

# Autonomous Vehicles in California

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**AUTOMATED VEHICLES**  
**SYMPOSIUM 2014**  
*DRIVERS. VEHICLES. INFRASTRUCTURE.*

**SYMPOSIUM:** 15-17 JULY 2014  
**ANCILLARY MEETINGS:** 14 & 18 JULY 2014  
HYATT REGENCY SAN FRANCISCO AIRPORT

## 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
- *Operation* of autonomous vehicles on public roadways

## Autonomous Vehicles

### Statewide Steering Committee

- California State Transportation Agency
- California Department of Insurance
- California Highway Patrol
- California Office of Traffic Safety
- California Department of Transportation
- California Department of Motor Vehicles
- National Highway Traffic Safety Administration

# Regulatory Package 1: Manufacturers' Testing

- Two pre-notice workshops
- 45-day public comment period
- Formal public hearing
- 15-day public comment period
- Regulations approved and adopted in May 2014
- Effective on September 16, 2014

## 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

# Regulatory Package 2:

## Operation on California Public Roadways

- Contract with UC Berkeley for recommendations
  - March 11 pre-notice workshop
  - Available for 45-day public comment period shortly
  - Formal public hearing
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- Assignment of violations
  - Definition of operator
  - Operational and deployment restrictions
  - Operator license requirements
  - Other feasible regulations
  - Target date of December 2014

## Operational Regulations Summary (Draft)

- Expected to be available for public comment in July
- Public hearing after 45 days
- Specify if vehicle is capable of operating without a driver inside
- Disclose the designed areas of operation
- Submission of data from testing program
- Functional safety
- Sensor data recorded 30 sec prior to collision
- Disclosure of recorded data not necessary for safe operation of vehicle
- \$5 million in bond, or self-insurance
- NHTSA Level 4 vehicles issued distinct special license plate
- No special driver license requirement

## Outreach Efforts

- Meetings with manufacturers, suppliers, and industry
- Presentations to government and interested parties
- Social media
  - LinkedIn group
  - Reddit discussion
  - Facebook, Twitter, and YouTube
- DMV website and blog
- Traditional media
- Industry meetings
- Working groups across jurisdictions



# Questions

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