

Cooperative Automated Transportation (CAT) Coalition Policy, Legislative, and Regulatory Working Group

July 20, 2018 Webinar
Notes and Summary of Discussions

Summary of Action Items

1. *Action Item: Support staff to follow up with members that indicated they have (or know of) AV Policy Frameworks.*
2. *Action Item: Mike Cammisa to send Pat Zelinski any documents from the freight industry related to AV Policy Frameworks.*
3. *Action Item: Steve Bayless to send Pat the ITS America testimony on AV policy development.*
4. *Action Item: Anne Marie Lewis to send Pat the model language.*
5. *Action Item: Anne Marie to share any resources or findings related to model regulations (or barriers to regulations).*
6. *Action item: Staff support to work with the volunteers to arrange they to present summaries of the other AV related committees at the next webinar.*

Welcome

Roger Millar (Secretary of WSDOT and Chair of this working group) opened the webinar. He thanked members that were able to attend the June 4, 2018 in-person meeting, and reviewed today's agenda.

A webinar slide deck was used to support the discussions, a copy of the slide deck is being circulated with this summary.

Final Review of Draft Work Plan

Roger stepped through the three activities the comprise the draft work plan for this group, summarized as follows:

- Activity #1: Create a Clearinghouse of CAT Policy Frameworks with Policy Statements and Potential Actions;
- Activity #2: Identify Funding Opportunities and Financing Models to Enable Near-term CAT Investments;
- Activity #3: Identify Model Regulations that Enable Near-Term Pilots and Deployments.

Roger described how this list originated based on input during the May webinar, was discussed in detail during the June in-person meeting and is now presented for any remaining changes or for approval of the group.

Having heard no objections, the work plan as presented in the June 4th meeting was approved and is attached as an appendix to this webinar summary.

Progress on Activity #1: Create a Clearinghouse for AV Policy Frameworks

Roger stepped through a series of updates to the work plan, describing activities performed since the June in-person meeting.

Assembling AV Policy Frameworks

Based on the responses to the survey Pat Zelinski sent out, several sources for AV Policy Frameworks have been identified. **Action Item: Support staff to follow up with members that indicated they have (or know of) AV Policy Frameworks.**

A question was asked to clarify what is meant by an AV Policy Framework. Ted Bailey described the WSDOT CAT Policy Framework as an example. He indicated that an AV Policy Framework would typically include a description of how the agency is preparing for Autonomous/Automated vehicle deployments. This would include policy level activities or decisions related to emerging AV technologies. These documents might also include guiding policy statements for the organization.

Roger asked Mike Cammisa if the Special Committee on Freight could be a resource for any suggestions from the freight industry regarding the movement of goods. Mike indicated there are likely resources very applicable to this group and he will send these to Pat. **Action Item: Mike Cammisa to send Pat Zelinski any documents from the freight industry related to AV Policy Frameworks.**

Steve Bayless mentioned that Shailen Bhatt recently provided testimony related to the approach of incrementally developing policy for CAT over time. This testimony reflects the latest thinking of ITS America. Steve offered to share this with Pat for circulation to the group. **Action Item: Steve Bayless to send Pat the ITS America testimony on AV policy development.**

Anne Marie Lewis from the Automobile Alliance noted that there is some model policy language regarding automation Levels 3-5 in vehicles. She offered to share this OEM perspective. **Action Item: Anne Marie Lewis to send Pat the model language.**

Progress on Activity #2: Identifying Funding Opportunities and Financing Models

Roger reminded members that during the June 4th meeting, the group had identified the need to begin Activity #2 by identifying the benefits of near-term (early) CAT funding. Roger stepped through a slide with 'strawman' bullets describing the benefits of early funding, asking for any input or missing ideas. This slide is inserted below for reference.

What will Public Agencies Accomplish with CAT deployments and near term investments?

Activity #2: Identify Funding Opportunities and Financing Models to Enable Near-term CAT Investments

Benefits of Near-term Investments in CAT (Draft response for discussion):

- Help the industry to better understand the most likely scenarios for CAT deployment and penetration (e.g. when will the % of CAVs reach a critical mass)
- Early testing of the regulations and legislation through actual deployments
- Increased exposure of the general public to CAT technologies and avoid misunderstandings / misinterpretations
- Demonstrating the willingness of public agencies to cooperate with private sector initiatives and advance CAT collectively

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Some suggestions from the group included:

- Remember to describe benefits from the perspective of the constituents (end users, voters, etc.);
- The title is perhaps misleading, but the bullets capture the benefits; and
- Add a reference to evaluation, for example: “how do we evaluate to make the case for near term funding?”

This summary of benefits will be expanded and will include input from ITE and ITS America.

Progress on Activity #3: Identify Model Regulations that Enable Near-Term Pilots and Deployments

It was agreed at the June 4th meeting that a small number (1-2) of applications would be the focus of Activity #3 for the initial year. Once the applications are selected, the working group can focus on assembling as much model regulations as possible.

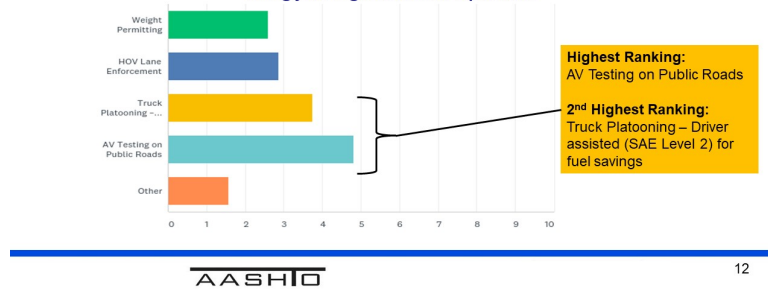
Roger stepped through the results of the member survey where members ranked their interest in topic areas to be pursued in Activity #3. The results (summarized in the following graphic) indicated that AV testing on public roads was the highest ranking topic and truck platooning was the second highest ranking.

The opinion of the group was to pursue the top two topic areas. Other input from the group that was captured includes:

- The working group does not need to reproduce maps that are already available on-line, but what would be helpful would be if the documents could be reviewed and best practices for model regulations identified.

Survey Question: Pilot Deployment Topic Prioritization.

One of the agreed activities of this working group is to select 1-2 topic areas for near-term pilot deployments and to identify model regulations that could enable these pilots. Four potential topic areas have been identified. Please rank the following four areas with 1 being your highest ranked topic area:



Roger asked members to help identify regulations or legislation related to these two topic areas that we can begin to assemble.

Anne Marie noted that the Automobile Alliance participates in as many meetings of different states' AV committees as possible. This has helped them identify general barriers in state statutes that may preclude AV deployment. She will look for resources she can share with this group. **Action Item: Anne Marie to share any resources or findings related to model regulations (or barriers to regulations).**

There was a suggestion that the automobile industry is hoping for as much federal consistency as possible to allow vehicle applications to be consistent across states.

The Larger Vision of the Three Action Items

Ted Bailey noted that he believes this group would benefit from an “end to end” perspective of the three objectives. For example:

- WSDOT can share the AV Policy Framework aspects related to Truck Platooning (Activity #1);
- The group can identify specific benefits of near-term investments in truck platooning and begin to research funding opportunities (Activity #2); and
- The group can then identify model regulations related to truck platooning (Activity #3).

Ted relayed that with some coordination, a vision for this combination of activities could be shared at the next webinar. Ted encouraged the members representing the trucking industry to lead the development of this ‘end to end’ perspective for truck platooning.

Roger agreed with this approach.

There was a reminder to consider quick payoff applications, such as equipping emergency vehicles with DSRC radios.

Member Involvement in Other Committees/Groups

Roger shared the results of the survey question that asked members to indicate what other committees or technical groups they are involved in that relate to CAT. Roger noted that several of the groups are well known by those in the industry but that there are several that are less known. He suggested a standing agenda item for the next few webinars to invite a small number of individuals to share some background on the committee. He asked for volunteers to present at either the September or December webinars. The following were identified:

- Mike Cammisa volunteered to share a summary of the ATA Subcommittee on Automation;
- The representative from AAMVA will check about the possibility of presenting a summary; and
- Kathleen volunteered to share a summary of the APWA AV Technical Committee.

Action Item: Staff support to work with the volunteers to arrange they to present summaries of the other AV related committees at the next webinar.

Member Updates

Roger opened up the floor for members to provide updates on their activities.

- Skip Yeakel noted that there was recently a North Carolina demonstration of truck platooning that involved three trucks with twin trailers.
- Mike Cammisa updated that the [Partnership for Transportation Innovations and Opportunities](#) recently launched.
- There was an update that the FMCSA is hosting a series of listening sessions.
- Steve Boyd noted that there was a truck platooning demonstration after the AV Symposium along I-280.

Meeting Close and Next Meeting

Roger closed the meeting. The group agreed to allow 90 minutes for the next webinar. The next webinar will occur on September 28, 2018 at 8:00 am Pacific.

Policy, Legislative, and Regulatory WG July 20, 2018 Webinar Participants

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| • BOYD | STEPHEN | STEVE@PELTON-TECH.COM |
| • Bailey | Ted | baileyte@wsdot.wa.gov |
| • Bayless | Steven | sbayless@itsa.org |
| • Bremmer | Daniela | bremmed@wsdot.wa.gov |
| • Brown | Robert | robert.brown@tusimple.ai |
| • Buckley | Stephen | stephen.buckley@fcagroup.com |
| • Cammisa | Michael | mcammisa@trucking.org |
| • Cashin | Cian | ccashin@aamva.org |

- Chaum Miriam chaum@uber.com
- Conrad John conrad586@aol.com
- Czapp Tim tim.czapp@fcagroup.com
- Davis Kathleen Washington State DOT
- Deeter Dean deeter@acconsultants.org
- Dopart Kevin kevin.dopart@dot.gov
- Elizer Marshall elizerm@wsdot.wa.gov
- Fedderly Daniel hwype@wwt.net
- Gray Neil neilgray@ibtta.org
- Hietpas Jay jay.hietpas@state.mn.us
- Lewis AnneMarie ALEWIS@AUTOALLIANCE.ORG
- Miliszewski Adam Adam.Miliszewski@Illinois.gov
- Millar Roger millarr@wsdot.wa.gov
- Phillips Gabe Washington State DOT
- Pedersen Neil npedersen@nas.edu
- Puvvala Ravi ravi@savari.net
- Robbins Patty patty.robbins@uber.com
- Suzuki Megumi msu1@subaru.com
- Vemulakonda Gurunath gvemulak@ford.com
- Veoni Dan dveoni@mmm.com
- Wendling Barbara barbara.wendling@daimler.com
- Yeakel Skip Skip.Yeakel@Volvo.com
- Zikova Lucie luciez@uber.com
- murthy gummada gmurthy@aashto.org
- narla siva snarla@ite.org
- Bradley Ed ed.bradley@toyota.com
- Eucalitto Garrett geucalitto@nga.org
- Kohler Brittney kohler@nlc.org
- Lappin Jane jane.lappin@tri.global
- Morris Jonny jonny@embarktrucks.com
- Philips Gabe philipg@wsdot.wa.gov
- Robbins Patty patty.robbins@uber.com
- Vaichekauskas Andy andy1.vaichekauskas@na.mitsubishi-motors.com

- davis kathleen davisk@wsdot.wa.gov

Work Plan Activity	Overall Role of the Working Group / Target Outcome	12 Month Work Plan
Activity #1: Create a Clearinghouse of CAT Policy Frameworks with Policy Statements and Potential Actions.	<ol style="list-style-type: none"> 1. Serve as a clearinghouse as members prepare Policy Frameworks 2. Members will review and organize Policy Frameworks, providing benefit to agencies seeking to develop frameworks 3. Members will offer their own reactions to the frameworks, sharing lessons learned in their development or use of frameworks 4. Possibly even rank some in order to encourage states to be comprehensive 5. Not intended to be an all-inclusive list, but rather a sampling of as many frameworks as the group can identify. 	5/18-9/18: Assemble as many Policy Frameworks as possible, identify additional ones coming in the next 6-12 months.
		10/18-2/19: Members collaborate to review and organize the Policy frameworks, sharing findings with members and establish a portion of the CAT Coalition website to post documents or links to documents.
		3/19-6/19: Members share lessons learned and experiences with the frameworks, developing a “Best Practices” summary of current policy initiatives. – what do these have in common, what are good ideas to promote and share. “we believe a good state policy has these elements”...etc. Also, maybe what we believe should not be part of this
Activity #2: Identify Funding Opportunities and Financing Models to Enable Near-term CAT Investments	<ol style="list-style-type: none"> 1. Document why the funding is important, what are the outcomes of the funding. 2. Work through members to learn how public agencies are funding CAT investments 3. Document what are the mechanisms to deploy these (e.g. cooperative agreement, challenge, demonstrations, etc.) 4. Identify Best Practices and document in a summary document or Power Point Presentation. 	5/18-2/19: Conduct outreach to understand approaches that DOTs are using to fund CAT investments.
		3/19-6/19: Summarize the findings in either a PPT presentation or word document.
Activity #3: Identify Model Regulations that Enable	<ol style="list-style-type: none"> 1. Identify a small subset of topic areas for pilots 	5/18-7/18: Agree to the initial topic area (e.g. truck platooning). Outreach to ULC, invite participation in this group, offer up this group as a resource

Near-Term Pilots and Deployments	<ul style="list-style-type: none"> 2. Explore regulation needs for these pilots 3. Explore the potential for a relationship with the Uniform Law Commission (ULC) and other groups advancing regulations. 4. Canvass other sources for model Bills related to AVs 5. Consolidate the findings of model Bills and summary in a presentation or document. 	8/18-2/19: Seek other sources of model Bills, reporting back any findings or leads on the bi-monthly webinars
		3/19-6/19: Summarize findings in either a PPT or a Word Document