WSP
Log Load Enforcement Date

July 1, 2004

WAC 204.44 and CFR393.116
Review of existing policy

- WTA concerns
- FMCSA replies to industry
- FMSCA load Securement Rules in effect January 04, 2004
- Moratorium on 393.116-WAC 204.44
- New policy in effect July 1, 2004
Framed Vehicle:

A vehicle with a skeletal structure with one or more bunks.

Flatbed Vehicle
Vehicle Descriptions

- Log trailer:

A vehicle which is designed to be drawn by another motor vehicle and attached to the towing motor vehicle by means of a "reach" or "pole", or by being "boomed" or otherwise secured to the towing motor vehicle.
Minimum Tie Down Requirements

- CFR 393.116(f)(1-4)
- One tiedown required at each end
- Two additional for Large Diameter Logs that rise above the bunks (48 inches)

- WAC 204.44.02001
- One to three wrappers required depending on number and length of logs
- Two wrappers required for top or outside log
Minimum Tie Down Requirements

- Each log that is not held in place by contact with other logs or stakes, bunks, or standards must be held in place by a tiedown.
Minimum Tie Down Requirements
Out of Service Criteria

- CVSA Out of Service Criteria States: “Logs not secured per the specific securement requirements for this commodity type”. (CFR 393.116)
Working Load Limit (WLL)

- Aggregate WLL of tiedowns securing a stack of logs must be no less than 1/6 the weight of the stack of logs.

- Example: The WLL of a load of logs weighing 48,000 pounds is 8,000 pounds.
Question: What is the WLL of a wrapper consisting of 3/8 wire rope?

How many will be needed to secure a load of logs that weigh 48,000 pounds?
Placement of Wrappers

- CFR 393.116(F)(2)
- Front and rear wrappers need to be at least 10 feet apart
- Logs not held in place by contact with other logs or the stakes, bunks or standards must be held in place by a tiedown

- WAC 204.44.020(d-f)
- Front and rear wrappers located within 6 feet of the stakes
- On short logs wrappers will be placed no less than 12” from end of log
- Logs on top or outside shall be secured with at least 2 wrappers
Placement of Wrappers
Loading Requirements
CFR 393.116(c)(1-4)

- Logs must be solidly packed

- Outer bottom logs must be in contact with and resting solidly against bunks, stakes/standards or bolsters
Loading Requirements
CFR 393.116(c)(1-4)
Loading Requirements
CFR 393.116(c)(1-4)

- Each outside log must touch at least 2 stakes/standards, bunks
- Center of highest log on each side or end must be below the top of each stake/standard or bunk
Loading Requirements
CFR 393.116(c)(1-4)
Loading Requirements
CFR 393.116(c)(1-4)
Upper logs that form the top of the load must be crowned and held in place by a tie down if not held in place by contact with other logs, stakes/standards or bunks.
Crowning represents the natural shape of a group of logs held together and ensures logs on edges of crown are held in place by tiedowns.
CVSA Out of Service Criteria States: “Logs not secured per the specific securement requirements for this commodity type”. (CFR 393.116)
ShortWood and Tiedowns

Definition:

All logs typically up to 16 feet long
ShortWood and Tiedowns

- CFR 393.116
- Each stack must be secured by at least 2 tiedowns that go over the logs
- One tiedown may be used on the stack if the stacks are blocked in the front and rear. By the load or front and rear end structure

- WAC 204.44.020
- A minimum of two wrappers required determined by the number and length of logs.
ShortWood and Tiedowns
Out of Service Criteria

- CVSA Out of Service Criteria States: “Logs not secured per the specific securement requirements for this commodity type”. (CFR 393.116)

- WAC violations by themselves are not Out of Service Violations
Violations of the CFR will be recorded utilizing the appropriate CFR and applying the CVSA Out of Service criteria.
Violations of the WAC will be recorded as Local Laws CFR 392.2 and they will only be placed out of service if violations of CFR Securement requirements exist.
Questions????