



CRASH REPORT
HAZARDOUS MATERIAL SECTION
All LVHM Vehicle(s)

LVS. Trailer Model(s)

51 First Trailer Behind Tractor

Model 1
 Not Applicable (Flat or truck with no trailing units)
 Unknown (Information unavailable)

52 Second Trailer Behind Tractor

Model 2
 Not Applicable (Flat or truck with no trailing units)
 Unknown (Information unavailable)

53 Third Trailer Behind Tractor

Model 3
 Not Applicable (Flat or truck with no trailing units)
 Unknown (Information unavailable)

LVE. Trailer Model Year(s)

54 First Trailer Behind Tractor

Year 1
 Not Applicable (Flat or truck with no trailing units)
 Unknown (Information unavailable)

55 Second Trailer Behind Tractor

Year 2
 Not Applicable (Flat or truck with no trailing units)
 Unknown (Information unavailable)

56 Third Trailer Behind Tractor

Year 3
 Not Applicable (Flat or truck with no trailing units)
 Unknown (Information unavailable)

LVT. Motor Carrier Identification

57 Identification Type

01 US DOT Number
02 State Number
57 Not Applicable
99 Unknown/Unable to Determine

58 Country/State Code

Non-US Country Code (e.g. Mexico or Canada)
US State Code

59 Identification Number

US DOT Number - up to 7 digits, right justified
If not a US DOT Number, include State Issued Identification Number and State

60 Name

Motor Carrier Name
61 Motor Carrier Address

Street Address 1
62 Street Address 2

City/State/Zip

Country

63 Type of Carrier

01 Interstate Carrier
02 Intrastate Carrier
03 Not in Commercial Operation
04 Not in Commercial Operation - Truck or Bus

Large Truck Crash Reporting and MMUCC 5th Edition

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Funding Agency: Federal Motor Carrier
Safety Administration

Agenda

Background



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graph TD; A[Background] --> B[Project Goals]; B --> C[Assessment Methodology]; C --> D[Preliminary Findings];
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Project Goals

Assessment Methodology

Preliminary Findings

Background: Model Minimum Uniform Crash Criteria (MMUCC)

Voluntary data
collection
guideline

Encourage greater
crash reporting
uniformity

Background: Large Vehicles and Hazardous Materials

- Large Vehicles and Hazardous Material (LVMH) Section
 - Added to MMUCC 5th Edition
 - Enhance crash data already collected and used by FMCSA
 - Incorporates elements on up to three trailing units



Project Goals

Project 1: The overall goal of the project is to determine the extent to which the CR-3 meets the MMUCC 5th edition recommendations for the CMV sections, as well as areas for improvement.

Project 2: The overall goal of this project is to improve adherence to MMUCC through identifying both barriers and best practices to integrating MMUCC recommendations for Large Vehicles and Hazardous Materials which will result in the development of recommendations for states to use as they make changes to their crash reporting forms.

Why?

Reviewing existing crash forms
allows us to:

Identify attributes and elements
that partially align that could be
modified to meet MMUCC
recommendations

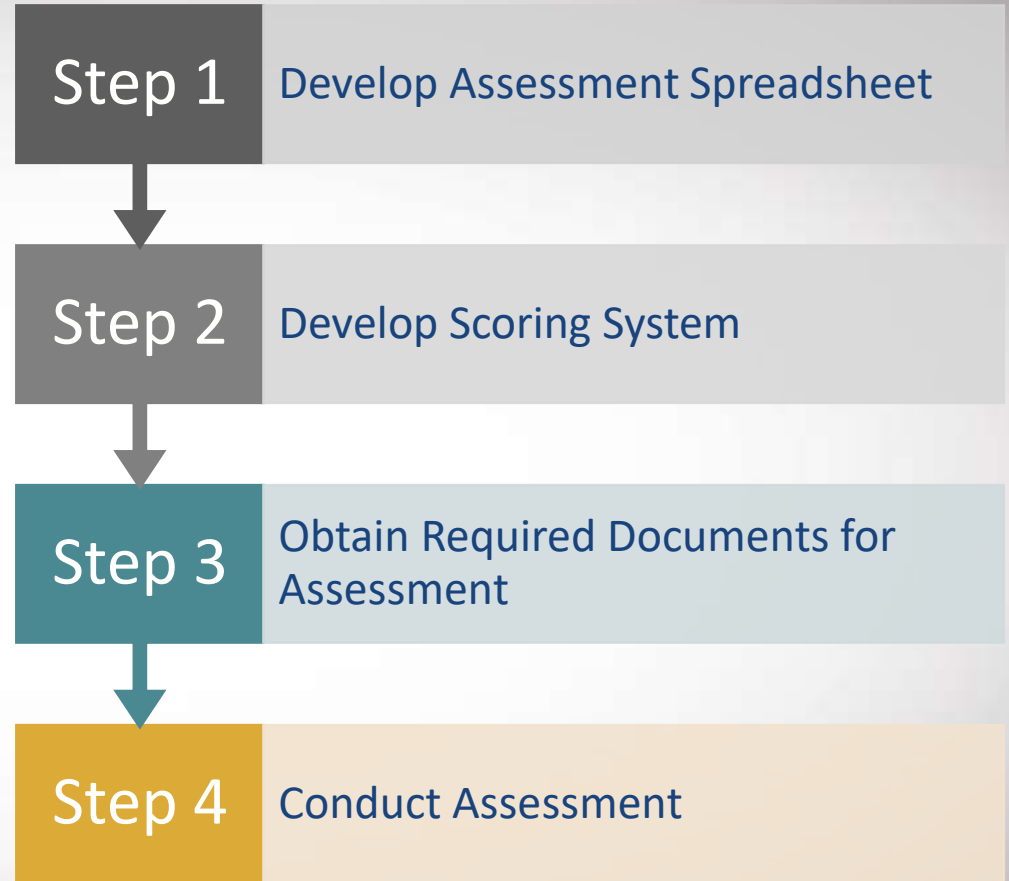
Identify existing attributes and
elements that align with MMUCC
to make recommendations for
other states



Why?

Improving and expanding
CMV data collected on
police crash reports
through increased
implementation of
MMUCC

Protocol



Step 2: Develop Scoring System

$$\text{Traditional MMUCC Score} = \frac{\text{Number of Attributes for State Element that Map to MMUCC Element}}{\text{Total Number of MMUCC Attributes for Element}} \times 100$$

$$\text{Modified MMUCC Score} = \frac{\text{Number of Attributes for State Element that Map or Partially Map to MMUCC Element}}{\text{Total Number of MMUCC Attributes for Element}} \times 100$$

Step 3: Obtain Required Documents for Assessment

Police Crash Form

Crash Report Overlays

Instruction Manuals

Police Instruction Manual

State Crash Data Dictionary

Step 4: Conduct Assessment

Two independent reviewers separately
conduct assessment independently

Follow rules in Section 2.2 Mapping Rules in
MMUCC Guideline Model Minimum Uniform Crash
Criteria Fifth Edition

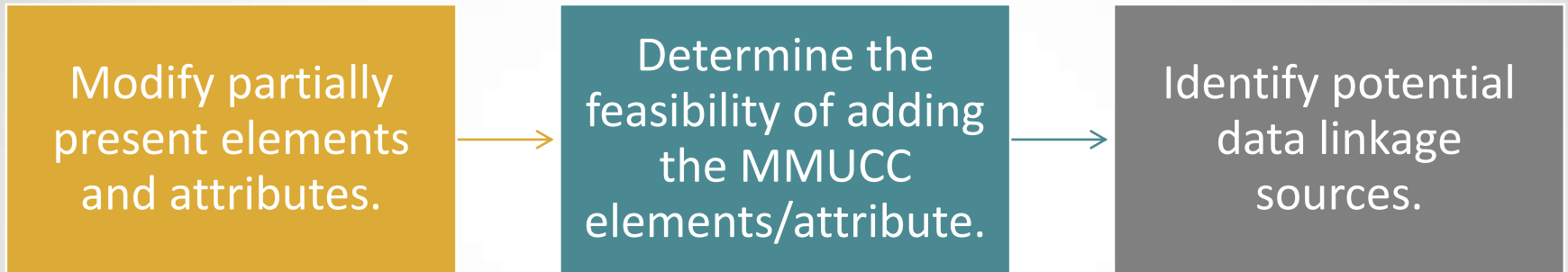


Two independent reviewers and at least
a third reviewer meet to align
assessments and confirm there are no
discrepancies

Preliminary Findings

Data Element/Attributes	Traditional Score	Modified Score
CMV License Status and Compliance with CDL Endorsements	0%	13%
CMV License Status	0%	5%
Compliance with CDL Endorsements	0%	30%
Trailer License Plate Number	0%	75%
First To Third Trailer behind Tractor	0%	75%
Trailer VIN(s)	0%	67%
First To Third Trailer behind Tractor	0%	67%
Trailer Make(s)	0%	67%
First to Third Trailer behind Tractor	0%	67%
Trailer Model(s)	0%	67%
First To Third Trailer behind Tractor	0%	67%
Trailer Model Year(s)	0%	67%
First to Third Trailer behind Tractor	0%	67%

Recommendations: Texas





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