

# California AV Program Overview

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# AUTONOMOUS VEHICLES PROGRAM OVERVIEW

**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 MILES DRIVEN**



**30**

MFRs authorized to test AV  
WITH a driver

**6**

MFRs authorized to test AV  
WITHOUT a driver

**3**

MFRs approved to DEPLOY  
AV on public roads

**2,086**

Active **DRIVERED** Vehicles

**1,516**

Active **DRIVERLESS** Vehicles

**2,409**

Active Test Drivers

**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.

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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.

# Contact Information

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