

CSA★2010

Comprehensive Safety Analysis

BASICs to Roadside ISS 2010 Update

CVSA

Anaheim, CA

September 2010





★ Agenda

- CSA 2010 Model and Implementation Schedule Update
- BASICs to Roadside
 - ISS Methodology/Algorithm
 - Training

★ Implementation Schedule Update

August 2010:

- Carrier **SMS** Data Preview
 - New carrier assessments includes enhancements to system
 - Available only to Enforcement and Carriers to view their own data
 - Available on the CSA 2010 Outreach website

★ Implementation Schedule – Dec 2010

- **SMS results** available to public
 - **Prioritize work** based on SMS
 - **Warning Letters issued** to carriers with deficient BASICs
 - **ISS Algorithm updated** to identify carriers for inspection based on SMS
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★ Implementation Schedule – Dec 2010

- Integrate **four key components** into the CR

#1: Focused Compliance Reviews to reach more carriers

– **Review deficient BASICs, and:**

- CDLIS checks, Authority, Insurance, Red Flag Driver Investigations
- Select candidates receive Drug and Alcohol Supplemental Review

– **Full CRs required 4 or more deficient BASICs**

- Including special cases (i.e. Passenger Carriers)

★ Implementation Schedule – Dec 2010

#2: Direct Notices of Violation (NOV)

For carriers deficient in Driver Fitness BASIC only

#3: Red Flag Driver

Process to increase driver focus

#4: Performance Based Sampling

Using Driver Safety Measurement System (DSMS) to increase driver focus and improve carrier investigations

★ Implementation Schedule – Dec 2010

Training for Key Concepts in December

- **In person training** with State Partners and Divisions
 - 1-2 per Service Center
 - Scheduled for Oct/Nov
 - Managers/DAs/Enforcement
 - **Webinar training** for Safety Investigators in Nov
 - Supplements Managers training
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★ Implementation Schedule - 2011

- **Safety Fitness Determination**
 - Notice of Proposed Rulemaking (NPRM)
- **In person training for Managers/SIs**
 - Division and State Partners
 - *full* array of CSA 2010 interventions
 - Offsites, Cooperative Safety Plans (CSPs), Crash BASIC Investigation (CBI), Safety Management Cycle

A yellow-tinted photograph showing a semi-truck on the left and a bus on the right, both on a road. The background shows some trees and a cloudy sky.

Delivering BASICs to the Roadside Inspector

★ Delivering BASICs to the Roadside Inspector

In December 2010

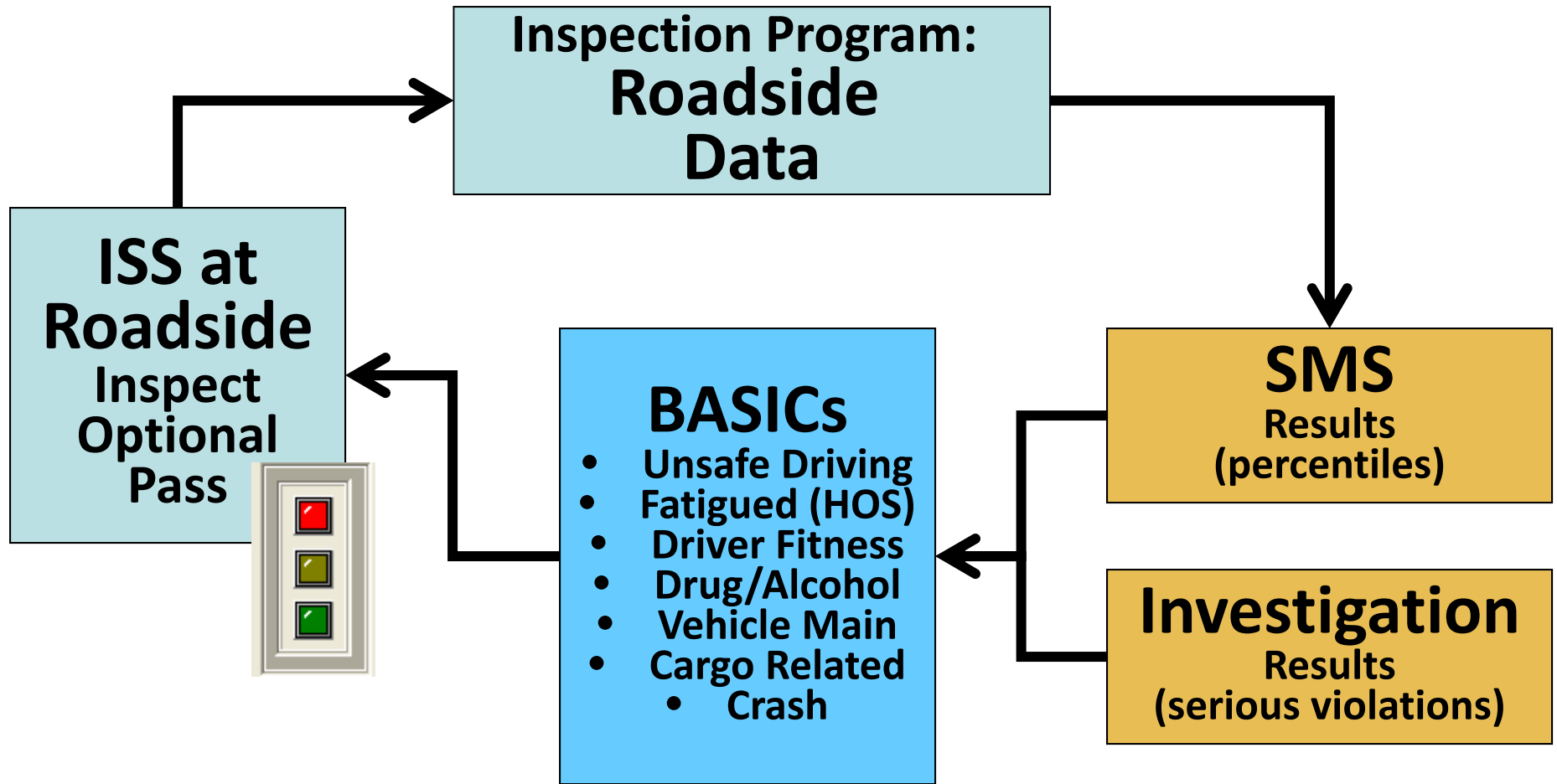
- New ISS algorithm implemented
 - Business rules of the algorithm are expected to be available on or about September 30.
 - ISS and Query Central will be updated
 - CVIEW transaction files will be modified to reflect deficient BASICs
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★ ISS Algorithm



- Inspection recommendations will be driven by BASICs
- Objectives of new ISS algorithm
 - Monitor carriers with roadside deficiencies
 - Monitor carriers with serious violations discovered during investigations
 - Prioritize carriers with higher crash rates (i.e. high risk)
 - Collect additional data on carriers without sufficient data for SMS
 - Prioritize by prior performance

★ ISS, Roadside Data and BASICS



★ New ISS

Evaluates carriers on three primary components:

- 1. Safety** - Identification of carriers with unsafe vehicles and/or operators
 - Uses SMS results
 - 2. CSA 2010 investigative results**
 - Supports safety performance monitoring
 - 3. Data Sufficiency**
 - To collect data to evaluate carriers performance –
 - Incorporated safety component into this portion of methodology
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★ ISS Algorithm

- Provides a numeric value (1-100) that indicates an inspection recommendation for each company DOT#:
 - 1-49: Pass recommendation
 - 50-74: Optional recommendation
 - 75-100: Inspect recommendation
 - Officer discretion takes priority when making inspect/pass decision.
 - Considerations: resources available at station
 - Provides prioritization approach for inspection resources
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★ ISS Main Screen in December

ISS Inspection Selection System v2.13 - USDOT # 00000000

File Actions Help

Main BASICS Details Violation Details History

Carrier Search:
Search Type: **USDOT#** Number: **00000000** Search by Name

Carrier Information:
Name: **SOME INTERSTATE CARRIER**
DBA:
Street: **1234 MAIN STREET**
City: **LAKWOOD** State: **CO** Zip: **00000**
Phone: **(123)456-7890** Country of Domicile: **UNITED STATES**

Inspection Value:
85 Inspect

Expert:
Alert: This motor carrier may have an undeliverable address. Please inform the motor carrier they should submit an updated Form MCS-150 with their current address per 390.19 and 368.4 where applicable.

Inspection Value is based on Safety data. Data current as of 08/10/2010

★ ISS Details Screen in December

ISS Inspection Selection System v2.13 - USDOT # 00000000

File Actions Help

Main BASICS Details Violation Details History

BASIC Safety Information:

BASIC	BASIC Assessment	On-Road Performance	Investigation Deficient
Unsafe Driving	DEFICIENT	84.5	N/A
Fatigued Driving		28.2	N/A
Driver Fitness		Insufficient	N/A
Drugs and Alcohol		22.7	N/A
Vehicle Maintenance	DEFICIENT	35.8	YES
Improper Loading/Cargo		26.5	N/A
Crash Indicator		Insufficient	N/A
Insurance/Other			N/A

SMS Date: **6/2/2010** Last Investigation Date: **4/15/2010**

SOME INTERSTATE CARRIER

★ Query Central Displaying BASICS in December



CARRIER DETAIL

[Driver](#) | [Vehicle](#) | [Carrier](#)

[Help](#) | [Home](#) | [Log Off](#)

[Carrier Summary](#) | [Carrier Detail](#) | [Violation History](#) | [8 Past Inspection\(s\)](#) | [PRISM](#) | [Summary Report](#)

Inspection Value: 69 - OPTIONAL

Carrier Statistics

Vehicle OOS Rate:	25.00%	Inspections per Power Unit:	4.00
Driver OOS Rate:	0.00%	Inspections per Driver:	7.00
Total Inspections:	7	Inspections Involving HM:	
Safety Rating:	C	Number of Power Units:	1
Rating Date:	10/09/2002	Number of Drivers:	1

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★ Roadside Inspector Training

Webinar training for all Roadside Inspectors and Managers

- Recorded presentation will be posted online
 - Discuss
 - Importance of Roadside Inspector role in CSA safety program
 - Objectives of ISS & new algorithm
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Commercial Vehicle Information Systems and Networks (CVISN)

CVIEW T0031V3 and T0042P transaction files to include:

- **BASIC percentiles** from the CSMS
- **Deficiency indicator**
 - P = deficient due to CSMS percentile
 - I = deficient due to investigation that found serious violation
 - Y = deficient due to both percentile and investigation
 - N = not deficient
- **List of serious violations** that resulted in the “I”

★ State Preparation for CVIEW changes

“SAFER_docs” area of CVISN Collaboration site

- **12/3/09** - SAFER-CVIEW Interface (CSA2010 modification_508 PDF)
 - **5/13/10** - XML schema (T0031V3)
 - **5/13/10** – sample data file (T0031_20100416134451_1.ud)
 - **10/15/10** - SAFER changes coded, deployed into SAFER certification site
 - **10/18/10** - Testing initiated with States
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★ ASPEN: 392.2S speeding subsets

The screenshot shows the 'Violations' window in the ASPEN software. The window is titled 'Violations' and has a close button in the top right corner. It is divided into several sections:

- Sort By:** A menu with radio buttons for 'Driver', 'Vehicle', 'HazMat', 'Code', 'Standard', and 'Custom'. 'Standard' is selected.
- Violations by Category:** A tabbed interface with 'Violations by Category' and 'Violations by Code' tabs. 'Violations by Category' is active.
- Section Code:** A text input field containing '392.2'.
- Table:** A table with columns 'Section', 'OOS', and 'Violation Description'. The table lists various speeding violations for section 392.2.
- Current Violation:** A text area displaying '392.2 - Not an OOS violation. Speeding'.
- Buttons:** 'Save Custom', 'OK', and 'Cancel' buttons are located at the bottom.

Section	OOS	Violation Description
392.2	N	Speeding
392.2	N	Failure to yield right of way
392.2	N	Improper lane change
392.2	N	State/Local Laws - Speeding work/construction...
392.2	N	State/Local Laws - Speeding 15 or more miles...
392.2	N	State/Local Laws - Speeding 11-14 miles per ...
392.2	N	State/Local Laws - Speeding 6-10 miles per h...
392.2	N	State/Local Laws - Speeding 1-5 miles per ho...
392.2	N	State/Local Laws - Excessive weight - Posted ...
392.2	N	State/Local Hours of Service
392.2	N	Failure to pay UCR fee