

Autonomous Vehicle (AV) Briefing: Cruise Testing Permit and California PUC Rulemaking on AV Passenger Services



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Board Agenda Item #10

November 17, 2020

Emerging Mobility Guiding Principles



Safety



Transit



**Equitable
Access**



**Disabled
Access**



Congestion



Sustainability



**Financial
Impact**



Accountability



Labor



Collaboration



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AV Regulation in California



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DMV

Regulates the safe operation of AVs and provides approval to **test AVs on public roads** with and without drivers, depending on the permit received.

CPUC

Provides approval for AV companies to **provide passenger services** with and without drivers. Approval requires DMV permits.



DMV Driving Permits Available



- Testing with safety driver on public streets
- Testing without safety driver on public streets
- Deployment (vehicles with/without a safety driver can convey members of the public for a fee)

CPUC Passenger Service Permits



- Pilot testing passenger service with safety drivers
- Pilot testing passenger service without drivers
- Deployment (rules still under development)

CA DMV Driverless Testing Permit Holders

1. AutoX Technologies, Inc.
2. Cruise, LLC
3. Nuro, Inc.
4. Waymo, LLC
5. Zoox, Inc.



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Cruise DMV Driverless Permit

- DMV approval for driverless testing received October 15, 2020
- First company to test driverless vehicles in San Francisco
- Up to 5 vehicles operating on streets with posted speeds up to 30mph
- Day or night but not during times of heavy fog or rain



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Cruise DMV Driverless Permit - SF Coordination and Input

- Meetings with SFMTA, SFCTA, Mayor's Office and First Responders
- Conducted vehicle orientation for some SFPD and SFFD personnel
- Outreach to Board of Supervisors and some community groups
- Testing to start on less complex streets



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CPUC Proposed Decision for AV Passenger Service



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- Would establish goals and related data reporting requirements for future AVPS permittees (and for continuing pilot program)
- Would set requirements for permit applicants and permitting process
- Would require applicants to submit a Passenger Safety Plan for public review
- Would require permit applications to be approved by Commission in public process
- Would allow permittees to charge for service
- Would allow permittees to offer shared rides / 'fare splitting'

Hearing on proposed decision on 11/19/2020

CPUC Proposed Decision - Proposed Goals

1. Protect Passenger Safety
2. Expand benefits of AV technologies to all communities
3. Improve transportation options for all, particularly for disadvantaged communities and low-income communities
4. Reduce greenhouse gas emissions, criteria air pollutants, and toxic air contaminants, particularly in disadvantaged communities



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SFCTA/SFMTA Comments on Proposed Decision



- Include goal to ensure AVPS will provide **equivalent services to people with disabilities**, including wheelchair users
- Amend the application and **data reporting** requirements to allow effective assessment of permit holder performance in relation to the Commission's goals
- Retain process for **public input** on applications

Thank you.
Any Questions?

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