



Profiles in Data Sharing

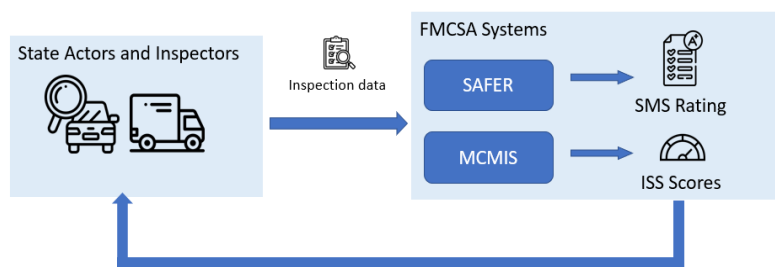
Data Sharing Working Group

ROADSIDE INSPECTION DATA: SAFETY MANAGEMENT SYSTEM AND INSPECTION SELECTION SYSTEM

To ensure that only safe commercial motor vehicles (CMV) are operating on U.S. roadways, in 2009, USDOT's Federal Motor Carrier Safety Administration (FMCSA) established a data exchange system between state and federal government agencies to prescreen CMVs entering the US. To facilitate this work, FMCSA collaborates with state partners who conduct North American Standard inspections of CMVs and drivers.

Data from these inspections is uploaded to FMCSA's inspection information systems, which provide a near real-time view of recent inspections of a CMV or driver. By obtaining and analyzing the results of CMV inspection data, FMCSA assesses the safety performance of motor carriers and formulates Safety Measurement System (SMS) ratings and Inspection Selection System (ISS) scores to determine whether motor carriers are safe for operation.

- **SMS ratings** are used to prioritize investigations of motor carriers deemed to be unsafe. These ratings are publicly available to assist shippers in selecting a motor carrier.
- **ISS Scores** are used by state partners to assist in focusing inspection activities on carriers that have previous inspection defects or no inspection history.



Through these ratings, unsafe carriers are targeted for full investigations and possible enforcement action. As a result of this data sharing effort, the number of CMV crashes and fatalities has decreased.

Lessons Learned



Need for systematic data matching: Accuracy in matching the inspection data with the correct motor carrier is vital. Due to past matching issues, FMCSA had to institute another system, DataQs, which allows for information corrections.



Standardization for efficiency: Strong business rules on the collection and timely submission of the data were critical to ensure the SMS/ISS algorithms are calculated accurately.

Primary Stakeholders

Federal Motor Carrier Safety Administration (USDOT)

Customs & Border Patrol (DHS)

State partners

Points of Contact

Daniel Morgan

daniel.morgan@dot.gov

Share Your Story

[Submit new data sharing examples here.](#)

