ASSE Z15.1: Structured Approach to Managing Fleet Risks

Presenters:
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TPS Open Call
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Injuries and fatalities from motor vehicle crashes:

- Often overlooked in Occupational Safety and Health programs
- OSHA doesn’t address formally in the regulations
- Confusion about applicability of fleet safety for regulated and non-regulated fleets
Why is workplace motor vehicle safety important?

• Crashes are the leading cause of U.S. work-related deaths

• 1st or 2nd leading cause in every major industry group

• Over 25,000 deaths 2003-2016

Source: Bureau of Labor Statistics, Census of Fatal Occupational Injuries
As severity increases, average crash costs increase by a factor of about 10.


Cost of motor vehicle crashes to employers – 2015
ANSI/ASSE Z15.1 – 2017
Safe Practices for Motor Vehicle Operations

- General: Scope, Purpose, Application and Definitions
- Management, Leadership & Administration
- Operational Environment
- Driver
- Vehicle
- Incident Reporting & Analysis
- Appendices
What does ANSI/ASSE Z15.1 cover?

• All types of licensed motor vehicles designed to be operated primarily on public roads
• Vehicles owned, leased or operated by organizations
• All types of fleets – regulated and non-regulated
• All size fleets in any industry
• Business or personal use of organizational vehicles

What’s excluded?

• Unlicensed equipment
• Off-road or recreational vehicles
Using ANSI/ASSE Z15.1

“Gap analysis” or self-audit of your program

Risk assessment for your company’s operations

Collision review and program review
Facilitate “buy-in”

Identify and engage key stakeholders:

- Fleet manager
- Owner
- Human resources
- Sales executives
- Drivers
- Supervisors
- Safety professionals
- Risk management
- External vendors
Plan the gap analysis

Review current fleet-related policies and processes:

- Driver selection, training, and performance management
- Vehicle selection, inspection, and maintenance
- Collision investigation and review
- Fleet performance metrics

Take a closer look:

- Talk with key stakeholders and vehicle users
- Look at the vehicles in your fleet: Do they meet operational and safety priorities?

Use a checklist to make sure that key topics are covered. Appendix K in the revised Z15.1 standard can help.
Let the Standard Guide Your Risk Assessment

• Management and Leadership
• Driver
• Vehicle
• Environment
Develop an Action Plan

Use gap analysis/self-audit results and metrics to define actions:

- Engage key stakeholders/champions
  - Review gaps & let them know what you need
- Assign responsibility
Measuring Success

Lagging indicators:
- Collisions per million miles
- % of fleet involved in an incident

Leading indicators:
- Behind-the-wheel (BTW) training provided
- Ride-alongs completed

Value-based indicators:
- Return on investment for interventions such as telematics and BTW training
Consider how motor vehicle crashes are typically investigated

The basics:

• Insurance adjusters seek to identify fault to determine compensability
• Claim costs are paid – vehicle, property damage, medical
Dig deeper…

Think about how other workplace incidents are managed.

Use the same techniques to:

- Identify root causes and proximate causes
- Gather information necessary to develop effective corrective and preventive actions
- Use data to understand leading sources of motor vehicle crashes at your company
Measuring and Monitoring is Key

Continual improvement is the goal:
• Review of data, program, processes, metrics
• What are root causes telling you?
• MVR, telematics... monitor your inputs
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PDC Session 597
Monday, June 4, 2018
4:30 – 5:30 pm

Put it on your PDC calendar!
Questions?

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