

Commercial Vehicle Safety Alliance



North American Standard Level VI Inspection Program Update: Ensuring Safe Transportation of Radioactive Material

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SAFETY *Is What We Do Everyday*



CVSA Levels of Inspections

Level I

Full inspection

Level II

Walk Around – Driver – Vehicle

Level III

Driver - Paperwork

Level IV

Special Project – Generally focus on one item



CVSA Levels of Inspections

Level V

Vehicle Only

Level VI

Enhanced RAM

Level VII

Jurisdictional Mandated



Level VI Training

- 8 basic classes/year held in various states
- Prerequisites: CVSA Level I and HAZMAT certified
- Industry attends course
- To date 135 classes/2268 attendees
- Currently 702 certified Level VI inspectors in 43 states, Puerto Rico, Canada, and federal



Level VI Training

- National instructors are volunteer and certified Level VI inspectors
- Annual review of training curriculum
- Inspector maintains certification with 8 hours of refresher training every 2 years



Level VI Training

- Train the trainer: state representatives trained to conduct their own refresher courses to meet certification requirements



Train the Trainer Course Improvements

- In effect February 2013
- Includes 8 hour version of U.S. DOE MERRTT
- More emphasis on hands-on work projects
- Students instruct preselected modules
- Level VI proficiency quiz



Training Schedule

- Current Level VI Training Schedule
 - Anthony, New Mexico – June 10-13, 2013
 - Frankford, Kentucky – July 22-25, 2013
 - Oak Ridge, Tennessee – August 12-15, 2013
 - Reno, Nevada – September 30-October 3, 2013
 - Denver, Colorado – October 14-17, 2013
 - Austin, Texas – November 4-7, 2013



Level VI Inspection Data

- Level VI Inspection data now available from FMCSA's Analysis & Information Online website
- Options to view national data and state by state data
- To access:
 - Go to “Roadside Inspections”
<http://ai.fmcsa.dot.gov/SafetyProgram/RoadsideInspections.aspx>
 - Select “Level VI Inspection” or “Level VI Violation” from menu on left



Level VI Inspection Results

- Reports on Level VI inspection results are published regularly. All reports are available on the CVSA website:
 1. Go to CVSA homepage, www.cvsa.org
 2. Select “Programs” at top of page
 3. Select “North American Standard Level VI Inspection Program” link 
 4. Select “CVSA/WIPP Updates & Reports” link

Level VI Inspection Results

- FY 2012 Level VI Inspections

	Point of Origin	En Route	Total Shipments
WIPP Shipments	813	786	1599
Private Industry Shipments	154	56	210

- FY 2013 (YTD) Level VI Inspections

	Point of Origin	En Route	Total Shipments
WIPP Shipments	285	279	564
Private Industry Shipments	58	20	78

Level VI Inspection Results

Analysis & Information Federal Motor Carrier Safety Administration

Roadside Inspections, Level VI Violations (2012 - Fiscal)

Data Source: FMCSA Motor Carrier Management Information System (MCMIS) data snapshot as of 3/22/2013, including current year-to-date information for 2013. The data presented below are accurate as of the date listed, but are subject to update as new or additional information may be reported to MCMIS following the snapshot date.

Report Filters:

Report Domicile:

ALL

Vehicle Type:

All Vehicles

Violation Code	Violation Description	# of Inspections	# of Violations	% of Total Violations	# of OOS Violations	OOS Percent
396.3A1	Inspection/Repair And Maintenance Parts And Accessories	9	10	15.38%	3	30%
393.45B2	Failing To Secure Brake Hose/Tubing Against Mechanical Damage	4	7	10.77%	3	42.86%
393.45	Brake Tubing And Hose Adequacy	5	5	7.69%	1	20%
393.45D	Brake Connections With Leaks/Constrictions	4	4	6.15%	2	50%
397.101E2	Driver Not In Possession Of Training Certificate	2	3	4.62%	0	0%
385.415A1	Failing To Maintain Safety Permit On Vehicle	3	3	4.62%	0	0%
391.43H	Improper Medical Examiners Certificate Form	3	3	4.62%	0	0%
393.9	Operating Vehicle Not Having The Required Operable Lamps	3	3	4.62%	0	0%
396.3A1B	Brakes (General)	2	2	3.08%	0	0%
393.75A	Flat Tire Or Fabric Exposed	2	2	3.08%	2	100%
393.47A	Inadequate Brakes For Safe Stopping	2	2	3.08%	1	50%
396.5B	Oil And/Or Grease Leak	2	2	3.08%	0	0%
393.75C	Tire—Other Tread Depth Less Than 2/32 Of Inch	2	2	3.08%	0	0%
393.47E	Clamp/Roto-Chamber Type Brake(S) Out Of Adjustment	1	1	1.54%	0	0%
393.70	Fifth Wheel	1	1	1.54%	1	100%
396.5BHLIW	Hubs - Oil And/Or Grease Leaking From Hub - Inner Wheel	1	1	1.54%	0	0%
393.28	Improper Or No Wiring Protection As Required	1	1	1.54%	1	100%
393.9A	Inoperative Required Lamps	1	1	1.54%	0	0%
393.9T	Inoperative Tail Lamp	1	1	1.54%	1	100%
393.9TS	Inoperative Turn Signal	1	1	1.54%	1	100%
393.48A	Inoperative/Defective Brakes	1	1	1.54%	0	0%
393.110D	Large/Odd-Shaped Cargo Not Adequately Secured	1	1	1.54%	0	0%
393.47B	Mismatched Brake Chambers On Same Axle	1	1	1.54%	0	0%
393.43A	No/Improper Tractor Protection Valve	1	1	1.54%	1	100%
172.324	Non-Bulk Hazardous Substance Not Marked	1	1	1.54%	0	0%
172.403F	Radioactive Material Package—2 Labels On Opposite Sides	1	1	1.54%	0	0%
393.13A	Retroreflective Tape Not Affixed; Trailer Manufactured Before 12/1/1993	1	1	1.54%	0	0%
393.75H	Tire Under-Inflated	1	1	1.54%	0	0%
393.75A3	Tire—Flat And/Or Audible Air Leak	1	1	1.54%	1	100%
393.75A2	Tire—Tread And/Or Sidewall Separation	1	1	1.54%	1	100%

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Violation Code	Violation Description	# of Inspections	# of Violations	% of Total Violations	# of OOS Violations	OOS Percent
396.3A1	Inspection/Repair And Maintenance Parts And Accessories	4	4	21.05%	1	25%
393.45D	Brake Connections With Leaks/Constrictions	2	2	10.53%	0	0%
393.45B2	Failing To Secure Brake Hose/Tubing Against Mechanical Damage	1	2	10.53%	0	0%
393.75A4	Tire—Cut Exposing Ply And/Or Belt Material	1	2	10.53%	2	100%
393.75C	Tire—Other Tread Depth Less Than 2/32 Of Inch	1	2	10.53%	0	0%
393.207F	Air Suspension Pressure Loss	1	1	5.26%	1	100%
393.45	Brake Tubing And Hose Adequacy	1	1	5.26%	0	0%
393.48A	Inoperative/Defective Brakes	1	1	5.26%	0	0%
172.301A1	No Proper Shipping Name And/Or Id# Marking On Non-Bulk	1	1	5.26%	0	0%
393.11	No/Defective Lighting Devices/Reflective Devices/Projected	1	1	5.26%	0	0%
396.5B	Oil And/Or Grease Leak	1	1	5.26%	0	0%
393.9	Operating Vehicle Not Having The Required Operable Lamps	1	1	5.26%	1	100%

Level VI Program Peer Reviews

- Purpose is to identify and share best practices
- Peer Review Activities
 - Teams selected from CVSA Level VI Program Committee, Council of State Governments Northeast and Midwest, SSEB, WGA, DOE, and WIPP carriers
 - 8 states visited: South Carolina, Tennessee, Illinois, Colorado, New Mexico (twice), Washington, Michigan, Idaho
 - Initial report published in January 2007 (available on CVSA website)
 - Two additional visits in 2011 - updated report available July 2013



Level VI Program Outreach

- Goals
 - Educate public on successful Level VI Program
 - Provide information on shipments of transuranic waste and HRCQ
- Tools
 - Display Unit
 - Presentations
 - Publications
 - Website
- Since 2005 over 51 events (conferences, workshops, meetings) attended



Level VI Inspection Program Meetings

- Meets twice a year
 - CVSA Spring Workshop
 - CVSA Annual Conference
- Bill Reese, Idaho State Police - Chair
Josh Downing, Colorado State Police - Vice Chair
Todd Armstrong, Illinois State Police - Secretary
- Vote on major changes to Level VI Inspection and Out-of-Service Criteria
- Focus on WIPP and HRCQ shipments in U.S.

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QUESTIONS?

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