

California AV Program Overview

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September 25, 2012

Senate Bill 1298 authorizes DMV to regulate AV operations

September 16, 2014

First set of regulations governing AV testing with a driver on CA roads

April 2, 2018

Regulations for driverless AV & AV deployment

December 16, 2019

Regulations allowing autonomous delivery vehicles weighing <10,001 lbs

August 30, 2024

Release of draft regulations. The department received feedback on 10/14/2024

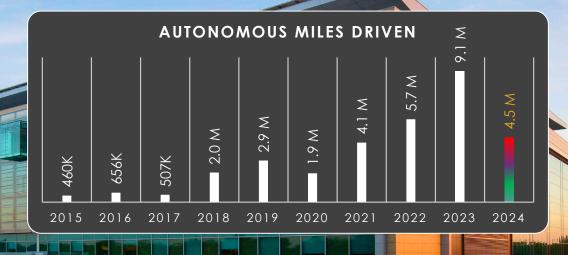
April 25, 2025

Proposed Regulations submitted for 45-day comment period

June 10, 2025

Public Hearing in San Francisco, CA

AUTONOMOUS VEHICLES PROGRAM OVERVIEW



30

MFRs authorized to test AV
WITH a driver

MFRs authorized to test AV
WITHOUT a driver

MFRs approved to DEPLOY AV on public roads

2,086

Active **DRIVERED** Vehicles

1,516

Active **DRIVERLESS** Vehicles

2,409

Active Test Drivers

dO18

705 /138

Drivered & Driverless Collisions

843

Grand Total of Collision Volumes

31 MILLION

Autonomous Miles Driven on CA public roads

REGULATIONS SUMMARY

Testing With a Driver

- Vehicles must meet Federal Motor Vehicle Safety Standards or have an approved exemption from the US DOT NHTSA
- Test driver requirements:
 - No DUI, not an at-fault driver in collision resulting in injuries
 - Successful completion of test driver training program
 - Employee, contractor, or designee of manufacturer
- Report any collision within 10 days
- Annual Report of Disengagements
- Testing permit valid for two years
- Vehicles excluded from testing:
 - > 10,001 lbs. GVWR
 - Motorcycles





REGULATIONS SUMMARY

Testing Without a Driver

- Same requirements as testing with a driver apply and include...
 - Communication link with the remote operator
 - Process to display or communicate vehicle owner or operator information to a law enforcement officer

- Meets the description of level 4 or 5 automated driving system
- Law Enforcement Interaction Plan
- No charging of a fee or receiving other compensation for providing a ride to members of the public





REGULATIONS SUMMARY

Deployment





- Full description of ODD
 - Restrictions
 - How vehicle responds when outside ODD
 - Must comply with all CVC and local regulations
- Summary of technology testing in ODD
 - Number of vehicle test miles
 - Description of testing methods
 - Collision details while operating in Autonomous
 Mode
- Compliance with FMVSS
- Data Recorder
 - Cyber-security
- Certify consumer protections are in place
 - Recalls
 - Technology and mapping updates
 - End user manuals and education
- Law Enforcement Interaction Plan

2024 Mercedes-Benz EQS 450+



2024 Mercedes-Benz Maybach S680



POST PERMITTING CONTROLS

Suspension or Revocation

The Department can suspend or revoke a deployment permit if the manufacturer's vehicles are determined not safe for the public's operation.

The Department can suspend or revoke a testing permit (driverless and safety driver) for any act or omission the department finds makes the conduct of autonomous vehicle testing on public roads by the manufacturer an unreasonable risk to the public.

If suspended/revoked, a manufacturer shall address the deficiencies which led to the suspension/revocation.

Since 2014, DMV has issued **3** orders of revocation and **13** orders of suspension to manufacturers.



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