



# BEYOND COMPLIANCE RESEARCH EFFORT – Update January 2022



# Introduction

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- Study Objective
  - To conduct research and develop recommendations for how a beyond compliance program could be structured in terms of -
    - The program framework,
    - Potential credit and incentive scenarios, and
    - Monitoring and evaluating a theoretical program

# Overview

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- Section 5222 of the FAST Act required FMCSA to allow recognition for motor carriers that -
  - Install advanced safety equipment
  - Use enhanced driver fitness measures
  - Adopt fleet safety management tools, technologies and programs
- The Act also requires FMCSA to carry out a Beyond Compliance Program including a process for identifying the basis for recognition, and to consider a monitoring program
- FMCSA led a study in response to the FAST ACT, through a project that included -
  - A Literature Review
  - In-depth interviews of nine high-performing carriers relating to safety best practices employed by the carriers
  - A formal survey of carriers to assess best practices
  - Development of a potential framework for a Beyond Compliance Program
  - Potential scenarios for CSA and SMS credits and other recognition and incentive programs
  - A recommended Program Management, Monitoring, and Evaluation Approach

# Literature Review

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- Key Findings
  - Advanced Driver Systems
    - Adoption is low but growing
    - Several systems can provide significant reductions in crashes
  - Speed Limiter Devices
    - Used by over 60% of carriers
    - Few empirical studies
  - Motorcoaches
    - Few studies available
  - Driver Behavior Management
    - Video-based onboard monitoring can reduce rates of safety related events
  - Fatigue Management
    - Monitoring and treatment for obstructive sleep apnea has been effectively used

# In-depth Interviews

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- High performing carriers that utilize safety best practices --
  - Create and lead a strong culture of safety
  - Hire highly qualified drivers and retain them
  - Train drivers and driver managers effectively
  - Manage safety performance actively
  - Leverage technology to enhance safe operations
- Most interviewed carriers expressed a desire for Beyond Compliance recognition to develop greater “trust” between FMCSA and participating carriers
- Conclusions
  - Results of carrier interviews were consistent with literature review findings
  - Interviewed carriers had high rates of adoption of advanced safety technologies and practices, and some had measured significant reductions in crashes from the use of the technologies
  - Driver behavior management was widely used among interviewed carriers

# Next Steps

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The below items are under FMCSA Review -

- Results of the formal survey of carriers to assess best practices
- Potential framework developed for a Beyond Compliance Program
- Possible scenarios for CSA and SMS credits and other recognition and incentives programs
- Suggested Program Management, Monitoring, and Evaluation Approach

# Questions/Discussion

