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TECHNICAL MEMORANDUM

TxDOT IAC – Technical Support to the CAV Task Force

DATE: September 1, 2021

TO: Zeke Reyna, TxDOT
Strategic Research Analyst, CAV

COPY TO: TTI_Reports@tti.tamu.edu
Tim Hein, Research Development Office, TTI
Ed Seymour, Executive Associate Agency Director, TTI
Robert Brydia, Senior Research Scientist, TTI

FROM: Beverly Kuhn Research Supervisor
Senior Research Engineer Texas A&M Transportation Institute

RE: Licensing and Registration Subcommittee
August 10, 2021, Meeting Notes

Attendees:

Alison Pascale	Audi / Volkswagen
Allan Rutter	Texas A&M Transportation Institute
Beverly West	Texas Department of Transportation
Brian Moen	City of Frisco
Darran Anderson	Texas Department of Transportation
Ed Seymour	Texas A&M Transportation Institute
Marcelle Jones	Stantec
Monika Darwish	Embark
Robert Brydia	Texas A&M Transportation Institute
Sam Dreiman	Argo AI
Shelly Mellott	Texas Department of Motor Vehicles
Sly Majid	Argo AI
Zeke Reyna	Texas Department of Transportation

- I. Opening Comments/Roll Call – Zeke Reyna, TxDOT**
 - Welcome to all subcommittee members
 - Roll call of members and attendees
 - Introduced meeting facilitators.

- II. Chair Welcoming Statement – Shelly Mellott, Texas Department of Motor Vehicles**
 - Welcome and thanks to subcommittee for joining in and look forward to participation

- III. Review of Meeting Structure – Robert Brydia**
 - Recap of last meeting
 - Voted on topics and opportunities identified at the end of last year
 - Set us in motion for topic on which we begin our focus
 - Today’s Mural Board Overview
 - Inviting open discussion from subcommittee
 - Opinions
 - Thoughts
 - Questions

- IV. Subcommittee Discussion – Robert Brydia (facilitator)**
 - **TOPIC:** What information do people need to get into ADAS or ADS equipped vehicles and drive safely? How do they differ by market sectors?
 - Are we talking new purchases? rental cars? What's the domain / scope of this effort?
 - Whose responsibility to ensure that people are prepared?
 - New purchases for sure... (Some dealers have a technology helpdesk with on-site staff).
 - Some companies are rethinking the interaction between OEMs and dealers
 - Video, iPad, come back for a day, external website (what does my car do...), cheat sheets...
 - Consumers may need to be at a 10,000' level for ADS. Don't oversell technologies.
 - Would dealers be willing to undertake this role (expanded training)?
 - 2 parts: What is the curriculum and how is it shared (mechanism)
 - More than can be learned in one training session for some packages.
 - Mechanism is critically important.
 - Not all vehicle sales are supported by dealerships
 - Key to distinguish between ADAS and ADS
 - Rental car companies don't have this requirement currently. Doesn't fit their current policy. Assumption has always been you're a licensed driver and therefore assumed to have knowledge.
 - Should there be pre-loaded videos to learn capabilities?
 - Should new feature capability be integrated with iPhone and Google interfaces
 - **PRODUCT:**
 - White Paper
 - Known disparity in platform and capabilities
 - Training video?

- Main objective is that road users understand the capabilities of these systems so they can increase safety without mistakes that stem from lack of education
- Find a way to bring ADAS companies into the conversation
- Talk to traffic safety division. Is there an opportunity for a traffic safety campaign? Do you know the capabilities of your vehicle?
- Social media (FB, Twitter, Instagram, TikTok, etc.)
- Advertising at DMV, rest areas
- Make you watch a video when you renew on-line
- Do you know how to start your vehicle?
- Need to reach out to Captain Teeter. What's the likelihood that any of this would be added to the test. if not, then it becomes an education / awareness campaign.
- Reach out to teens
- Has to be multiple and multi-media way to reach out because people are not reading books anymore. and many don't even have vehicles
- Is there something on the CV side that could be examined to look at what systems are truly being used?
- Could/Would insurance companies be interested in this type of data? Would you have to demonstrate knowledge to get a discount?
 - TIA
- Teens in the Driver Seat
 - Could also do Level 4 discussions
- TxDOT to run "contentious" aspects past the Gov's office
- Possible Secondary Product: Policy Recommendations
- **WORK EFFORT**
 - Industry Interviews
 - Division discussions within agencies (aka TxDOT)
 - Travel Division
 - Communications
 - NHTSA?
 - NTSB? (new director)
 - Parent outreach for new drivers
 - Owner Manual Reviews
 - Group wasn't sure this would be fruitful.
 - Beneficial to society if people were better educated, but how would you/could you mandate? (Driver's test?)
 - Case Studies
 - Industry Association Reviews
 - Review of other states
 - Other Comments:
 - Comment: My manual is online from my dashboard
 - Comment: A code on your license to show what you can drive, like a motorcycle

V. Wrap Up – Zeke Reyna

- Education – public outreach

- Understanding divisions: age groups, market sectors, etc
- Diversify how to reach differing sectors
- Financial Incentives
 - Insurance
 - OEM's

VI. Closing Remarks – Shelly Mellott

- Good discussion even with small group. Can build on these ideas.

Comments in the Chat:

[2:28 PM] gotta know your ride

[2:29 PM] make you watch a little video when you renew online

[2:32 PM] For EV's important to let driver (and first responders) know about not getting to zero battery - when it hits zero it will need to be towed and wont' shift to neutral.

[2:35 PM] Reach out to parents - safety features are important for newer drivers

[2:38 PM] Correction, it was NTSB who had a new chair confirmed.

[2:39 PM] My manual is online from my car dashboard.

[2:41 PM] a code on your license to show what you can drive - like a motorcycle.