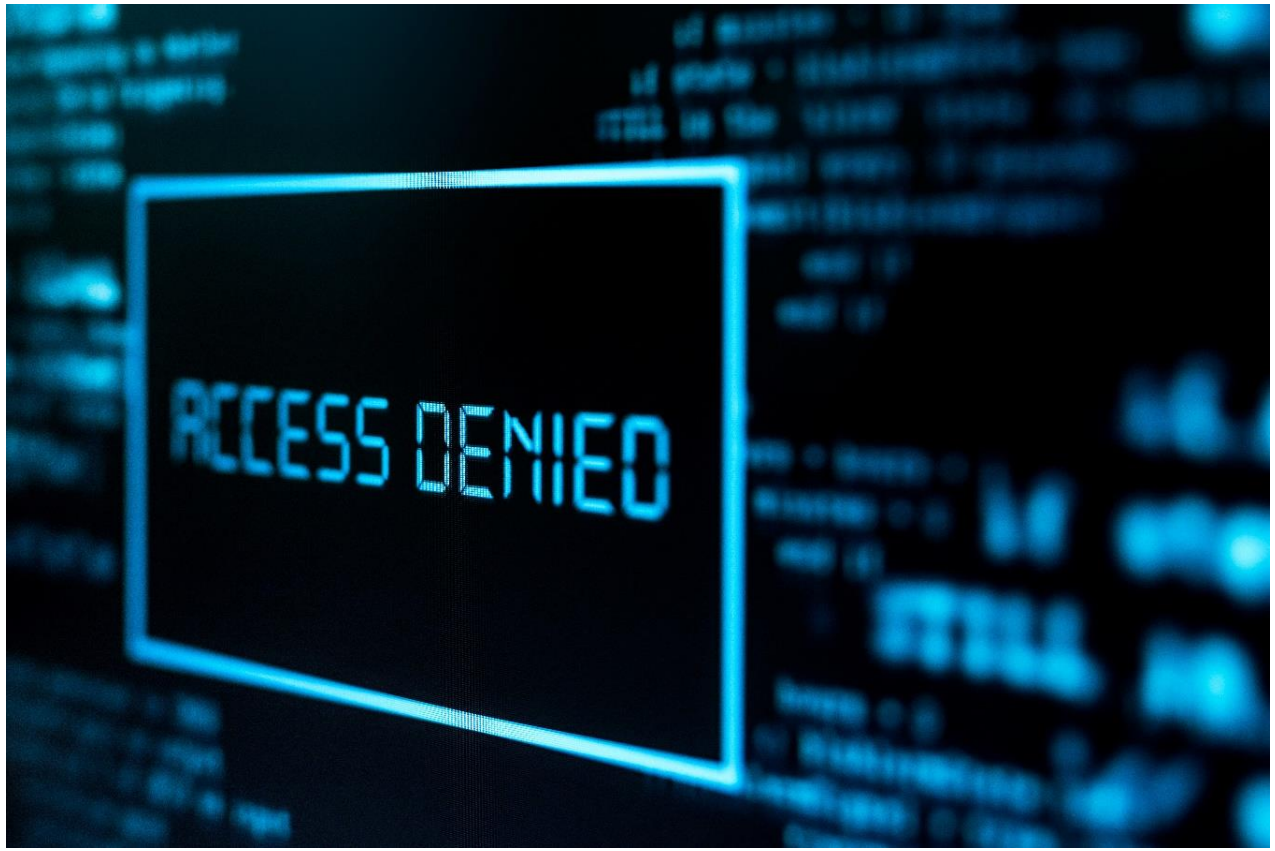
6.10 Vehicle Response to Emergency Vehicles, Manual Traffic Controls and Atypical Road Conditions

6.11 System Misuse and Abuse

*7.1 Cybersecurity for Vehicles with Automated Driving Systems

Discusses the importance of using cyber security industry best practices when developing and manufacturing ADS-equipped vehicles due to threat and attack susceptibility

- Includes 2 MOE Recommendations; and
- 4 Cyber Security reference documents



NEW WHITEPAPER & NEXT STEPS

The AAMVA AVSC will be publishing our second White Paper by the end of June 2021. Titled *Automated Delivery Vehicles and Devices: A Whitepaper Augmenting Safe Testing and Deployment of Vehicles Equipped with Automated Driving Systems Guidelines, Edition 2*

The AAMVA AVSC is committed to keeping pace with the evolution of vehicle technology, providing timely information and sharing its expertise. To keep our report relevant and to provide the best possible guidance to the AAMVA community, it is expected the Subcommittee will update this report periodically.