
Autonomous Vehicle Technology A Guide For Policymakers Rand Transportation Space And Technology Program

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Autonomous Vehicle Technology - RAND Corporation

xiv Autonomous Vehicle Technology: A Guide for Policymakers Promise and Perils of Autonomous Vehicle Technology AV technology has the potential to substantially affect safety, conges-tion, energy use, and, ultimately, land use Conventional driving imposes not only costs borne by the driver

Autonomous Vehicles: A Guide For Policymakers

This study explores autonomous vehicle technology, its likely timeline for implementation, and strategies for aiding its adoption Part 2 provides a brief explanation of autonomous vehicles and where the technology currently stands Part 3 is a brief history of autonomous vehicle development, which has been ongoing for some 50 years

2019 Buyers' Guide - Autonomous Vehicle Tech

Autonomous Vehicle Technology is excited to launch our buyers guide this August Distributed in three ways - in our print and digital edition, digitally to eNews subscribers and online to our monthly browsers - this powerful industry resource will provide sources for ...

Autonomous Vehicles - National League of Cities

Autonomous Vehicles: A Policy Preparation Guide 1 The development of autonomous1 vehicle (AV) technology has recently shifted into overdrive This

rapid escalation has been signaled by major partnerships and acquisitions between tech firms and traditional automakers as they all aggressively pursue a technological edge in

Autonomous Vehicle Technology: How to Best Realize Its ...

ing legislation A RAND report, *Autonomous Vehicle Technology: A Guide for Policymakers*, by James M Anderson et al, examines the technological advances in this area, their benefits and risks, and the potential effects of various regulations—as well as the absence of regulation—on the development of this technology The authors

Autonomous Vehicles: US Legal and Regulatory Landscape

The company plans to use autonomous technology to operate its trucks on Florida highways, relying on remote operators in Jacksonville center to guide the trucks from the beginning to the end of their journey Florida has made inroads in other segments of the AV industry as well—with microelectronics company

Self-Driving Technology and Autonomous Vehicles: A Whole ...

Autonomous Vehicle Technology - A Guide for Policymakers," Rand Corporation, 2014 5 The Mercedes-Benz Future Truck 2025 study provided a long-distance truck at the 2014 International Commercial Vehicle show (IAA) In ten years' time, they predict that trucks could be driving autonomously on motorways

Issues in Autonomous Vehicle Testing and Deployment

reauthorization bill could become a focus of efforts to also enact autonomous vehicle legislation Advances in Vehicle Technology While fully autonomous vehicles may lie well in the future, a range of new technologies is already improving vehicle performance and ...

The Autonomous Vehicle Revolution

THE AUTONOMOUS VEHICLE REVOLUTION: FOSTERING INNOVATION WITH SMART REGULATION empowers innovators and consumers to choose the technologies that will guide future transportation paradigms 2 One current challenge is the perceptions of autonomous vehicle safety as the technology is still

NHTSA Federal Automated Vehicles Policy

tory framework and best practices to guide manufacturers and other entities in the safe design, development, testing, and deployment of HAVs In the following pages, we divide the task of facilitating the safe introduction and deployment of HAVs into four sections: • Vehicle Performance Guidance for Automated Vehicles • Model State Policy •

Autonomous & Automated Guided Vehicle Systems

The market adoption for autonomous and automated guided vehicle systems varies considerably by industry sector This report covers AGV (Automated Guided Vehicle), AMR (Autonomous Mobile Robots), Load Transfer Positions & Handling Equipment, Guide Track, Data Communication, and Vehicle Management Systems for indoor applications

Issues in Autonomous Vehicle Deployment

Issues in Autonomous Vehicle Deployment Congressional Research Service 3 Technologies that could guide an automated vehicle (Figure 1) include a wide variety of electronic sensors that would determine the distance between the vehicle and obstacles; detect

Autonomous Cars: Past, Present and Future A Review of the ...

autonomous vehicle technology for the past, present, and future We see a drastic change in autonomous vehicle technology since 1920s, when the

first radio controlled vehicles were designed

Autonomous Vehicles: A Public Regulatory Policy Guide

Autonomous vehicle manufacturers should demonstrate, before widespread deployment, a certain level of security to prevent jamming and hacking
 Recommendation 9: Training/Operational Licensing Autonomous vehicle manufacturers should provide training and operational support beyond the regular driver's license for levels of autonomy 1, 2 and 3

DRIVING TOWARDS DRIVERLESS

autonomous vehicles could increase lane capacity (vehicles per lane per hour) by up to 500 percent⁹ Connected vehicle technology is being developed concurrently with automated vehicle technology, although the relationship between the two is still being determined A driverless vehicle uses technology that

Connected and Autonomous Vehicles and the Boston MPO - ...

Outreach to the Planning Community, will guide us as we incorporate CAV concerns into our planning practices Connected and autonomous vehicle (CAV) technology has the potential to change transportation patterns dramatically in the Boston region and the nation Equipping passenger, freight, and transit vehicles with this technology could

ChAPTer FOur Brief History and Current State of Autonomous ...

58 Autonomous Vehicle Technology: A Guide for Policymakers State of Autonomous Vehicle Technology As of March 2013, Google alone had logged more than 500,000 miles of autonomous driving on public roads without incurring a crash attrib - utable to the technology 1 Numerous technological breakthroughs have

ChAPTer TwO The Promise and Perils of Autonomous Vehicle ...

14 Autonomous Vehicle Technology: A Guide for Policymakers in fatalities of about 29 percent Still, the fact there were more than 32,000 fatalities on US roadways in 2011 shows that considerable safety improvements are necessary Fatalities from car and light truck occupants were about 21,000

Torts of the Future: Autonomous Vehicles

driving technology will share the roads and responsibility and control over driving decisions Therefore, as the Brookings Institution's Center for Technology Innovation found in a 2014 study, there will be "complex questions of liability shared by both the human driver and autonomous vehicle technology ...