

The Road to Self-Driving – Overcoming Regulatory Obstacles

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38,300

2,300,000

6,100,000

\$871 Billion

94% of Fatal Crashes Are
Caused by Human Error

36,002 (2,298)

2,162,000 (138,000)

5,734,000 (366,000)

\$819 Billion (\$52 B)

Self-Driving Business Case

Safety

Economic

Convenience

Accessibility

Transforming Parking, Law Enforcement,
Traffic Management, Transportation
Planning, Community Planning and
Development, Health Care, Work,
Entertainment, Other modes

Innovation is Outpacing
Regulation

Patchwork of State Law:

23 States and 53 Bills
Regulating Self Driving

Federal Motor Vehicle Safety Standards (FMVSS) Needs a Major Re-Write to Accommodate Autonomous Driving

286 References to Human Drivers

Eliminating Human Control Features run afoul of 1/3rd of FMVSS and half of the 100 Series (crash avoidance) standards

A National Framework for Self-Driving Led out of Office of Science and Technology Policy (OSTP)

- Coordinate among DoT, NIST, FTC, FCC;
- National policy on liability and testing;
- Guide Interaction with Standards Orgs;
- Promote restraint by federal, state and local governments;
- Harmonize Insurance regulators;
- Guide security and privacy; and
- Propose Policies to Speed Development and Deployment of Self-Driving.

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