Pre-Meeting

Video Loop

https://www.youtube.com/watch?v=EzDW2iO5V84

Jason Fenske, mechanical engineer teaming with NHTSA to help consumers learn about cars and how they work

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND CONNECTED & AUTOMATED VEHICLES WORKING GROUP

August 10, 2022 -- In-Person Meeting

Welcome!

WORKING GROUP LEADERSHIP

Maryland CAV Working Group Co-Chairs

Chrissy Nizer
Administrator
MDOT MVA

Jim Ports
Secretary
MDOT

"One in 10 Marylanders still don't use seat belts.

It's simple physics: Even at low speeds, people in a crash continue forward, often resulting in injury or even death for themselves and others.

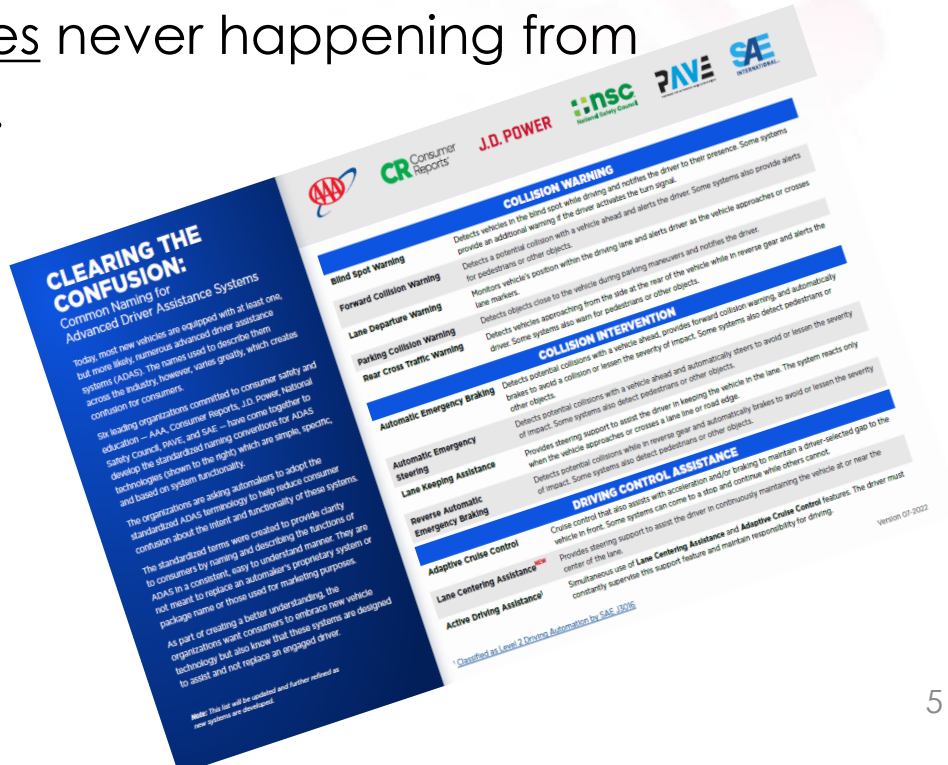
Seat belts save lives, and we need every vehicle occupant to buckle up – every seat, every ride."

Maryland Department of Transportation
Secretary Jim Ports

ADVANCED DRIVER ASSISTANCE SYSTEMS / ADAS

- Potential to **prevent roughly 40% of all crashes** involving passenger vehicles
- National studies estimate a savings of **37% of all injuries** and **29% of all fatalities** that occurred in those crashes
- That's 4 out of every 10 crashes never happening from proper use of this technology!

SOURCE: AAA Foundation for Traffic Safety study: https://aaafoundation.org/wp-content/uploads/2018/09/18-0567_AAAFTS-ADAS-Potential-Benefits-Brief_v2.pdf



MDOT Work on Federal Bipartisan Infrastructure Law

evplan.mdot.maryland.gov/

MDOT Summary of USDOT Discretionary Grant Opportunities

www.mdot.maryland.gov/Grants

BRIEF CAV UPDATES

CAV Subgroups ***(See Charter for Info)***

- Emergency Responders Subgroup
- Tech Subgroup
- Policy Subgroup
- Freight Subgroup

BRIEF CAV UPDATES – MDOT UPDATES

- Maryland Driver's Manual updated with **ADAS** information (pg 41). Maryland is the first state to have any substantial information on ADAS in Driver's Manual for novice drivers!
- Questions being added on **ADAS** to licensing practice test & knowledge test
- Free **ADAS** workshop for driver's ed instructors in the Fall that provides 4.5 hrs professional development
- Links to National Law Enforcement Liaison Program on **ADAS** – how to inform & influence communities they serve
- *CAV Day* on Oct 8th
- *CAV and the Workforce – Virtual workshop in the Fall*

Personal Delivery Devices

Maryland Information @ https://mva.maryland.gov/Pages/pdd.aspx

A **personal delivery device** is a ground-based delivery device that is manufactured for transporting cargo or goods, does not meet the definition of a motor vehicle, and is operated by a driving system that allows for automated and/or remote operations. (AAMVA)

BRIEF CAV UPDATES – PARTNER ANNOUNCEMENTS

- Local government
- State government
- Surrounding States
- Federal government
- Academic
- Industry

Responses / Ideas for ADAS Education

- **How to get the word out?** incorporating in public safety campaign, newletters, posters, handouts; highlight safety success stories; webinars; committee of speakers; social media; collaboration with many organizations
- **Who needs to be educated?** educate internal staff, first responders, dealerships, manufacturers, drivers/consumers, technicians (repair)
- **What education needs to be conveyed?** appropriate terminology; capabilities of tech; differences of active vs. alerts/warnings for ADAS; differences of ADAS v. ADS; awareness of tech and benefits; staying in control of the vehicle

CAV Demonstrations
3:15 pm to 4:00 pm

- ***Annapolis Hyundai –*** location and functionality on a new model vehicle
- ***Annapolis Subaru*** – location and functionality on a new model vehicle
- ***Hunter Engineering*** – calibration fixtures & equipment; Bosch tool for recalibration; performance when set correctly and when out of sync
- ***SafeLite*** – placement and functionality in windshields; also radar/camera unit from Volvo