

CAT Coalition – AV Infrastructure-Industry Working Group
September 12, 2019 Meeting Notes

Attendees:

Tracy Larkin (Co-Chair)	Katy Salamati	Val Rader
Steve Gehring (Co-Chair)	Venkat Nallamothu	James Kuhr
Ginna Reeder	Jeremy Schroeder	Vince Garcia
Zeke Reyna	Bismark Agbelie	Jodie Bare
James Gray	Shane McKenzie	Dave Huft
Fred Bergstresser	Roger Berg	Linda Sitz
Brian Simi	John Hibbard	Paul Carlson
Carole Delion	Faisal Saleem	Galen McGill
Daniela Bremmer	Tracy Larkin	

Action Items:

- AASHTO staff: Schedule a 2-hour webinar to discuss infrastructure readiness for AVs.
- Everyone: Identify resources that may help develop content for the Communications 101 resource.
- Everyone: Provide feedback on organization and content of the draft script that will be developed and shared with WG members.

Notes:

1. Ongoing Commitment to Outreach and Knowledge Transfer

Tracy emphasized the need to expand our membership and share available resources with members. She highlighted the presentation on the last webinar from Daniella, which has prompted an action to initiate a survey on AV deployments that would document lessons learned. Members are asked to email any suggestions to Steve, Tracy, Venkat, or Jeremy.

2. Review of Previous Webinar

Tracy reviewed the topics from the previous webinar. Specifically, she commented that the group will focus efforts on the Communications 101 resource and monitor efforts by others rather than generate a new Primer of Terms.

Another activity for this WG is an exercise about the bigger picture for CAT infrastructure that links to a project Paul Carlson is part of. Specifically, Paul is working on a FHWA research effort that is currently generating a document that describes AV readiness criteria for physical ITS, multimodal, and other infrastructure that examines both near- and long-term impacts. There is a section that describes what agencies should begin thinking about today even if the industry does not yet have the answer, given the maturity of technology today. He noted this is not a roadmap, but more of a list of topics for agencies to consider and be ready in the future. Venkat and Tracy suggested a 1-2 hour webinar for focused discussion on this topic to dig into the details with WG members, and Paul agreed that this

would be helpful to validate the work being done in the FHWA effort. This would help understand benefits, impacts that could occur today, and whether the benefits are technology neutral, for example. Tracy commented that IOOs sometimes take a step back and let others in industry take a lead, but it is important to also understand where IOOs can take the lead and benefit.

3. *Communications 101 Resource Content and Discussion*

Tracy talked through the purpose and proposed approach for the Communications 101 resource and requested feedback from members about the content and suggestions for what to add. Comments included the following points:

- Cartoons are excellent for this type of resource, which could be used for politicians in addition to IOO executives and decision makers.
- RTC noted that another aspect to bring in regarding an AV deployment could be common blockers from a regulatory standpoint. This is another complex area, but it could be simplified to discuss procurement, provisions in policy, and other issues for a deployment to be successful.
- Include a dictionary definitions included from the very front to explain any acronyms.
- Dave Huft recommended including security certificates as a topic.
- Discuss problems we are trying to solve with AVs, such as first-mile and last-mile gaps, safer roadways.
- Data can be beneficial to agencies, but OEMs are sometimes reluctant to share. What data elements should be collected to improve safety with AVs?

4. *Quick Update from Focus Area WG: IOO/OEM Forum*

Jeremy provided an update on things that the IOO/OEM SPaT/RLVW and RSZW working groups have been focusing on, including the USDOT MAP Tool project. This project expanded the Tool capabilities, is nearing completion, and the updated Tool is expected to be made available on the CAT Coalition or NOCoE website. A series of Connected Fleet Challenge webinars will be held to introduce the Challenge, available resources, and highlight several agencies' progress in equipping fleet vehicles and deploying SPaT capabilities. The RSZW group is developing a webinar for the CAMP Software Toolchain which generates MAP messages for a work zone, as well as a resource to document lessons learned from agencies that have used the Toolchain.

5. *Partner Reports: USDOT, ITS America, ITE, Others*

The CV Pooled Fund Study is going to be looking at MAP messaging standardization so some coordination may be necessary.

Venkat highlighted some updates from the CTSO CAV Working Group, including the focus on SPaT deployments that are now operational to understand benefits and lessons learned. The group is also tracking AV shuttle deployments by DOTs and local agencies to understand the data being collected, benefits, and lessons learned.

6. *Action Items and Next Steps*

- Schedule a 2-hour webinar to discuss infrastructure readiness for AVs.
- Identify resources that may help develop content for the Communications 101 resource.
- Provide feedback on organization and content of the draft script that will be developed and shared with WG members.

7. *Next WG meeting and Adjourn*

The remaining 2019 meetings for this working group are targeted for the following date and time. Everyone should have received a meeting notice for this.

- December 18, 3:00-4:30 (Eastern)