

OSC 10
Ohio Safety Congress & Expo

State and federal motor carrier update
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Tuesday, March 30, 2010 9:30 to 10:30 a.m.

What is CSA 2010?

- High priority safety initiative
- Increase efficiency & effectiveness – compliance/ enforcement
- Ultimate Goal: Achieve greater reduction in large truck and bus fatalities



Today's Model vs. CSA 2010 Interventions

Today's Model	CSA 2010 Interventions
Limited to compliance review (CR); complete review needed to rate carrier	Broad array of progressive interventions Warning Letters, Targeted Roadside Inspections, Focused Investigations (Off and On Site) Comprehensive Investigations
CR is resource intensive	Range of interventions commensurate with risk: varying resource requirements
CR assesses broad compliance through rigid set of acute/critical regulations	Interventions target unsafe behavior
Generally, audit approach	Investigative approach; casual factor analysis and remedies

Safety Measurement System vs. SafeStat

Today's Model SafeStat	CSA 2010's SMS
Organized in 4 broad categories – Safety Evaluation Areas	Organized by Behavior Analysis Safety Improvement Categories (7 BASICs)
Identifies carrier for a compliance review (CR)	Identifies safety performance problems to determine intervention level
Uses only out-of-service (OOS) and moving violations from inspections	Emphasizes on-road safety performance, using all safety-based inspection violations
No impact on safety rating	Used to propose adverse safety fitness determination based on carriers' own data
No risk based violation weightings	Risk based violation weightings
Assesses carrier only	Two distinct safety measurement systems - Carriers and drivers

New Measurement System: Safety Events Sorted by Behavior Analysis Safety Improvement Categories - BASICs

- Unsafe Driving (Parts 392 & 397)
- Fatigued Driving (Parts 392 & 395)
- Driver Fitness (Parts 383 & 391)
- Controlled Substances/Alcohol (Part 392)
- Vehicle Maintenance (Parts 393 & 396)
- Improper Loading/Cargo (Parts 392, 393, 397 & HM)
- Crash Indicator

Replacement of SafeStat with the New Carrier Safety Measurement System

Calculation of ISS-D Roadside Inspection	
Current Inspection Selection System	Carrier Safety Measurement System
Accident, Driver or Vehicle SEA > 75; or	Motor carrier performance in 7 BASICs will play role in inspection recommendation
Lack of Performance Data	May result in a broader segment of carriers recommended for inspection
Data available includes SafeStat Category and Individual SEA values	7 BASIC values rather than 4 SEA values should be available for viewing

Driver Enforcement Process

- Driver Safety Measurement System evaluates drivers over a 3-year period.
- Driver Safety Measurement System evaluates motor carriers over a 2-year period.
- Used to identify "high profile" drivers with overall poor safety history.

Driver Safety Enforcement Approach

- Focus on driver for serious rule violations
 - Driving while disqualified
 - Driving without a valid CDL
 - False entries on medical certificates
 - Committing numbers HOS violations
- Enforcement action on driver, also on carrier if determined responsible.

"Unsafe Driving" BASIC

- FMCSA's belief that driver behavior is one of the largest contributing factor in crashes.

"Unsafe Driving" BASIC Data

- Traffic violations noted on roadside inspections reports.
- Violation entered into driver's and carrier's "Unsafe Driving" BASIC.
- Not "warnings", "citations", "tickets" without roadside inspection report.

Unsafe Driving Violations

- Reckless driving
- Speeding
- Failing to stop at RR crossing, when required
- Failing to use caution for hazardous conditions
- Failing to use seat belt while operating CMV

"Fatigued Driver" BASIC

- Operating CMV while fatigued or ill.
- Track, measure and evaluate carrier and driver compliance with hours-of-service regulations.

“Fatigued Driver” BASIC Data

- Hours-of-Service violations noted on roadside inspection reports.
- Operating CMV while fatigue or ill.

“ Fatigue Driving” Violations

- Operating CMV when ill or fatigued
- Operating over hours
- General form and manner violations
- No logbook, when required
- False logbooks
- Log not current to last change in duty status
- Driving after placed out-of-service for an HOS violation

“Valuing” Violations

- Severity and Time Weighting.
- Severity based on violations relationship to crash causation ranging from 1 – 10.
- Time weight places more value to violations that have happened more recently:
 - Last 6 months = 3
 - 6 – 12 months = 2
 - Over 12 months = 1
- If the violation resulted in placing driver OOS, the severity weight is increased by 2.

Determining “Value”

- Severity weighting multiplied by time weighting.
- The severity weighting is increased by 2 if the violation resulted in placing the driver out-of-service.

Scoring Carriers – Unsafe Driving

- If carrier has more than 3 inspections that note a traffic violation, the value of all violations is totaled and divided by the number of power units.
- Generates BASIC Measure that allows all carriers to be compared to other carriers in “Peer Group”.
- Peer Group” based on number of power units.
- Intervention triggered when score above predetermined threshold.

Scoring Carriers – Fatigued Driving

- If carrier has more than 3 inspections with HOS violations, the value for all violations is totaled.
- Carrier compared to other carriers in “Peer Group”.
- Peer group is based on the total number of driver inspections.
- Intervention triggered when score above predetermined threshold.

Preparing for CSA 2010

- Roadside inspection oriented resulting on drivers' records.
- Driver violations and crash data scored in driver database.
- Develop roadside inspection and corrective action policies.
- Immediately report roadside inspection results. Procedures for correcting violations discovered.

Preparing for CSA 2010

- Pre Trip Inspections (Part 392)
- Driver-Vehicle Inspection Reports (Part 396)
- Accurate and valid medical certificates (Part 391)
- Valid CDLs (O.R.C. Title 45 and Part 383)
- Obey traffic laws (O.R.C. and Part 392)
- Seatbelt usage (Part 392)
- Drug and Alcohol Prohibition (Part 392)
- Railroad Grade Crossings (Part 392)
- Logbooks and Hours of Service (Part 395)