



Autonomous Vehicles in California

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California Legislation – Senate Bill 1298

As soon as practicable, but no later than Jan. 1, 2015, DMV must adopt regulations setting forth requirements for:

- Manufacturers' *testing* of autonomous vehicles on public roadways
 - Approved May 19, 2014
 - Effective September 16, 2014
- *Operation* of autonomous vehicles on public roadways
 - Currently under development



Statewide Steering Committee



Testing Regulations Summary

- \$5 million in insurance, bond, or self-insurance
- Test drivers: no DUI, not an at-fault driver, and no more than 1 point
- Successful completion of test driver training program
- Employee, contractor, or designee
- Seated in driver seat during testing
- Report any accident within 10 days
- Report unanticipated disengagement of autonomous technology
- Testing permit valid for one year
- Vehicles excluded from testing:
 - Commercial vehicles
 - > 10,000 lbs GVW
 - Motorcycles

Approved Testing Permits



Mercedes-Benz



TESLA MOTORS



BOSCH
Invented for life



Approved Testing Permits

- 48 autonomous vehicles approved for testing
- 227 approved test drivers



3 test vehicles, 30 test drivers



Mercedes-Benz

3 test vehicles, 12 test drivers



23 test vehicles, 131 test drivers



2 test vehicles, 9 test drivers



TESLA MOTORS

12 test vehicles, 16 test drivers



BOSCH
Invented for life

2 test vehicles, 12 test drivers



3 test vehicles, 17 test drivers

Regulatory Package 2: Operation on California Public Roadways

- Contract with UC Berkeley for recommendations
- Workshop held on January 27, 2015
 - Discussion on safety standards
- Specify if vehicle is capable of operating without a driver inside
- Disclose the designed areas of operation
- Submission of data from testing program
- Sensor data recorded 30 sec prior to collision
- Disclosure to occupants that data not necessary for safe operation of vehicle is being collected
- \$5 million in bond, or self-insurance
- NHTSA Level 4 vehicles issued distinct special license plate
- No special driver license requirement
- Other requirements are currently being vetted

Questions

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