Cooperative Automated Transportation Coalition
Technical Resources Working Group
Quarterly Meeting Summary
Wednesday, May 12, 2021 11:00 am - 12:30 pm Eastern Time

Action Items

1. Everyone: Share leads, links, or attachments of resources with Faisal or Jeremy on:
    - Suggestions from working group (WG) members on ways to enhance impact, including: 1) proposed new WG Members, 2) communications with/Involvement in other initiatives, and 3) knowledge resources to include on the CAT Coalition Website.
    - Resources or information to support SPaT and Connected Fleet deployments.
2. Everyone: Contact Jeremy if interested in more information on the ITE CI project, including the CI validation information for the SPaT/RLVW application, access to available resources, or invitations to committee meetings.
3. Everyone: Provide feedback on the dated draft of the CI Consistent Procedures for Operations resource: https://transportationops.org/sites/transops/files/CI%20Consistent%20Procedures%20for%20Operations%20v1.2%2004192021.pdf.

Meeting Summary

Ongoing Commitment to Outreach and Knowledge Transfer and Resources WG Recap
- Resources WG members were reminded to provide suggestions for proposed new WG Members, share new information about communications with/involvement in other initiatives, and any knowledge resources to include on CAT Coalition website.
- Randy Roebuck shared that there is an OmniAir Plugfest in Detroit on June 14-18
- Nick D'Andre introduced himself as a new WG member from Grid Matrix (gridmatrix.com).

Partner and Member Updates
- USDOT: Webinars and technical WG meetings have been conducted on traffic incident management and transit signal priority to gather feedback needed to generate a ConOps. Stakeholders active in the area were given an update on where things stand and hear feedback on their needs. A ConOps will be developed based on that input. Regarding CARMA, there is a lot of testing in hopes of generating prototype use case testing in the next couple of months.
- ITS America: Conducting a webinar on Friday on how infrastructure technology is being deployed around the world featuring international presenters who are using technologies to make infrastructure safer and smarter. This is on 5/14 at 11a ET. ITS America is also hosting a webinar on 5/12 in partnership with the USDOT AI for ITS program at 1p ET to provide updates on research in AI thus far and solicit stakeholder feedback. The ITS America Annual Meeting will be in Charlotte NC during the first week of December. This meeting has closed solicitation for presentations and selections will be announced in the coming weeks.

Update on USDOT/ITE Connected Intersections Efforts
Siva Narla shared an update on the content that will be presented to the CI committee in the coming week. He shared the products that are available for review and previewed those that will be available soon. The CI effort is currently in an active state of testing.

Siva shared that the CI committee members come from both IOOs and OEMs. The Final SDD (Design) Document was distributed on April 19, and reflects a very robust design that is traceable and neutral through a systems engineering process with needs and requirements. The next committee meeting will be held on May 17 where the first results from field data testing and validation will be shared. Please contact Jeremy Schroeder for access to these available resources or committee meeting invitation. The validation phase has included a variety of sites around the country and one site from Canada, including Caltrans, Florida DOT, Georgia DOT, Maricopa County DOT, UMTRI, and Utah DOT. Validation includes at least one C-V2X location. The validation phase includes field data collection and analysis to generate results for a final report.

This phase of the CI effort will conclude on September 17 with publication of the final implementation guidance document. The CI project website is: https://www.ite.org/technical-resources/standards/connected-intersections.

CAT Coalition Product: CI Consistent Procedures for Operations
Jeremy described a new resource developed by the IOO/OEM Forum SPaT/RLVW Working Group that seeks to initiate dialogue to advance consistent procedures for operations and maintenance of connected intersections (CIs). The document defines the role of operations, outlines four main principles for operations, identifies types of disruptions, and addresses responses and actions to disruptions that IOOs might make.

A draft version of this document is available on the CAT Coalition Resources page at this link: https://transportationops.org/sites/transops/files/CI%20Consistent%20Procedures%20for%20Operations%20v1.2%2004192021.pdf.

Feedback on this document is welcomed, as it is a working document. Please send comments to Jeremy or Faisal. This document is a starting point for discussion and lays a foundation for increasing conversations about CI operations, which may potentially lead to a larger effort or be picked up in a future phase of the ITE CI project.

Siva requests that any IOOs or OEMs that have interest in consuming the CI validation information for SPaT/RLVW applications please contact Jeremy.

CAT Coalition Product: FAQs for Transitioning from DSRC to C-V2X
Dean described the background for developing this resource, including the FCC announcements and decision within the Strategic Initiatives Working Group that a resource was needed to support agencies as they transition existing deployments from DSRC to C-V2X. In particular, SPaT Challenge sites were

envisioned to have a number of questions regarding the transition and so the resource has taken shape as a list of 28 "Frequently Asked Questions". Dean stepped through these 28 questions.

A small group from this Resources Working Group has been identified to provide a review, but additional feedback from others would be appreciated. Please contact Jeremy if you are interested in providing feedback on this resource.

Roxanne asked if any question addressed closely space equipment and interference between messages. There is a question about whether you can have C-V2X and DSRC operating at the same time, particularly if you have overlapping or intersection corridors. Dean said the group will take this feedback and see if a broader question can be developed to address that issue.

Alan asked if this document addressed only short-range cellular or network cellular. Both are discussed in the document as options for IOOs.

2021 Webinars & Close
Upcoming Resources Working Group meetings in 2021 will be held on Wednesdays at 11:00am-12:30pm ET on August 11 and November 10.

Attendance

1. Alan Clelland — aclelland@appinfoinc.com
2. Michael Baril — michael.baril@stvinc.com
3. Barry Einsig — BEinsig@econolite.com
4. Barry Pekilis — barry.pekilis@nrc-cnrc.gc.ca
5. Bob Rausch — robert.rausch@transcore.com
6. Brenda Boyce — boyce_brenda@bah.com
7. Brian Burkhard — brian.burkhard@jacobs.com
8. Carlos Alban — calban@itsa.org
9. Cliff Heise — cdh@iteris.com
10. Darryl Dawson — ddawson@itsengineering-ltd.com
11. Dean Deeter — deeter@acconsultants.org
12. Emil Wolanin — emil.wolanin@montgomerycountymd.gov
13. Eric Raamot — eraamot@econolite.com
14. Govind Vadakpat — g.vadakpat@dot.gov
15. Hosam Abdelall — hossam.abdelall@dot.state.fl.us
16. Israel Lopez — israel.lopez@triuityeng.com
17. James Marousek — marousek_james@bah.com
18. Jeremy Schroeder — schroeder@acconsultants.org
19. Jim Katsafanas — Jkatsafanas@mbakerintl.com
20. Jonathan Haylock — haylock@gridmatrix.com
21. Joshua Washington — jowashington@dot.ga.gov
22. Kevin Viita — kviita@itsa.org

24.	Liana Mortazavi	liana.mortazavi@us.panasonic.com
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