# Cooperative Automated Transportation (CAT) Coalition Policy, Legislative, and Regulatory Working Group
## August 3, 2020 Webinar
## Notes and Summary of Discussions

## Summary of Action Items

1. AASHTO Team to prepare a summary of actions as a result of the PLR survey members completed.

## Welcome

Jennifer Toth (Maricopa County DOT and co-chair of this working group) opened the webinar. Jennifer 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.

## Strategic Initiatives Working Group Update

Blaine Leonard provided a brief overview of the Strategic Initiatives Working Group – the other CAT Coalition WG within the Programmatic & Strategic Activities Focus Area. The focus of the Strategic Initiatives WG is on encouraging deployment.

Blaine noted that the Strategic Initiatives July 2020 webinar included three primary topics:

- Enabling Connected Intersections;
- Security Credentialing; and
- Connected Work Zones.

Blaine reviewed that most SPaT/MAP broadcasts are currently supporting fleet vehicles, but the transition is to support production vehicles eventually. The Enabling Connected Intersections initiative is an effort to take a communications agnostic approach to preparing to support production vehicles.

Blaine also recapped Raj Pannalouri's presentation on Florida's Security Credential Management System (SCMS). He noted that FDOT follows a seven-step approach to implementing SCMS.

Blaine noted that the July Strategic Initiatives webinar also included a presentation on Connected Work Zones, with a demonstration of the Work Zone Data Collection (WZDC) Tool. Blaine also noted that the Strategic Initiatives Working Group is involved in an activity to identify and take the needed steps to ensure that roadside broadcasts are compatible and trusted by automobile manufacturers. A copy of the request for Infrastructure Owner Operators (IOOs) to download and test the WZDC Tool was sent to members by Pat Zelinski following the webinar.

## PLR Working Work Plan

Jennifer Toth thanked members for completing the survey that Pat Zelinski circulated to understand the priorities of this working group. Jennifer presented the findings, which are summarized in the slide deck being circulated with the webinar summary.

She noted that some are recommendations related to the overall CAT Coalition, some were specific to the PLR WG. Jennifer offered to take the recommendations related to the overall CAT Coalition to the other working group chairs and to allow this working group to focus on feedback specific to the PLR WG.

Jennifer noted that a word document contains the details of the survey findings. Pat Zelinski sent this document to the members following the webinar. Jennifer and Paul will bring back suggestions based on the survey results during the next webinar.

## FHWA Roadway Automation Concept of Operations

Ginny Crowson presented on the USDOT National Roadway Integration with ADS Concept of Operations (ConOps) with the goals of introducing the ConOps project and gathering some initial input from this working group. Ginny provided an overview of the purpose and need for the ConOps, noting that the origin of this ConOps project came from stakeholders suggesting it through various outreach activities, including the National Dialogue on Highway Automation. Ginny noted that this ConOps may not be formatted as a traditional ConOps, but rather will serve as a definitional document describing what IOOs will need to prepare for in the timeframe of approximately 2030-2035 with a partial mixed fleet of automated driving systems (Level 3 and above) and human driven vehicles.

She noted that work began in October 2019 and will continue until September 2021 with six primary tasks:

- Task 1. Project Management
- Task 2. Background Documentation and Foundational Research
- Task 3. Stakeholder Engagement
- Task 4. ConOps Requirements Development
- Task 5. ConOps Development
- Task 6. ConOps Implementation Plan.

She noted that Task 3 (stakeholder engagement) is really a cornerstone of the project. This interaction today is part of this engagement and she noted that they will likely come back to this group later as the integration cases are further developed, and needs are identified. She noted that Task 5 is the largest effort (ConOps Development) and will produce the primary document. Some more information on the ConOps:

- It will not be a standards document, but rather a context for roadway infrastructure needs and activities to support automated driving systems.
- It will be iterative and will evolve over time.
- It will be stakeholder driven.
- It will be strategic to address more than just a single system, but rather a system of systems. and
- Validated through stakeholder engagement.

The ConOps document will be divided into three parts:

- Part I – Executive Summary, focused on upper management,
- Part II – An accessible readable narrative, target audience of IOO staff
- Part II – Technical appendices for IOO specialists.

Ginny focused more on Part II, drawing attention to two sections where work is currently underway, and input is desired:

- #6: ADS and Roadway Automation Context; and
- #7: ADS Integration Cases.

The context diagram builds upon the four dimensions introduced earlier, adding a series of interactions between those dimensions.

Comments:
- Ted Bailey asked about the levels of automation to be addressed by the ConOps and noted that his perspective is that automated long haul freight and fixed route transit are the most likely early use cases and possibly package delivery, assuming it is level 4 and above (or strong Level 3). He noted that other use cases have more hurdles with regards to regulation.
- Ginny clarified it is level 3 and higher, so Ted's comments are as he assumed.
- Paul Ajegba suggested that (as an example) regarding fixed route transit, it would be advantageous to make fixed route transit signal priority universally used nationwide. Ginny acknowledged Paul's example, recognizing that eventually the descriptions of the uses of automated vehicles needs to go beyond the operational design domains to discuss which aspects of operations they impact.
- Ted Bailey also noted that the complexity of this is beyond what local policy-makers are actively pursuing. He suggested language describing "every state shall have…." Would be most effective.
- Ted also noted the challenge of making these findings palatable to a less informed group. Ginny offered to take Ted's suggestion to the larger group.

## Summary of ADS Legislature Nomenclature

Dean Deeter updated members that a document has been prepared that summarizes the research conducted over the last year on the taxonomy and terms used in automated driving systems (ADS) related legislation. This research was initiated to explore the extent to which terms referring to ADS differ between the legislation enacted by states. Dean reminded members that the research showed that the differences were not as large as originally thought, thanks to the taxonomy definitions from SAE and the FHWA AV 3.0 document. Dean explained that a brief paper was prepared to summarize the research and requested members to review the document and offer any input on the next webinar. Pat Zelinski sent the document to PLR WG members following the webinar.

## Products from Other CAT Coalition Working Groups

Tom Kern provided a recap of the products planned to be completed by the other CAT Coalition Working Groups. He noted that a total of 40 products are planned for completion in the remaining years of the CAT Coalition. These products will be the outcomes of the six working groups as well as the IOO/OEM Forum. Some have already been completed, including a couple that the PLR Working Group has already finished. The products are not all written documents, some of them involve outreach and education, some involve input to other efforts or initiatives.

Tom noted that on future webinars there will be additional updates on the availability and suggested use of these products.

## Member Updates

John Harding noted that the USDOT website on the Safety Band is a great site to remain up to date on activities ongoing that involve the 75 MHz of radio spectrum in the 5.9 GHz band reserved specifically for transportation use.

John also commented on the Work Zone Data Exchange (WZDx) Grant opportunity, which proposals were due on the day of this webinar.

John noted the announcement regarding the companies and states selected to participate in a project to improve transparency and safety in the development and testing of ADS. NHTSA Automated Driving System Transparency Testing - gathering information on ADS testing programs

## AASHTO –

Pat Zelinski updated members that the pandemic is a current topic within AASHTO, with anticipated revenue decreases for State DOTs. Pat noted that AASHTO is trying to secure 16 Billion in aid as part of the next COVID relief bill. No details are available on what will be in the bills or when they will be released.

## ITS America –

Kevin Vitta provided an update from ITS America, noting that they have been active in providing input to the Invest to America act. He also updated regarding the Third-party integration pilot project. He noted that ITS America recently sent a letter to the FCC regarding the 5.9 GHz spectrum. Finally, he noted that on July 22, 2020, there was a big push by ITS America and members on social media using #savethespectrum. He noted that ITS America will meet with FCC technology staff on August 12th, to  discuss the spectrum.

## ITE –

Siva Narla provided ITE's update, noting that the ITE Annual Meeting  will start the next day. He also noted that ITE is leading standardization efforts of RSUs and Connected Intersections. There will be a three day walkthrough of the RSU requirements starting on August 25, 2020, with the Connected Intersections needs walkthrough three weeks later.

## Other Member Updates

Jennifer opened it to other members to provide updates:

Kevin Biesty from AZDOT noted that Arizona DOT will be participatin in a testing initiative with NHTSA. The will be starting in the coming weeks and he'll update the working group further in future webinars.

## Meeting Close and Next Meeting

Pat recapped plans for the next webinar. The next webinars of the PLR Working Group will be:

- October 13, 2020 (2:30-4:00 PM ET); and
- December 14, 2020 (2:00-3:30 PM ET).

Paul thanked everyone for their assistance putting the webinar together, and thanked all participants for joining and remaining on the webinar.

## Policy, Legislative, and Regulatory WG August 3, 2020 Webinar Participants

| Name | Email |
| --- | --- |
| Pat Zelinski | pzelinski@aashto.org |
| Dean Deeter | deeter@acconsultants.org |
| Blaine Leonard | bleonard@utah.gov |
| Kevin Viita | kviita@itsa.org |
| Scott Geisler | scott.p.geisler@gm.com |
| Faisal Saleem | faisal.saleem@maricopa.gov |
| john harding | john.harding@dot.gov |
| Scott Belcher | scottfbelcher@gmail.com |
| Ed Bradley | ed.bradley@toyota.com |
| Michael Cammisa | mcammisa@cammisaconsulting.com |
| Venkat Nallamothu | vnallamothu@aashto.org |
| Carole Delion | cdelion@mdot.maryland.gov |
| Jennifer Toth | jennifer.toth@maricopa.gov |
| King Gee | kgee@aashto.org |
| Edward Straub | edward.straub@sae.org |
| Kyle Miller | milleky@wsdot.wa.gov |
| Robert Brown | robert.brown@tusimple.ai |
| Jim Misener | jmisener@qti.qualcomm.com |
| Adam Shell | adam.shell@iowadot.us |
| Kevin Dopart | kevin.dopart@dot.gov |
| Thomas Kern | tkern@transportationops.org |
| Andrea Eales | aeales@apwa.net |
| Strat Cavros | scavros@aashto.org |
| Nanette Schieke | nschieke@mdot.maryland.gov |
| Ted Bailey | baileyte@wsdot.wa.gov |
| Neil Pedersen | npedersen@nas.edu |
| Kevin Biesty | kbiesty@azdot.gov |

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|---|---|
| **Cian Cashin** | ccashin@aamva.org |
| **Jonny Morris** | jonny@embarktrucks.com |
| **Gurunath Vemulakonda** | gvemulak@ford.com |
| **steve lockwood** | lockwood@slockwood.com |
| **Shawn Wilcockson** | shawn.wilcockson@illinois.gov |
| **Ginny Crowson** | crowson@acconsultants.org |
| **gummada murthy** | gmurthy@aashto.org |
| **Joseph Brady** | jbrady@asce.org |
| **Paul Feenstra** | paul.feenstra@paccar.com |
| **Edward Thai** | ethai@hatci.com |
| **SIVA NARLA** | sivanarla@gmail.com |
| **Paul Ajegba** | ajegbap@michigan.gov |
| **Susan Catlett** | susan.catlett@dot.nj.gov |