



MEETING SUMMARY

Meeting: Safety Subcommittee
Location: Helen Sommers Building, Olympia
Date: September 17, 2018

DRAFT Discussion Form – Accessing Black Box Data

The need to access black box data in AVs was discussed, resulting in the draft of a discussion form to be continued at the 9/24/18 meeting

- Operating mode (autonomous or driver-controlled) critical upon collision (liability, civil and criminal charges, etc.)
- AVs are equipped with Event Data Recorders (EDR)
 - Captures data such as airbag deployment, seatbelt use, acceleration, braking
 - Upon collision, EDR captures and ‘freezes’ data
- EDR data access by law enforcement via consent or warrant
 - How to capture “consent” when no driver/operator required?
 - AVs now capturing more data points than accessible to law enforcement
 - How to access directly from EDR?
 - Accessing from Manufacturer could break chain of custody, potential to alter
- Need for cost-effective tools to access advanced AV data
 - Currently \$25-30k each
 - Cost and logistics of training law enforcement to use is unknown
 - Timeline to develop more advanced technology to access is unknown
- Potential to implement “implied consent regulation”, allowing law enforcement to access data following just cause
- Need to define what data is needed, what formats are required, and data access/permissions
- Access to data also opens potential for auditability – is the AV doing what it should?
- AV Collision Insurance Considerations:
 - AV systems are present in uninsured vehicle
 - AV systems with driver activation/deactivation capabilities
 - AV systems active at time of collision
 - Use data point to determine premiums and liability in collisions
- **NEXT STEPS:**
 - Continue evaluating impacts and costs, monitor other states
 - No specific recommendations about EDR access until Federal agencies (e.g. NHTSA) develop regulations



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DRAFT Recommendation Form: Educate the Public

The need to educate the public was discussed, resulting in the draft of a recommendation form to be reviewed at the 9/24/18 meeting

- Research current public attitudes and awareness of existing AV systems in vehicles and future Level 4-5 AVs
- Develop multi-phased communication plan – focus on technical and safety aspects
 - Communicate via existing channels, public events, print, radio, social media, etc.
 - Work with manufacturers, dealers, and operators to educate public on what AV systems do, when available, and status of testing in WA
 - Highlight safety benefits of AVs, such as reduced fatalities
 - Educate local jurisdictions on safe infrastructure investments and conflict points
 - Educate law enforcement and emergency responders on AV impacts
- Timeline:
 - Development 7/1/19 thru 6/30/20
 - Implementation as early as 7/1/20
- Agencies/Stakeholders Involved: WSTC, DOT, DOL, and DOH
 - **OPEN QUESTION:** Would agencies have resources to contribute to this effort?
- Fiscal Implications:
 - SFY 2020 - \$200,000 needed for research, development, information gathering and strategic planning
 - SFY 2021 - \$1,000,000 needed to implement communications plan
 - Cost impact mitigation: Funding for individual agencies could off-set needed effort
 - **OPEN QUESTION:** What fiscal notes may agencies put on this?
- Challenge: Public may question why manufacturers/dealers couldn't fund AV education
 - Remedy: Clear public safety, requires direction from state agencies for public best interest
- Challenge: AVs evolving at rapid pace, difficult to keep up with relevant messaging
 - Remedy: Partner with manufacturers to know upcoming changes, comms plan implementation must be nimble/agile
- No legislative or regulatory changes required to implement communications plan

DRAFT Recommendation Form: Health Impact Assessment

The need to conduct a Health Impact Assessment was discussed, resulting in the draft of a recommendation form to be reviewed at the 9/24/18 meeting

- Health Impact Assessment (HIA) outlines public health impacts of various scenarios
 - Provides strategies to maximize positive impacts, mitigate negative impacts
 - Can be led by a state agency, requires participation of public and private partners
 - Engage ethnic and minority populations and disadvantaged communities traditionally not engaged in public policy development



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- HIA can answer questions such as:
 - AV TNC access to under-penetrated neighborhoods
 - Economic impact on communities from reduced fatalities
 - Reuse of land previously marked for parking
 - Potential increase in obesity with more convenient transportation options
- Conduct a modified HIA
 - Resourced by existing state agency, contractor, or both
 - Assess impacts on race and social justice
 - Evaluate labor implications for existing transportation modes (freight, transit, for-hire)
 - Use HIA scorecard in Equity Metrics for Health Impact Assessment Practice
 - Request that substantial funding be used for local engagement and facilitation of HIA through local organizations
- Scoping the modified HIA
 - Involve co-chairs of other AV subcommittees
 - Consider which of the nine general health topics to focus on
 - Hold series of public meetings in various communities
- Timeline: 2-3 years for HIA; scope and procurement internally – launch study July 2019
- Agencies/Stakeholders Involved: Create steering committee, drawn from AV subcommittees and disadvantaged community participants
- Fiscal Implications:
 - SFY 2019-21 - \$750,000 for modified HIA
- Challenge: Gaining access to disadvantaged communities
 - Remedy: Include funding to engage social justice advocates and representative groups in disadvantaged communities

Questions for AV Licensing Subcommittee Consideration

- Several questions arose during discussion that should be considered by the Licensing subcommittee (see attachment)
- Questions relate to the Testing and Certification process for AVs
 - Background checks of test drivers
 - Public and law enforcement knowledge of testing
 - Assurance that AVs react properly
 - Assurance that AVs protect passengers/public
 - Requirements for testing
 - How to access black box data – implied consent?

NEXT MEETING: The next meeting date is scheduled for September 24, 2018.
