



Transportation Roundtable

Lessons from Year One of the
CSA

Becky Roark
Helena Chemical Company



What is CSA?

A Safety Measurement System that:

- Uses crash records and ALL roadside inspection safety-based violations of COMMERCIAL MOTOR VEHICLES to determine carrier/driver safety
- Assigns weights to time and severity of violations based on relationship to crash risk
- Calculates safety performance based on seven BASICS
- Triggers the intervention process (eventually will feed Safety Fitness Determination)



What's a CMV?

49 CFR 383.5 Definition (partial)

Motor vehicle or combination of motor vehicles used in commerce to transport passengers or property if the motor vehicle:

- Has a gross combination weight rating of 26,001 pounds or more, inclusive of a towed unit with a gross vehicle weight rating of more than 10,000 pounds; OR
- Has a gross vehicle weight rating of 26,001 pounds or more; OR
- Is of any size and used to transport hazardous materials in a quantity requiring a placard.



Medium and Heavy

GVWR 26,001 lbs



GVWR 52,000 lbs



These drivers need...

- Commercial Drivers License with Proper Endorsements
- Medically Qualified/Medical Examiner Card
- Driver Qualification File
- Hours of Service/Logbook
- Vehicle Inspection
- Drug & Alcohol Testing
- Accident Recordkeeping Required



Medium Duty



GVWR 14,200 lbs





What's a CMV?

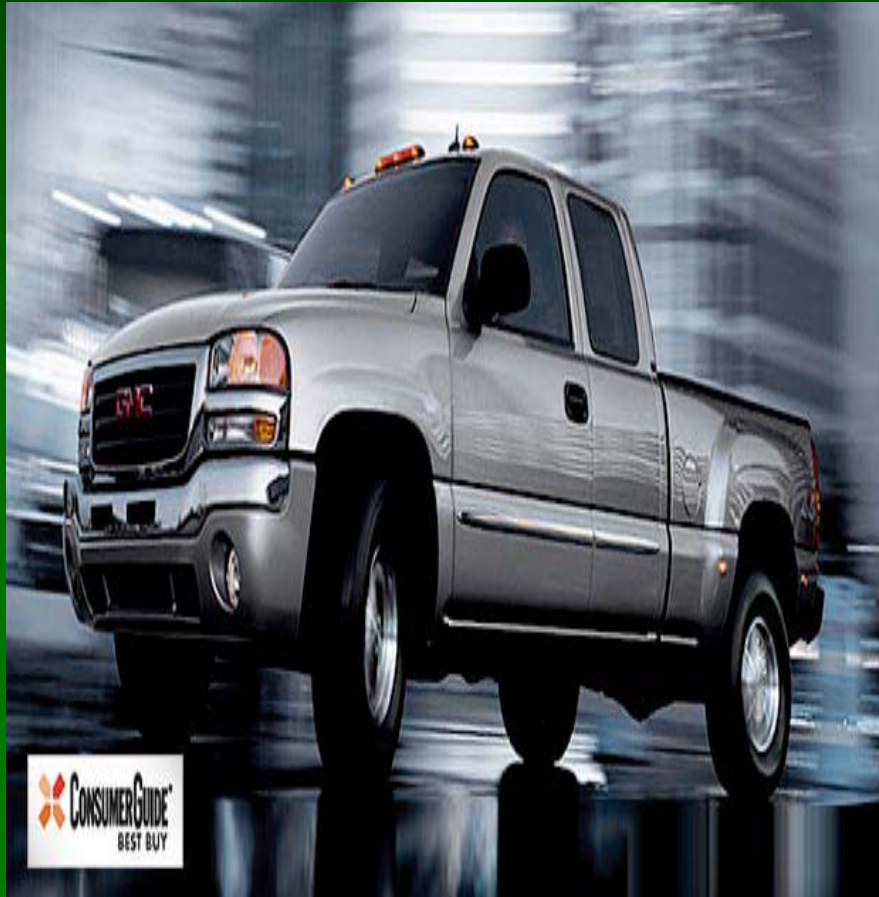
49 CFR 390.5 Definition (partial)

Means any self-propelled or towed motor vehicle used on a highway in interstate commerce to transport passengers or property when the vehicle:

- Has a gross vehicle weight rating or gross combination weight rating, or gross vehicle weight or gross combination weight, of 10,001 pounds or more, whichever is greater; OR
- Is used to transport hazardous materials in a quantity requiring a placard.



Light Duty





These drivers need...

- Driver Qualification File
- Medically Qualified/Medical Examiner Card
- Vehicle Inspection
- Accident Recordkeeping
- No CDL needed unless hauling hazmat requiring a placard
- No drug & alcohol testing



CSA Pointers

Select a BASIC below to view details

BASICs Overview
(Based on a 24-month record ending June 24, 2011)

	PERFORMANCE		BASICs Status
	On-Road	Investigation	
Unsafe Driving			
Fatigued Driving (Hours-of-Service)			
Driver Fitness			
Controlled Substances and Alcohol			
Vehicle Maintenance			
Cargo-Related			
Crash Indicator			

Unsafe Driving – speeding, reckless driving, etc. (intervention threshold $\geq 60\%$)



Unsafe Driving Examples

**49 CFR 392.2 –
Every commercial
motor vehicle must
be operated in
accordance with
laws, ordinances, and
regulations...if
FMCSR imposes a
higher standard of
care than law,
FMCSR must be
complied with.**

- Following too close
- Reckless driving
- Speeding 1-5 miles per hour over the speed limit
- Improper lane change
- Speeding 6-10 miles per hour over the speed limit
- Speeding 15 or more miles per hour over the speed limit
- Failure to obey traffic control device
- Failing to use seat belt while operating CMV
- Speeding



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Crash Indicator			

Fatigued Driving – hours of service, logbooks (threshold intervention 60%)



Fatigued Driving Examples



49 CFR Part 395

- *.8 – log violation (general/form & manner)
- *.8(a) – No record of duty status (RODS)
- *.8(e) – false report of drivers RODS
- *.3(a)(1) – driving more than 11 hours
- *.3(a)(2) – driving after 14 hours on duty



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Crash Indicator			

Driver Fitness – medical card, CDL, right endorsement, etc. (intervention threshold 75%)



Driver Fitness Examples



- 177.816 – hazmat driver training
- 383.23(a)(2) – operating a CMV without CDL
- 391.41(a) – no medical card in driver's possession
- 391.45(b) – expired medical card
- 391.49(j) – No medical waiver in driver's possession



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Crash Indicator		

BASICs Status

Controlled Substances/Alcohol – using alcohol within 4 hours of duty, DUI in CMV, etc. (intervention threshold 75%)



49 CFR Parts 382, 392.4, 392.5



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FEDERAL DRUG TESTING CUSTODY AND CONTROL FORM

■■■■■■■■■■

SPECIMEN ID NO. **0000001** ACCESSION NO.

STEP 1: COMPLETED BY COLLECTOR OR EMPLOYER REPRESENTATIVE

A. Employer Name, Address, I.D. No. B. MRO Name, Address, Phone No. and Fax No.

C. Donor SSN or Employee I.D. No. _____

D. Specify Testing Authority: HHS HRC DOT - Specify DOT Agency: FMCSA FAA FRA FTA PHMSA USOC

E. Reason for Test: Pre-employment Random Reasonable Suspicion/Cause Post Accident Return to Duty Follow-up Other (specify) _____

F. Drug Tests to be Performed: THC, COC, PCP, OPI, AMP THC & COC Only Other (specify) _____

G. Collection Site Address: _____

Collector Phone No. _____
Collector Fax No. _____

STEP 2: COMPLETED BY COLLECTOR (make remarks when appropriate) Collector reads specimen temperature within 4 minutes.

Temperature between 39° and 104° F? Yes No, Enter Remark _____

Collection: Split Single None Provided, Enter Remark _____ Observed, Enter Remark _____

REMARKS _____

STEP 3: Collector affixes bottle seal(s) to bottle(s). Collector dates seal(s). Donor initials seal(s). Donor completes STEP 5 on Copy 2 (MRO Copy)

STEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECTOR AND COMPLETED BY TEST FACILITY

I certify that the specimen given to me by the donor identified in the certification section on Copy 2 of this form was collected, labeled, sealed and released to the Delivery Service noted in accordance with applicable Federal requirements.

<p>Signature of Collector _____</p> <p style="text-align: right;">Date (Mo/Da/Yr) _____ Time of Collection _____ AM _____ PM _____</p> <p>RECEIVED AT LAB OR IITF:</p> <p>Signature of Acceptor _____</p> <p style="text-align: right;">Date (Mo/Da/Yr) _____</p>	<p>SPECIMEN BOTTLE(S) RELEASED TO:</p> <p>Name of Delivery Service _____</p> <p>SPECIMEN BOTTLE(S) RELEASED TO:</p> <p>Primary Specimen Bottle Seal Intact <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If NO, Enter remark In Step 5A. _____</p>
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STEP 5A: PRIMARY SPECIMEN REPORT - COMPLETED BY TEST FACILITY

NEGATIVE DILUTE POSITIVE for: Marijuana Metabolite (Δ9-THCA) 6-Acetylmorphine Methamphetamine MDMA

Cocaine Metabolite (BZE) Morphine Amphetamine MDA

PCP Codeine MDEA

REJECTED FOR TESTING ADULTERATED SUBSTITUTED INVALID RESULT

REMARKS: _____

Test Facility (if different from above): _____

I certify that the specimen identified on this form was examined upon receipt, handled using chain of custody procedures, analyzed, and reported in accordance with applicable Federal requirements.

Signature of Certifying Technician/Scientist _____ (PRINT) Certifying Technician/Scientist's Name (First, MI, Last) _____ Date (Mo/Da/Yr) _____

STEP 5b: COMPLETED BY SPLIT TESTING LABORATORY

<p>Signature of Certifying Scientist _____ (PRINT) Certifying Scientist's Name (First, MI, Last) _____ Date (Mo/Da/Yr) _____</p>	<p><input type="checkbox"/> RECONFIRMED <input type="checkbox"/> FAILED TO RECONFIRM - REASON _____</p> <p>I certify that the split specimen identified on this form was examined upon receipt, handled using chain of custody procedures, analyzed, and reported in accordance with applicable Federal requirements.</p> <p>Signature of Certifying Scientist _____ (PRINT) Certifying Scientist's Name (First, MI, Last) _____ Date (Mo/Da/Yr) _____</p>
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<p>■■■■■■■■■■</p> <p>0000001 SPECIMEN ID NO.</p>	A	<p>PLACE OVER CAP</p>	<p>0000001 SPECIMEN BOTTLE SEAL</p> <p>Date (Mo/Da/Yr) _____ Donor's Initials _____</p>
<p>■■■■■■■■■■</p> <p>0000001 SPECIMEN ID NO.</p>	B (SPLIT)	<p>PLACE OVER CAP</p>	<p>0000001 SPECIMEN BOTTLE SEAL</p> <p>Date (Mo/Da/Yr) _____ Donor's Initials _____</p>

COPY 1 - TEST FACILITY COPY

CMB No. 0300-1B

PRESS HARD - YOU ARE MAKING MULTIPLE COPIES

3000

Version C 4/18/2010



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Cargo-Related			
Crash Indicator			

Vehicle Maintenance –
brake adjustments,
lights, markings,
etc. (intervention
threshold 75%)



Vehicle Maintenance Examples

- Part 392 – Inspections
- Part 393 – Lamps, battery installation, equipped with brakes, warning signals, fuel tanks, windshield, emergency equipment, oil/grease leaks
- Part 396 – Periodic inspection, brake adjustments





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Cargo-Related		
Crash Indicator		

BASICs Status

Cargo-Related – load securement, hazardous material handling, etc. (intervention threshold 75%)



Cargo-Related Examples



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Crash Indicator – history or pattern of high crash involvement, including frequency & severity (intervention threshold 60%)



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