

Federal Motor Carrier Safety Administration
Office of Analysis, Research and Technology

Commercial Vehicle Information Systems & Networks (CVISN) Update

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Research, and Technology

2009 TRB 88th Annual Meeting
ART Forum





Agenda

- ◆ Background
- ◆ FY 2008 Accomplishments
- ◆ FY 2009 Performance Goals



CVISN Overview

- ◆ CVISN is a nationwide program managed by FMCSA designed to:
 - Improve safety and productivity of motor carriers, commercial vehicles and their drivers
 - Improve efficiency and effectiveness of commercial vehicle safety programs through targeted enforcement
 - Improve commercial vehicle data sharing within states and between states and FMCSA
 - Reduce Federal/State and industry regulatory and administrative costs



CVISN Overview–Core

Program Areas

Credentials Administration

- Automated processing of IRP and IFTA credentials
- Interstate data exchange and funds transfer via IRP and IFTA Clearinghouses

Safety Information Exchange

- Sharing of safety data and supporting credentials data among State agencies
- Interstate data exchange
- Use of ASPEN inspection software

Electronic Screening

- Automated weight and credentials screening (at fixed or mobile site)

CVISN Architecture (Technical Infrastructure)

Mainstreaming and Deployment Planning (Organizational Infrastructure)



CVISN Overview–Expanded

- ◆ Expanded CVISN functionality is designed to:
 - Further improve commercial motor vehicle safety, security, and mobility/productivity
 - Extend the services provided through CVISN



CVISN Overview–Expanded

- ◆ Expanded CVISN program is more flexible than the Core component of the program
 - Cafeteria approach is employed
 - States customize their Expanded CVISN programs and focus their resources on the projects that are most important to them and their constituencies
 - States are not required to deploy a set of fixed capabilities



FY 2008 Accomplishments

- ◆ Successfully administered FY 2008 Federal Deployment Grant Program
- ◆ Deployed CVISN functionality throughout country
- ◆ Completed National Evaluation of CVISN Program
- ◆ Implemented CVISN Webinar Series
- ◆ Conducted an assessment of SAFER operations
- ◆ 2008 CVISN Deployment Workshop

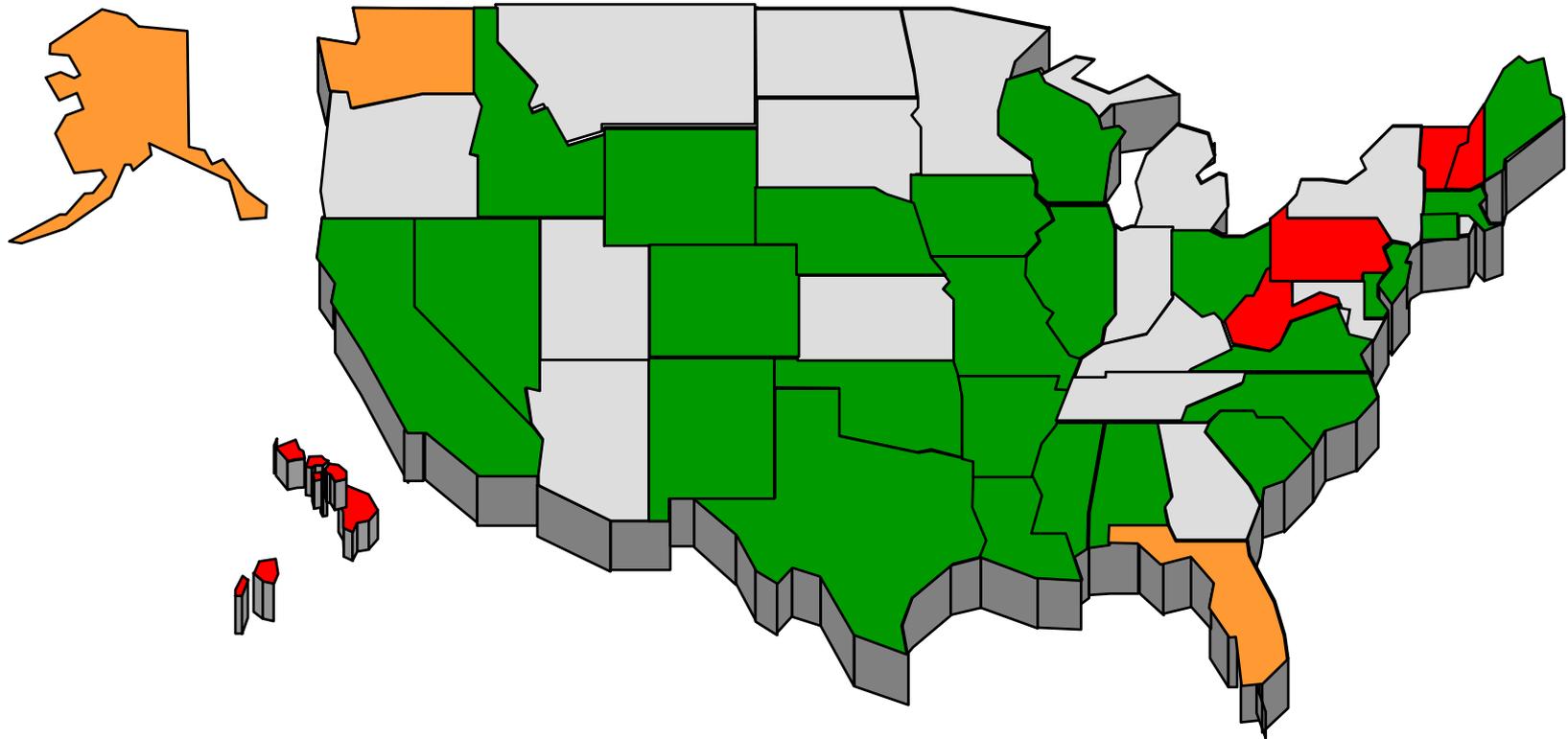
FY 2008 CVISN Accomplishments

Recap of FY08 CVISN Grant Program

- ◆ Successfully administered FY 2008 CVISN Deployment Grant Program
 - 26 states received FY08 CVISN funds
 - 10 Core CVISN Compliant states
 - 16 Core Deployment jurisdictions
 - \$22.5M in CVISN funds were allotted FY08
 - A total of +\$9.3M awarded to Core CVISN Compliant states
 - A total of +\$12.2M awarded to Core Deployment jurisdictions

FY 2008 CVISN Accomplishments

Recap of FY08 CVISN Grant Program



Green FY08 Grant Approved (26)

Grey Eligible, but no grants (17)

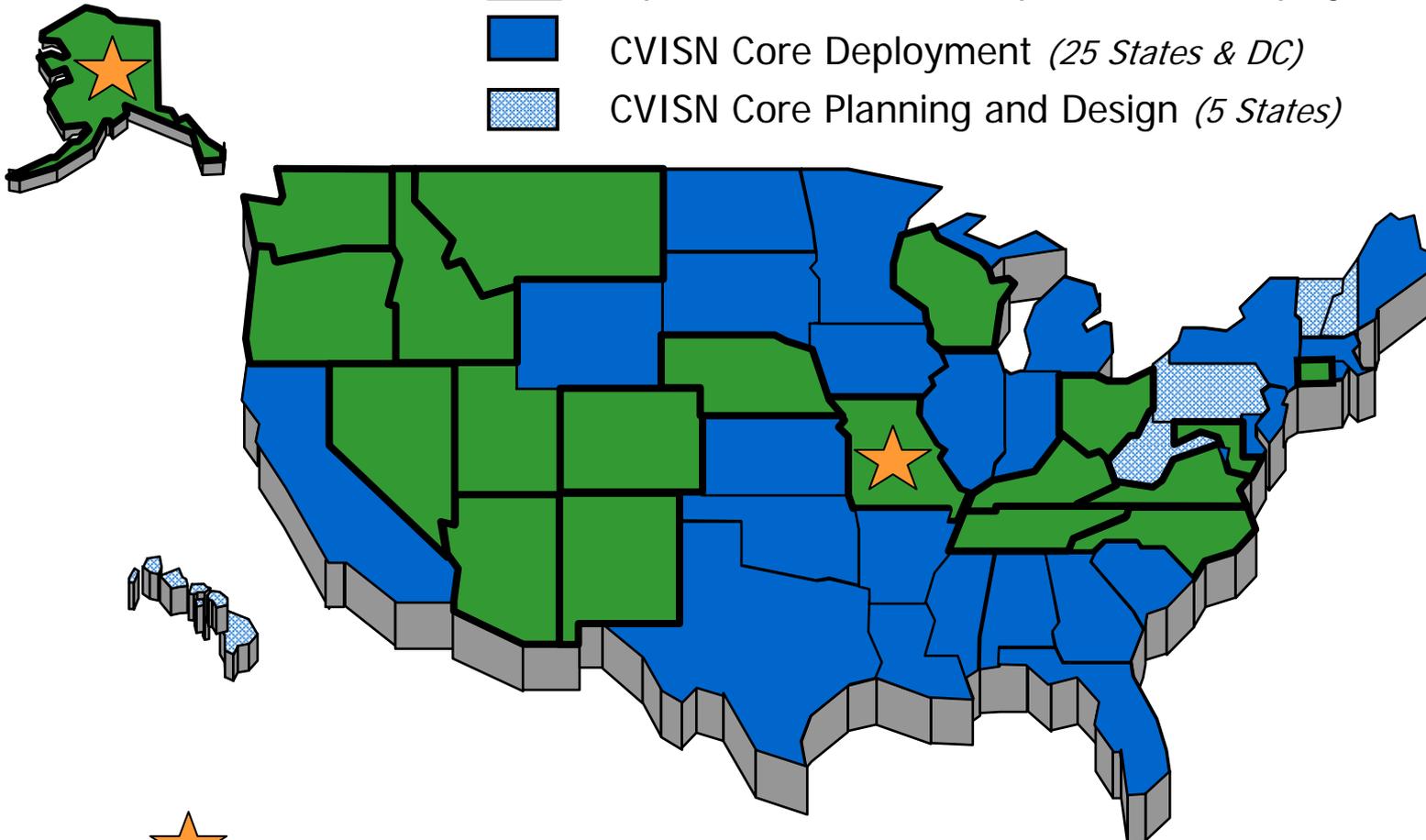
Red Not eligible (5)—Planning Phase

Orange Not eligible (3)—Funding Ceiling

FY 2008 CVISN Accomplishments

CVISN Deployment Status

-  Expanded CVISN – Completed Core Deployment *(20 States)*
-  CVISN Core Deployment *(25 States & DC)*
-  CVISN Core Planning and Design *(5 States)*

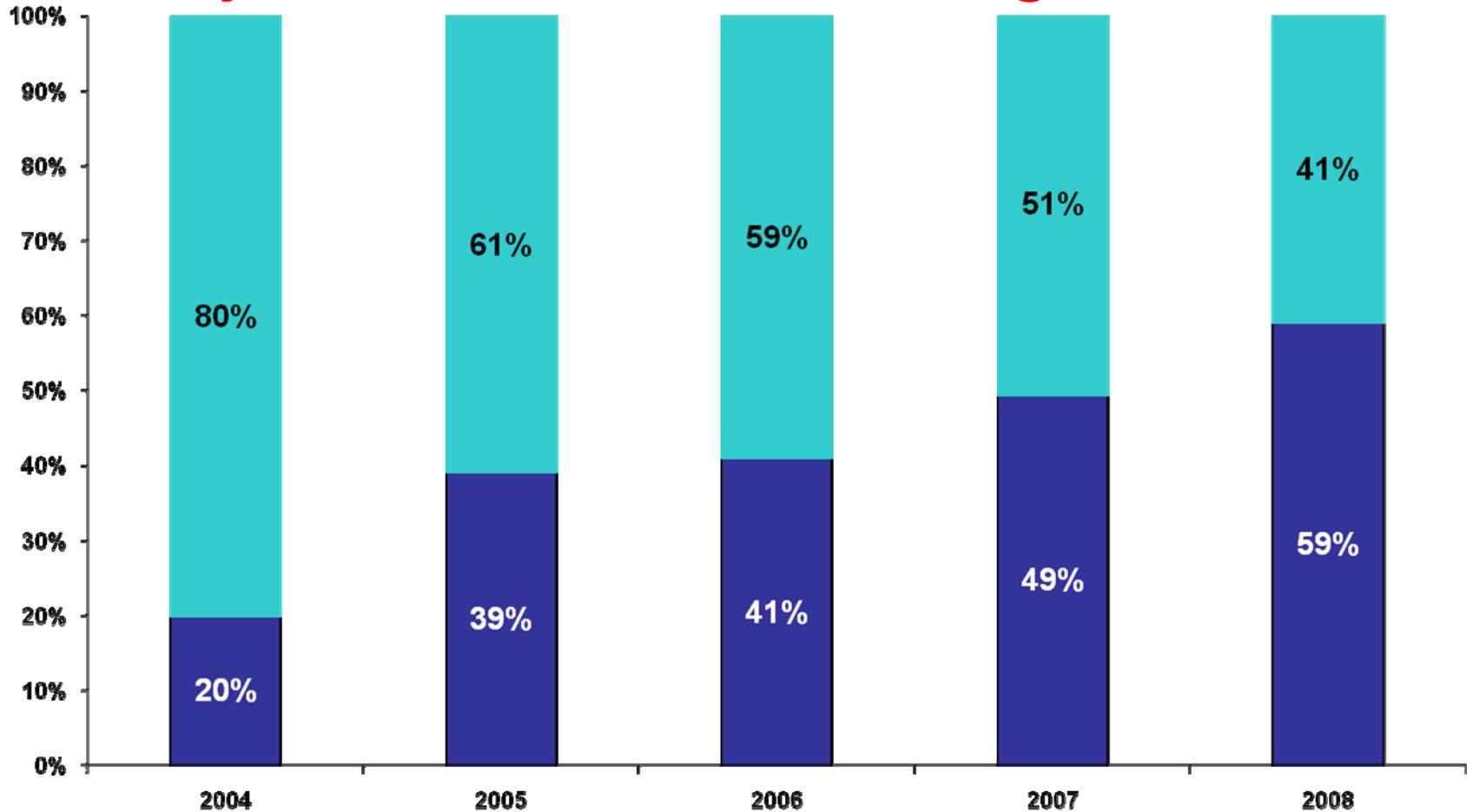


 **Newly Certified State**

August 2008

FY 2008 CVISN Accomplishments

Safety Information Exchange



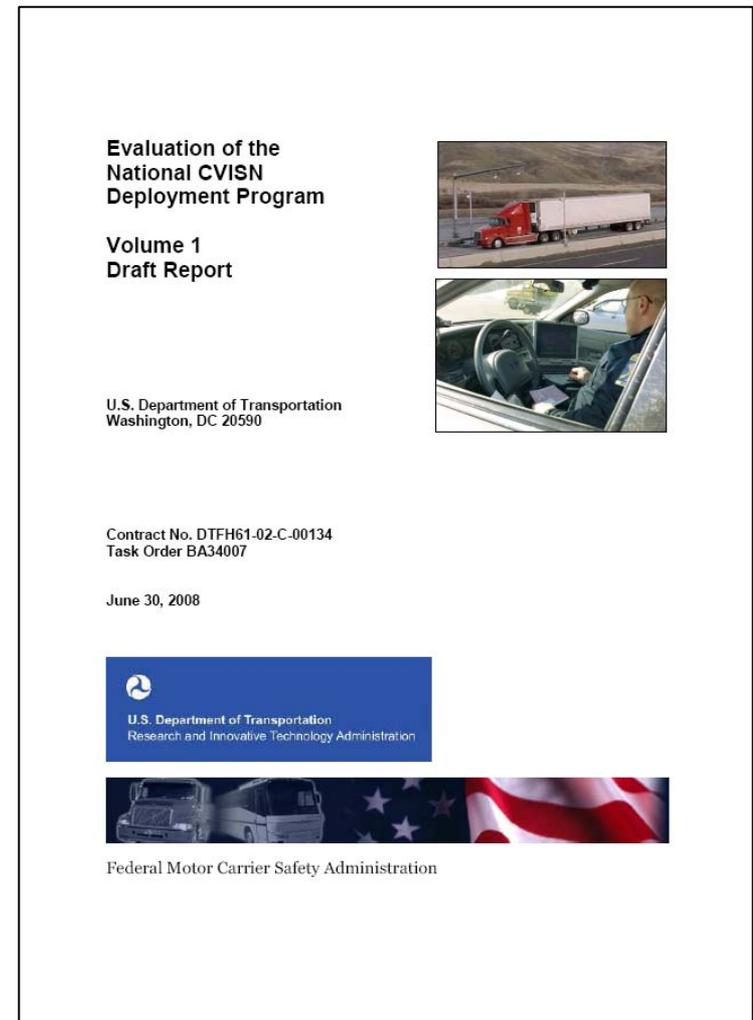
■ Percentage of IRP Registrations in States Sharing Credential Data with SAFER

■ Percentage of IRP Registrations in States Not Sharing Credential Data with SAFER

FY 2008 CVISN Accomplishments

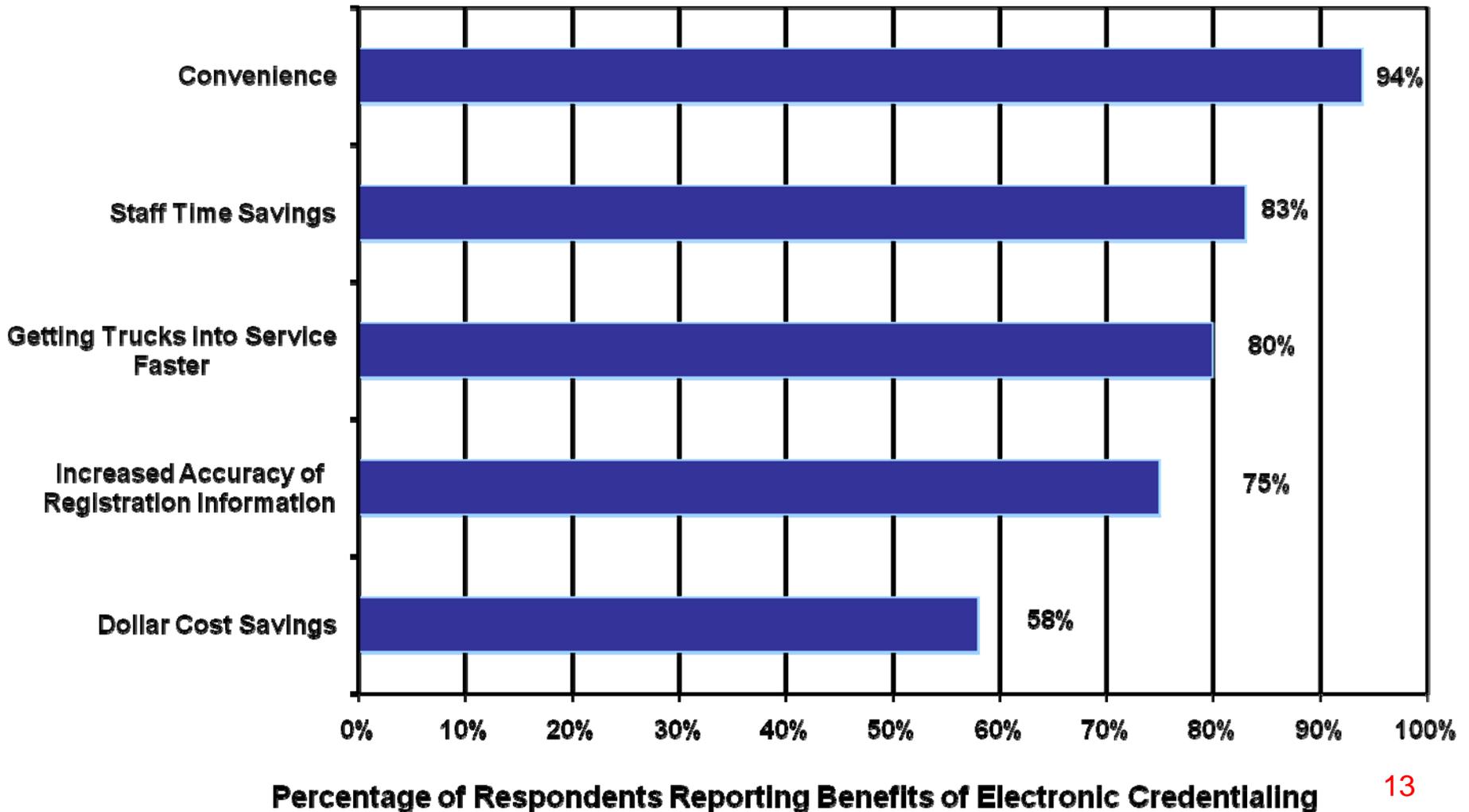
National Evaluation of CVISN Program

- ◆ Formal evaluation of benefits and costs of national CVISN Deployment Program
- ◆ Provides definitive assessment of state, motor carrier, and societal benefits associated with CVISN
- ◆ Currently being peer-reviewed by FMCSA Analysis Division



FY 2008 CVISN Accomplishments

National Evaluation of CVISN Program



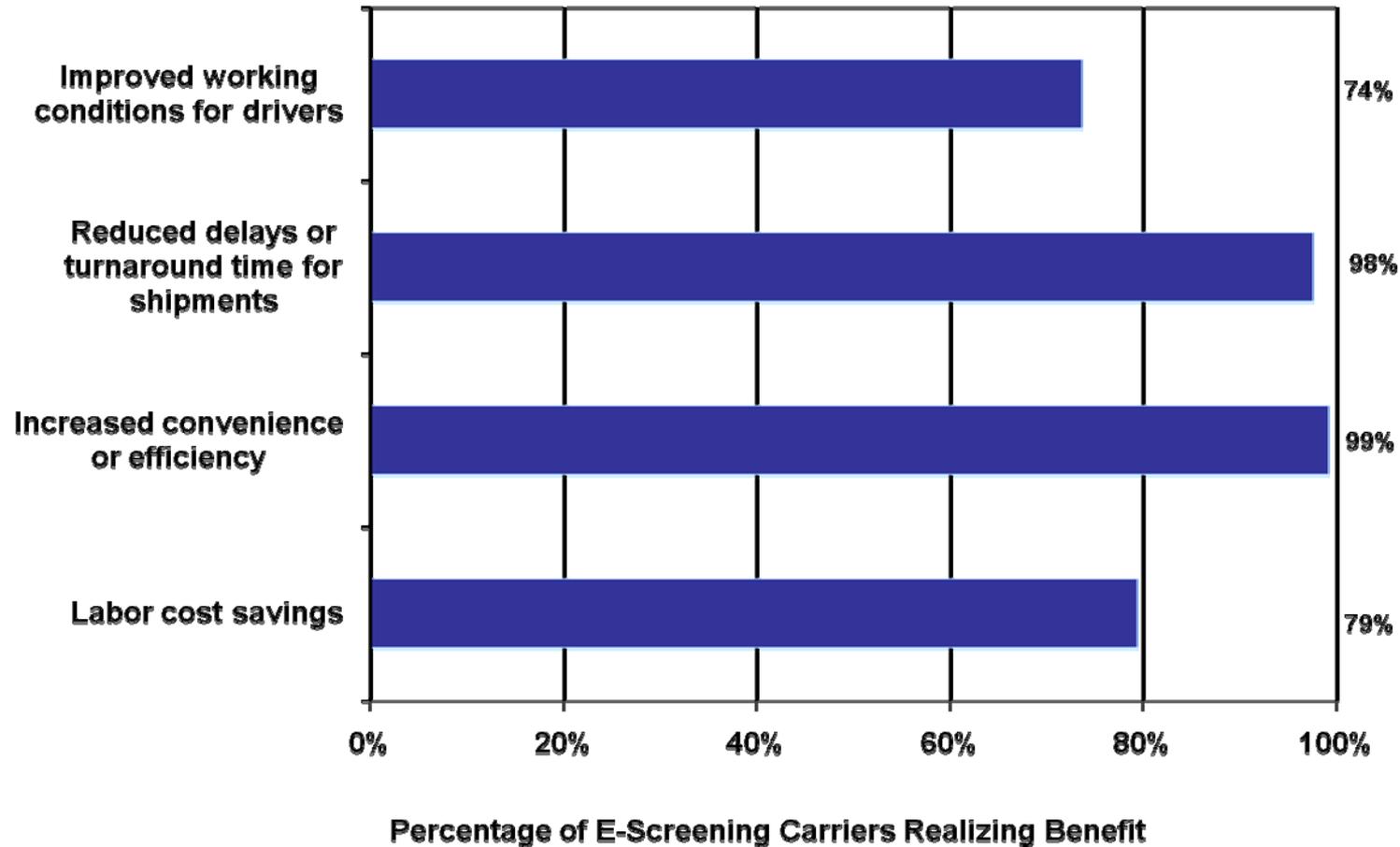
FY 2008 CVISN Accomplishments

National Evaluation of CVISN Program

Vehicle Data	Percentage of High-Risk Carriers			
	<u>Colorado</u>	<u>Kentucky</u>	<u>New York</u>	<u>Ohio</u>
Inspected	41%	34%	19%	50%
Truck Traffic	27%	29%	18%	35%
General Truck Traffic vs. Inspected	1.50	1.16	1.06	1.42

FY 2008 CVISN Accomplishments

National Evaluation of CVISN Program

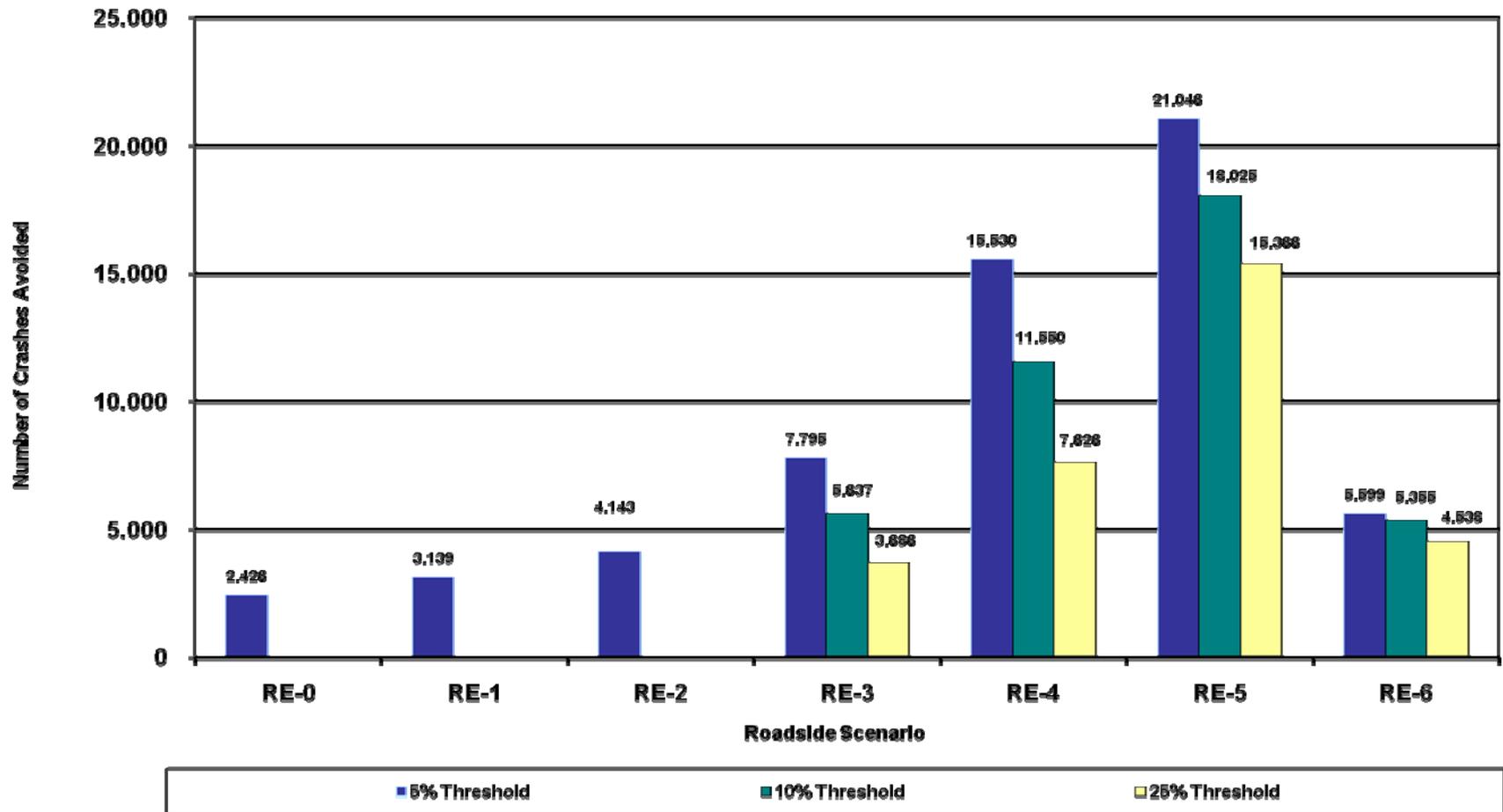




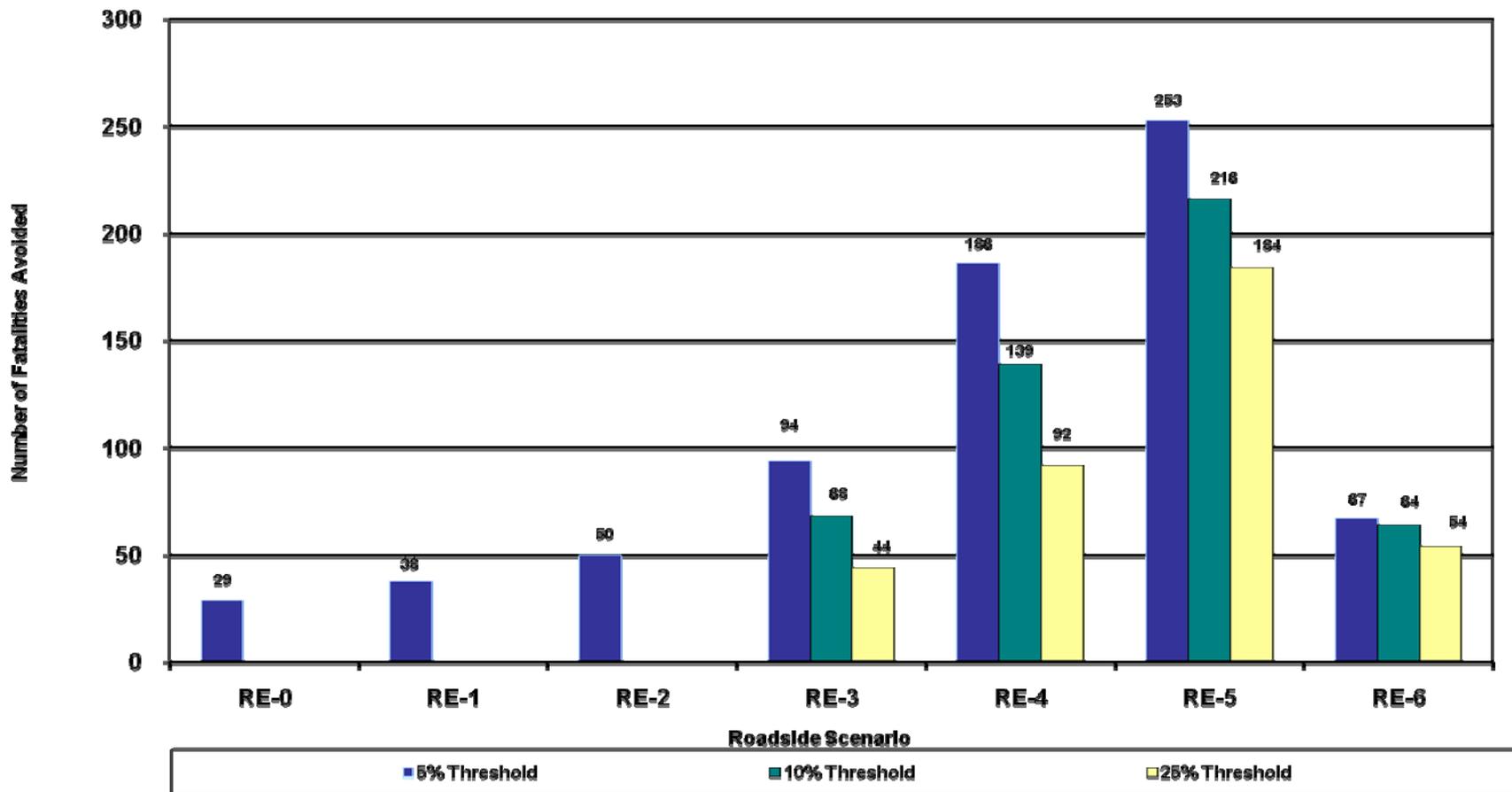
CVISN Could Save Lives

- ◆ Evaluation compared seven different operating scenarios:
 - RE-0: Random selection
 - RE-1: Pre-CVISN Baseline; Inspector discretion
 - RE-2: ISS score and discretion
(high risk/insufficient data)
 - RE-3: High vehicle and driver OOS rates
 - RE-4: High driver OOS and brake violation rates
(LTCCS)
 - RE-5: RE-4 + infrared brake screening
 - RE-6: High ISS score

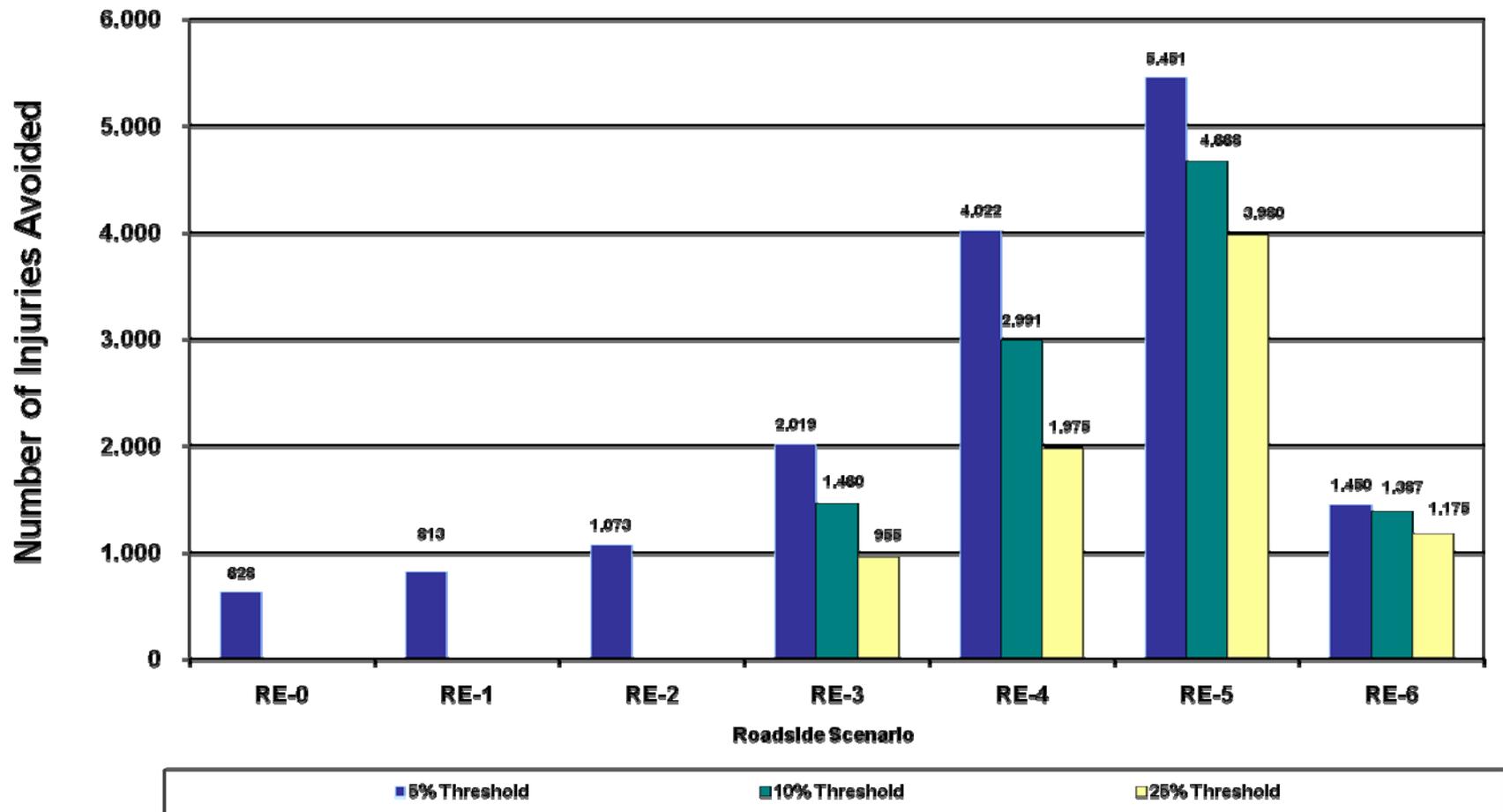
National Evaluation of CVISN Program—Crashes Avoided



National Evaluation of CVISN Program—Fatalities Avoided



National Evaluation of CVISN Program—Injuries Avoided



FY 2008 CVISN Accomplishments

CVISN Webinar Series

◆ Webinars conducted:

- CVISN Match Possibilities, April 2008
- Benefits of CVISN, October 2008
- Encouraging Motor Carrier Participation in CVISN, November 2008
- FY 2009 CVISN Deployment Grant Program, 12/29/08

◆ Webinars currently scheduled:

- “CVISN—It’s Not Just IRP and IFTA Anymore”
January 2009

FY 2008 CVISN Accomplishments

Deployment Workshop

- ◆ Over 29 jurisdictions represented, 14 Federal staff
- ◆ CVISN tutorial
- ◆ Unique panel format facilitated peer-to-peer exchange and
- ◆ In-depth discussion of CVISN-PRISM coordination and Roadside Identification.
- ◆ Numerous Federal updates

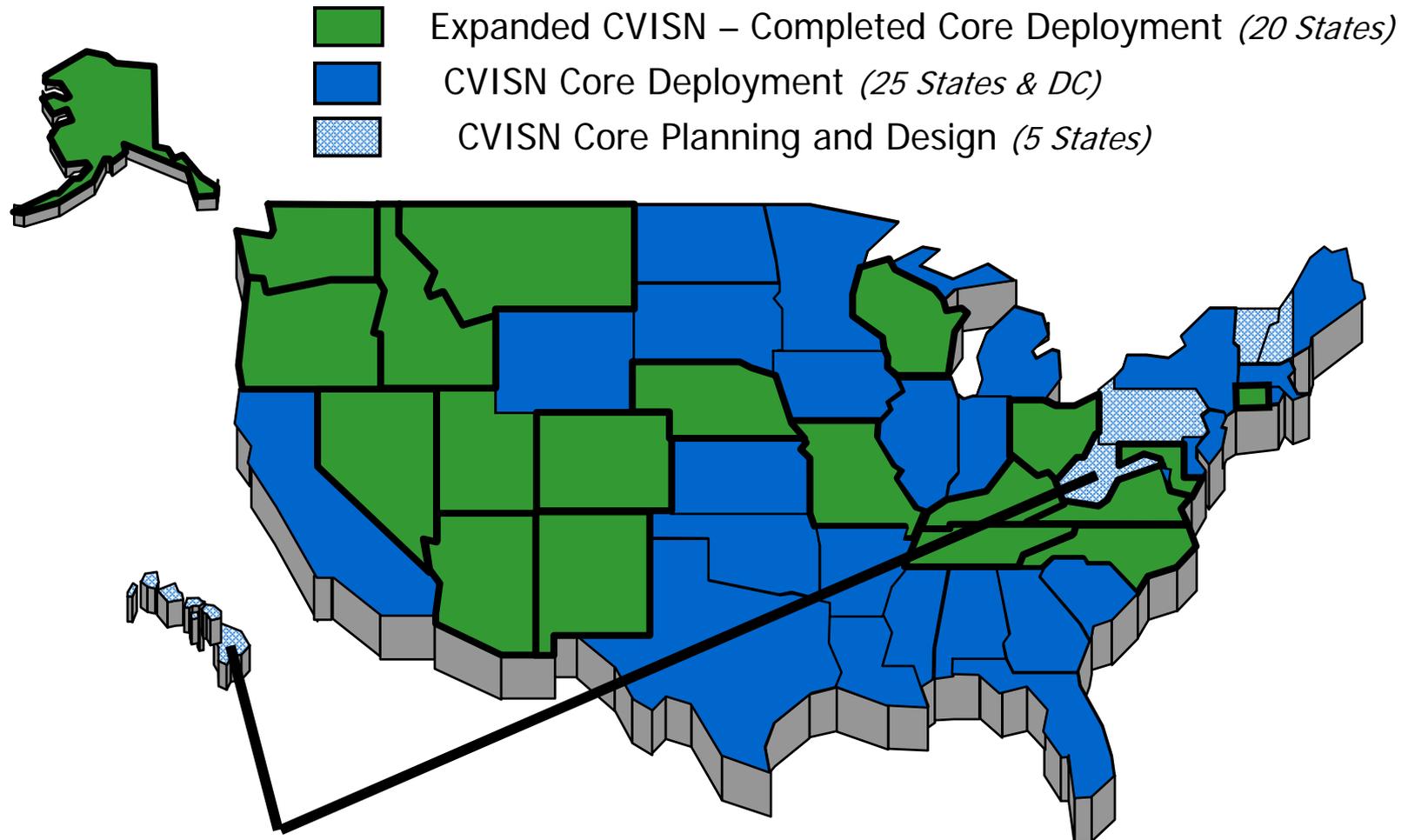


FY09 Performance Goals

- ◆ Complete Core CVISN Planning process in all states
- ◆ Achieve Core CVISN Certification in 3 additional states
- ◆ Distribute FY 2009 Federal CVISN Deployment Grants
- ◆ Update CVISN Website
- ◆ Provide hands-on and Web-based training and support

FY 2009 CVISN Performance Goals

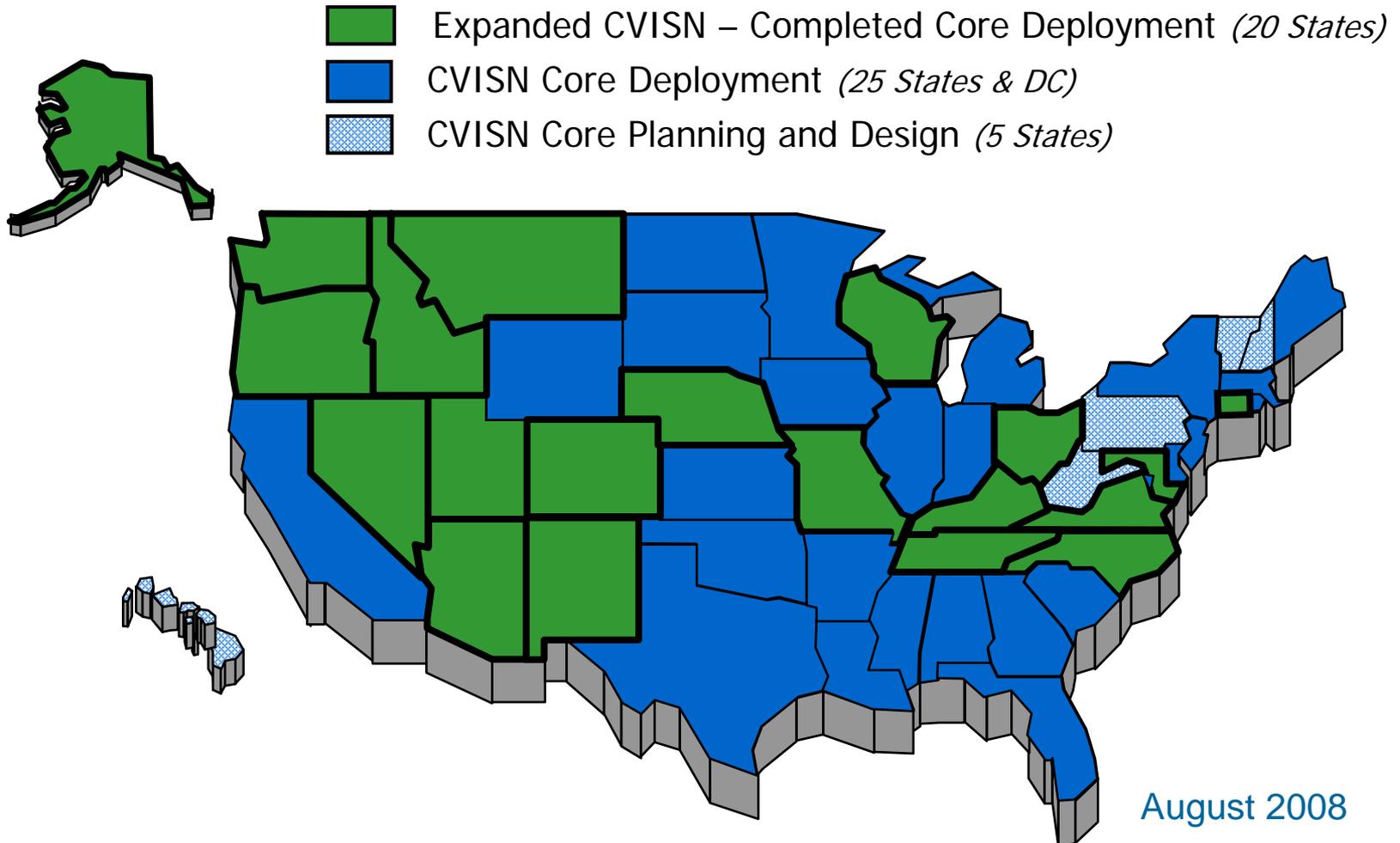
Core CVISN Planning in All States



August 2008

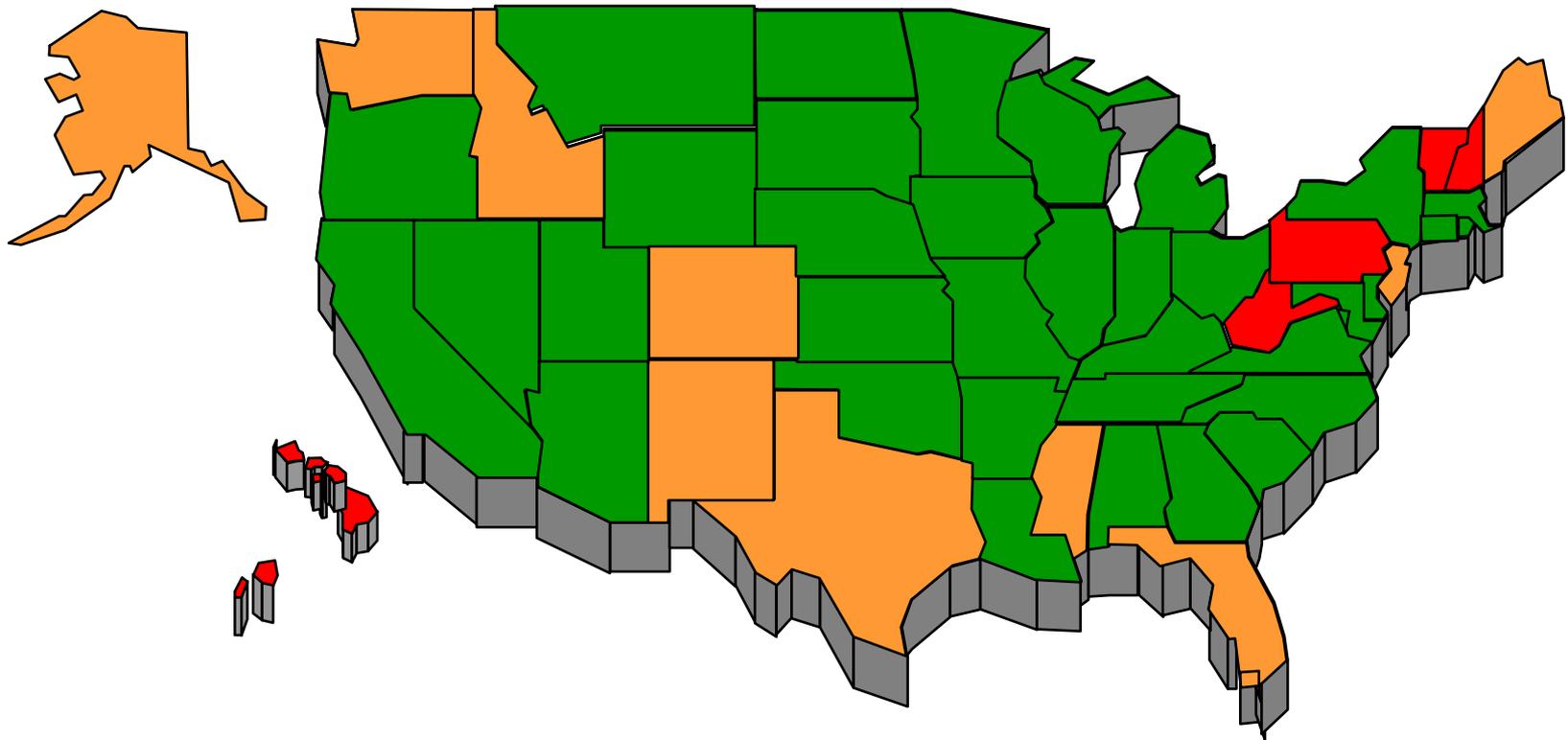
FY 2009 CVISN Performance Goals

Core CVISN Deployment in 3 Additional States



FY 2009 CVISN Performance Goals

FY 2009 CVISN Deployment Grants



FY 2009 CVISN Performance Goals

CVISN Website

- ◆ CVISN website is being updated
 - Updated content
 - Streamlined navigation
 - Improved integration with remainder of FMCSA website



Contact Information

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