



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 Level VI Program Year in Review CY 2013

- 8 certification classes held
 - New Braintree, MA
 - Raleigh, NC
 - Anthony, NM
 - Frankfort, KY
 - Knoxville, TN
 - Reno, NV
 - Bolder, CO
 - Austin, TX

CVSA Level VI Program Year in Review CY 2013

- One Industry Awareness Class
- Annual Train-the-Trainer with one day MERRTT class





CVSA Level VI Program Year in Review CY 2013

- Total Trained in CY 2013
 - 120 Officers (92 certified)
 - 7 drivers
 - 1 mechanic
 - 1 private industry (CO-60) representative
 - 2 FMCSA Inspectors
 - 1 PHMSA Inspector (not certified)

CVSA Level VI Program Year in Review CY 2013

- To date 141 Certification classes
 - 2397 attendees
- Currently 794 certified Level VI inspectors in 43 states, Puerto Rico, Canada, and federal



CVSA Level VI Program Year in Review CY 2013

- CY 2014 Level VI Certification Class Schedule
 - Annual Train the Trainer, February 25 – 27, Scottsdale AZ
 - One Industry Awareness class being planned, date to be decided



Level VI Training

- CY 2014 Level VI Certification Class Schedule
 - Meridian, ID- March 24 – 27, 2014
 - Blythewood, SC April 27 – May 1, 2014
 - Sacramento, CA- May 12 – 15, 2014
 - Springfield, IL – June 16 – 19, 2014
 - Anthony NM August 25 – 28, 2014
 - Austin, TX – November 3 – 6, 2014



Level VI Training

- National Instructors
 - Carlisle Smith - CVSA
 - Tom Fuller – New York State Police
 - Rion Stann - Pennsylvania State Police
 - Reggie Bunner – West Virginia PSC
 - Rob Rohr - Ohio PUC
 - Adam Roha – California Highway Patrol
 - Tony Anderson – Idaho State Police
 - J. R. Lewis – FMCSA



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



Annual Train the Trainer Course

- February 25-27
2014 Scottsdale AZ
- Includes 8 hour
version of U.S.
DOE MERRTT
- More emphasis on
hands-on work projects
- Students instruct preselected modules
- Level VI proficiency quiz



Level VI Inspection Data



Level VI Inspection Data

- Level VI Inspection data available on 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 Level VI Inspections

	Point of Origin	En Route	Total Shipments
WIPP Shipments	933	692	1625
Private Industry Shipments	98	42	140



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 (MCMS) 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 MCMS 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%
396.5BHLLW	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%

Level VI Inspection Results

Analysis & Information Federal Motor Carrier Safety Administration

Roadside Inspections, Level VI Violations (2013 - Fiscal)

Data Source: FMCSA Motor Carrier Management Information System (MCMIS) data snapshot as of 10/25/2013, including current year-to-date information for 2014.
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	4	4	11.43%	1	25%
393.9	Operating Vehicle Not Having The Required Operable Lamps	4	4	11.43%	2	50%
393.45D	Brake Connections With Leaks/Constrictions	2	2	5.71%	0	0%
393.45B2	Failing To Secure Brake Hose/Tubing Against Mechanical Damage	1	2	5.71%	0	0%
393.11	No/Defective Lighting Devices/Reflective Devices/Projected	2	2	5.71%	0	0%
393.75A4	Tire—Cut Exposing Ply And/Or Belt Material	1	2	5.71%	2	100%
393.75C	Tire—Other Tread Depth Less Than 2/32 Of Inch	1	2	5.71%	0	0%
393.207F	Air Suspension Pressure Loss	1	1	2.86%	1	100%
393.53B	Automatic Brake Adjuster Cmv Manufactured On Or After 10/20/1994— Air Brake	1	1	2.86%	0	0%
393.45DCUV	Brake Connections With Constrictions Under Vehicle	1	1	2.86%	1	100%
393.45DLPC	Brake Connections With Leaks - Connection To Power Unit	1	1	2.86%	0	0%
393.45	Brake Tubing And Hose Adequacy	1	1	2.86%	0	0%
393.45UV	Brake Tubing And Hose Adequacy Under Vehicle	1	1	2.86%	1	100%
396.3A1B	Brakes (General)	1	1	2.86%	0	0%
393.47E	Clamp/Roto-Chamber Type Brake(S) Out Of Adjustment	1	1	2.86%	0	0%
383.51ANSOUT	Driving a CMV while CDL is suspended for a non-safety-related reason and outside the state of driver's license issuance.	1	1	2.86%	0	0%
391.15ASIN	Driving a CMV while disqualified. Suspended for safety-related or unknown reason and in the state of driver's license issuance.	1	1	2.86%	1	100%
395.3A2PROP	Driving beyond 14 hour duty period (Property carrying vehicle)	1	1	2.86%	0	0%
393.75A	Flat Tire Or Fabric Exposed	1	1	2.86%	1	100%
391.43H	Improper Medical Examiners Certificate Form	1	1	2.86%	0	0%
393.48A	Inoperative/Defective Brakes	1	1	2.86%	0	0%
172.301A1	No Proper Shipping Name And/Or Id# Marking On Non-Bulk	1	1	2.86%	0	0%
172.203D6	No Ram Transport Index	1	1	2.86%	0	0%
396.5B	Oil And/Or Grease Leak	1	1	2.86%	0	0%



Level VI Program Peer Reviews

CVSA Level VI Inspection Program Peer Review: State Differences, Lessons Learned, Best Practices, and Recommendations

- *Updates from State Visits in 2011*
– *October 2013*

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



Level VI Peer Reviews

- Initial report published in January 2007 (available on CVSA website)
 - Two additional visits in 2011 – New Mexico and Idaho
 - Planning to conduct two reviews in 2014, states not selected at this time
- http://www.cvsa.org/programs/nas_vi_wipp.php



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 53 events (conferences, workshops, meetings) attended



Level VI Inspection Program Meetings

- Meets twice a year
 - CVSA Spring Workshop
 - CVSA Annual Conference
- Josh Downing, Colorado State Police – Chair
- Todd Armstrong, Illinois State Police – Vice Chair
- Rion Stann, Pennsylvania 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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