

**Cooperative Automated Transportation Coalition
Technical Resources Working Group
Monthly Meeting Summary**

Wednesday, October 10, 2018 11:00 am - 12:30 pm Eastern Time

Actions

1. All: Provide feedback on whether SCMS and USDOT AV Guidance are of interest for detailed presentation.
2. All: Provide feedback on CAV Resources White Paper, including additional resources.
3. Ray: Share NCHRP announcement with this working group, and we will add these projects to the white paper.
4. Donna: Share Iowa DOT CAV CMM results with the working group after it has been reviewed.

Meeting Summary

Introduction

Faisal welcomed everyone and led roll call.

Resources Working Group Recap

Navin presented a brief recap of Resources WG webinar from the previous month, which included:

- USDOT update on:
 - ITS JPO constructing a basic SCMS misbehavior detection system for the CV Pilots, to be available soon. SCMS is expected to be a deep dive topic of a webinar in the near future
 - OmniAir Consortium will be testing the SCMS at a Plugfest in late October in Texas.
- Upcoming Webinar Topics Discussion about possible future webinar topics for this group, which involved adding two topics: CAV Data Exchange and Governance and National Dialogue on Highway Automation.
- Navin led an interactive discussion on considerations when deploying roadside units (RSUs) at intersections.

Updates on CAT Coalition Activities

Jeremy provided a brief update for the CAT Coalition. Jeremy noted the next SPaT Challenge webinar to be conducted on 10/23 that will feature operational deployments from North Carolina and Georgia. The IOO/OEM RSZW Working Group is nearing completion of a draft Model ConOps, which will be presented and distributed to this group for review in the next month or two. He also noted the CAT Coalition website updates are being made, and should be going live soon. Strategic Initiatives Working Group is still moving forward with setting the foundation for the Connected Fleet Challenge, and talking about ways to verify and validate SPaT Challenge deployments.

USDOT Update

Ed Fok noted the Automated Vehicle Guidance 3.0: Preparing for the Future of Transportation that was released this week, and suggested this could be a deep dive topic for November. It is available here: <https://www.transportation.gov/av/3>

Ed noted the Request for Letters of Intent (RFLI) from the Connected Vehicle Pooled Fund Study regarding the Queue Advisory/Warning Application Concept and Development, which is posted on the website: <http://www.cts.virginia.edu/cvpfs/>.

Ed highlighted the availability of the USDOT MAP Tool and Equipment Loan Program. The MAP tool can be accessed at: <https://webapp.connectedvcs.com/>. Technical assistance and information provided through Turner-Fairbank is available on the website: www.cvcs.samanage.com, or by e-mail: support@cvcs.samanage.com.

Ed requested feedback on whether the AV Guidance and SCMS were of interest to the group for more detailed presentations in the coming month or so.

Research Gaps Identification

Faisal presented the updated white paper on CAV resources. He briefly presented the opening sections, and spent more time presenting updates that include a table of resources identified for the four priority applications: intersections (signalized and unsignalized), work zones, end of queue, and curve speed warning. Faisal noted that many of these resources were developed 6 or more years ago and may need to be updated, and thus are a potential resource gap. A second table summarizes the identified resource gaps. Several additional gaps were noted specifically for SCMS interoperability, rules, and scalability, as well as overall scalability and adaptability of the deployed technologies, e.g., to update firmware. Faisal noted that these resources and gaps are not exclusive to DSRC. Another suggestion was to note the technologies used in the summary of projects, although Faisal noted that to date all use DSRC.

Tool for Agency Self-Evaluation of Capabilities to Develop Cooperative Automated Transportation (CAT) Program

Steve Lockwood presented the tool that has been developed to help assess agency capabilities for developing a CAT program. He noted this is based on the capability maturity models and has been used in a workshop setting in Iowa. When asked if the results were available, Donna Matulac said she would share the report from the CMM Workshop in Iowa after it has been reviewed internally. Faisal noted that the white paper should incorporate business processes and organization.

Upcoming Webinar & Close

Before closing, Ray Derr provided a brief update that new projects have been selected by the NCHRP panel, and a formal announcement will be forthcoming in the coming month. Specific CAV resources relevant to this group, include four projects related to workforce capabilities for state and local agencies, infrastructure modifications, state and local impacts of automated freight, and shared mobility on travel and behavior. Jeremy will add these to the white paper when the announcement has been made.

The next Resources Working Group meeting will be held on November 14, 2018 at 11am ET.