



# Inspection, Repair, and Maintenance

49 CFR Part 396, Wisconsin Trans 327



# Applicability- Intrastate Motor Carriers



- Commercial Motor Vehicles

- *Commercial motor vehicle* means any self-propelled or towed motor vehicle used on a highway in interstate commerce to transport passengers or property when the vehicle—
  - (1) Has a gross vehicle weight rating or gross combination weight rating, or gross vehicle weight or gross combination weight, of 4,536 kg (10,001 pounds) or more, whichever is greater; or
  - (2) Is designed or used to transport more than 8 passengers (including the driver) for compensation; or
  - (3) Is designed or used to transport more than 15 passengers, including the driver, and is not used to transport passengers for compensation; or
  - (4) Is used in transporting material found by the Secretary of Transportation to be hazardous under 49 U.S.C. 5103 and transported in a quantity requiring placarding under regulations prescribed by the Secretary under 49 CFR, subtitle B, chapter I, subchapter C.





# Exemptions:



- From Trans 327:
  - The provisions of this chapter do not apply to any farm truck or dual purpose farm truck combined with any semitrailer or farm trailer, or any vehicle combined with a horse trailer, if the vehicle combination's gross combination weight rating, registered weight, and actual gross weight do not exceed 26,000 pounds and the vehicle combination is operated solely in intrastate commerce.( Does not include a passenger vehicle transport of 15 or more or vehicle transporting HM requiring placarding)



# Exemptions:



## A Covered Farm Vehicle (CFV)

1. Is a straight truck or articulated vehicle,
2. Is operated by an owner or operator of a farm or ranch, or by a family member or employee of the owner or operator,
3. Transports agricultural commodities, livestock, machinery or supplies to or from a farm or ranch,
4. Has a license plate or some other means specified by the State that identifies it as a farm vehicle,
5. Is not used in for-hire motor carrier operations (for-hire operations do not include use of a vehicle owned and operated by a tenant farmer to transport the landlord's portion of the crops under a crop-share agreement),
6. Is not transporting hazardous materials that require placarding, and either of the following:
  - a) a. Has a GVW or GVWR (whichever is greater) of 26,001 or less\*, in which case the CFV exemptions in § 390.39 apply anywhere in the United States.
  - b) b. Has a GVW or GVWR (whichever is greater) of more than 26,001 pounds\* and travels within the State where it is registered or, if traveling out of the State where it is registered, stays within 150 air-miles of the owner or operator's farm or ranch.



# Required Records

- Records retained for all vehicles under carrier's control for 30 consecutive days
- Records must identify the vehicle with the following:
  - Make
  - Serial number
  - Year
  - Tire Size
- A means to indicate the nature and due date of various inspections and maintenance.
  - Documentation of what has been done and a plan of what will be done.
- A record of tests conducted on pushout windows, emergency doors, and emergency door marking lights on buses



# FMCSA Form

[illegible]

# Record Retention



- Maintenance records SHALL be retained for a period of 1 year and 6 months after the vehicle leaves the motor carrier's control
- Retained where the vehicle is housed or maintained



# Driver Vehicle Inspection Reports (DVIR)



- Every driver SHALL inspect each vehicle/combination operated at the completion of each day's work
- A report in writing SHALL be prepared by the driver when a safety defect or deficiency is located





# DVIR Content



- The following parts and accessories are required on the report:
  - Service brakes including trailer brake connections
  - Parking brake
  - Steering mechanism
  - Lighting devices and reflectors
  - Tires
  - Horn
  - Windshield wipers
  - Rear vision mirrors
  - Coupling devices
  - Wheels and rims
  - Emergency equipment



# FMCSA Form



102

## Driver's Vehicle Inspection Report

Check ANY Defective Item and Give Details under "Remarks."

DATE: \_\_\_\_\_

TRUCK/TRACTOR NO. \_\_\_\_\_

<input type="checkbox"/> Air Compressor	<input type="checkbox"/> Horn	<input type="checkbox"/> Springs
<input type="checkbox"/> Air Lines	<input type="checkbox"/> Lights	<input type="checkbox"/> Starter
<input type="checkbox"/> Battery	Head - Stop	<input type="checkbox"/> Steering
<input type="checkbox"/> Brake Accessories	Tail - Dash	<input type="checkbox"/> Tachograph
<input type="checkbox"/> Brakes	Turn Indicators	<input type="checkbox"/> Tires
<input type="checkbox"/> Carburetor	<input type="checkbox"/> Mirrors	<input type="checkbox"/> Transmission
<input type="checkbox"/> Clutch	<input type="checkbox"/> Muffler	<input type="checkbox"/> Wheels
<input type="checkbox"/> Defroster	<input type="checkbox"/> Oil Pressure	<input type="checkbox"/> Windows
<input type="checkbox"/> Drive Line	<input type="checkbox"/> On-Board Recorder	<input type="checkbox"/> Windshield Wipers
<input type="checkbox"/> Engine	<input type="checkbox"/> Radiator	<input type="checkbox"/> Other
<input type="checkbox"/> Fifth Wheel	<input type="checkbox"/> Rear End	
<input type="checkbox"/> Front Axle	<input type="checkbox"/> Reflectors	
<input type="checkbox"/> Fuel Tanks	<input type="checkbox"/> Safety Equipment	
<input type="checkbox"/> Heater	Fire Extinguisher	
	Flags - Flares - Fuses	
	Spare Bulbs & Fuses	
	Spare Seal Beam	

TRAILER(S) NO. (S): \_\_\_\_\_

<input type="checkbox"/> Brake Connections	<input type="checkbox"/> Hitch	<input type="checkbox"/> Tarps/In
<input type="checkbox"/> Brakes	<input type="checkbox"/> Landing Gear	<input type="checkbox"/> Tires
<input type="checkbox"/> Coupling Chains	<input type="checkbox"/> Lights - All	<input type="checkbox"/> Wheels
<input type="checkbox"/> Coupling (King) Pin	<input type="checkbox"/> Roof	<input type="checkbox"/> Other
<input type="checkbox"/> Doors	<input type="checkbox"/> Springs	

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

☐ Condition of the above vehicle is satisfactory

Driver's Signature \_\_\_\_\_

☐ Above Defects Corrected

☐ Above Defects Need NOT Be Corrected For Safe Operation Of Vehicle

Mechanic's Signature \_\_\_\_\_ Date \_\_\_\_\_

Driver's Signature \_\_\_\_\_ Date \_\_\_\_\_



# DVIR Procedures



- The driver SHALL sign the report
- Prior to future operation of the vehicle, the motor carrier SHALL repair any defect or deficiency listed on the DVIR which would affect the safe operation of the vehicle
- The motor carrier or its agent (mechanic, shop supervisor) SHALL certify (sign) on the original DVIR that the defect was repaired or the repair was not necessary
- DVIRs SHALL be retained by the motor carrier for 3 months (90 days) of the date on the DVIR

*John Hancock*



# DVIR Exceptions



- Motor carrier of passengers – non business
- A driveaway-towaway operation
- Motor carrier operating only one commercial motor vehicle (or one vehicle combination)





# Driver Inspection – Pretrip



- The driver must be satisfied the vehicle is in safe operating condition before use
- Driver must review the last DVIR (if one was created)
- Driver must sign the last DVIR (if one was created)
- **THE DRIVER IS PROHIBITED FROM OPERATING THE VEHICLE IF THE MOTOR CARRIER FAILS TO CORRECT DEFECTS AND CERTIFY REPAIRS WERE MADE**



# Periodic/Annual/DOT Vehicle Inspection



- EVERY commercial motor vehicle must be inspected
  - At least once during the preceding 12 months
  - tractor   semi-trailer   full trailer   truck
  - Vehicles subject to the motor carrier's control
  - Documentation must be on the vehicle
    - Inspection report, sticker, or decal
      - Sticker or decal must include:
        - Date of the inspection
        - Name and address of the motor carrier
        - Unique identifying information for the vehicle
        - Certification that the vehicle has passed an inspection in accordance with §396.17



# Qualified Inspector



- Who can conduct Periodic/Annual/DOT Inspections??
- Qualified Inspectors
  - Understand the inspection criteria set forth in Part 393 and Appendix G
  - Are knowledgeable of and have mastered the methods, procedures, tools and equipment used when performing an inspection
  - Are capable of performing an inspection by reason of experience, training, or both
    - Completed a Federal or State sponsored training program
    - Have a combination of training and experience of 1 year:
      - Participate in manufacturer or commercial training program
      - Experience as a mechanic or inspector
        - With a motor carrier, commercial garage, or state or federal government



# Brake Inspector Qualifications



- A brake inspector is:
  - responsible for ensuring that all brake inspections, maintenance, or repairs to any commercial motor vehicle, subject to the motor carrier's control, meet the applicable Federal standards.
- No employee who does not meet the minimum brake inspector qualifications may inspect, maintain (adjust air brakes), or repair any brakes on its commercial motor vehicles.
- Brake inspector qualifications must be maintained by the motor carrier or intermodal equipment provider at its principal place of business
- Brake inspector must be qualified:
  - Understands brake service task or inspection process
  - Is knowledgeable of and mastered methods, procedures, & tools used
  - Capable of performing service and inspection by reason of experience and training





# Record Keeping



- Evidence of an inspector's qualifications
- Maintained while completing inspections for the carrier and for one year thereafter
- A commercial garage or a leasing company may maintain the inspector's qualifications on behalf of the motor carrier, however the motor carrier is still responsible if inspector's qualifications must be produced
- The original Periodic (Annual) inspection report must be maintained by the motor carrier for 14 months



# FMCSA Forms



## INSPECTOR QUALIFICATIONS

Certification – 49 CFR – Part 396.19

Motor carriers are responsible for ensuring that individual(s) performing an annual inspection under 396.19 are qualified as follows:

- ☐ Understands the inspection criteria set forth in Part 393 and Appendix G and can identify defective components
- ☐ Is knowledgeable of and has mastered the methods, procedures, tools and equipment used when performing an inspection
- ☐ Is capable of performing an inspection by reason of experience, training, or both, and qualifies in one of the following categories (check all that apply):
  - I. ☐ Successfully completed a State or Federal training program or has certificate from a State or Canadian Province which qualifies the person to perform commercial vehicle safety inspections. Specify:  
\_\_\_\_\_
  - or
  - II. ☐ Have a combination of training or experience totaling at least one year as follows (check all that apply):
    - A. ☐ Participation in a truck manufacturer-sponsored training program or similar commercial training program designed to train students in truck operation and maintenance. Where and Date:  
\_\_\_\_\_
    - B. ☐ \_\_\_\_\_ (years) experience as a mechanic or inspector in a motor carrier maintenance program. Name and Date:  
\_\_\_\_\_
    - C. ☐ \_\_\_\_\_ (years) experience as a mechanic or inspector in truck maintenance at a commercial garage, fleet leasing company, or similar facility. Name of Facility and Dates:  
\_\_\_\_\_
    - D. ☐ \_\_\_\_\_ (years) experience as a commercial vehicle inspector for a State, Provincial, or Federal Government. Where and Dates:  
\_\_\_\_\_

I certify the above information is true and accurate to the best of my knowledge.

Employee \_\_\_\_\_  
Signature of Mechanic/Inspector Date

Motor Carrier/Company \_\_\_\_\_  
Signature of Employer/Supervisor Date

Evidence of Inspector Qualifications are on file at:  
\_\_\_\_\_

## BRAKE INSPECTOR QUALIFICATIONS

Certification – 49 CFR – Part 396.25

"Brake Inspector" means any employee of a motor carrier who is responsible for ensuring all brake inspections, maintenance, service, or repairs to any commercial motor vehicle, subject to the motor carrier's control, meet the applicable Standards.

No motor carrier shall require or permit any employee who does not meet minimum brake inspector qualifications to be responsible for the inspection, maintenance, service or repairs of any brakes on its commercial motor vehicles.

### Minimum Qualifications

- ☐ Understands and can perform brake service and inspection
- ☐ Is knowledgeable of and has mastered the methods, procedures, tools and equipment necessary to perform brake service and inspection
- ☐ Is capable of performing brake service or inspection by reason of experience, training, or both, and qualifies in one of the following categories (check all that apply):
  - I. ☐ Has successfully completed an apprenticeship program sponsored or approved by a State, Canadian Province, a Federal agency or labor union, or has a certificate from a State or Canadian Province which qualifies the person to perform brake service or inspections. Specify:  
\_\_\_\_\_
  - or
  - II. ☐ Has brake-related training or experience or a combination thereof totaling at least one year as follows (check all that apply):
    - A. ☐ Participation in a brake maintenance or inspection training program sponsored by a brake or vehicle manufacturer or similar commercial training program. Where and Date:  
\_\_\_\_\_
    - B. ☐ \_\_\_\_\_ (years) experience performing brake maintenance or inspection in a motor carrier maintenance program. Name and Date:  
\_\_\_\_\_
    - C. ☐ \_\_\_\_\_ (years) experience performing brake maintenance or inspection at a commercial garage, fleet leasing company, or similar facility. Name of Facility and Dates:  
\_\_\_\_\_

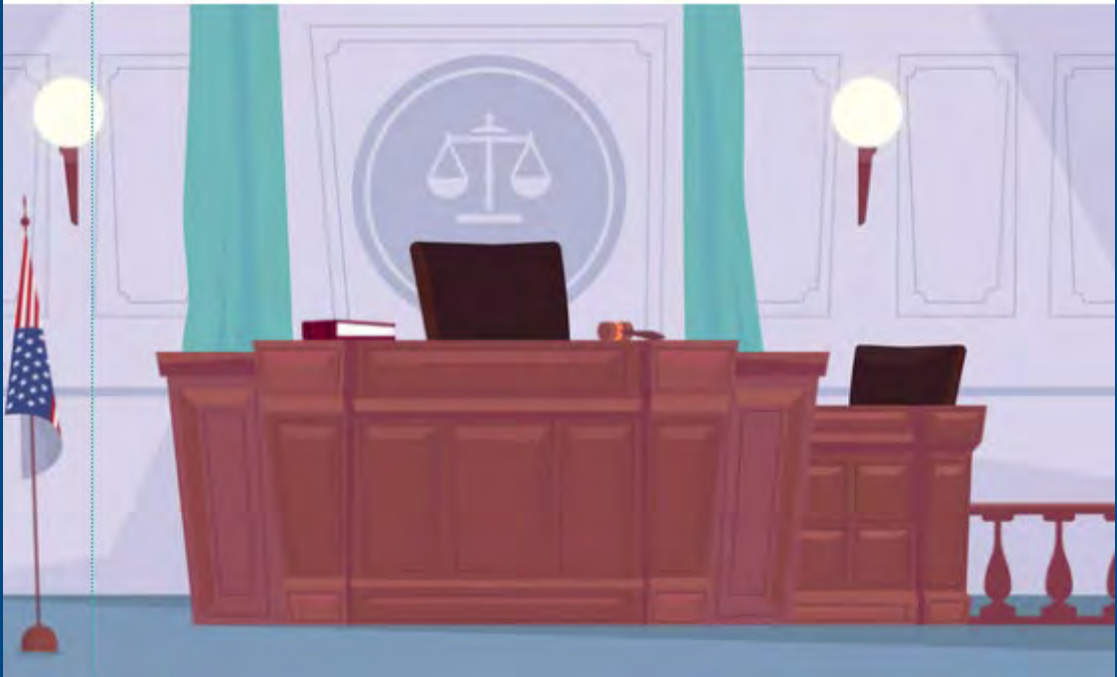
I certify the above information is true and accurate to the best of my knowledge.

Employee \_\_\_\_\_  
Signature of Mechanic/Inspector Date

Motor Carrier/Company \_\_\_\_\_  
Signature of Employer/Supervisor Date

Evidence of Inspector Qualifications are on file at:  
\_\_\_\_\_









Motor Carrier Information Line  
608-267-9762

