

# AV Safety Subcommittee

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WASHINGTON STATE  
AUTONOMOUS VEHICLE  
WORK GROUP



Washington State  
Transportation Commission

# Subcommittee Report

- Safety Subcommittee status update
- Discussion: Feedback on HB2470 language
- Recommendations
  - » Repeal portion of RCW on TV Screens
  - » AV Definition
  - » Interaction guide

# Safety Subcommittee status update



- Meetings
  - » Pivot with COVID-19
  - » Virtual monthly meetings
  - » Subject Matter Experts as guest speakers
    - Waymo and Chandler PD
- Subcommittee Organization
  - » Initiative to increase participation
  - » Voting changes
  - » Change in Co-chair

# Discussion: Feedback on HB2470 language



Feedback, not  
recommendation

## Washington State Autonomous Vehicle Work Group Subcommittee Discussion

<b>Subcommittee</b>	AV Safety Subcommittee
<b>Date of Meetings</b>	June 4 and July 23, 2020

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

The AV Work group Executive Committee asked all of the subcommittees to provide feedback on the language proposed in HB 2470. The feedback is organized by HB2470 sections and represents the various viewpoints of representatives on the AV Safety Subcommittee. It is a collection of feedback only and is not intended to be a recommendation of any specific action. Because the AV Safety Subcommittee has diverse membership and perspectives, some points of feedback may seem to conflict with others. The feedback is documented below.

# Recommendation: Repeal portion of RCW on TV Screens



- Joint effort with Licensing Subcommittee
- Recommend that the *first section only* of RCW 46.37.480 should be repealed

Voted YES

*(1) No person shall drive any motor vehicle equipped with any television viewer, screen, or other means of visually receiving a television broadcast when the moving images are visible to the driver while operating the motor vehicle on a public road, except for live video of the motor vehicle backing up. This subsection does not apply to law enforcement vehicles communicating with mobile computer networks.*

# Recommendation: Autonomous Vehicles Definition



- Executive Order (EO) 17-02 and HB 2676
- Define Autonomous Vehicles (AV)
  - » Automated vs. Autonomous
  - » SAE J 3016-2018
  - » Levels 4 and 5
- Similar to Licensing Subcommittee recommendation

Voted YES



## SAE J3016™ LEVELS OF DRIVING AUTOMATION

	SAE LEVEL 0	SAE LEVEL 1	SAE LEVEL 2	SAE LEVEL 3	SAE LEVEL 4	SAE LEVEL 5
What does the human in the driver's seat have to do?	You are driving whenever these driver support features are engaged – even if your feet are off the pedals and you are not steering			You are not driving when these automated driving features are engaged – even if you are seated in "the driver's seat"		
	You must constantly supervise these support features; you must steer, brake or accelerate as needed to maintain safety			When the feature requests, you must drive	These automated driving features will not require you to take over driving	
	These are driver support features			These are automated driving features		
What do these features do?	These features are limited to providing warnings and momentary assistance	These features provide steering OR brake/acceleration support to the driver	These features provide steering AND brake/acceleration support to the driver	These features can drive the vehicle under limited conditions and will not operate unless all required conditions are met		This feature can drive the vehicle under all conditions
Example Features	<ul style="list-style-type: none"> <li>• automatic emergency braking</li> <li>• blind spot warning</li> <li>• lane departure warning</li> </ul>	<ul style="list-style-type: none"> <li>• lane centering OR</li> <li>• adaptive cruise control</li> </ul>	<ul style="list-style-type: none"> <li>• lane centering AND</li> <li>• adaptive cruise control at the same time</li> </ul>	<ul style="list-style-type: none"> <li>• traffic jam chauffeur</li> </ul>	<ul style="list-style-type: none"> <li>• local driverless taxi</li> <li>• pedals/steering wheel may or may not be installed</li> </ul>	<ul style="list-style-type: none"> <li>• same as level 4, but feature can drive everywhere in all conditions</li> </ul>

Source: SAE

# Recommendation: Interaction Guide



- Law enforcement/first responder interaction plan
- Provided by the AV testing entity prior to driverless testing
- Consistent with requirements in other states: California and Arizona

Voted YES



Thank you!



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