

Developing a “Best Practices” Policy Summary Document

Washington State Autonomous Vehicle Work group

Infrastructure and Systems Subcommittee

September 9th, 2019

1:30 – 4:30pm

Activity #1 Lead: Francesca Maier

Topics

- ▶ Team
- ▶ Methodology
- ▶ Progress
- ▶ Discuss Policy Goal Statements
- ▶ Next Steps

Team of Volunteers

- ▶ Azmeena Hasham
- ▶ Cecile Malik
- ▶ Chris Grgich
- ▶ Dan McReynolds
- ▶ Francesca Maier
- ▶ Jason Campos
- ▶ Jeff Peterson
- ▶ Joey Yang
- ▶ Les Jacobson
- ▶ Loreana Marciante
- ▶ Marc Daily
- ▶ Mariya Frost
- ▶ Robert Acevedo
- ▶ Sam Yaghmaie
- ▶ Scott Shogan
- ▶ Simone Montez

Objective



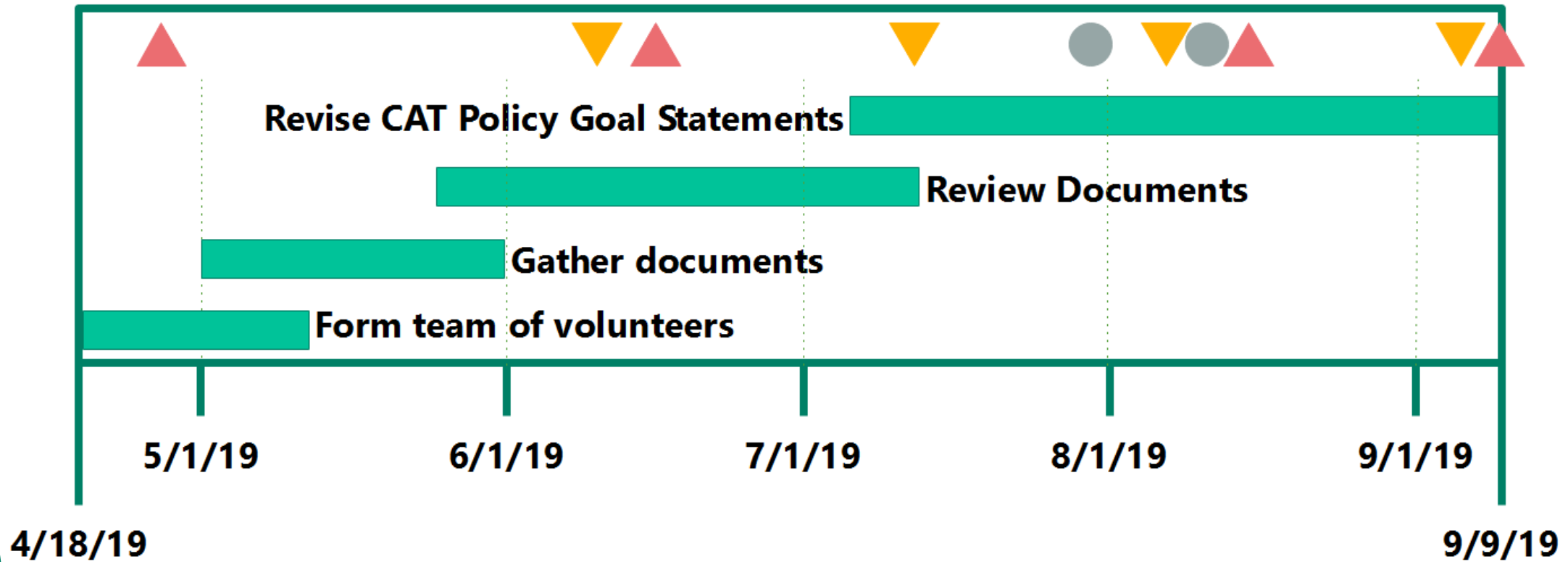
Washington State CAT Policy Framework

Timeline

▲ Working Group Meetings

▼ Activity 1 Calls

● Activity 1 Webinars



Tasks

We are here



Gather Documents

**Screen Documents
1st & 2nd Review**

**Mark-up
CAT Policy Framework**

**Revise CAT
Policy Goal
Statements**

**Working
Group Vote**

Progress... by the numbers



16

Volunteers
(11 Active)



41

Documents
(25 Reviewed)



2,104

Pages
(1,013 Reviewed)



4

Months
(4 Down)



8 Policy Goal Statements Revised

Reviews

My Drive > CAT Infra & Sys Activity 1

Name



Examples



Screening Reviews



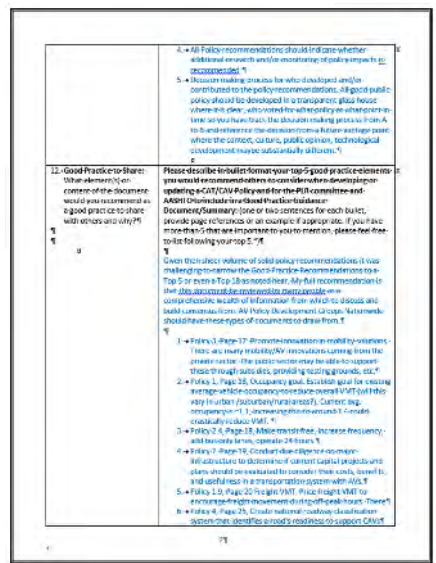
Documents



Task Management.xlsx



Review Template.docx



Items in yellow considered for omitting/skipping for this review

- | | |
|--|---|
| <p>11. Noteworthy-Food for Thought: What element of the document did you particularly like; was noteworthy; you were surprised by; gave you pause; interested you to learn more about, or to replicate; etc.?</p> | <p>Please describe in bullet format your top 5 elements (one sentence for each bullet): This section is important as it may provide us with critical insights that could be reflected in the “Good Practice Guidance Document” product. Please provide page number(s) for the referenced section(s)/text.</p> |
| <p>12. Good Practice to Share: What element(s) or content of the document would you recommend as a good practice to share with others and why?</p> | <p>Please describe in bullet format your top 5 good practice elements you would recommend others to consider when developing or updating a CAT/CAV Policy and for the PLR committee and AASHTO to include in a Good Practice Guidance Document/Summary: (one or two sentences for each bullet, provide page references or an example if appropriate. If you have more than 5 that are important to you to mention, please feel free to list following your top 5.)</p> |

WSDOT Draft CAT Policy Framework

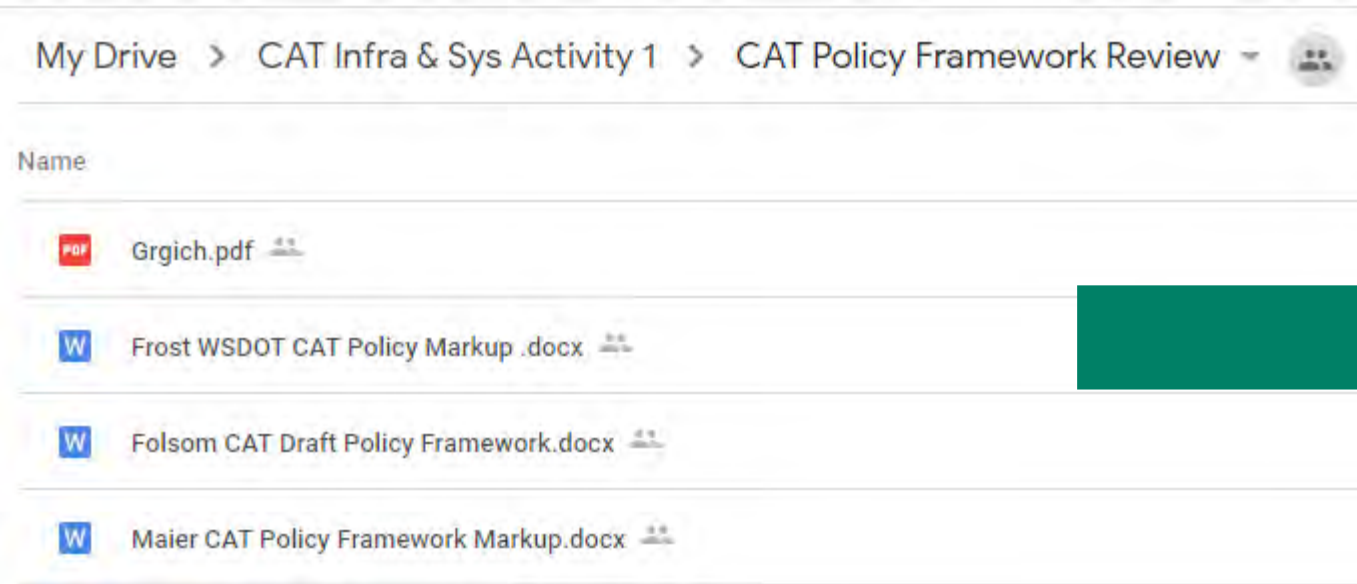


- ▶ Discussed at July call
- ▶ Mark-up
 - ▶ Policy Goal Statements
 - ▶ Strategies
 - ▶ Example Actions



4
**Marked-up Policy
Frameworks
Received**

CAT Policy Framework Revision Process



Aggregated for
webinar
discussion



+



+



=



**Original Draft
WSDOT CAT
Policy
Framework**

**Suggested
edits from
volunteer
group**

**Online
Discussion
and active
collaboration**

**Revised Policy
Goal
Statements**

Activity 1 Webinars

IdeaBoardz

Start typing to filter stickers

Welcome Francesca maier My Boards Export Logout

View Section All Sections created time

CAT Policy Framework

Organize for Innovation	Shared Mobility	Economic Vitality and Livability
<p>Flexibly and quickly adapt to changes in technology and transportation advancements. +0</p> <p>Enable agencies to quickly adapt to changing technology and accelerate decision-making. +1</p>	<p>Encourage and incentivize shared mobility, including an emphasis on high capacity transit and Mobility as a Service. +0</p> <p>Optimize transit in areas where it is most effective, and encourage collaboration with both the public and private sector to provide more cost-effective and flexible shared mobility services on lower-density routes. +0</p>	<p>Empower local partners to achieve their economic vitality and livability goals. +0</p> <p>Promote safe, efficient regional mobility to improve system efficiency and support local jurisdictions in achieving local needs. +0</p>
<p>Enable flexibility to quickly adapt to changes in technology and transportation advancements. +0</p> <p>Enable organizational change that empowers officials to be flexible to adapt to changing technology to accelerate decision-making. +6</p>	<p>Encourage and incentivize shared mobility, including an emphasis on high occupancy and shared modes for moving people and goods. +3</p> <p>Incentivize the movement of people and goods through cost-effective and reliable shared mobility services in both public and private sectors. +0</p>	<p>Promote safe, efficient regional mobility and empower local agencies to achieve the public's mobility needs. +1</p> <p>Empower local jurisdictions to determine how CAT deployment supports their unique development and local character. +0</p> <p>Promote safe, efficient regional mobility by preserving and empowering local agency autonomy to support the unique development and local character for moving people and goods that aligns the needs of work. +1</p>
Infrastructure and Context Sensitive Street Design	Land Use	Equity
<p>Safely and efficiently accommodate people with special transportation needs, pedestrians, bicyclists, public transportation, freight, and automated vehicles. +1</p> <p>Accommodate the movement of people and goods in ways that are appropriate for local contexts. +5</p>	<p>Encourage development of dense, vibrant, and transit-oriented communities in urban areas while preserving and enhancing rural and resource lands. +1</p> <p>Empower local jurisdictions to adopt sustainable land use policies and plans that support local trips on the local system and regional trips on the regional system. +0</p> <p>Encourage land use development patterns that support multimodal mobility of people and goods. +5</p>	<p>Use CAT to meet the needs of traditionally marginalized communities. +0</p> <p>Support policies that lower the cost of shared automated transportation services to facilitate competitive access to employment for everyone. +1</p> <p>Improve equitable access to safe, efficient, affordable mobility options for historically marginalized communities. +0</p>
<p>Safely and efficiently accommodate the movement of people and goods in ways that are appropriate for the roadway context considering the needs of all modes, businesses and land use patterns. +0</p> <p>Accommodate the movement of people and goods in ways that are appropriate for the roadway context considering the needs of all modes, businesses and land use patterns. +0</p>	<p>[This goal should be deleted and dealt with as a separate policy issue.] +0</p> <p>Empower local jurisdictions to adopt mobility policies that support their local and regional land use plans. +1</p> <p>Encourage land use development patterns that support multimodal mobility. +3</p> <p>Empower local jurisdictions to develop plans that allow people freedom of movement on all modes, including efficient automated transportation of people and goods. +0</p>	<p>Work with marginalized communities to increase the safety, availability, and efficiency of low-cost mobility options. +1</p> <p>Adapt/develop strategies that support the transportation needs of marginalized communities. +0</p> <p>Improve access and affordability of safe, efficient automated mobility options. +0</p>
Safety	Environment	
<p>Increase the safety and security of people and communities. +0</p> <p>Facilitate the safe movement of people and goods. +1</p>	<p>Enhance the environment with a focus on air quality. +0</p> <p>Minimize the local and cumulative environmental impacts of mobility options. +1</p>	<p>Rather than spreading the benefits around equally the goal should be to correct the problems with the existing system through the use of CAT. +0</p> <p>Partner with marginalized communities to support the transportation needs and safe and affordable mobility options. +0</p> <p>Work with marginalized communities to increase equitable access to safe, efficient and competitive mobility options. +6</p>
<p>Get existing infrastructure to a state of good repair so that CAT can be tested, deployed and operated safely. +0</p>	<p>Enhance the environment with a focus on air quality and energy conservation. +0</p> <p>Minimize the local and cumulative environmental impacts of mobility options, with a focus on air quality and energy conservation. +2</p>	<p>The deployment of CAT should reduce the environmental impact of the existing transportation system and focus on improving air quality and reducing emissions. +0</p> <p>Increase air quality and energy efficiency, and reduce the number of days with 'unhealthy' air quality status. +0</p> <p>Address the local and cumulative impacts of mobility. +1</p>

<https://ideaboardz.com/for/CAT%20Policy%20Framework/2904084>

Feedback from Working Group

- ▶ ACTION ITEM: Activity 1 team to include resiliency in the Economic Vitality and Livability (goal 3) and Environment (goal 8) goal statements
- ▶ ACTION ITEM: Activity 1 team to ensure reliability is included in Goal 6 Equity, and addressed as an overarching concept in policy framework document.
- ▶ ACTION ITEM: If any subcommittee member / meeting attendee thinks ‘security’ should be added back in to the Goal 7 language, contact Francesca Maier no later than August 23.

Edits since August Meeting



**Revised Policy
Goal
Statements**

**Feedback
from
Infrastructure
& Systems
Working
Group**

**Another look
with fresh
eyes by
Activity 1
Volunteers**

**Policy Goal
Statements
for I&S
Working
Group Vote**

Refining CAT Policy Goals

Objectives:

- Produce refined CAT Policy Goals for Infrastructure & Systems Subcommittee review from 8/30 and vote on 9/9.
- Maintain a record of the process and people involved in drafting the final goal statements presented to [the I&S subcommittee](#).

Instructions:

1. Read the current draft policy goal statement.
2. Read the current refined policy goal statement below the bullet points.
3. Add your rationale for suggested goal statement revisions in the bullet points, starting with your initials.
4. Refine the policy goal statement further using tracked changes.

1. **Organize for Innovation:** Enable organizational change that empowers officials to be flexible to adapt to changing technology to accelerate decision-making.

- **Action item:** Incorporate the concept of consumer protection/privacy in the goal statement
- **FM:** Suggest we reorder for grammar/ease of reading
- **FM:** Suggest we incorporate consumer protection/privacy in strategies as part of “adapt to changing technology.”

Organize for Innovation: Enable organizational change that empowers officials to be flexible, accelerate decision-making, and adapt to changing technology.

Opportunities to Edit Goal Statements

▶ Activity 1 Volunteers:

- ▶ Define the process (April - September)
- ▶ Mark up WSDOT Draft CAT Policy Framework (July)
- ▶ Participate in 2 webinars (August)
- ▶ Edit the IdeaBoardz (August)
- ▶ Discuss on monthly call (July, August)
- ▶ Discuss at Working Group meeting (August)
- ▶ Review and refine Goal Statements (August - September)
- ▶ Vote at Working Group meeting (September)

Goal 1: Organize for Innovation

WSDOT CAT Draft Policy Framework (12/2018)

Flexibly and quickly adapt to changes in technology and transportation advancements.

Revised: WA State CAT Policy Framework (8/2019)

Enable organizational change that empowers officials to be flexible to adapt to changing technology to accelerate decision-making.

Refined: WA State CAT Policy Framework (Current for vote)

Enable organizational change that empowers officials to be flexible, accelerate decision-making, and adapt to changing technology.

Goal 2: Shared Mobility

WSDOT CAT Draft Policy Framework (12/2018)

Encourage and incentivize shared mobility, including an emphasis on high capacity transit.

Revised: WA State CAT Policy Framework (8/2019)

Encourage and incentivize shared mobility, including an emphasis on high occupancy and shared modes for moving people and goods.

Refined: WA State CAT Policy Framework (Current for vote)

Incentivize high occupancy and shared modes for moving people and goods.

Goal 3: Economic Vitality and Livability

WSDOT CAT Draft Policy Framework (12/2018)

Empower local partners to achieve their economic vitality and livability goals.

Revised: WA State CAT Policy Framework (8/2019)

Promote safe, efficient regional mobility and empower local agencies to foster economic vitality and livability.

Refined: WA State CAT Policy Framework (Current for vote)

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

Goal 4: Infrastructure and Context Sensitive Street Design

WSDOT CAT Draft Policy Framework (12/2018)

Safely and efficiently, accommodate people with special transportation needs, pedestrians, bicyclists, public transportation, freight, and automated vehicles.

Revised: WA State CAT Policy Framework (8/2019)

Accommodate the movement of people and goods in ways that are appropriate for the context.

Refined: WA State CAT Policy Framework (Current for vote)

Promote durable physical and digital networks that enhance adjacent spaces.

Goal 5: Land Use

WSDOT CAT Draft Policy Framework (12/2018)

Encourage development of dense, vibrant, and transit-oriented communities in urban areas while preserving and enhancing rural and resource lands.

Revised: WA State CAT Policy Framework (8/2019)

Encourage land use development patterns that support multimodal development and efficient mobility of people and goods.

Refined: WA State CAT Policy Framework (Current for vote)

Encourage land use development patterns that support multimodal connectivity to efficient local and regional networks.

Goal 6: Equity

WSDOT CAT Draft Policy Framework (12/2018)

Use CAT to meet the needs of traditionally marginalized communities.

Revised: WA State CAT Policy Framework (8/2019)

Work with marginalized communities to increase equitable access to safe, efficient and competitive mobility options.

Refined: WA State CAT Policy Framework (Current for vote)

Work with marginalized communities to increase access to desirable mobility options.

Goal 7: Safety

WSDOT CAT Draft Policy Framework (12/2018)

Increase the safety and security of people and communities.

Revised: WA State CAT Policy Framework (8/2019)

Increase the safety of transportation systems and infrastructure to support the safe movement of people and goods.

Refined: WA State CAT Policy Framework (Current for vote)

Promote mobility options that reduce the rate of death and injury for individuals.

Goal 8: Environment

WSDOT CAT Draft Policy Framework (12/2018)

Enhance the environment with a focus on air quality.

Revised: WA State CAT Policy Framework (8/2019)

Minimize the local and cumulative environmental impacts of mobility options, with a focus on air quality and energy conservation.

Refined: WA State CAT Policy Framework (Current for vote)

Reduce the local and cumulative environmental impacts of mobility to improve air quality and mitigate climate change.

Next Steps

- ▶ Vote on Policy Goal Statements
- ▶ Continue working on Strategies & Illustrative Actions
- ▶ Mark up the WSDOT Draft CAT Policy Framework

