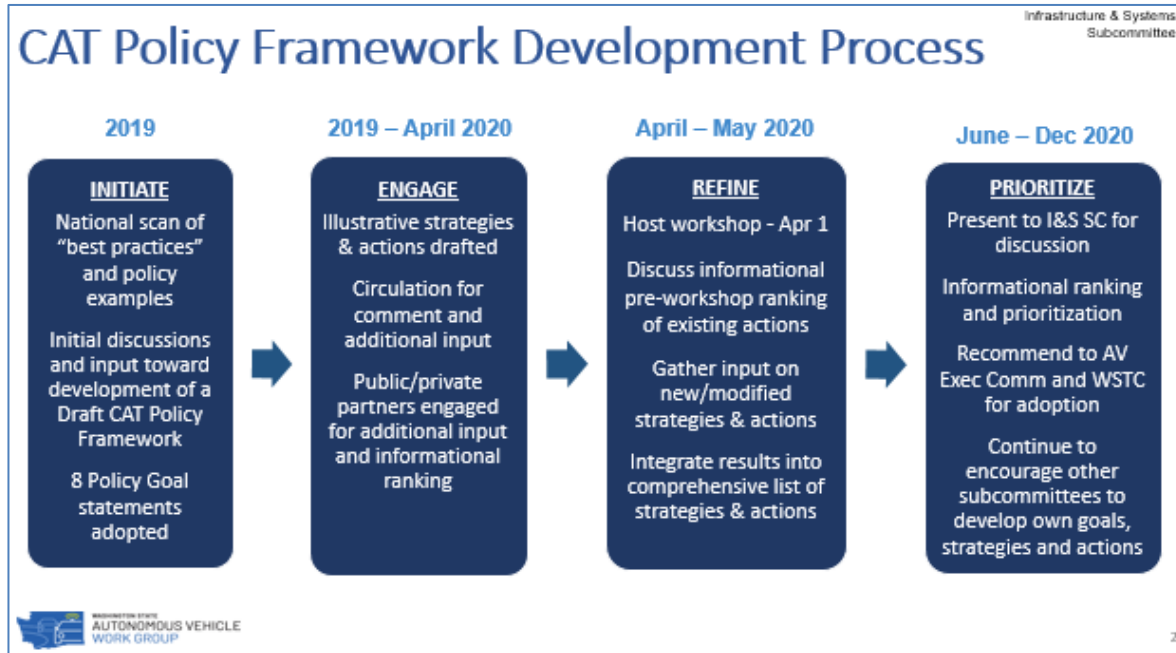


# Washington State Autonomous Vehicle Work Group Subcommittee Discussion Form

<b>Subcommittee</b>	Infrastructure & Systems
<b>Date of Meetings</b>	12-13-2019 and 04-22-2020
<b>1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION</b>	
<p><b>The Infrastructure and Systems Subcommittee’s adopted 2020 <a href="#">work plan</a> consist of three activities:</b></p> <p>Work Plan Activity 1: Develop CAT Policy Framework with policy goals, strategies, and illustrative actions based on local, regional, and national “best practice” policy examples</p> <p>Work Plan Activity 2: Develop project selection criteria and discuss potential funding options to enable the selection of near-term pilot deployment proposals and projects</p> <p>Work Plan Activity #3 - Partnership and Collaboration Discussions with Private Sector Companies Certified for Testing in WA</p> <p>The following summarizes the progress and current status for reach of these activities</p> <p><b><u><a href="#">Work Plan Activity 1: Develop CAT Policy Framework with policy goals, strategies, and illustrative actions based on local, regional, and national “best practice” policy examples</a></u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">The Draft Cooperative Automated Transportation (CAT) Policy Framework</a> continues being developed. It started with the eight policy goal statements adopted by the AV Work Group Executive Committee and Washington State Transportation Commission (WSTC) in late 2019.</li> <li>• The CAT Policy Framework is not developed at a point in time, this is an incremental process</li> <li>• Ultimately, the subcommittee’s goals, strategies and actions are to be integrated into a cohesive product that represents goals, strategies and actions from all 7 subcommittees under one WA State CAT Policy Framework.</li> </ul> <p><b>Activity 1 Subgroup drafted interim strategies and illustrative actions</b></p> <ul style="list-style-type: none"> <li>• Following September Executive Committee adoption of 8 policy goal statements, subgroup worked diligently through December 2019 to draft interim strategies and illustrative actions to support the policy goals</li> <li>• 9 active volunteers drafted strategies and illustrative actions</li> <li>• Drafted strategies and actions used as starting point to support development of a future workshop to refine strategies and actions</li> </ul>	



## 1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION



### Conducted CAT Policy Framework Development Workshop to Identify Strategies and Actions

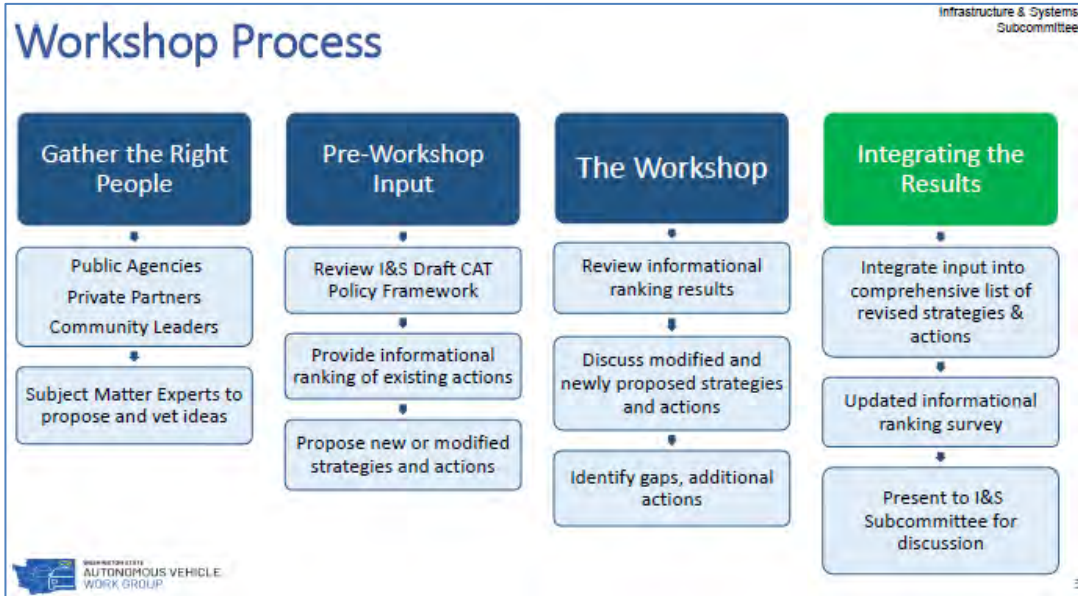
- Goal: Engaging as many people as possible
  - Reached out to broad group of interested parties, agencies, advocacy groups, etc. to be more inclusive. Getting the right people to the table, to get the right input.
  - It is due to that participation and ongoing, active involvement that so much progress was made to date
  - It was important to this process to have a neutral party facilitate the workshop and digest and analyze the results. In addition, subject matter expertise was needed when analyzing actions and strategies, WSDOT staff and the subcommittee contracted with a consulting firm, WSP, to provide neutrality and subject matter expertise.
- Prepared for two and a half months for an in-person workshop but COVID-19 restrictions led to a virtual forum on April 1, 2020.
- Much work was done by participants, completing pre-workshop assignments, reading materials, completing surveys. Ultimately, this work was critical for the success of the virtual workshop. The pre-work included:
  - Review of the draft CAT Policy Framework
  - [Informational rankings of existing draft actions](#)
  - Proposals of new or modified strategies and actions



## 1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION

- **Workshop Process:**

- Review of informational rankings and new/modified strategies and actions



- Split workshop into sections, one for each policy goal, spending approximately 30 minutes on each policy goal reviewing rankings, existing strategies and actions, modifications, and new ideas proposed. [Workshop agenda and slides.](#)
- For every policy goal, walked through each strategy, existing actions, any modifications or new strategies and actions propose
- Example slide of how information was presented during workshop:

### Goal # 3: Economic Vitality & Livability

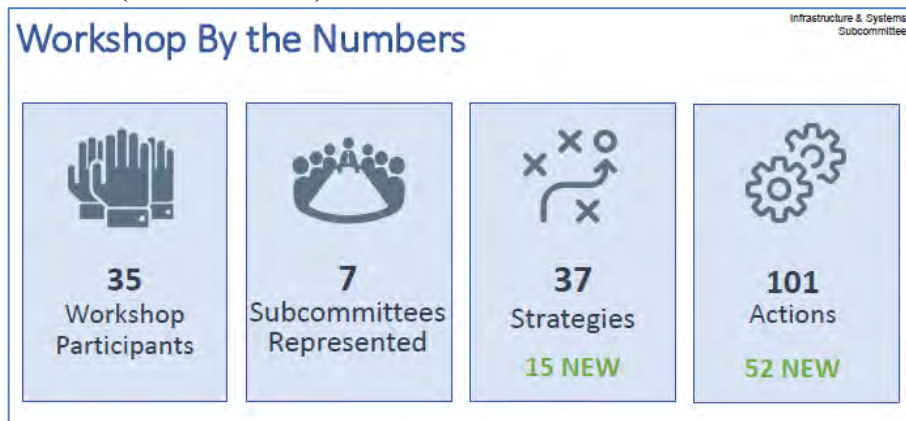
Create resilient and efficient regional networks and empower local agencies to create resilient, multimodal local networks.

#### Ranking Existing Actions

STRATEGY	ACTION	COUNT OF SUBMITTED RANKINGS				RANKING SCORE (0 – 66)
		HIGH	MED	LOW	NOT A PRIORITY	
Strategy 02 Use public/private partnerships.	2-D) Partner with MaaS providers to conduct demonstration projects that illustrate how to address specific mobility needs with MaaS.	5	10	3	4	38
	<i>(new)</i> 2-E) Partner with other agencies and private companies to ensure dark fiber is included in as much of the infrastructure as possible.	N/A	N/A	N/A	N/A	N/A

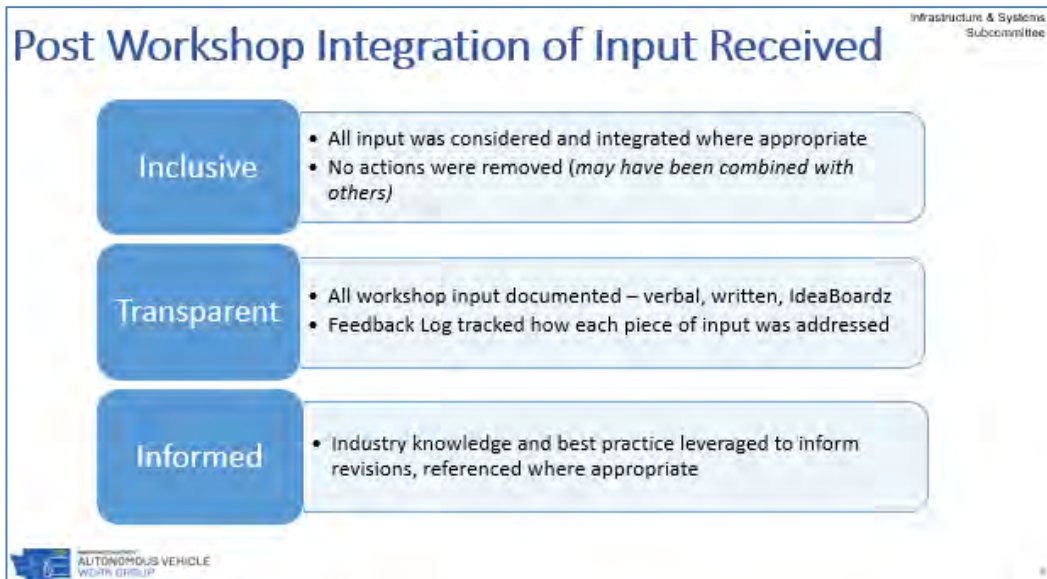
## 1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION

- Reviewed the informational ranking for each existing action
  - As part of the pre-work, each participant provided a ranking of high, medium, low or “not a priority”
  - Assigned values to each of the ranking types, added the values together to get a total “score”
  - Higher scores meant more participants saw action as a near term priority
  - Lower scores meant more participants saw action as a lower or non-priority
- Active Six Hour Workshop Participation- By the Numbers:
  - Participants provided over 150 pieces of new feedback
  - 35 workshop participants (in addition to staff)- almost equal number of public and private sector representatives
  - All 7 AV WG subcommittees were represented
  - In total, 37 strategies were reviewed, 15 were new, suggested during pre-work
  - In total, reviewed 101 actions, 52 new that were suggested during pre-work (more than half)



- **Post-Workshop Activities and Products:**
  - Staff and consulting team synthesized the significant level of input received during the workshop, integrating it into a comprehensive list of strategies and actions.
    - Existing language that may have been vague was strengthened
    - Overly broad language was clarified to be more measurable

## 1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION



- Activity 1 Work Group received a first draft of updated list to review for red flags, fatal flaws and areas that need further clarification
- Presented the [workshop update on process and initial results](#) to subcommittee members at the April 22<sup>nd</sup> subcommittee meeting
- All workshop comments and input was tracked and reviewed and documented in a [Strategy and Action Feedback Log](#)
- The 150 pieces of input were incorporated into a [Revised draft Policy Framework Strategies and Actions document](#)

### Work Plan Activity 2: Develop project selection criteria and discuss potential funding options to enable the selection of near-term pilot deployment proposals and projects

- Activity 2 efforts support and align with the work and results from Activity 1 work that identifies potential strategies and actions
- 2020 activities:
  - Evaluate and build upon pilot evaluation scorecard criteria
  - Evaluate existing local, state and federal grants and their criteria, and how CAT fits in
  - Incorporate results from Activity 1 efforts
  - Assess the feasibility of new criteria against deployment scenario priorities identified by the subcommittee
- Examining existing grant programs to support and resource actions in CAT Policy Framework

## 1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION

- 23 WSDOT grants
- 12 USDOT grants
- 1 US Department of Energy grant
- 1 US Department of Commerce grant
- Identifying the impacts to these grant programs when we introduce CAT related projects into those existing funding sources
- Creating infographics to provide a one-stop-shop for those looking for grant funding information– i.e. “is this the right funding source for me, for my project, my initiative?”
  - Grants with existing infographics
    - WSDOT First Mile / Last Mile Connections Grant
    - WSDOT Regional Mobility Grant
    - Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Grant
  - Activity 2 work group will continue to break down grants into infographics that are most applicable to CAT initiatives
- Presented the [Activity 2 update](#) to subcommittee members at the April 22<sup>nd</sup> subcommittee meeting
  - Presented the [Other State Funding Requirement Criteria Summary](#) product
  - Presented the [State and Federal Funding Sources- Grants Inventory](#) product

### Work Plan Activity #3 - Partnership and Collaboration Discussions with Private Sector Companies Certified for Testing in WA

- 2019 efforts on Activity 3 focused on interviewing companies self-certified with the WA DOL for AV testing.
- The products of this work: the [Open Dialogue Survey Template](#) and the [Open Dialogue Survey Results](#) are posted to the AV WG website.

### Special Activity: ULC AV MODEL BILL Review

- WSTC, at the request of Representatives Hudgins and Kloba, asked all subcommittees to review the ULC AV Model Bill and HB 2470.
  - Subcommittee members and their organizations were invited to provide feedback on ULC AV Model Bill and/or HB 2470, to subcommittee staff. Staff will collect all comments received and forward to the Transportation Commission
- The licensing subcommittee will have this as an agenda item at a future meeting with their next meeting currently scheduled from June 22<sup>nd</sup>, 2020.
  - Staff will provide information to the subcommittee on the Licensing Subcommittee meeting when it is available. For those interested in

## 1) NOTEWORTHY TOPICS OF DISCUSSION, SUMMARY OF DISCUSSION, AND OUTCOME OF DISCUSSION

participating, it is expected that this issue will be part of their June 2020 meeting agenda.

- University of Washington Law School presented to AV Work Group Executive Committee at their May 6<sup>th</sup> meeting. Their presentation material included a lot of information related to the ULC AV Model Bill and what other states are doing to adopt related legislation. Infrastructure and Systems staff support provided guidance and direction to help the UW Law School develop and focus their efforts.

## 2) NEXT STEPS AND PLANS FOR SUBCOMMITTEE

**Next Steps Work Plan Activity 1:** Develop CAT Policy Framework with policy goals, strategies, and illustrative actions based on local, regional, and national “best practice” policy examples

The draft list of strategies and actions will be presented to the Infrastructure and Systems Subcommittee at the scheduled July 13<sup>th</sup>, 2020 subcommittee meeting

- Prioritize: Identify a narrowed set of actions to further refine into clear, concise, near-term actions for I&S Subcommittee to advocate for
  - Summer will be used to gather subcommittee feedback and conduct an informational rankings of all actions to identify a limited number of actions for further refinement and development
  - Present results of informational ranking at the September 11<sup>th</sup> subcommittee meeting
- Discuss next steps and potential recommendations to Executive Committee and Transportation Commission with I&S Subcommittee
- Continue encouragement of other Subcommittees to develop their respective goals, strategies & actions

**Next Steps Work Plan Activity 2:** Develop project selection criteria and discuss potential funding options to enable the selection of near-term pilot deployment proposals and projects

- Keeping participants and interested parties up-to-date on available resources, utilizing the functionality of the WA AV Work Group website to provide a “clearinghouse” of information. Specifically:
  - Information relative to state and federal grants will be updated and posted to the AV WG website’s resource page and updated quarterly

## 2) NEXT STEPS AND PLANS FOR SUBCOMMITTEE

- Activity #2 work group will continue to assess grant opportunities based on the actions being identified in the Activity #1 work
- Develop a communications plan/approach for new grant opportunities:
  - The work group will explore developing a State and Federal list serves
- Providing targeted information relative to current and emergent grant opportunities, such as the First/Last mile grant program or ATCMTD grant awards
  - The work group will aim to respond quickly to share information and answer questions

### Next Steps Work Plan Activity #3 - Partnership and Collaboration Discussions with Private Sector Companies Certified for Testing in WA

- WA DOL is going to reach out to each company and schedule webinars with the subcommittee's Activity 3 work group, along with the staff support/interested persons from all 7 subcommittees to go through the list of open dialogue questions:
  - What they are looking to accomplish by testing AVs in WA?
  - What policies, regulations, opportunities and barriers should be evaluated to create a supportive environment?
    - Example: Last year the subcommittee talked with truck platooning companies, they pointed out the need to address an RCW related to television screens that were restricting the testing of truck platooning
      - Other WA statutes are now in place to address the distracted driving aspect meant to be covered under the television screen RCW, so it is no longer needed
      - Licensing and Safety subcommittee reviewed and are moving forward with a recommendation to remove the restrictive RCW language
  - As of June 11<sup>th</sup>, 2020, there are 15 companies (see the list below) that have self-certified through the [DOL process](#). When companies are ready for discussion, DOL encourages companies to setup a webinar where all subcommittee members can participate virtually to ask the Open Dialogue questions to establish relationship and open communication.
  - Per DOL requirements, companies that don't submit proof of insurance as required by [RCW 46.30.020](#), by **June 11<sup>th</sup>, 2020** will be removed from the list.
  - As a point of clarification, recently confirmed by the DOL, the self-certification process and ESHB 2676: Autonomous Vehicle Testing Legislation only applies to SAE Level 4 and above testing. Activity #3 will continue to reach out to companies that fulfill these requirements indicating their interest to continue further testing in Washington State.
    - Dooblai LLC
    - Github Inc.





## 2) NEXT STEPS AND PLANS FOR SUBCOMMITTEE

- LM Industries Group, Inc.
- May Mobility
- Micro Systems, Inc.
- Navya Inc
- NVIDIA Corporation
- Optimus Ride Inc.
- PACCAR Inc.
- Peloton Technology, Inc.
- RoboTaxe, LLC
- Simple Solutions
- TORC Robotics
- Waymo LLC
- Zoox, Inc.