



June 21, 2023

CAV - A CONVERSATION ON LEGAL AND PUBLIC POLICY ISSUES

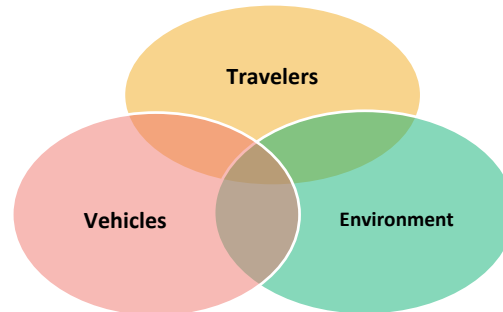
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Transportation Ecosystem

Vehicles	
Components	Roles
<ul style="list-style-type: none"> Vehicle type (auto, bus, bicycle, scooter) Production (design, engineering, testing, certification) Innovation stream Safety features – ADAS, airbags/seatbelts, redundancies Software updates Performance & defects Repair/maintenance availability, processes & cost Automaker/supplier behaviors & policies Industry collaboration Insurance coverage, cost & service Cargo Disposal 	<ul style="list-style-type: none"> Vehicle/device manufacturers Vehicle retailers/resale Vehicle repair and service providers Equipment suppliers Aftermarket providers Fleet managers Vehicle disposal providers Fuel/electrical source providers Gig providers Shared/mass transit providers (rail, bus, air, water)

Travelers	
Components	Roles
<ul style="list-style-type: none"> Beliefs & attitudes On-road behaviors Awareness & education Vehicle-related behaviors (selection, purchase/acquisition, use, repair/maintenance) Demographics (income, household size, age, gender, education, location of residence) 	<ul style="list-style-type: none"> Drivers – Private Passenger & Recreational Drivers – Commercial (including gig) Passengers Pedestrians Cyclists Micromobility riders

Environment	
Components	Roles
<ul style="list-style-type: none"> Roadway design Roadway condition Land use & parking Traffic laws Insurance regulations Vehicle regulations Enforcement Social norms Economy Employment & workforce Innovation stream Weather Crime Animals/wildlife Geographical location Urbanicity Emergency response services Public transit accessibility 	<ul style="list-style-type: none"> Federal regulators and legislators State regulators and legislators Researchers Driver educators Licensing providers State highway agencies Municipality officials Local & state law enforcement Emergency service providers Infrastructure providers Loan providers Telecommunications & data service providers Insurers Media Logistics & shipping providers



Transportation Research Collaborations



Examples of Involvement with CAV Initiatives

- **CAV Testimony before the California Department of Insurance Informational Hearing – September 2014**
- **Federal Law – 2016 State Farm submitted comments that were adopted in the NHTSA Federal Automated Vehicle Policy**
- **Collaboration with NAMIC AV Council to develop a set of industry public policy principles – NAMIC adopted Summer 2017**
- **CAV Testimony before the U.S. House of Representatives – May 2018**
- **Federal Law – Comment letters submitted to NHTSA re New Car Assessment Program (June 2022), Event Data Recorders (August 2022), and Framework for Automated Driving System Safety (April 2021)**



State Farm Public Policy

1. **Automobile safety is paramount for all roadway users, including pedestrians and bicyclists.**
2. **Timely access to vehicle data is critical for law enforcement, first responders, accident reconstruction experts, and insurers.**
3. **Existing liability principles/authorities should apply: States should define and address ADS personal liability issues in state/tort law and regulation in line with existing liability constructs. States and federal authorities should have the authority to define and address ADS liability issues in law and regulation.**
4. **Equitable access to CAV innovation and technology for all.**



Auto Safety Issues

Issue	Injuries	Fatalities
Aggressive Driving	-	56%
Alcohol-Impaired Driving	-	30%
Distracted Driving	14%	8%
Drowsy Driving	2%	3%
Drug-Impaired Driving	-	14%
Red-Light Running	2%	5%
Speeding	13%	28%
Unrestrained	-	45%

Issue	Injuries	Fatalities
Child Passengers	6%	3%
Motorcyclists	4%	14%
Senior Drivers	10%	17%
Teen Drivers	8%	5%
Vulnerable Road Users	4%	19%

Intersections	50%	23%
Rural Driving	-	43%
Urban Driving	-	56%

Sources:

National Highway Traffic Safety Administration. National Center for Statistics and Analysis.
<https://crashstats.nhtsa.dot.gov/>.

National Highway Traffic Safety Administration. Traffic Safety Facts Annual Report Tables.
<https://cdan.nhtsa.gov/tsftables/tsfar.htm>.



Thank you!

