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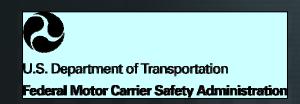
FMCSA Research and Technology

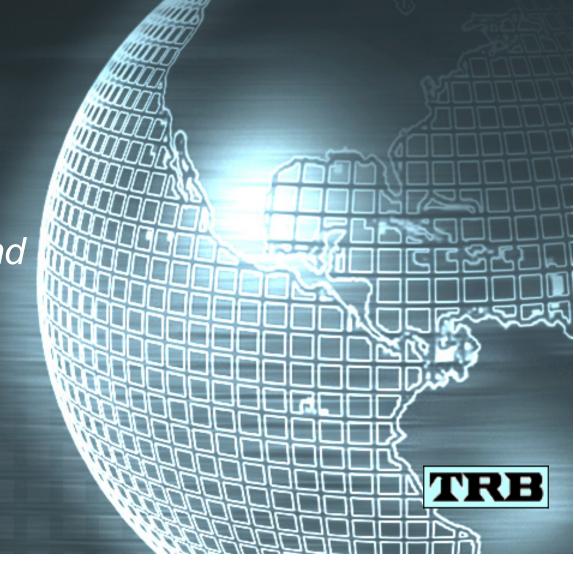
5-Year Strategic Plan

Overview

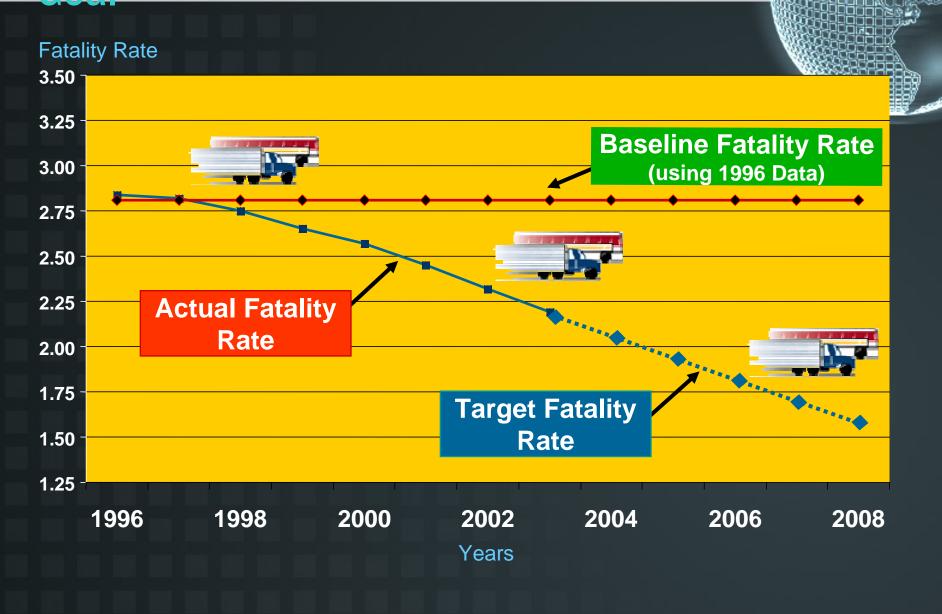
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Director
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Strategic Plan Supports FMCSA Safety Goal



Vision

A research and technology program that leads to the reduction of commercial motor vehicle-related crashes, fatalities, injuries, and losses, and enhances operational efficiency.

Our Mission

In support of our vision, we

- Conduct systematic studies directed toward fuller scientific discovery, knowledge, or understanding
- Adopt, test, and deploy innovative driver, carrier, vehicle, and roadside best practices and technologies

Guiding Principles

- We support FMCSA and DOT goals
- We are customer focused
- We conduct applied research and evaluate technologies
- We research, customers implement results
- We establish partnerships
- We support long-term research

Strategic Objectives

- Produce Safer Drivers
- Improve Safety of Commercial Motor Vehicles
- Produce Safer Carriers
- Advance Safety Through Information-Based Initiatives
- Improve Security through Safety Initiatives
- Enable and Motivate Internal Excellence

Produce Safer Drivers

Goal

Ensure that commercial drivers are physically qualified, trained to perform safely, and mentally alert

- CMV and non-CMV driver behavior
- Alertness and attentiveness
- Health and wellness
- Training and qualification
- CDL enforcement
- Assess state practices regarding commercial drivers' information

Improve Safety of Commercial Motor Vehicles

Goal

Improve truck and motorcoach performance through vehicle-based safety technologies

- Vehicle design
 - Safety belt design and use
 - Improve tires, conspicuity
 - Better car/truck compatibility
- Impact of new technologies
- Impact of physical road configuration

Produce Safer Carriers

Goal

Support efforts to improve carrier safety by communicating best practices, and supporting the agency's enforcement activities

- Improve carrier compliance reviews and truck inspections
- Evaluate better information and practices for carriers and shippers
- Expand CVISN
- Support carrier enforcement

Advance Safety through Information-based Initiatives

Goal

Conduct data-driven R&T initiatives to gain a greater understanding of rulemaking effectiveness, impact of enforcement activities, and crash causation

- Support regulatory and enforcement excellence
- Build on crash causation study
- Study industry trends
- Alternate approaches to measurement

Improve Security Through Safety Initiatives

Goal

Develop and implement safety initiatives that also have security benefits for truck and motorcoach operations

- Mitigate security risks through safety measures
- Improve the management of hazardous materials
- Prevent misuse of CMVs

Enable and Motivate Internal Excellence

Goal

Improve performance to serve the customers of the Office of Research and Technology more effectively and economically

- Ensure performance of the research and technology program
- Ensure quality of the research and technology program
- Ensure relevance of the research and technology program

Performance Metrics

Used to evaluate program and measure achievement

- Output metrics
- Outcome metrics
- Impact metrics
 - Amount of industry and societal change

Applies President's Management Agenda Criterion

Integration of budget and performance



Performance Metrics

Output Metrics

- Number of R&T projects completed on-time, on-budget
- Number of reports and studies completed
- Number of prototypes developed and tested
- Number of awards received
- Number of rules, policies, and outreach programs initiated

Outcome Metrics

- Number of CMVs equipped with advanced safety technologies
- Number of carriers, drivers, states, etc. participating in R&T safety projects
- Results of customer and stakeholder feedback
- Results of peer reviews

Impact Metrics

- Number of CMVrelated fatalities per 100 million VMT
- **♦ Number of injuries**
- Number of crashes

Conclusion

- The Strategic Plan is intended to be a living document that provides a roadmap for future program development
- It will adapt to evolving circumstances and priorities and will be periodically updated
- It is constructed to be wide-ranging and thoughtprovoking
- The specific projects in which the Agency will engage are subject to budget availability and priorities
- FMCSA intends to share resources and ideas by partnering with other organizations

FMCSA R&T 5-Year Strategic Plan

R&T Forum attendees will be notified by email when the FMCSA R&T Strategic Plan is available.