

Cooperative Automated Transportation (CAT) Coalition Peer Exchange & Outreach Working Group September 21, 2018 Webinar Notes and Summary of Discussions

Summary of Action Items

- *Members to discuss a strategy for outreach to NENA and APCO during the November webinar.*

Welcome

Ed Seymour (TTI and Chair of the Peer Exchange & Outreach Working Group) welcomed everyone to the webinar and recapped the action items from the previous webinar, all of which were either addressed or would be during this webinar.

Outreach and Peer Exchange

Ed introduced the three outreach and peer exchange topics for today's webinar. Ed reminded members that they are welcome to send a request to present during this portion of the bi-monthly webinars. To request to present, email Ed and Dean at: catoutreachwg@gmail.com.

Outreach and Peer Exchange Topic #1: Connected Fleet Challenge

Mark Kopko, Penn DOT, provided an overview of the Connected Fleet Challenge. The Strategic Initiatives Working Group has been leading the initiation of the Connected Fleet Challenge. This challenge will build upon the SPaT Challenge and encourage public and private sector fleets to equip a small number of vehicles with on board units to receive SPaT and MAP messages and to broadcast the Basic Safety Message (BSM).

Mark provided members with background on why the Strategic Initiatives group felt this challenge is needed:

- Fleet owners need experience procuring, deploying, and operating On-board units (OBUs) to prepare for future deployments
- Fleet owners and IOOs would benefit from real-world trials of various applications (e.g. Red Light Violation Warning and Eco Glidepath)
- IOOs that have participated in the SPaT Challenge need a mechanism to perform additional verification of their broadcasts

Mark noted that the current definition of target goals for the Connected Fleet Challenge, as follows:

- Fleet operators equip at least 2 of their fleet vehicles, including one heavy duty and one light duty vehicle if their fleet supports it;
- Fleet operators collaborate with other fleet operators to achieve as much diversification in vehicles equipped as possible nationwide and to share lessons learned; and
- Fleet operators are challenged to partner with IOOs that have deployed SPaT/MAP broadcasts to exchange data.

A copy of Mark's slides is included in the overall slide deck circulated with this meeting summary.

Outreach and Peer Exchange Topic #2: SAE Standards Update

Ed introduced Bill Gouse, Society of Automated Engineers (SAE), as the next speaker. Ed also noted that one goal of this working group is to periodically provide status updates on CAV standards being developed. This month, members will receive an update from both SAE and ITE.

Bill Gouse presented a detailed update on the SAE standards activities. Bill started by introducing the overall processes SAE follows, and cited some examples that included human factors standards within the area of Advanced Driver Assistance standards, and a suite of standards related to Automated Driving Systems and Connected Vehicles.

Bill introduced the J3018 standards that address general safety-relevant guidelines for performing tests of prototype automated driving systems (ADSs).

A copy of Bill's slides is included in the slide deck, with additional information about the SAE standards processes.

Outreach and Peer Exchange Topic #3: ITE Standards Update

Ed introduced Siva Narla, Institute of Transportation Engineers (ITE). Siva provided background information on ITE and the overall ITS and connected vehicle standards development process within ITE. Siva described the fact that a task force is working on the NTCIP 1218 standard that will define the protocols and data dictionary to enable configuration, control, and monitoring of roadside units (RSUs).

Siva then introduced members to the ongoing activities led by ITE in cybersecurity. ITE is working on the Roadway Transportation Systems Cybersecurity Framework (RTSCF). ITE is in the process of conducting workshops at ITE, AASHTO and ITS America meetings and will organize a set of end user needs from these workshops as the next step.

Siva thanked members and encouraged them to contact him if they had any additional questions. Siva's slides are included in the overall slide deck.

Ed concluded the Outreach and Peer Exchange portion of the meeting by reminding members that they are welcome to request to present an update on activities they are involved in by emailing him and Dean at: catoutreachwg@gmail.com.

Identification of More Formal Outreach Needs and Approaches

Presentation to ATSSA

Ed noted that he would be available to present the CAT Coalition at the ATSSA meeting this winter. Ed reminded members to bring forward other similar requests for outreach and this working group will identify speaker(s) to perform the outreach.

Follow up from the TSAG Group at the ITE Annual Meeting

During the July webinar of this group, there was discussion about conducting formal outreach to the emergency responder community to inform and educate them about the status of CAV deployments. One suggestion was to attempt to perform some CAV related outreach to the Transportation Safety Advancement Group (TSAG) when they met as part of the ITE Annual Meeting in Minneapolis. The report from members was that due to the short lead time, we were not able to get on the TSAG agenda.

Ed noted that another approach will be to attempt to get on the agendas for the National Emergency Number Association (NENA) or American Public Communications Officials (APCO) annual meetings.

Action Item: Members to discuss a strategy for outreach to NENA and APCO during the November webinar.

Texas

Ed noted that Texas A& M University will be conducting Transportation Training October 15-17, 2018. As part of this training, there is a training session on Traffic Operations and Blaine Leonard (Utah DOT) will be presenting the SPaT Challenge during this session.

Ed noted this as a reminder to members of this working group that if they are conducting training or have an event that would benefit from a subject matter expert within the CAT Coalition, they can raise the request to Ed through this working group. Ed will work with the other working groups to identify who can perform the outreach.

Associations Announcements of Upcoming Meetings, Conferences and Webinars

Ed reminded members that each month a portion of the webinar will be messages about upcoming events.

- Siva Narla (ITE) shared plans for the National Rural ITS (NRITS) Annual Meeting October 21-24 in Phoenix, Arizona (<http://www.nationalruralitsconference.org/>). He noted that the National Dialog on Highway Automation will be conducting a session on operations immediately following this conference.
- The ITS 5C Summit (<http://www.its5csummit.com/>) will occur in Jacksonville, FL on October 7-10, 2018.
- Dennis Hinebaugh, Center for Urban Transportation Research (CUTR) noted that the Florida AV Summit will occur November 27-28, 2018 in Tampa, Florida (<https://favsummit.com/>).

Upcoming Webinar Topics & Close

The next Peer Exchange & Outreach Working Group webinar will be November 16, 2018 at 2:00PM Eastern. Ed reminded members of the email address to send any ideas or suggestions: catoutreachwg@gmail.com.