

Commercial Vehicle Section 2009 Crash Stats

Minnesota State Patrol



Reportable Crash Criteria

- Disabling damage requiring vehicle to be towed
- Personal injury requiring immediate treatment away from the scene
- Fatality



Total Crashes

2008

2511

2009

2114



Fatal Crashes

2008

63

2009

53



Serious Crashes

2008

38

2009

34



High Profile Crashes

2008

3

2009

4



Type of Crash

CMV vs. Non-CMV

2008

76

2009

62



Type of Crash

CMV vs. Pedestrian

2008

11

2009

14



Type of Crash

Single CMV

2008

15

2009

8



Type of Crash

CMV vs. CMV

2008

2009

2

2



Contributing Factors

CMV Driver

2008

25

2009

37



Contributing Factors

Non-CMV Driver

2008

62

2009

35



Trends

From 2008 to 2009, there were approximately 400 fewer reportable crashes in Minnesota.

While the number of fatal and reportable crashes have decreased, the number of crashes caused by the commercial driver has increased in the past year.





Federal Motor Carrier Safety Administration

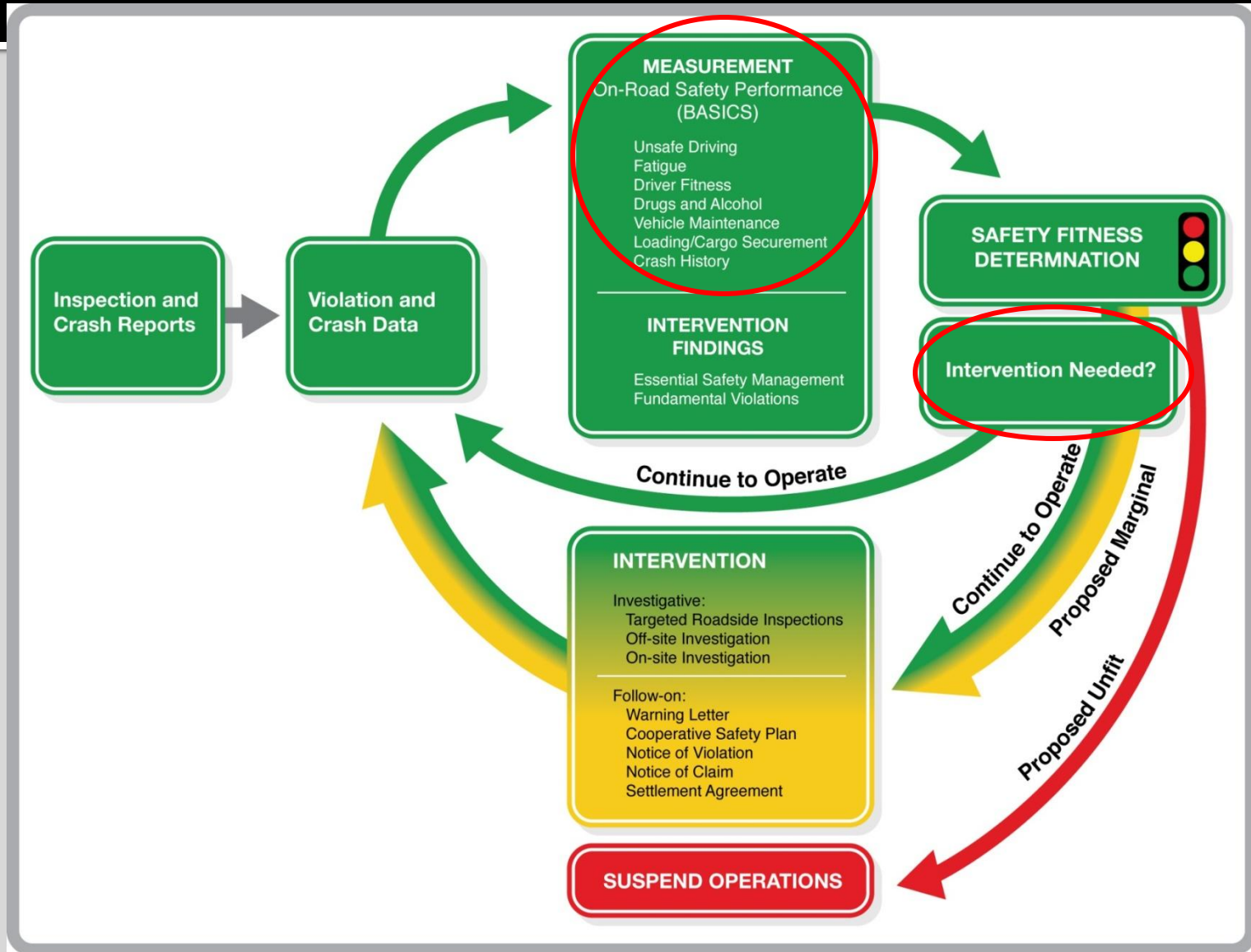
Comprehensive Safety Analysis

CSA 2010:

Ken Urquhart, Commander, MN State Patrol



CSA 2010 Operational Model



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

Behavioral Analysis & Safety Improvement Categories

BASICs for Carriers and Drivers

- Unsafe Driving
- Fatigued Driving
- Driver Fitness
- Drugs/Alcohol
- Vehicle Maintenance
- Improper Loading/Cargo Issues
- Crashes*



*Recordable (accountable) Crashes

Interventions

- Warning Letter
- Targeted Roadside Inspection
- Off-site Investigation
- On-site Investigation
- Cooperative Safety Plan
- Notice of Violation
- Notice of Claim
- Consent Agreement



The Nine Mile overpass across north-bound I-75 continues to smolder Thursday morning. Cargo Tank 07/15/2009

Entities

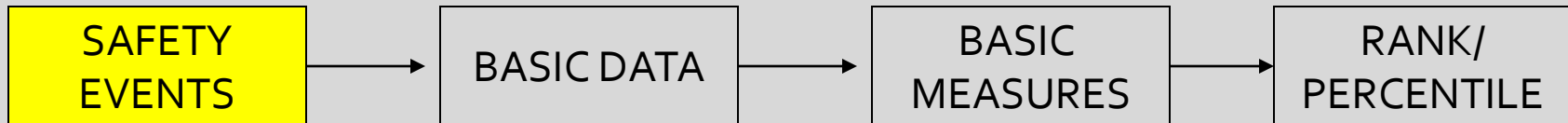
- Two measurement systems for CSA 2010:
 - Carrier Safety Measurement System (**CSMS**)
 - Driver Safety Measurement System (**DSMS**)
 - Potential to add additional measurement systems in the future



Safety Events

Safety Event Data Attributed to Entity

- Carrier Safety Measurement System (CSMS)
 - Includes 24 months of carrier on road safety performance
 - ~6.6 Million inspections
 - ~290,000 crashes
 - ~690,000 carriers
- Driver Safety Measurement System (DSMS)
 - Includes 36 months of driver on road performance
 - ~9.6 Million inspection records
 - ~440,000 crash records
 - ~3.6 Million drivers



Comprehensive Safety Information (CSI)

- Violations like size and weight (Cargo BASIC) and medical certificate violations (Driver Fitness) that were ignored in Safestat now count.
 - if a carrier has a pattern of these type of violations and their percentile is such that they are clearly generating these type of violations more than their peers with similar inspections, these carriers are going to identified in CSI.

On-Line Resources

- **CSA 2010 at**

- www.fmcsa.dot.gov
- <http://csa2010.fmcsa.dot.gov/>



DATA Q's

- <https://dataqs.fmcsa.dot.gov>

- **Your CSA 2010 information**

- <http://ai.fmcsa.dot.gov/csi>
 - Enter your dot # and your PIN number
 - Wealth of information (your scores, Methodology guidance)



BASIC – Crash Indicator

State post-crash inspection criteria updated

■ Old Criteria

- ❑ Combined property damage to vehicles of \$4400 or more
- ❑ Personal injury
- ❑ Fatality

■ New Criteria

- ❑ Disabling damage requiring vehicle to be towed
- ❑ Personal injury requiring immediate treatment away from the scene
- ❑ Fatality

DataQs/VISOR



- Vehicle Inspection Standards & Overall Review
- VISOR began long before DataQs
- Single point of contact
- Consistent, uniform disposition
- Link between carrier & inspector
- Source of feedback to assess policy & training needs



Contacts

MNSP District 4700
1110 Centre Pointe Curve, Suite 410
Mendota Heights, MN 55120
Phone 651-405-6171
www.dps.state.mn.us/patrol/index.htm

FMCSA MN
Galtier Plaza , 380 Jackson St Suite 500
St. Paul, MN 55101
Phone 651-291-6150 www.fmcsa.dot.gov

MNDOT OFFICE OF FREIGHT &
COMMERCIAL VEHICLE OPERATIONS
395 John Ireland Blvd
St. Paul MN 55155
Phone 651 215-6330
www.dot.state.mn.us/motorcarrier/

