

# *Highly Automated Commercial Vehicles-Government Planning*

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## Test of Autonomous CMV

First  
autonomous  
commercial  
truck delivery  
of a product in  
history Oct 20,  
2016



# CMV Autonomous Test



- To ensure that the demonstration was done safely, CDOT and CSP took extensive measures to reduce the risks associated with such an event.
- No experience and significant political risk
  - Understanding and communication with elected policy-makers
  - As guidance NTHSA's recent Federal Autonomous Vehicle Policy document and California's autonomous vehicle laws and rules.



# Current Situation



- California-Statute and Regulatory
  - Safe Operation
    - NHTSA's Federal Policy
    - State Law Compliance
  - Manufacturers Certification
    - FMVSS Certification
  - Application Requirements
    - Notification to Local Authorities
    - Law Enforcement and First Responder Plan

# Current Situation



- Colorado-Guidance and Policy
  - Operational Domain
  - Safety Information
  - Driver Certification
  - Vehicle Certification
  - Insurance Certification





# Priorities and Planning Considerations



- Public Safety-Balance
  - Collaboration
  - Partnership



# Priorities



- Responsibility to our communities-Safety
  - Internal to government and external to communities
    - Workforce considerations
  - Financial
  - Solutions





# Regulatory Framework



- The development of a unique regulatory framework-
  - Promote a global view
  - Partnership with non-traditional partners-CVSA as a model
  - We may not fully understand the technology-
    - Managing and preparing for the rapid pace of change
  - Balance between progress and economic development with a firm commitment to safety.

# Planning Considerations

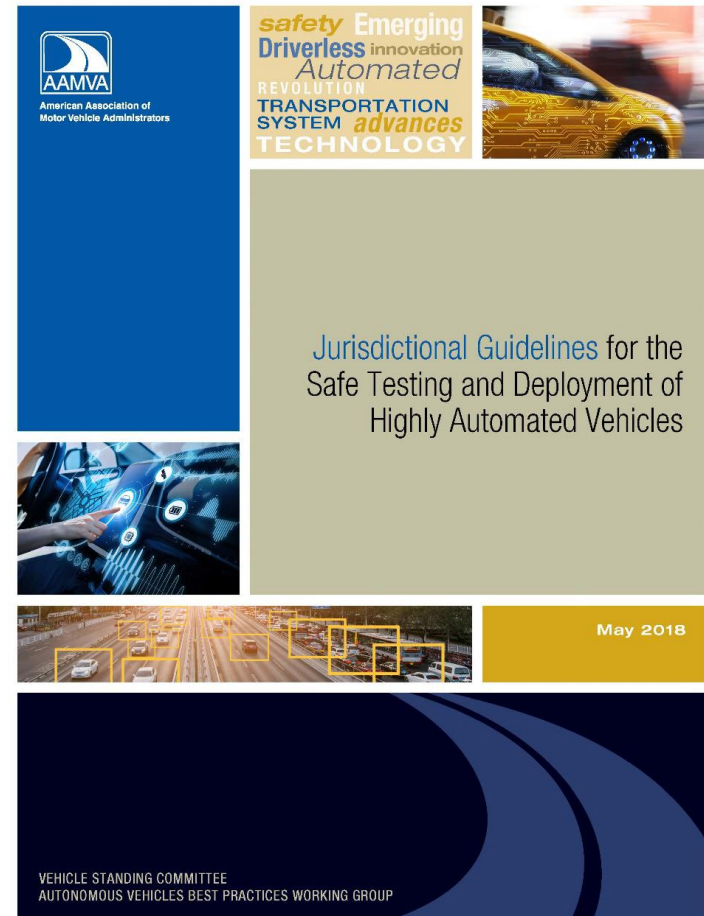


- Not all agencies have the same perspectives
- Crash investigation? Access to data
- Homeland Security-Cyber Security?
- Legal Questions-Who gets the citation?
- Partners/Stakeholders-Communicate and Transparency

# Resources



- American Association of Motor Vehicle Administrators
  - Working Group and Technical Assistance
  - Guidelines Document
  - Brian Ursino-AAMVA



# Resources



- National Highway Traffic Safety Administration-  
*Preparing for the Future of Transportation (AV 3.0)*
  - Released October 2018
  - New multimodal safety guidance
  - Clarifies policy and roles
  - Outlines how to work with U.S.DOT as automation technology evolves



 U.S. Department of Transportation

Automated Vehicles 3.0

PREPARING FOR THE FUTURE OF TRANSPORTATION

[www.transportation.gov/av](http://www.transportation.gov/av)

# Conclusion



- Collaboration
- Flexibility
- Partnership
- Change Management
- Communication

