

BASIC SAFETY STATUS

Get to know the data behind the FMCSA measure and score

BASIC Measure

This is the data used to create the BASIC score.

BASIC Measure is a calculated indicator of a motor carrier's performance. The measure is expressed as a decimal, such as 1.45 or 2.19.

Crash Indicator and **Unsafe Driving** are measured using the following equation:

$$\text{BASIC Measure} = \frac{\text{Total of time \& severity weighted applicable violations}}{\text{Average PUs} \times \text{Utilization Factor}}$$

Controlled Substances, Driver Fitness, HAZMAT, Hours of Service, and Vehicle Maintenance are measured using a different equation:

$$\text{BASIC Measure} = \frac{\text{Total of time \& severity weighted applicable violations}}{\text{Total time weight of relevant inspections}}$$

Inspection Selection System (ISS)

The ISS guides safety inspectors and DOT officers while selecting vehicles for inspection. It is based on the motor carrier's safety performance data

With sufficient available data, the value is assigned from information derived from SafeStat results.

With little information on file, the ISS Inspection Value is based on an 'Insufficient Data Algorithm' which determines the inspection value by weighting the carrier size and the number of past inspections..

ISS Recommendations

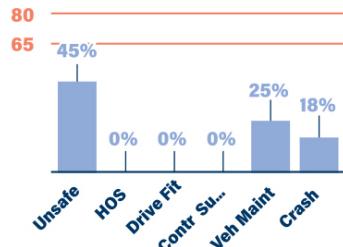
Inspect | 75-100
Inspection warranted



Optional | 50-74
Inspection Possible



Pass | 1-49
No Inspection
Warranted



BASIC Score

Once the BASIC Measure is calculated, the BASIC Score — an indicator of a motor carrier's performance, as compared to other carriers that have a similar number of safety events — can be found. The score is expressed as a percentile from 0–100%. The higher the score, the worse it is. The BASIC Score can also be referred to as a CSA Score or CAB Score.

$$\text{BASIC Score} = \frac{\text{Total carriers in safety event group below BASIC measure}}{\text{Total carriers in safety event group}}$$

$$\text{Avg. PU} = \frac{\text{PU Current} + \text{PU 6 months} + \text{PU 18 Months}}{3}$$

Alert Score Threshold

Gen	HM
Crash Indicator	65%
Unsafe Driving	65%
Controlled Substances	80%
Driver Fitness	80%
HAZMAT	80%
Hours of Service	65%
Vehicle Maintenance	80%

Notable Terms

BASIC: Behavior Analysis and Safety Improvement Category

CPDP: Crash Preventability Determination Program

PU: Power Unit

SMS: Safety Measurement System

VMT: Vehicle Miles Traveled

Combination Carrier

Trucks/motor coaches make up 70% or more of the total PUs in the motor carrier's fleet.

Safety Event Group

A subset of motor carriers that have a similar number of safety events. Group definitions vary for each BASIC Score.

Straight Carrier

Trucks/other vehicles constitute more than 30% of the total PUs in the motor carrier's fleet.

Time Weight

Within 6 months = 3

Within 6–12 months = 2

Within 12–24 months = 1

Inspection Levels

1. Full

2. Walk-Around

3. Driver-Only

4. Special Study

5. Terminal

6. Hazardous Material

99. Invalid