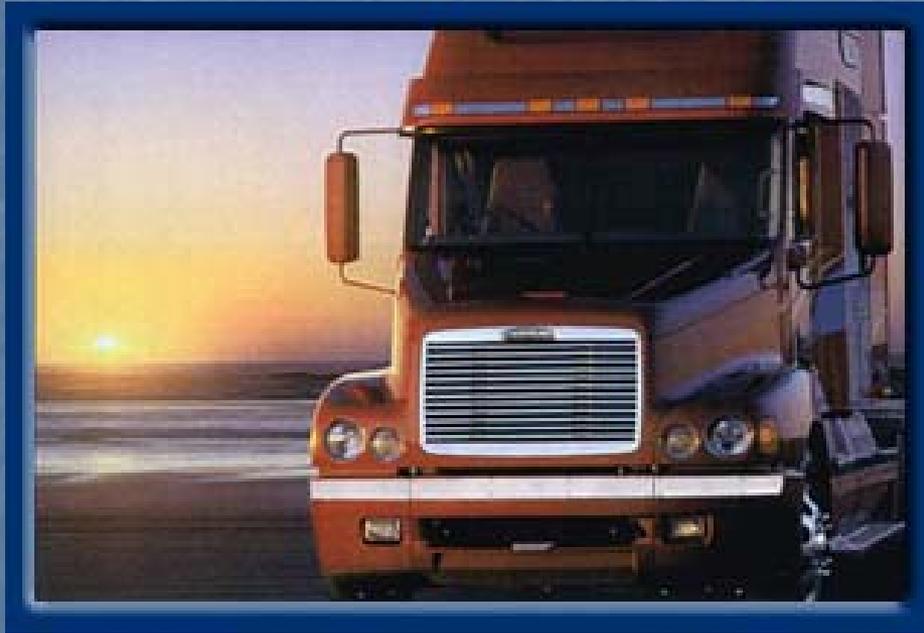


Research and Information Technology (MC-R) Update



Terry Shelton

Associate Administrator for
Research and Information
Technology

David Anewalt

Director, Office of IT and
Deputy CIO

DA Meeting
April 7, 2009

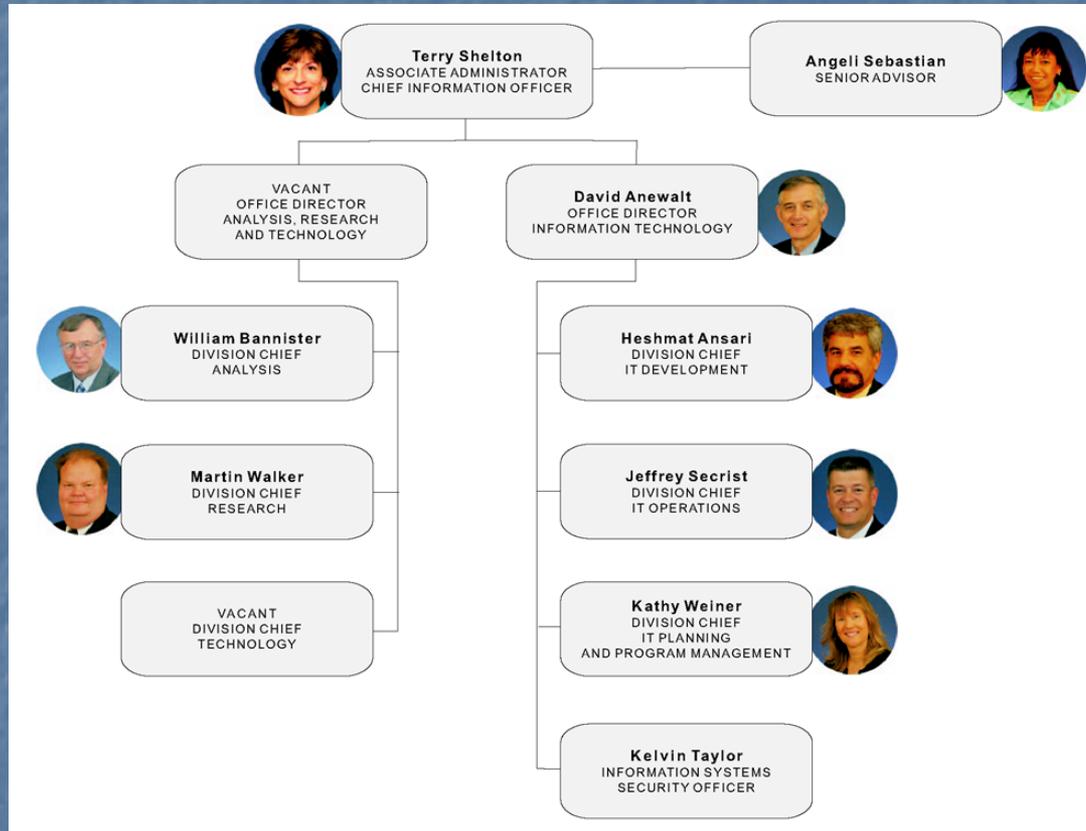


U.S. Department of Transportation
Federal Motor Carrier Safety Administration



Office of Research and Technology

Information



the statistical procedures employed in these projections were generated for each Region (NHTSA administrative Regions,

estimates in 2008 with the 2007 counts, as depicted in the map in Figure 4.

Figure 4: Percentage Change in Estimated Fatalities in 2008 From 2007 Fatality Counts, by NHTSA Region

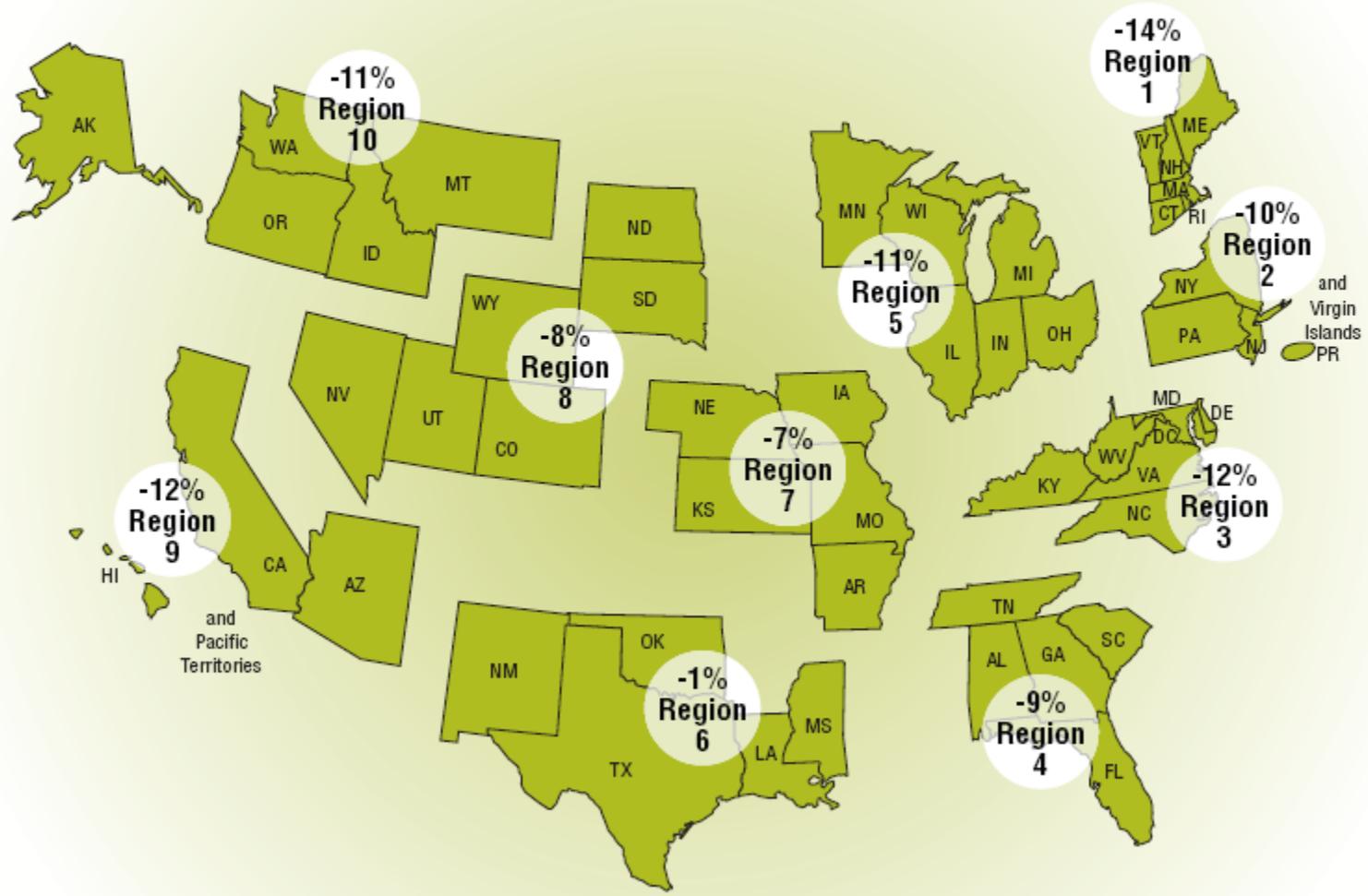


Table 2 depicts the counts and estimates underlying the per-

Table 2: Estimate of Fatalities in 2008 and Its Comparison

COMPASS

3,481 FMCSA and State Enforcement Personnel
1,392 Company Users

FMCSA Portal

Federal Motor Carrier Safety Administration

Welcome Ed Dunne-CAO [Change View](#) | [Log Out](#) | [Change Password](#)

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Available FMCSA Systems

- [A & I](#)
- [DataQs](#)
- [EMIS](#)
- [HMPPIP](#)
- [InfoSys](#)
- [L & I](#)
- [MCMIS](#)
- [Query Central](#)
- [SAFER](#)

Tasks

Anytown	Ocuser35 Thinker	01/01/2009	UPR
address	cie cluster	01/02/2009	UPR
Waldorf	test test	01/08/2009	ARF
cambridge	Nai Lian	01/08/2009	ARF
Cambridge	Jeff Mullen	02/20/2008	ARF
Arlington	Trainer Jones	02/29/2008	ARF
casdfasf	new16 user	03/31/2008	ARF
dfsadfsf	new17 user	03/31/2008	ARF
test c	new15 user	03/31/2008	ARF

Public Links

Quick Browse:

- [CNN](#)
- [CVISN](#)
- [L&I](#)
- [NRCME](#)
- [NTC](#)
- [bbc](#)

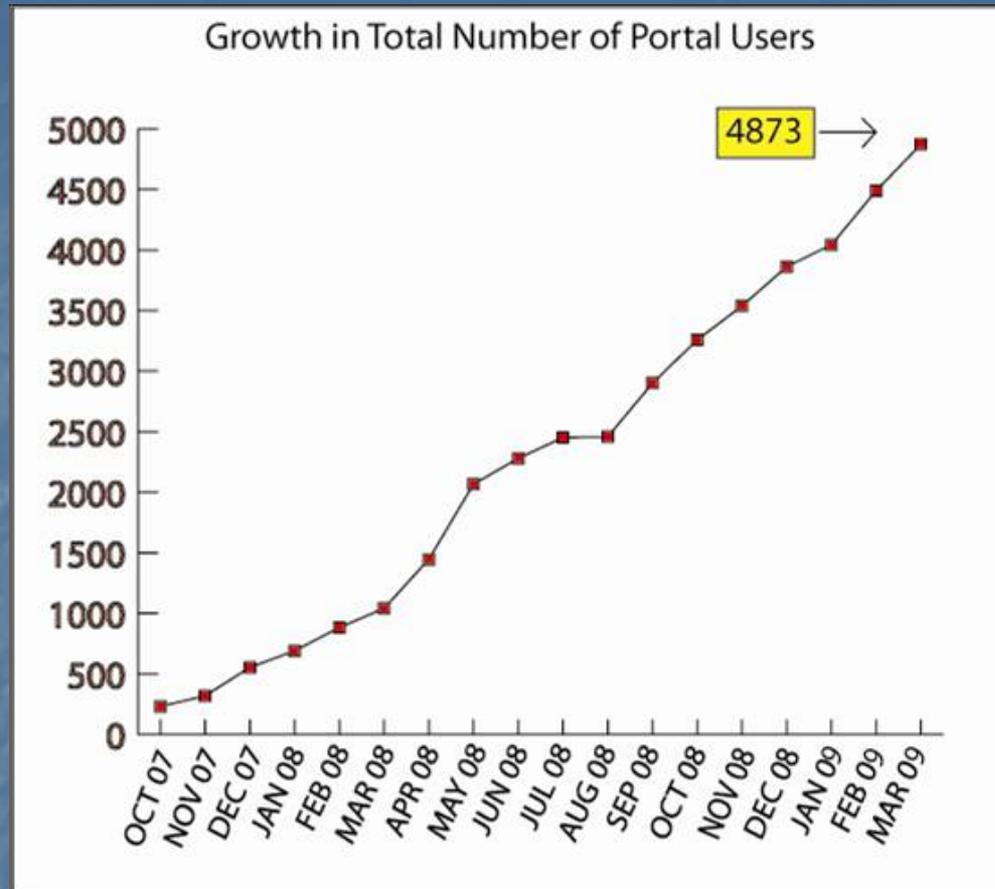
Url: Go

[Feedback](#) | [Privacy Policy](#) | [FirstGov.gov](#) | [Freedom of Information Act \(FOIA\)](#) | [Accessibility](#)
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This web site is currently certified to work with Microsoft Internet Explorer Versions 6 and 7 and Mozilla Firefox Version 2. FMCSA cannot guarantee full web site functionality unless one of the certified browser versions is used.

Application Release Date: January 08, 2009, 6:52 AM EST, Version: 2.1.3.2



3,481 FMCSA and State Enforcement Personnel
1,392 Company Users



Feedback from Portal Users

- “The recent changes have been a major improvement to the utility of using the system. This is exactly what we need the Portal to accomplish and is very valuable, probably more valuable than the internal systems have been to date.” – Jim Gregg, Florida Division Administrator
- “Ease of use with travel is a big benefit for me. It has been difficult with always having to be on a secure LAN. Now, it makes it easier for me when I am away from the office.” – Joel Hiatt, Director, SSC
- “The Portal changes have greatly increased the usefulness of the site to me, particularly the QC and A&I pass-through (SAFESTAT, DIR, etc). I think we'll see more use on the part of the State enforcement officers.” – Jon Dierberger, Tennessee Division Administrator
- “I thought the rollout went very smoothly. Congratulations.” – Max Strathman, Kansas Division Administrator



Feedback from Portal Users

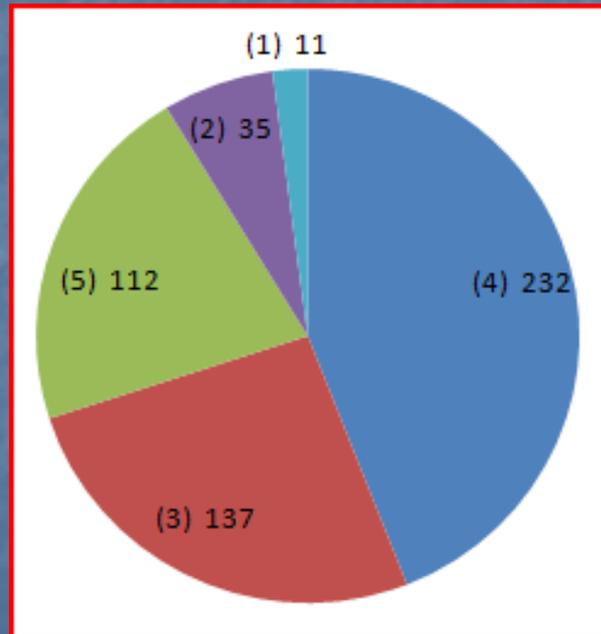
- “We love the new Portal and the ease of the process!!!!”
– **Tammy Lewis, Georgia Department of Public Safety, SAFETYNET Unit**
- “I think this Portal is a very, very good tool available to the companies. I wish the information from the inspections over the road was instant and one hour or so after the inspection was completed to see that our driver or truck passed the inspection. But overall, it is better than the monthly update of the carrier profile in SAFER.”
– **Alex Nikolov, Amerifreight Systems**
- “The Portal works great, provides good information, and is user friendly. It’s a good program.”
– **Barbra Warnick, State of Montana**

General Satisfaction with the Portal

How would you rate the FMCSA Portal in terms of general satisfaction?

Answer	Count	%
5 – Excellent	112	21 %
4	232	44 %
3	137	26 %
2	35	7 %
1 - Poor	11	2 %

} 65 %



WHAT COUNTS AS A CR?

Scott.valentine@dot.gov

Compliance Review (CR) Definitions

- Current definition
 - Includes only ratable CRs, including those in conjunction with a Cargo Tank Facility Review or Security Contact Review
- Proposed new definition
 - Includes all reviews conducted (CRs, CTFRs, Shipper Reviews, HHG Reviews, and other non-ratable reviews)
 - Excludes pure SCRs – which are counted in a separate performance measure

Proposed New CR Definition FY 2008

	Federal	State	Total
Current	9,639	5,976	15,615
New	11,084	7,000	18,084
Difference	1,445	1,024	2,469
% Difference	15%	17%	16%

Proposed New CR Definition FY 2008

Federal CRs	Current CRs	New CRs	Difference	% Difference
Eastern	2,037	2,534	497	24%
Midwestern	1,975	2,320	345	17%
Southern	3,150	3,495	345	11%
Western	2,477	2,735	258	10%

State CRs	Current CRs	New CRs	Difference	% Difference
Eastern	262	480	218	83%
Midwestern	2,759	3,201	442	16%
Southern	1,307	1,438	131	10%
Western	1,648	1,881	233	14%

Laptop Refresh

- Panasonic CF 52 NOTEBOOK
- Panasonic F8 NOTEBOOK



- Lenovo ThinkPad T400 NOTEBOOK
- Lenovo ThinkPad T500 NOTEBOOK





Laptops in the Field

- Status of new laptops
 - Service Centers will identify who needs what
- HQ will order and ship
- Volpe is no longer providing laptop support.
 - Please report issues to your Regional Systems Engineer.
 - Regional Systems Engineers provide the same quality of service that personnel have always received from Volpe and will arrange for any necessary replacement parts.

MCMIS CENSUS FILE CLEAN-UP

Betsy.benkowski@dot.gov



Census Registration File: Enhancements/New Activities

- 734,128 active carriers in MCMIS
- 30% have had no activity in the last 3 years
- 25% had undeliverable addresses

Help Desk

Monthly Totals of CoTs Calls: December 2008 – February 13, 2009

Month	Total Calls	Total Calls answered ¹	Number of calls left on voice mail ²	Avg. wait time (minutes/secs)
December	20,517	97%	3%	0:49
January	22,872	96%	4%	1:26
February (thru 2/13)	11,710	98%	2%	1:36

¹ The performance measure for answered calls is 95%

² The performance measure for calls going to voice mail is 5%

The number of calls referred to HQ and Division Offices for this time period was <1% of the total calls. Of those calls, 30% of these calls went to the Division Office, 50% to HQ, and 20% to Other.



Monthly Totals of CoTs Calls: December 2008 – February 13, 2009

The number of calls referred to HQ and Division Offices for this time period was <1% of the total calls. Of those calls, 30% of these calls went to the Division Office, 50% to HQ, and 20% to Other.

- 1% of total calls is 200 calls per month
- 30% of 200 calls is 60 calls per month to the field
- 2 calls per day spread among the field

Calls Referred by CoTs to the Field

- Oversize/overweight permits
- Trip permits
- How do I pay my fine?
- Data challenges (for those who can't, or won't, do DataQ's)
- Safety audits
- Hours of service
- Heavy vehicle use tax
- Inspector qualifications
- Please contact Jeff Secrist, Chief of IT Operations, at jeff.secrist@dot.gov with any questions or issues related to IT Operations.

A & I ENHANCEMENTS

<http://ai.fmcsa.dot.gov/>

A&I Interface (Reports)

FMCSA Home U.S. Department of Transportation What's New | Contact | Site Guide | A&I Data | Feedback

Analysis & Information Online
Federal Motor Carrier Safety Administration

Home SafeStat FMCSA Tools Crash Statistics Data Quality Program Measures NAFTA Stats Analysis Results

A&I Home > Safety Programs > Reviews > Safety Rating

Review - Compliance Review Activity by Safety Rating [Print](#) [Download Data](#) [Report Overview](#)

Domicile: All Domiciles Carrier Type: All Carriers

Report Focus: National State Comparison State Select State

Time Period: All Years Fiscal Calendar

Compliance Review Activity by Safety Rating for Fiscal Years 2004 - 2008

Safety Rating	2004				2005				2006				2007				2008			
	Fed	State	Total	Percent																
Satisfactory	4,388	2,099	6,487	57.13%	5,029	2,512	7,541	59.94%	6,439	2,993	9,432	62.09%	6,801	3,101	9,902	61.49%	2,729	1,396	4,125	57.16%
Conditional	2,287	690	2,977	26.22%	2,139	971	3,110	24.72%	2,433	1,081	3,514	23.13%	2,646	1,164	3,810	23.66%	811	393	1,204	16.68%
Unsatisfactory	695	158	853	7.51%	592	165	757	6.02%	609	157	766	5.04%	579	205	784	4.87%	148	72	220	3.05%
Not Rated	238	800	1,038	9.14%	221	951	1,172	9.32%	243	1,237	1,480	9.74%	220	1,388	1,608	9.99%	691	977	1,668	23.11%

This report is a summary of Compliance Reviews which include review types; Compliance Review, CR and Security Contact Review, and CR and Cargo Tank Facility Review. These reviews have been processed at the state level and entered into the Federal Motor Carrier Safety Administration's Motor Carrier Management Information System (MCMIS).

Data Source: FMCSA Motor Carrier Management Information System (MCMIS) 3/28/2008 data snapshot.

A&I Crash & Inspection Mapping

To create a map select from the options below and then click "Generate Map".

Map:

State:

Year Type: **Year:**

Vehicle Type:

Layers:

- State/County Names
- Major Roads
- Major Cities
- Location of Fatal Crashes

Large Trucks and Buses

- 0
- 1 - 10
- 11 - 25
- 26 - 50
- 51 - 100
- 101 - 200
- 201+

Roadside Inspections

- 1 - 500
- 501 - 1,000
- 1,001 - 2,500
- 2,501 - 5,000
- 5,001+

[Print Friendly Version](#)

Crash Statistics Mapping Tool

The Crash Statistics Mapping Tool allows users to query, display, print and download maps and data tables. For every query, results are provided in both map and table format.

MD: Large Trucks and Buses Involved in Fatal and Non-fatal Crashes and Roadside Inspection Activity (CY 2006)

[Help for Maps](#) [Downloadable Map](#) [Downloadable Table](#)

History Report: MD: Large Trucks and Buses Involved in Fatal and Non-fatal Crashes and Roadside Inspection Activity

COUNTY	Number of Large Trucks and Buses			Number of Roadside Inspections		
	2004	2005	2006	2004	2005	2006
ALLEGANY	24	23	22	629	1,317	828
ANNE ARUNDEL	104	146	170	3,892	4,199	4,582
BALTIMORE	322	286	307	7,130	9,162	8,174

A&I CVSP Toolkit

CVSP Toolkit - Windows Internet Explorer

https://ai.fmcsa.dot.gov/CVSP/HomePage.asp

U.S. Department of Transportation A&I Home | What's New | Contacts | Site Guide | A&I Data | Feedback FMCSA Home

Commercial Vehicle Safety Plan
Federal Motor Carrier Safety Administration

CVSP Home State Data Summary Potential Problem Areas GIS Data Supporting Materials

Log Out Guest Account View My Portfolio (1) Reports in Portfolio

CVSP Toolkit Print Help

The goal of the CVSP Toolkit is to provide online assistance and customized data reports to FMCSA and State Enforcement Users for use in their Commercial Motor Vehicle Safety Plans (CVSPs).

Search All FMCSA Sites Go

Tuesday, February 24, 2009

Review State Data Summary
Analyze Potential Problem Areas
Create GIS Maps
Generate Portfolio
Download Supporting Materials

Customize Your State Data into a Downloadable Portfolio

Feedback | Privacy Policy | FirstGov.gov | Freedom of Information Act (FOIA) | Accessibility
Web Policies and Important Links | Site Map | Plug-ins

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Internet | Protected Mode: On 100%

Mozilla Firefox Microsoft PowerPoi... FMCSA Portal - Win... CVSP Toolkit - Wind...

9:26 AM

IT Workshop

2009 IT Workshop

- June 15 – 18 in Kansas City, Missouri
- General sessions and four days of hands-on training on all FMCSA safety systems, including COMPASS and data quality
- Program managers, technical staff, administrative staff, and data entry staff encouraged to attend
- Hotel reservation cut-off date – May 14
- For more information and registration, please visit the InfoSys Web site (http://infosys.fmcsa.dot.gov/PublicInfoSystems/itworks_hop2009.aspx)

CVISN

julie.lane@dot.gov



National Evaluation of CVISN – Safety Improvements

- 3,686 to 21,046 fewer commercial vehicle-involved crashes
- 44 to 253 fewer fatalities
- 955 to 5451 fewer injuries
- Current Operations:
- Up to 50% more high risk vehicles inspected



National Evaluation of CVISN – Economic Benefits

E-credentialing

States-

- \$50 and up savings per account; \$5.64 - \$40 savings per transaction

Carriers-

- \$374 savings per vehicle
- Per transaction savings as high as \$360,500/year (\$5.13/transaction)

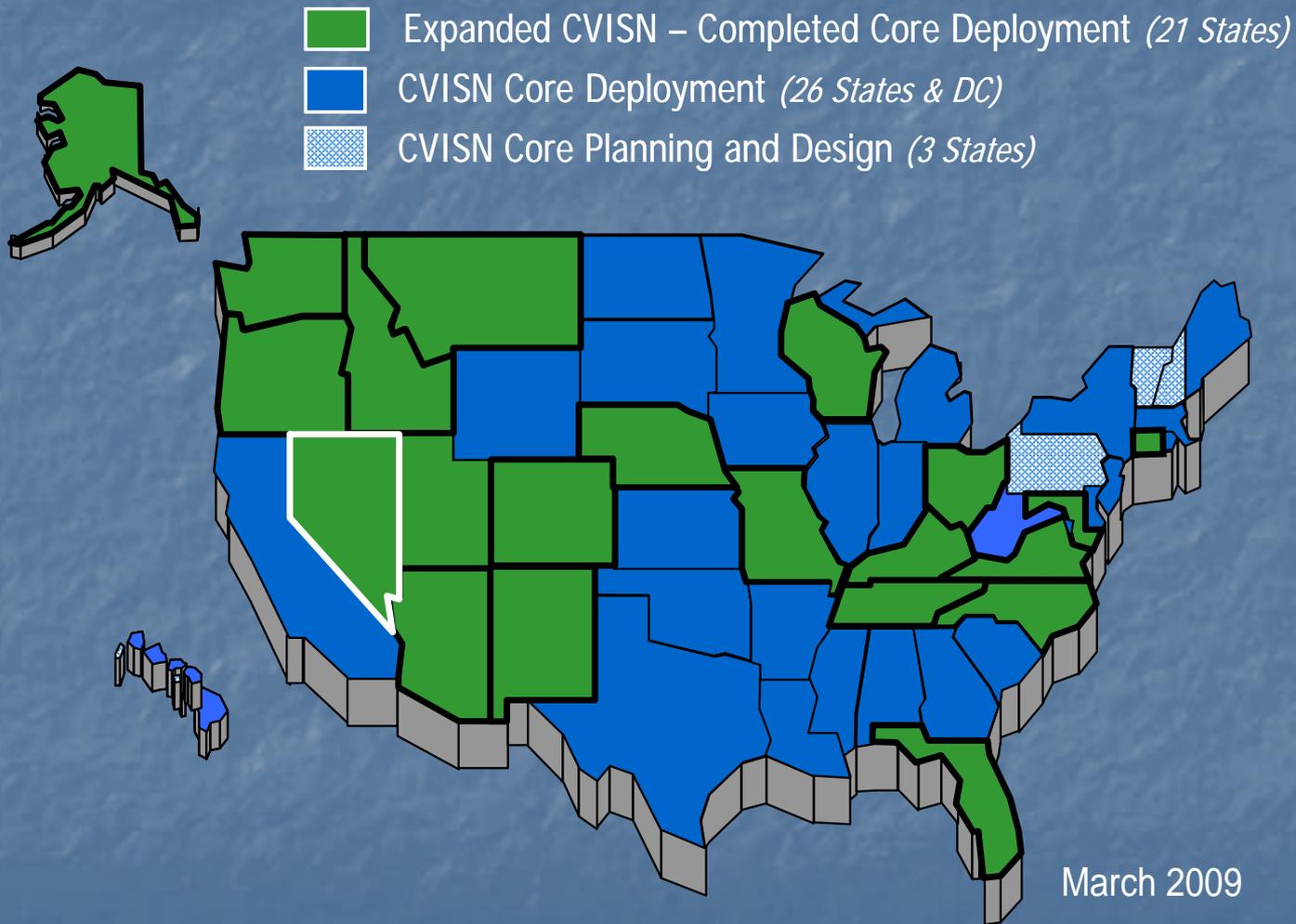
E-Screening

Carriers-

- Save \$8.68 per bypass
- \$1,169 in annual savings per vehicle
- 10 year savings between \$3 to \$219 million
- 25-year horizon – save over \$6 billion with nationwide implementation



CVISN Deployment Status





FY 06-09 CVISN Grants

- 2006 - \$13,701,927
- 2007 - \$25,000,000
- 2008 - \$21,845,636
- 2009 - Anticipated requests: \$33.5 million

Web 2.0 & Collaboration



FMCSA Webcast Archive



After the conclusion of a live webcast, the video recording is added to this archive so that users can view the presentation at their convenience. In addition, any related information is posted below.



3/11/2009
FMCSA All-Hands Meeting
[Watch the Video](#) | [Take the Survey](#) | [Questions & Answers](#) **New**

Acting Deputy Administrator *Rose A. McMurray* shares about the nomination process for the next administrator, FMCSA budget status, Mexican Demonstration Project, human capital survey, and more.

Virtual Island in Cyberspace



The FMCSA Garage



Bus Simulator







Web 2.0 & Collaboration

- More Transparency into HQ
- Collaboration with the field
- Dialogue on important topics



Web 2.0 & Collaboration

- All Hands webcasts
- Second Life
- Blogs, Wikis
- BlogTalk Radio

NEW IN RESEARCH

- **Defensive Driving Tips for CMV Drivers:
An Internet-Based Approach**
- **Driver Distraction Study**
- **Martin.walker@dot.gov**

Federal Motor Carrier Safety Administration

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Home > Facts & Research > Driver Distraction

Driver Distraction



Print

Distraction can be defined as any time a driver diverts his/her attention from the driving task. This may include external distractions, such as looking out the window at a passing building, street sign, or person. Or internal distractions, such as talking on a cell phone, eating, reading, or adjusting the radio. The Large Truck Crash Causation Study (LTCCS) reported that 8 percent of large-truck crashes occurred when Commercial Motor Vehicle (CMV) drivers were externally distracted and 2 percent of large truck crashes occurred when the driver was internally distracted.³

Below are some tips that will help you stay attentive to the road ahead.

TIP # 1: DO NOT FIXATE ON NON-DRIVING RELATED OBJECTS

When driving, keep your mind engaged with driving-related information and try to avoid focusing on external objects such as billboards or buildings or internal objects such as a cell phone or paperwork. Remember that all distractions can be dangerous. Paying attention to driving-related information will help you determine when and where there are vehicles around you and will also enable you to react more timely to any unforeseen event.

Did You Know? A study published in April 2006, found that driver inattention was the leading factor in crashes and near crashes. The study reports that nearly 80 percent of crashes involved some form of driver inattention within three seconds before the incident.²

Did You Know? Inattention or other mental activities distracting you from driving can cause you to gaze blindly at the road and/or objects ahead without actually seeing/recognizing them because your attention is focused somewhere else.⁵²

↑ Facts & Research

CMV Driving Tips

[Project Background](#)
[Too Fast for Conditions](#)
[Unfamiliar Roadway](#)
[Inadequate Surveillance](#)
[Driver Fatigue](#)

Driver Distraction

[Following Too Closely](#)
[Inadequate Evasive Action](#)
[Documents](#)
[References](#)



Driver Distraction





Driver Distraction Study

Preliminary Results

Risk Ratios*

Texting on a Cell Phone	27
Using a Dispatching Device	11
Writing in a Notebook	11
Using Calculator	10
Looking at a Map	8

*Increased risk of a critical incident



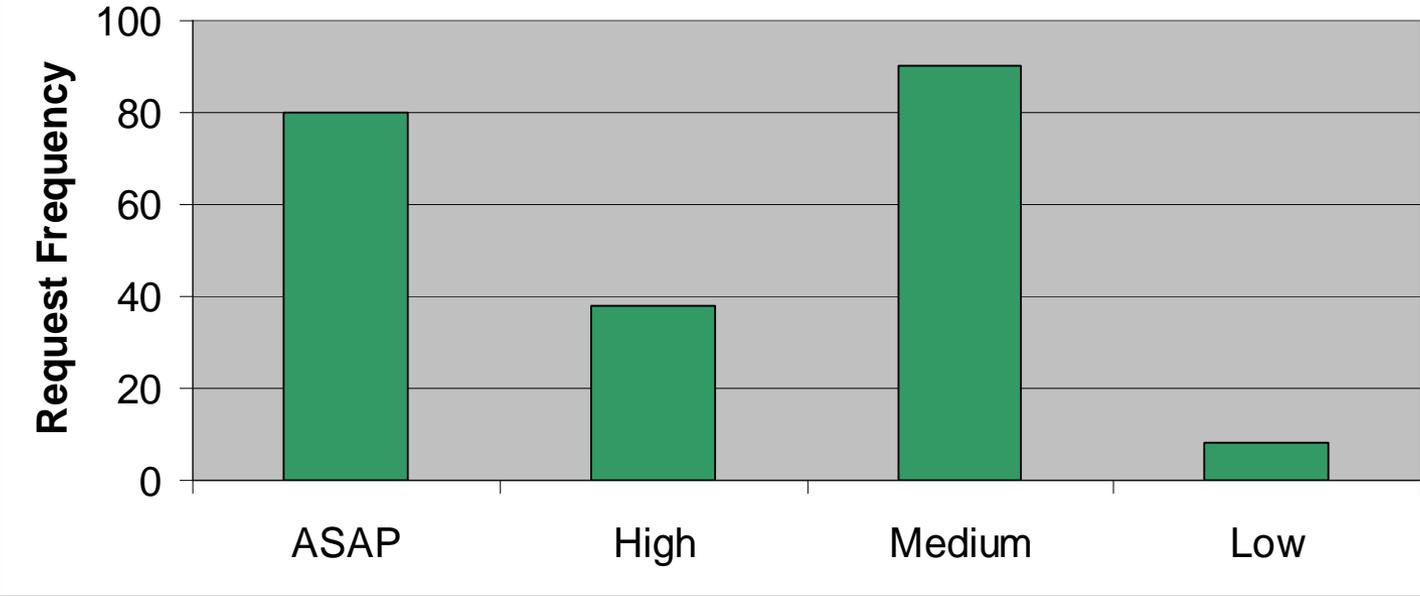
Data Analysis and Reports Team (DART)

datarequests@dot.gov

DART Requests by Priority

(Aug 08 - Nov 08)

216 Requests



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Federal Motor Carrier Safety Administration

