



# IANA

INTERMODAL ASSOCIATION  
OF NORTH AMERICA

## Maintenance & Repair Committee Meeting

The Westin Chicago Lombard, Grand Ballroom EF  
Wednesday, May 8, 2024  
1:30 – 2:30 PM

# AGENDA

Wednesday, May 8, 2024

1:30 PM – 2:30 PM

## I. [1:30 to 1:40 PM] Call to Order

- Welcome and Introductions
- Safety Briefing
- Antitrust Guidelines
- Determination of Quorum
- Approval of February 23, 2024, Meeting Minutes

Chris O’Hea, C&K Trucking, Chair  
IANA Staff  
Marc Blubaugh, IANA Counsel:  
Benesch, Friedlander, Coplan and Aronoff  
IANA Staff  
Bill Fluke, Columbia Group, Vice Chair

## II. [1:40 PM to 2:00 PM] Task Force & Working Group Updates

- Damage Prevention Outreach Program Task Force
- Photographic Evidence Working Group

Andrew Knouse, Norfolk Southern  
Mark Smith, FYX Roadside Service

## III. [2:00 PM to 2:05 PM] Underride Guard Update

Marc Blubaugh, IANA Counsel  
Benesch, Friedlander, Coplan and Aronoff

## IV. [2:05 PM to 2:20 PM] FMCSA Update

Chelsea Castaneda  
Safety Operations Program Manager, FMCSA

## V. [2:20 PM to 2:25 PM] Old Business

Chair/Vice Chairs

## VI. [2:25 PM to 2:30 PM] New Business

Chair

- M&R Roundtable Discussion Group
- Items from the Floor
- Next Meeting: IANA Intermodal EXPO  
Long Beach, CA September 9 – 11, 2024

## VII. [2:30 PM] Adjourn

Chair



# Call to Order

- Welcome
  - Reminder of expectation for Committee members
    - Meetings include deliberation of issues, education, and discussion of recommended practices
    - Solicitation of business is not allowed during meetings
    - Members must abide by antitrust guidelines
    - Actively participate in Committee

# Housekeeping



- Turn Cell Phones to Vibrate or Off
- **Please** No Side Bar Conversations
- When Speaking
  - Use a Microphone
  - Identify Yourself and Company Affiliation

# Safety Briefing

## Current Location:

- The Westin Lombard Chicago, Grand Ballroom EF
- 70 Yorktown Ctr, Lombard, IL 60148

## Hotel Security:

- Security phone number is 630-361-7091

## 911 Assignment:

- Dial “0” from any Hotel Phone for Operator or “911” for Emergency Line;  
Front desk can call 911 to Lombard Police Department

## AED Assignment:

- AEDs are located in Fitness center, lobby by front desk side by parking garage elevators, and security office.

## First Aid Kit Assignment:

- 8 First Aid Kits locations: Sales office, security office, kitchen, front desk by the back offices, pool, fitness center, service express, housekeeping office

## CPR Assignments:

- Primary?
- Secondary?

# Safety Briefing - Continued

## Evacuation Assignments:

- Primary?
- Secondary?
- Evacuation Routes – Nearest exit to Target parking lot
- Rally Point
  - Target parking lot
- Chairs pushed in – **Avoid Tripping Hazards**

## Fire Extinguishers:

- Located in each alcove to the right and left of all entrances into the Grand Ballroom EF

## Tornado Evacuation Route:

- Stairwell to basement, Stairwell 1 & 2 from the 18<sup>th</sup> floor to the lower level/basement.

## Drills Scheduled or Planned for the Day:

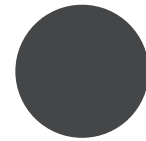
- None scheduled or planned





# Antitrust Guidelines

# Antitrust Guidelines



**Marc Blubaugh**

**IANA Counsel**

**Benesch, Friedlander, Coplan and  
Aronoff**







# Determination of Quorum

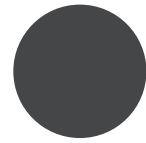
Approval of February 23, 2024, Meeting Minutes





# Task Force and Working Group Updates

# Damage Prevention Outreach Program Task Force



**Andrew Knouse**  
**Norfolk Southern**



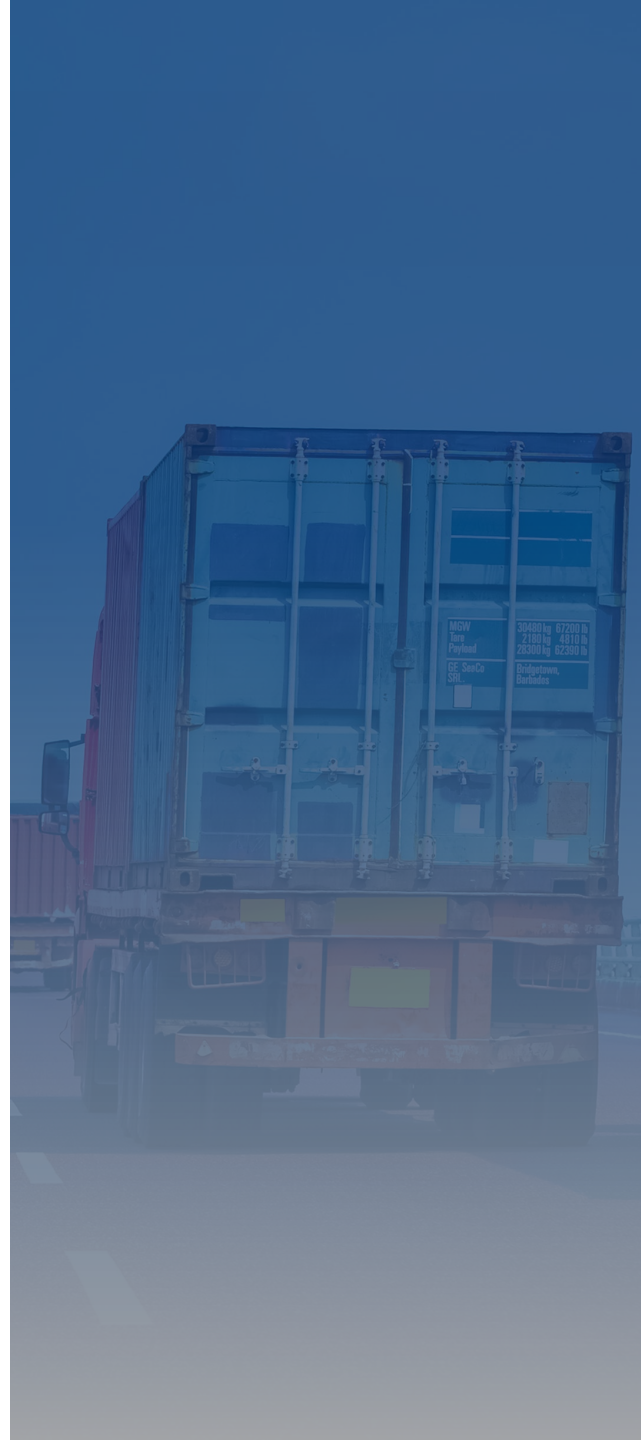


# Thank you to the Participants

- Andrew Knouse, Norfolk Southern Corporation
- Brian Bellan, Georgia Ports Authority
- Ryan Bivinetto, BlackBerry Radar
- Ron Cordova, Zonar Systems, Inc.
- Ben Evans, CIE Manufacturing
- Chris Gates, Clarience Technologies
- Calvin Lin, Ventra Technology
- Tyler Lippincott, J.B. Hunt Transport Services, Inc.
- James Niccum, Rail Logistics, Inc.
- Thomas Novak, Rail Logistics, Inc.
- Chad Peterson, CPKC
- Deron Reese, J. B. Hunt Transportation Services, Inc.
- Pete Russo, Decisiv, Inc.
- Brad Ryckert, SKF USA Inc. Vehicle Service Market
- Jimmy Scardo, Norfolk Southern Corporation
- Eric Snyder, DCLI

# Objectives

- Raise awareness and share information regarding preventable chassis damage with stakeholders involved in moving, storing and maintaining chassis
- Develop presentation tools and resources, which may be utilized by IANA members during local outreach events
- Materials to highlight proper use and handling of intermodal chassis and the operational and safety benefits of doing so



# Damage Prevention Task Force

## Past Deliverables

- Supervisor check list to mitigate damages
- Job briefing content
- Tools to keep your area clean
- What does it take to skid flat tires?
  - #1 damage reason for tires

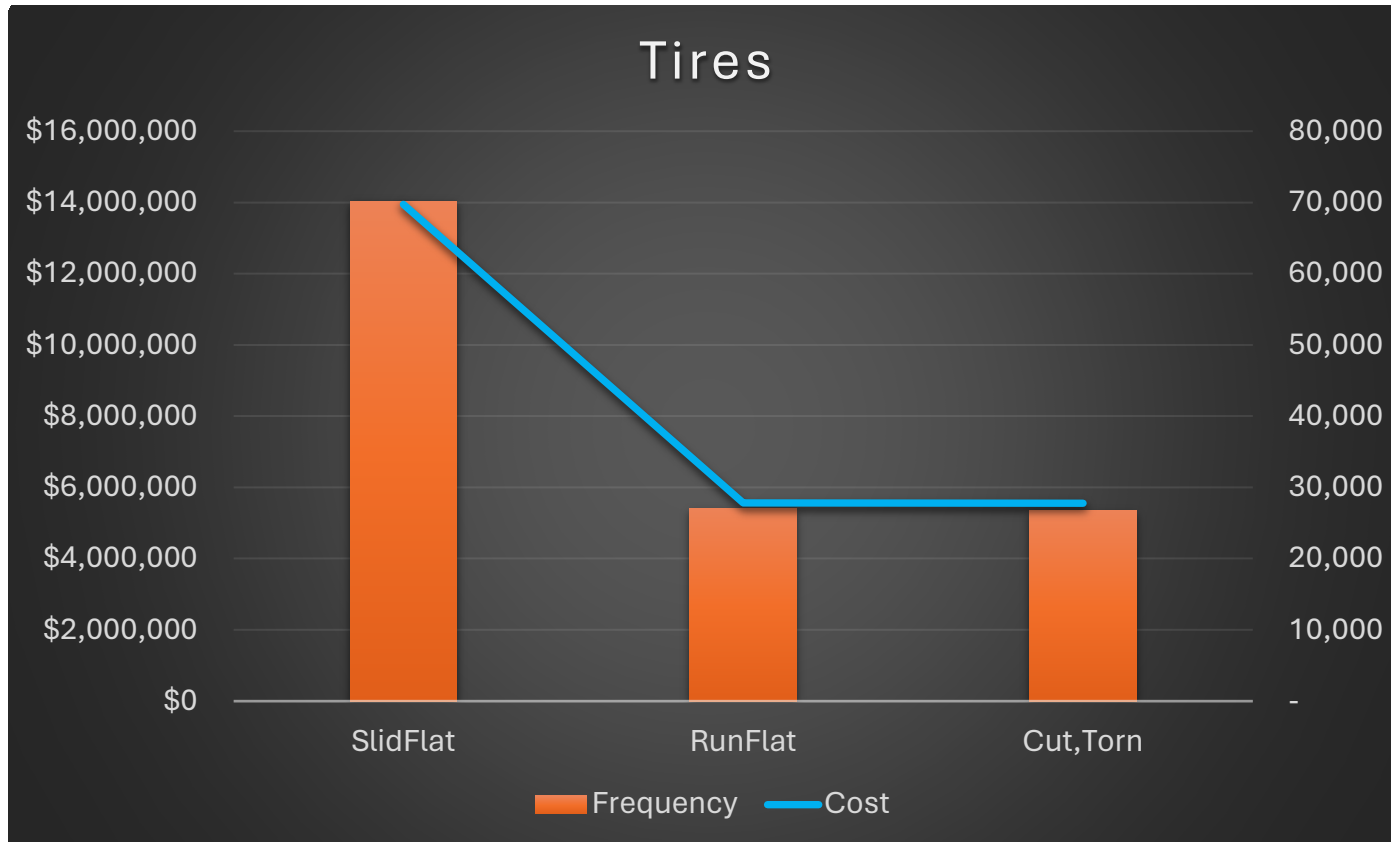
## What is next?

- Top chassis damages and cost
- Recommendations



# Damage Impact on Domestic Chassis Industry Wide

Review of annual damages across a few different IEPs for domestic chassis was completed to understand OOS and cost impact. Tires topped the list on cost, securement devices topped the list on frequency



### Pin Securement Damage

- Estimated 300k instances
- \$5.2M

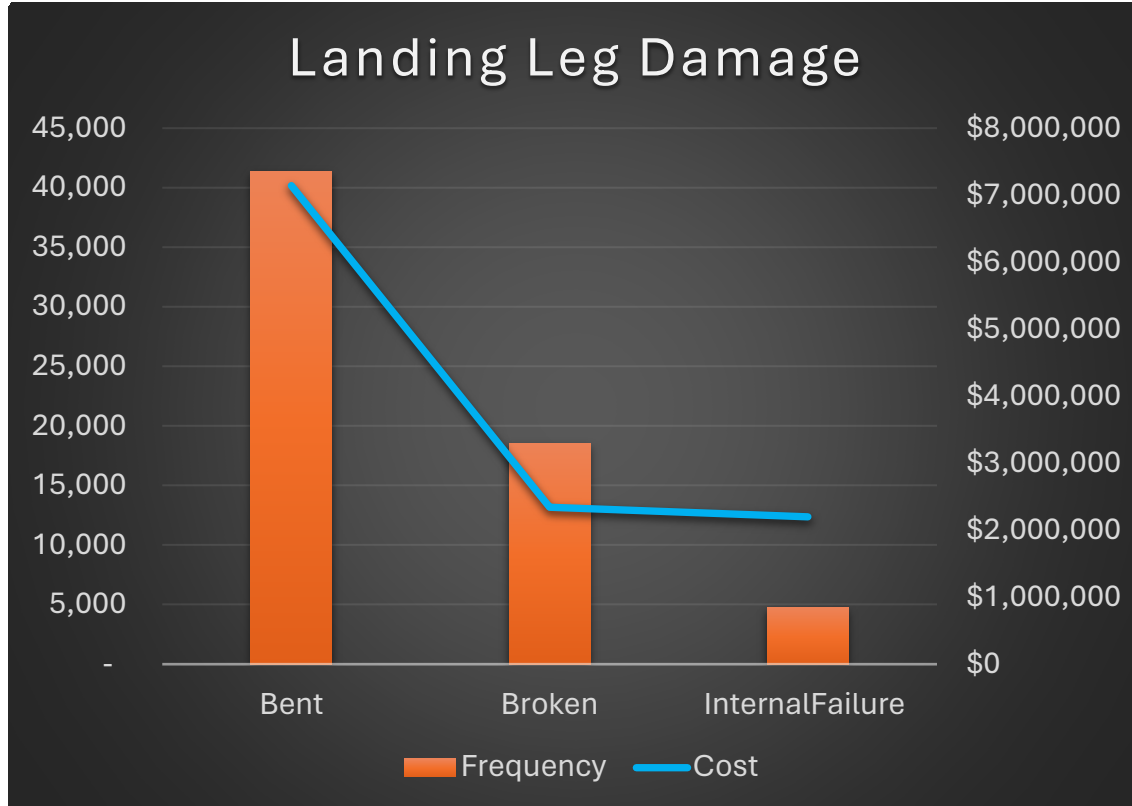
### Total Tire Damage

- >\$25M
- >124K tires

# Top Damages - Continued

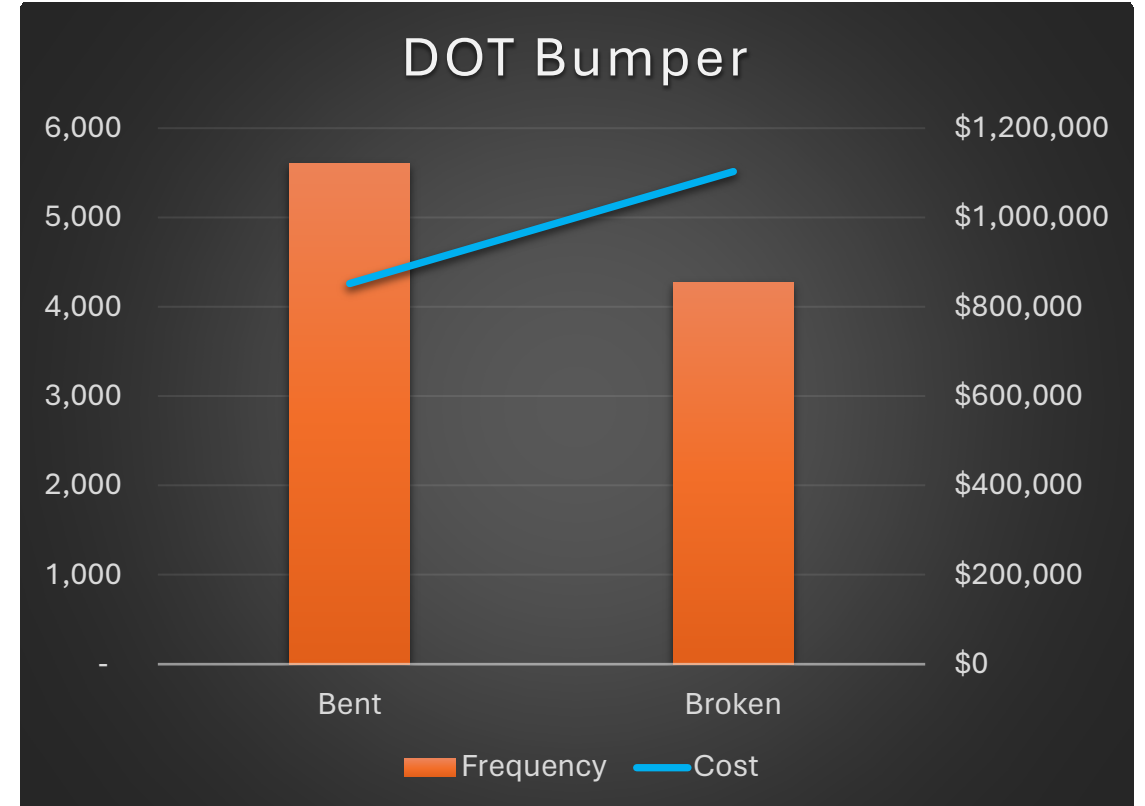
## Landing Legs

- >\$12M
- >65K instances



## DOT Bumper

- >\$2M
- >10K instances

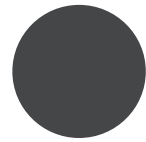


# Recommended Next Steps

- Transition from the Damage Prevention Outreach Program Task Force to a new Joint Task Force, collaborating with OPS and Safety committee participants
  - Focus should be on:
    - Process owner engagement
      - Terminal operators
      - Motor Carriers/Drivers
      - BCO site operators
    - Driving best practices to reduce damage



# Photographic Evidence Working Group



**Mark Smith**  
**FYX Fleet Roadside Service**



# Thank you to the Participants

- Mark Smith, FYX, Fleet Roadside Assistance, Group Leader
- Ryan Bivenetto, BlackBerry Radar
- Tim Farrell, Intermodal Cartage Co., Inc.
- Brooke Frerichs, Union Pacific Railroad Company
- Stefanie Fyfe, ContainerPort Group, Inc.
- Stevenson Kemp, South Carolina Ports Authority
- Andrew Knouse, Norfolk Southern Corporation
- Richard Lammers, Union Pacific Railroad Company
- Calvin Lin, Ventra Technology Inc.
- Angelina Mercado, TRAC Intermodal
- Holly Middleton, Norfolk Southern Corporation
- Timothy Moore, CSX Intermodal Terminals, Inc.
- Rob Movshin, Container Maintenance Corporation
- Kent Musick, Pratt Intermodal Chassis
- Anthony Noles, Dorsey Tire Company, Inc.
- JJ Pascente, Legend Trucking, Inc.
- Albert Perez, BNSF Railway
- Frank Puciul, SAF-HOLLAND
- Ron Smejkal, TRAC Intermodal
- Bill Traub, P & B Intermodal Services, Inc.
- Jeremy Worley, FYX Fleet Roadside Assistance
- Pete Young, Rail Logistics, Inc.

# Photographic Evidence Working Group

## Initial suggestions for improvements/updates to the photographic evidence criteria and what we could propose for the Charter:

The current suggestions for consideration are below **BUT** please speak up if there are any missed or any other suggestions:

- Damages are damages, something along the lines of: “If cause of failure is determined to be damage versus NWT (normal wear and tear), regardless of why made code chalked on sidewall, the photographic or videography evidence can be used without chalking if the defect is clearly depicted in the documentation.
- Allow stickers for tire identification markings and as a secondary protocol to chalking.
- Inner Liner photo of run flat tire is in addition to support but can replace inner liner photo if exterior tire condition confirms run flat damage.
- Motor carriers supply photographic evidence as well.
- Videos can be used alongside photos for proper determination of cause of failure.



# Photographic Evidence Task Force - Proposed Charter

## I. BUSINESS CASE / PROJECT NEED

- The M&R Leadership team was requested to review the current Photographic Evidence for criteria improvement opportunities.

## II. GOAL STATEMENT

- The task force will seek to establish improved criteria for tire photos to meet in order to be reliable evidence to validate cause of failure and proper determination of responsible party in lieu of returning the carcass.
- The Task Force will complete its review within recommended time frames.

## III. WORK PLAN and TIMELINE

- The Task Force will use the following source documents:
  - AAR Interchange Rules
  - Exhibit C – UIIA
- The Task Force will investigate and research, as necessary, with outside resources such as scientific, tire experts, and academic advisors to assist with methods and processes that can support the Task Force goals.

# Photographic Evidence Task Force - Proposed Charter (Continued)

## III. WORK PLAN and TIMELINE (continued)

- The Task Force will cross reference tire conditions with Exhibit C and AAR Interchange Rules as it pertains to appropriate Why Made codes and proper tire markings.
- May 2024 – Vote by M&R Leadership team.
- June 2024 - Prepare survey for Task Force team to vote on criteria updates.
- July/August 2024 – Review results of survey with Task Force for final discussions and recommendations for M&R Leadership team.
- September 2024 – Propose criteria updates for M&R Leadership vote.

## IV. DESIRED OUTCOMES

- Measurable confidence level in hypothesis.
- Charter approval by M&R Committee
- Updated criteria approval by M&R Committee
- IIEC reviews and adopts Task Force and M&R Committee Recommendations

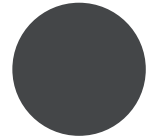
## V. ROLES AND RESPONSIBILITIES



# Underride Guard Update



# Underride Guard Update



**Marc Blubaugh**

**IANA Counsel**

**Benesch, Friedlander, Coplan and  
Aronoff**





# FMCSA Update

# FMCSA Update

- **Chelsea Castaneda**  
Safety Operations Program Manager  
Federal Motor Carrier Safety Administration
- **Kevin Hall**  
Safety Investigator  
Federal Motor Carrier Safety Administration





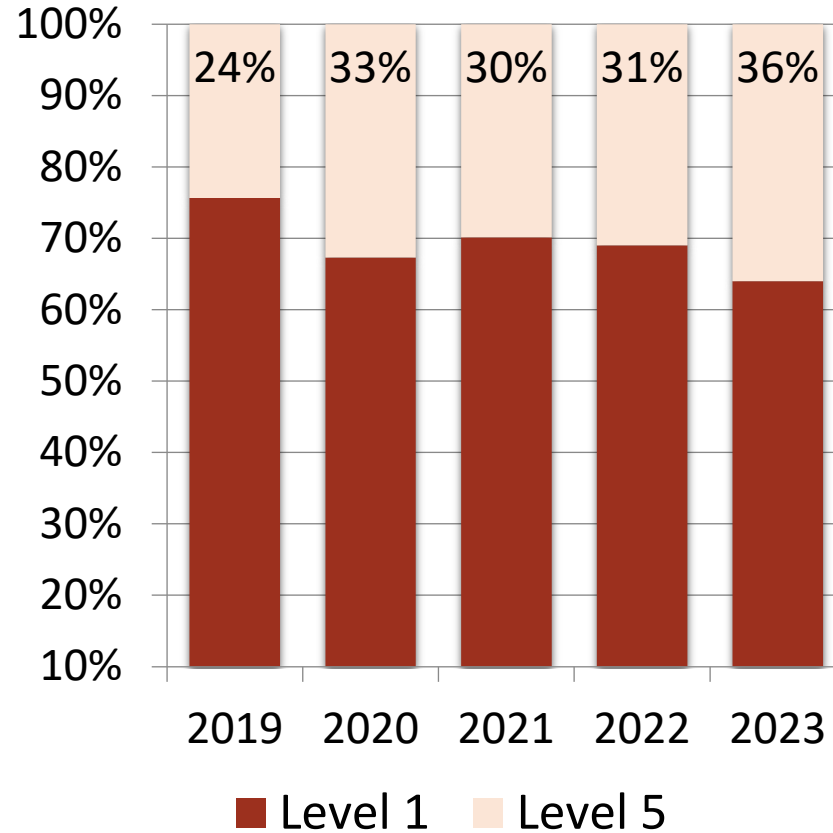
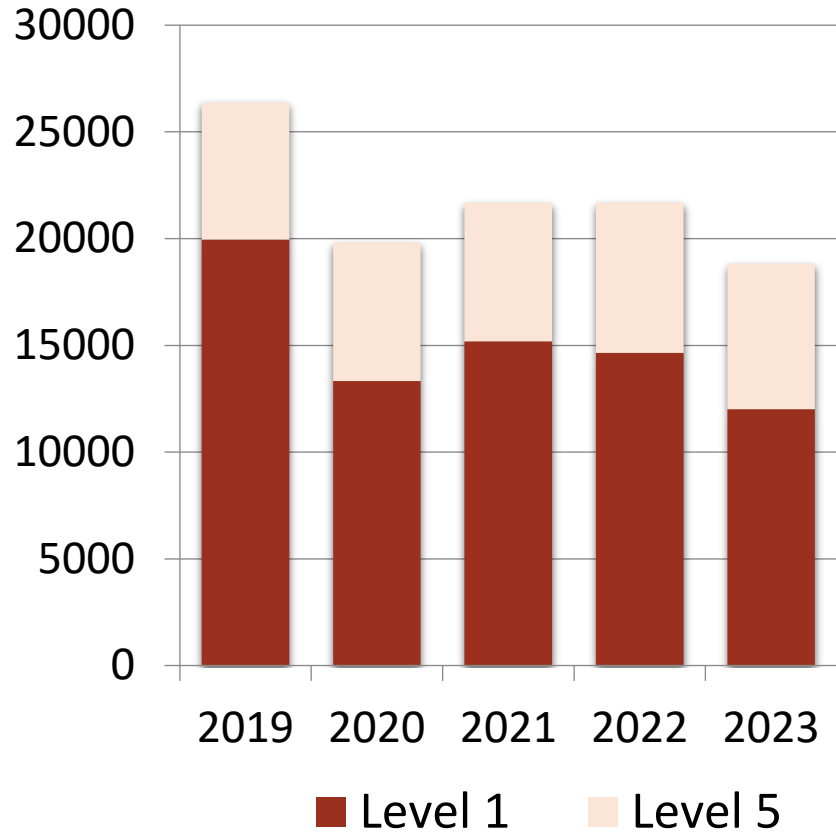
# FMCSA Inspection Metrics for Intermodal Equipment (IME)



# Chassis Inspections

Level 1 & Level 5 Inspections

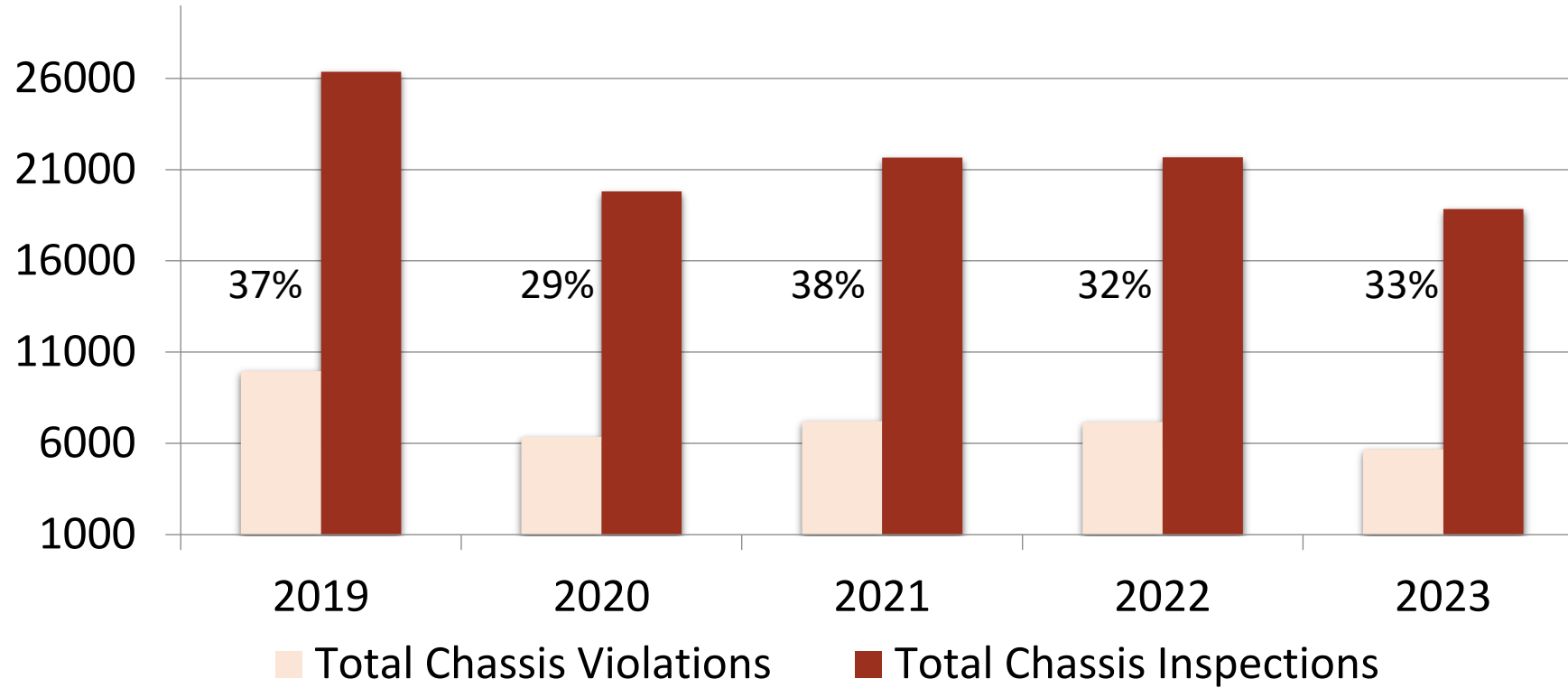
*18,835 inspections in 2023; 36% were Level 5*



# Chassis Inspections

Level 1 & Level 5 Inspections

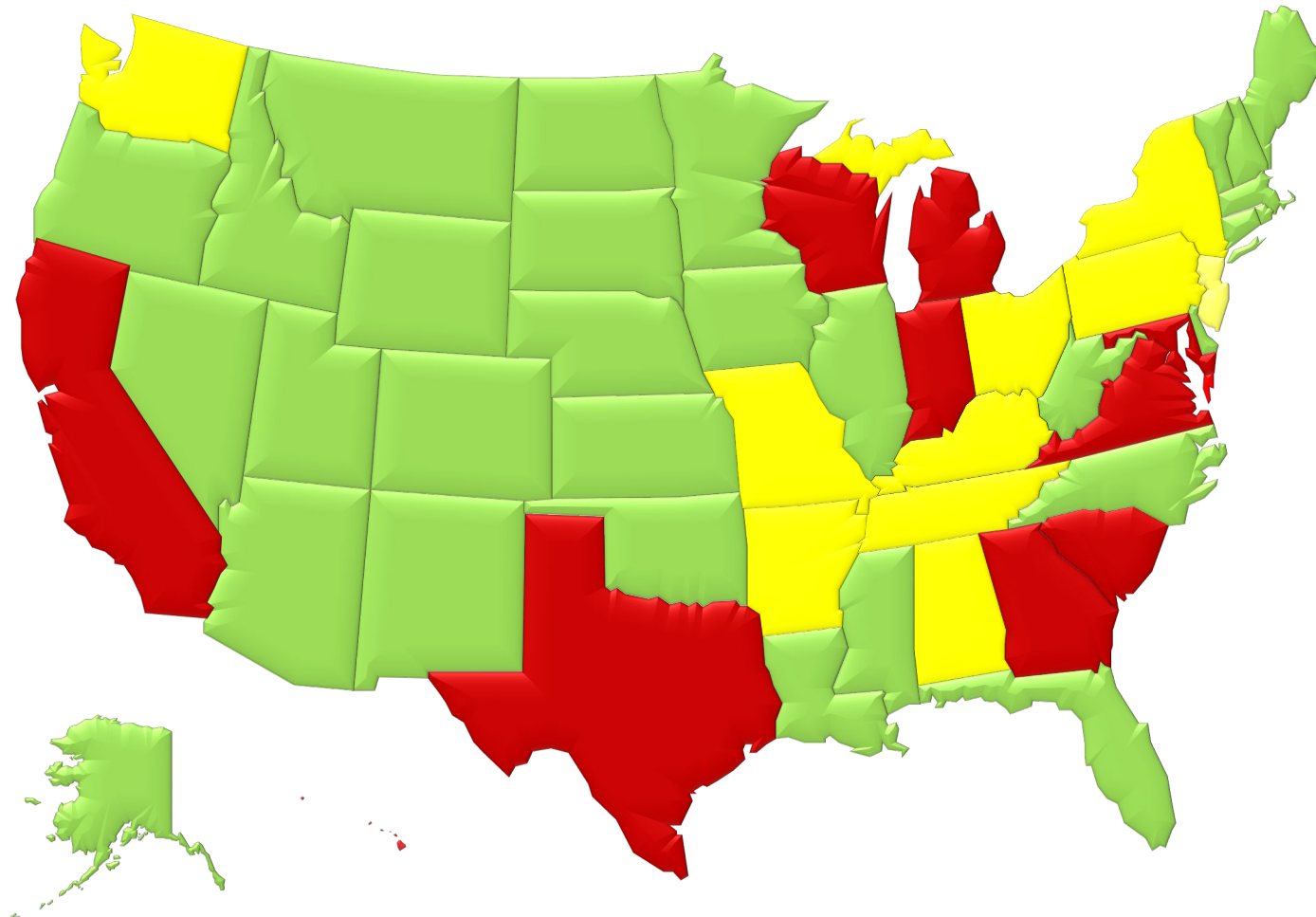
*30% of total chassis inspections in 2023 had a violation*



# Chassis Inspections

Level 1 & Level 5: 2023

**Red:** Top 10 States  
**Yellow:** 10 through 20 States  
**Green =** Below Top 20



# Top 10 Jurisdictions for Chassis Inspections

2022 vs. 2023

State	2022	% of Total	State	2023	% of Total
CA	13,708	63%	CA	11,830	63%
TX	1,524	7%	VA	1,357	7%
VA	1,063	5%	TX	1,215	6%
MD	565	3%	Federal	562	3%
Federal	459	2%	SC	351	2%
IN	439	2%	MD	321	2%
GA	355	2%	IN	278	1%
SC	346	2%	HI	273	1%
HI	328	2%	GA	264	1%
WI	313	1%	WI	256	1%



# Inspections vs. OOS Rates

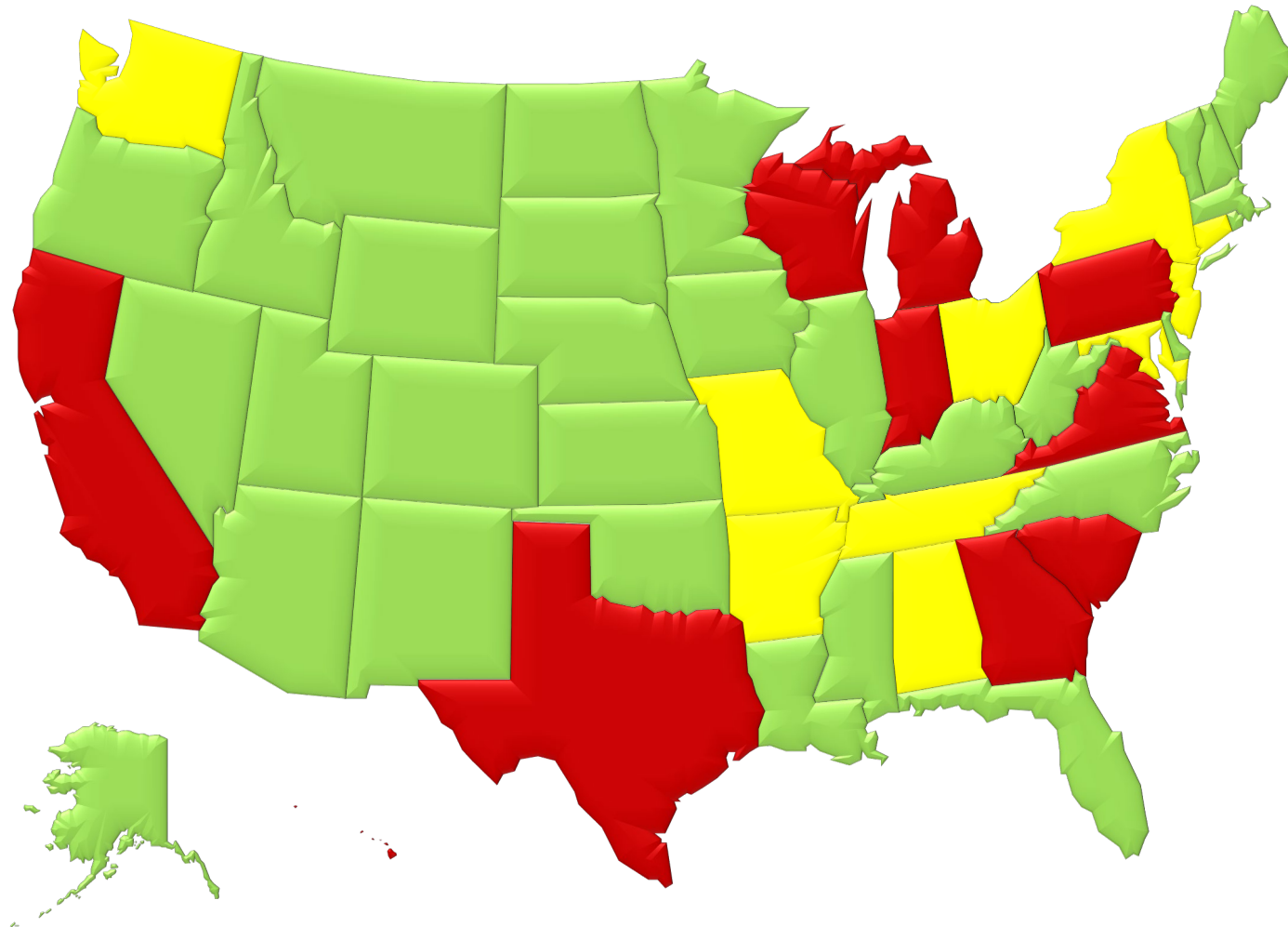
2023

State	2023	% of Total	OOS Rate
CA	11,830	63%	10%
VA	1,357	7%	11%
TX	1,215	6%	26%
Federal	562	3%	26%
SC	351	2%	23%
MD	321	2%	21%
IN	278	1%	35%
HI	273	1%	27%
GA	264	1%	38%
WI	256	1%	31%

# Chassis Violations

Level 1 & Level 5: 2023

**Red:** Top 10 States  
**Yellow:** 10 through 20 States  
**Green =** Below Top 20



# Top 10 Jurisdictions for Chassis Violations

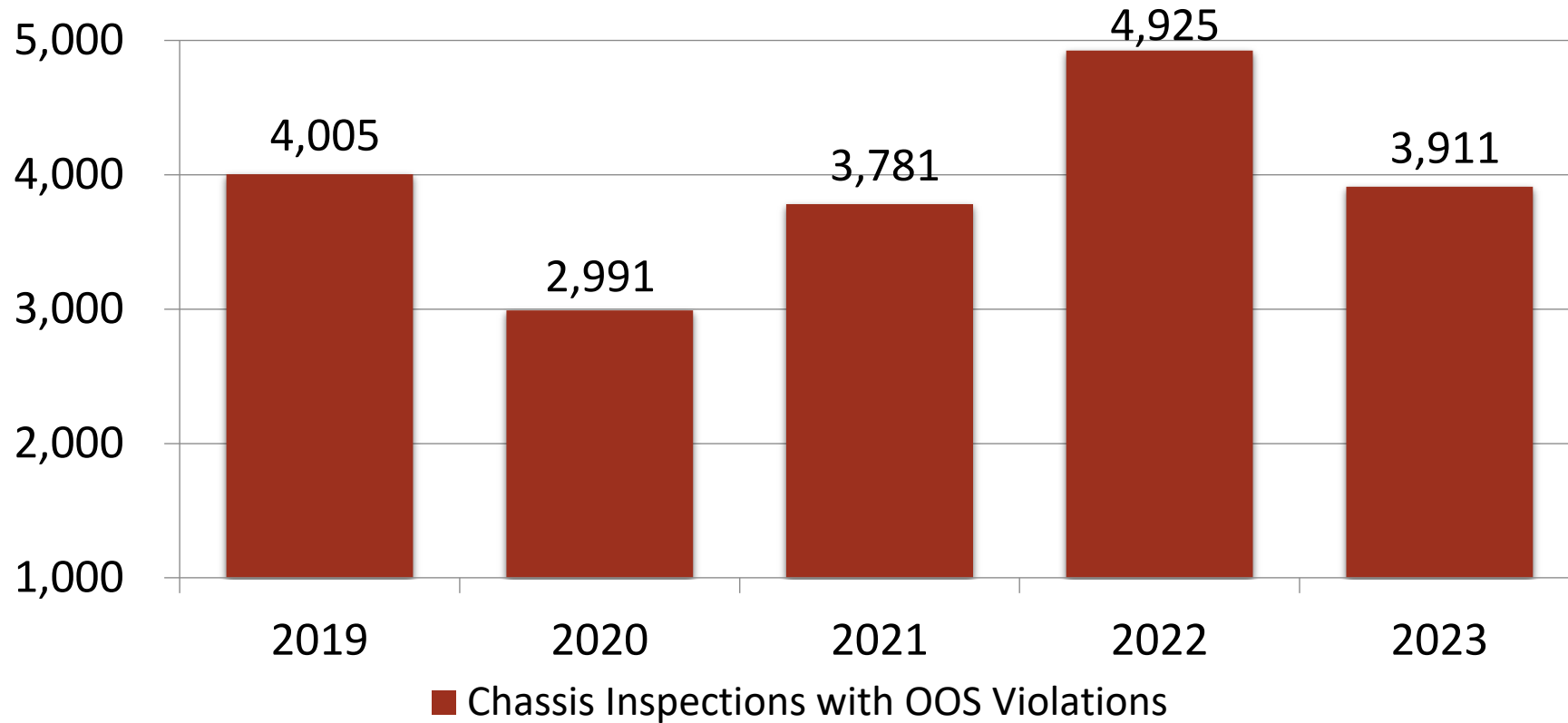
2022 vs. 2023

State	2022	% of Total	State	2023	% of Total
CA	5,090	32%	CA	3,725	30%
TX	2,459	16%	TX	1,925	16%
IN	863	5%	VA	682	6%
WI	722	5%	Federal	644	5%
VA	670	4%	WI	580	5%
PA	617	4%	IN	478	4%
HI	523	3%	MI	412	3%
Federal	462	3%	HI	388	3%
MD	458	3%	GA	380	3%
GA	404	3%	SC	333	3%



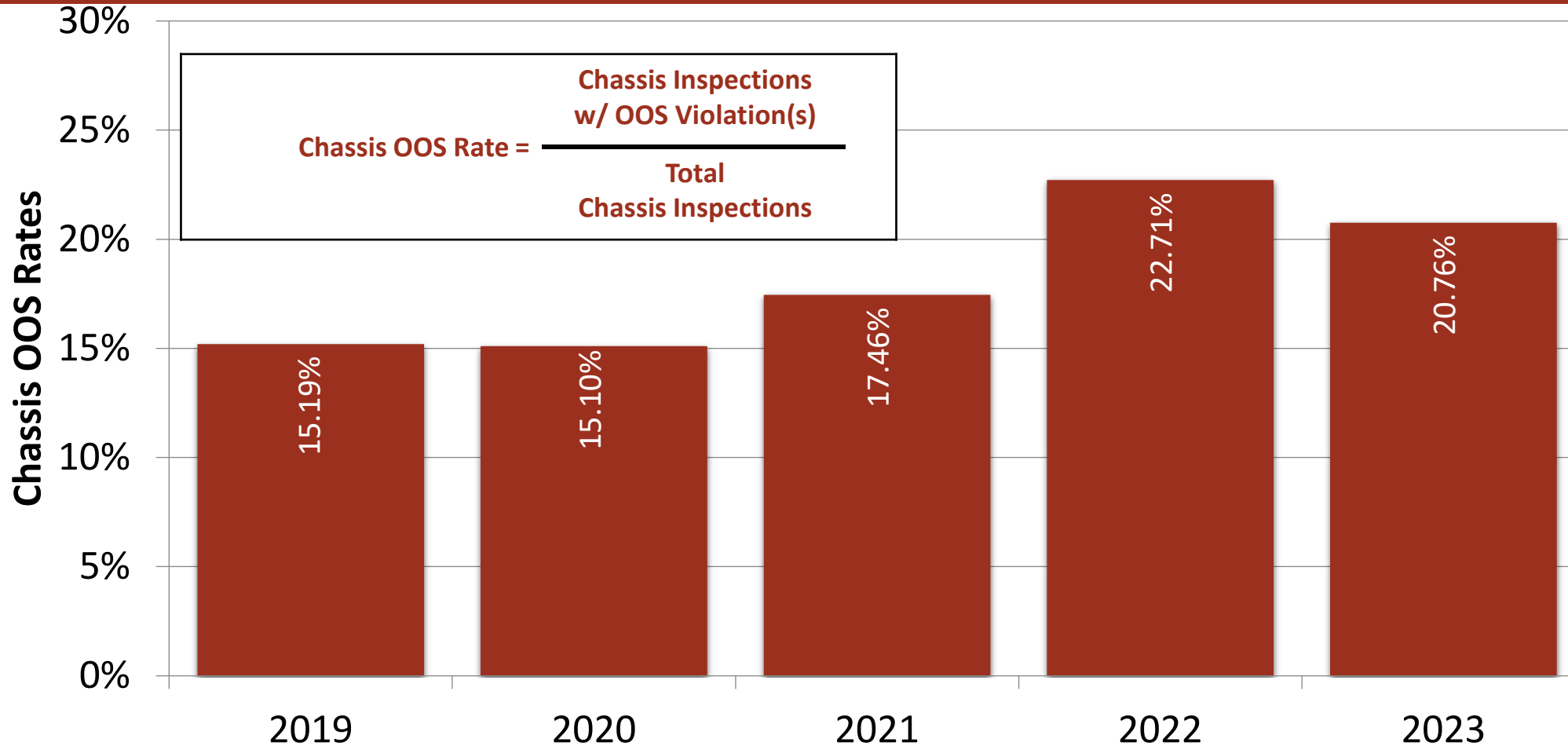
# Chassis Inspections with OOS Violations

Level 1 & Level 5 Inspections



# Chassis OOS Violations Rates

Level 1 & Level 5 Inspections



# Chassis OOS Violations Rates (Level 1)



Source: FMCSA & IANA



# Top 10 Jurisdictions with Highest Chassis OOS Rates\*

2023

State	Inspection Total	OOS Rate
Tennessee	179	49%
Michigan	206	44%
Missouri	129	43%
Georgia	264	38%
Washington	134	37%
Pennsylvania	190	36%
New York	80	36%
Indiana	278	35%
Arkansas	139	34%
Wisconsin	256	31%

\* Jurisdictions with a minimum of 50 total inspections

Level 1 & Level 5 Inspections

# Top 10 Jurisdictions with Lowest Chassis OOS Rates\*

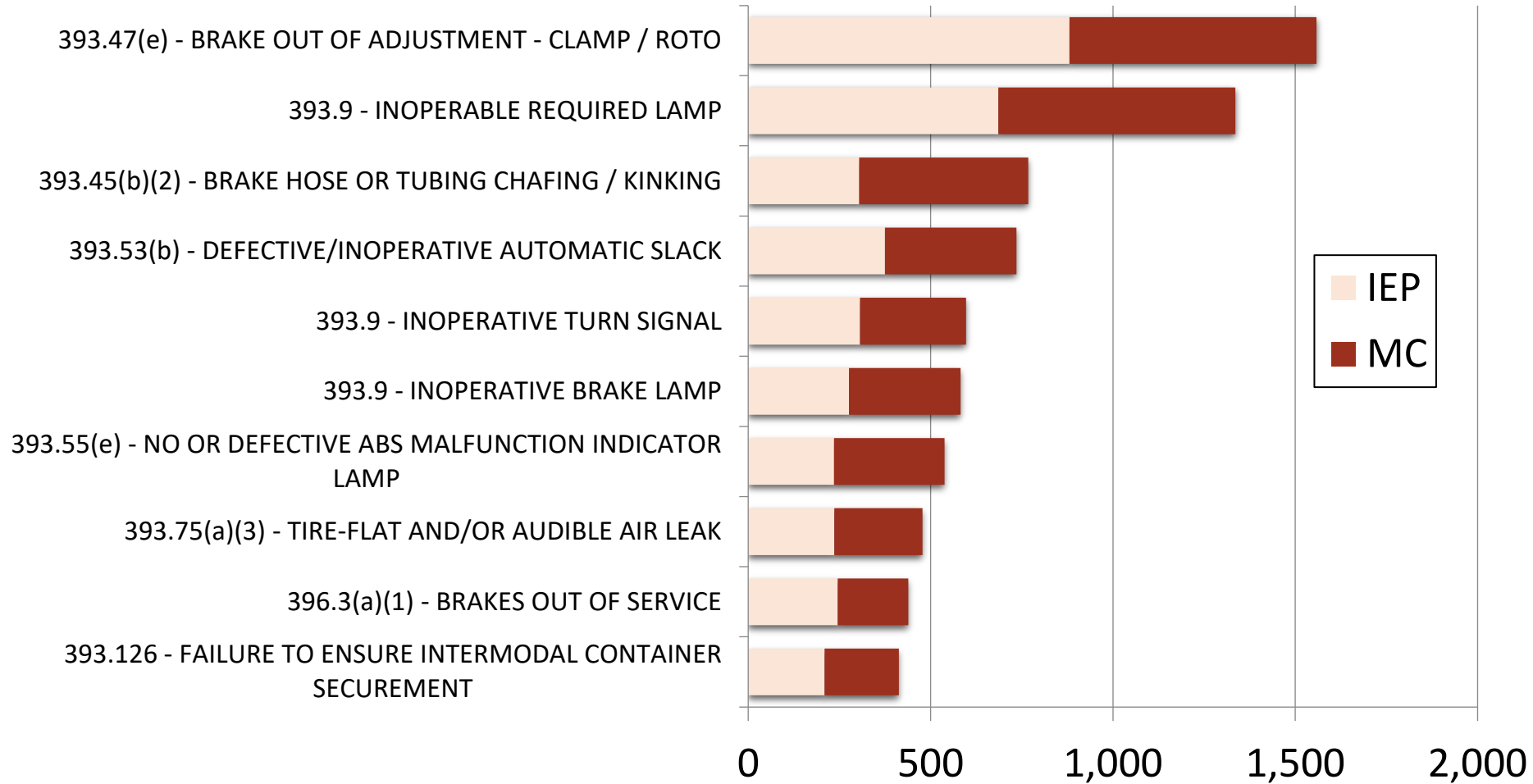
2023

State	Inspection Total	OOS Rate
California	11,830	10%
Virginia	1,357	11%
Arizona	58	19%
Kentucky	78	21%
Maryland	321	21%
New Jersey	74	23%
South Carolina	351	23%
Illinois	57	25%
Federal	562	26%
Texas	1,215	26%

Level 1 & Level 5 Inspections

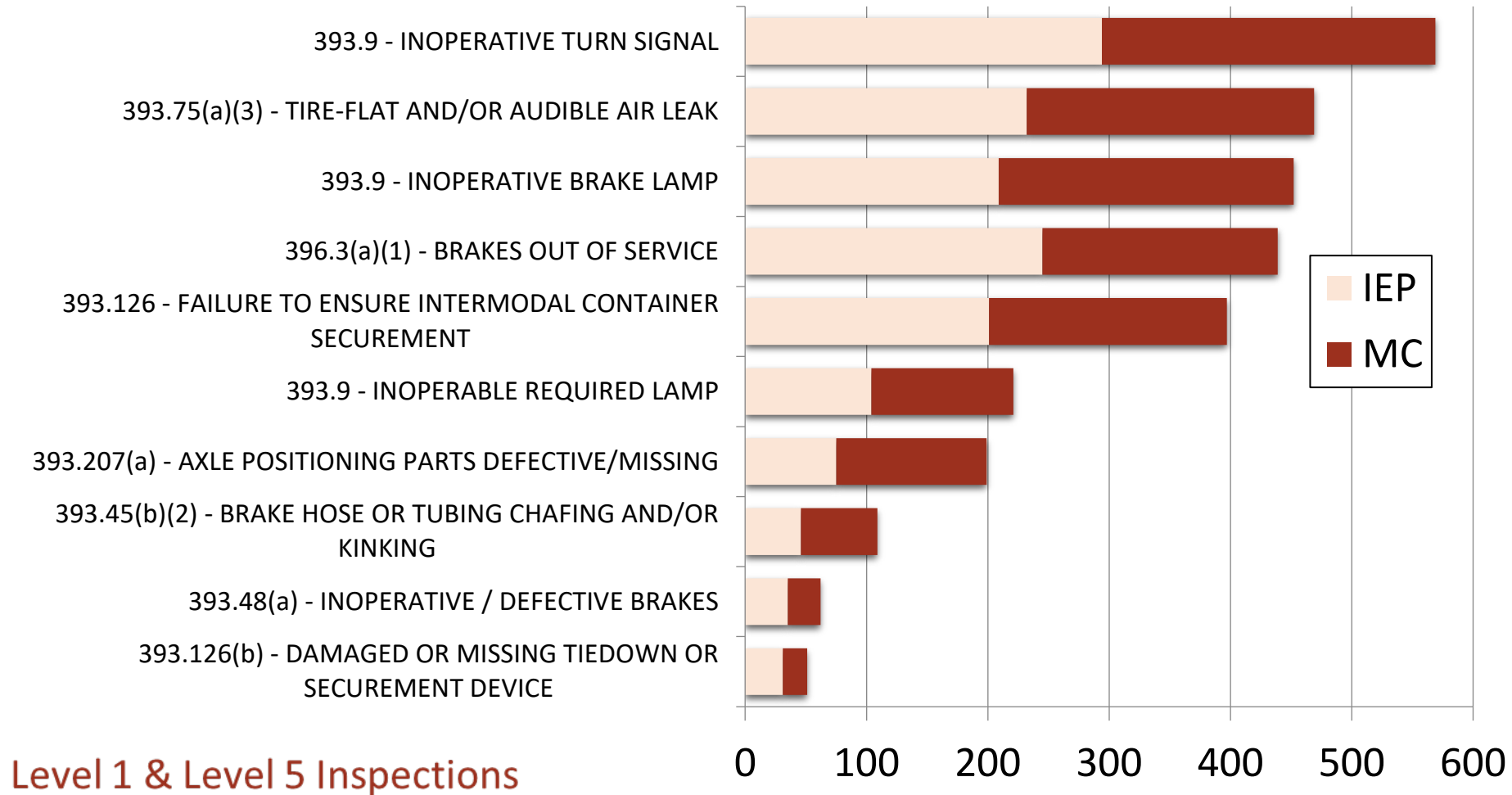
\* Jurisdictions with a minimum of 50 total inspections

# Top 10 Chassis Violations



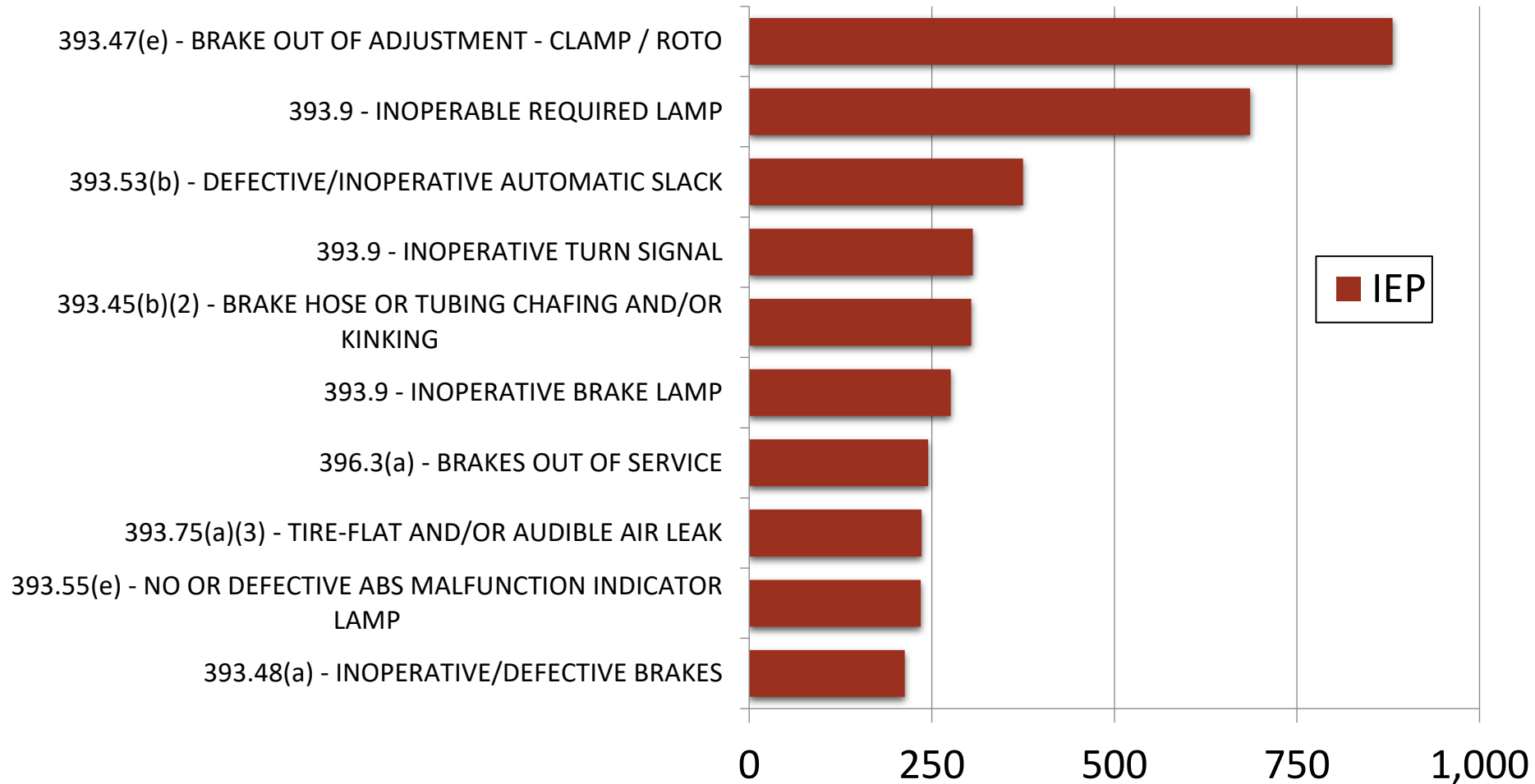
Level 1 & Level 5 Inspections

# Top 10 Chassis OOS Violations



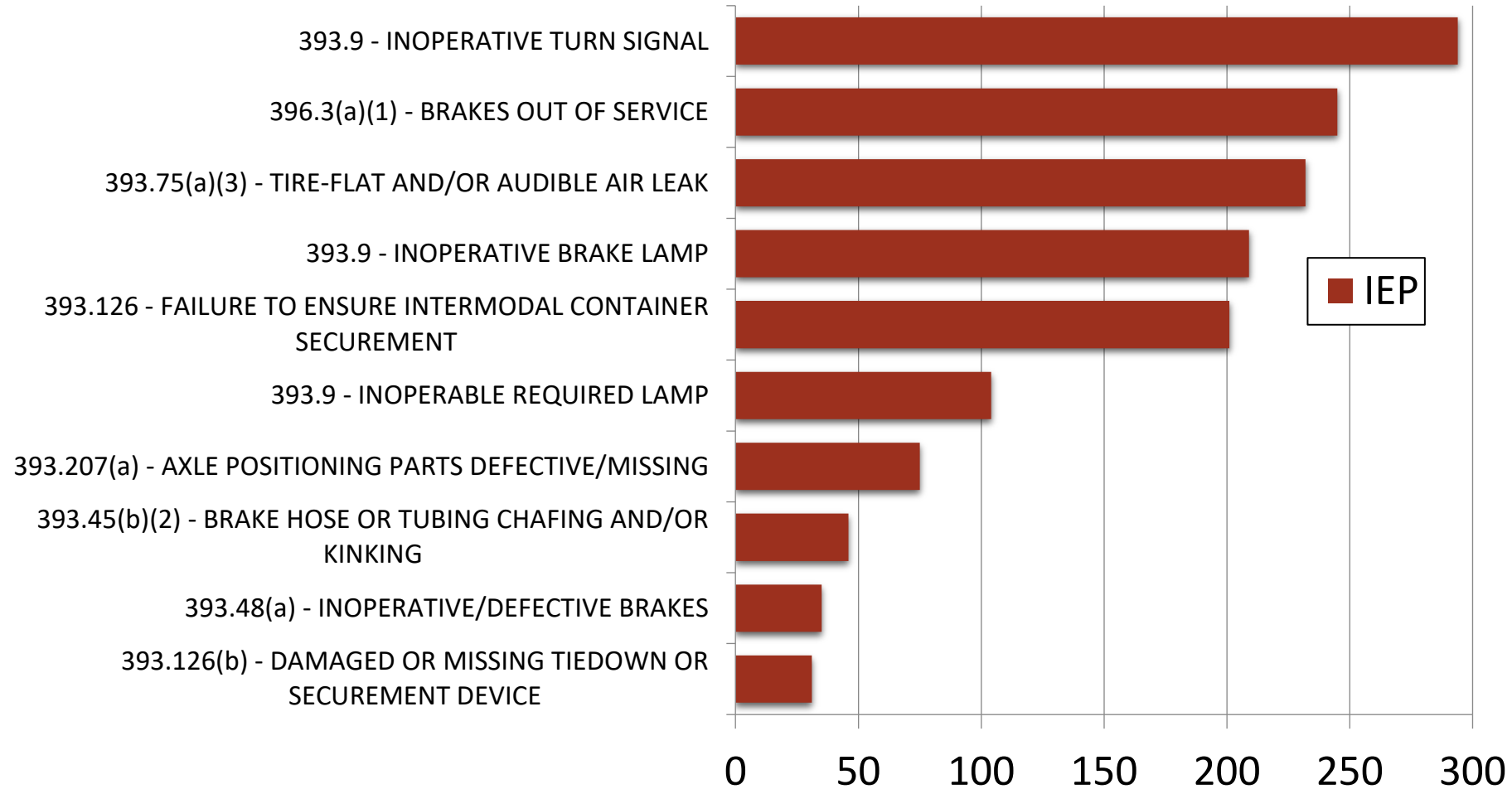


# Top 10 Chassis Violations (IEP)



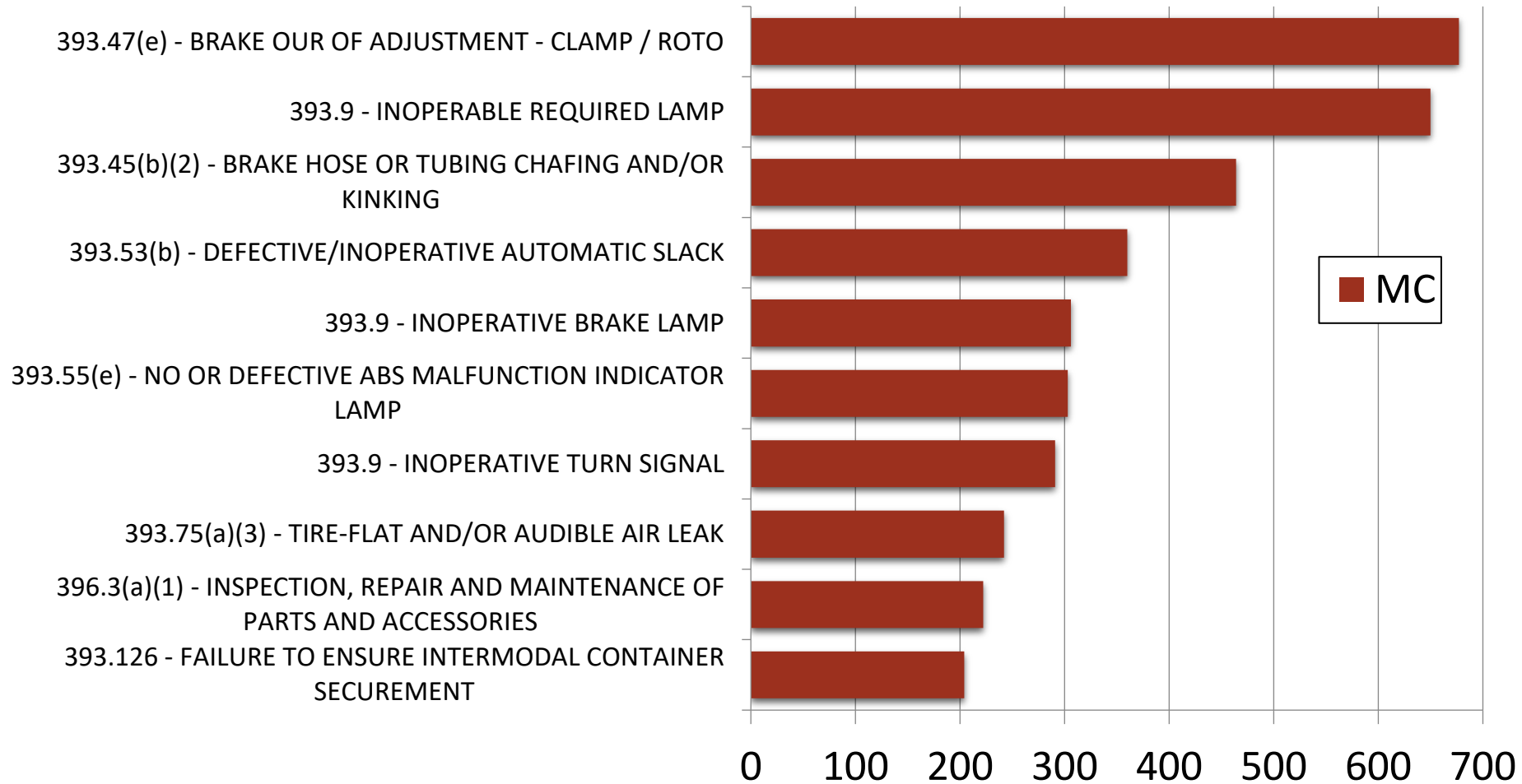
Level 1 & Level 5 Inspections

# Top 10 Chassis OOS Violations (IEP)



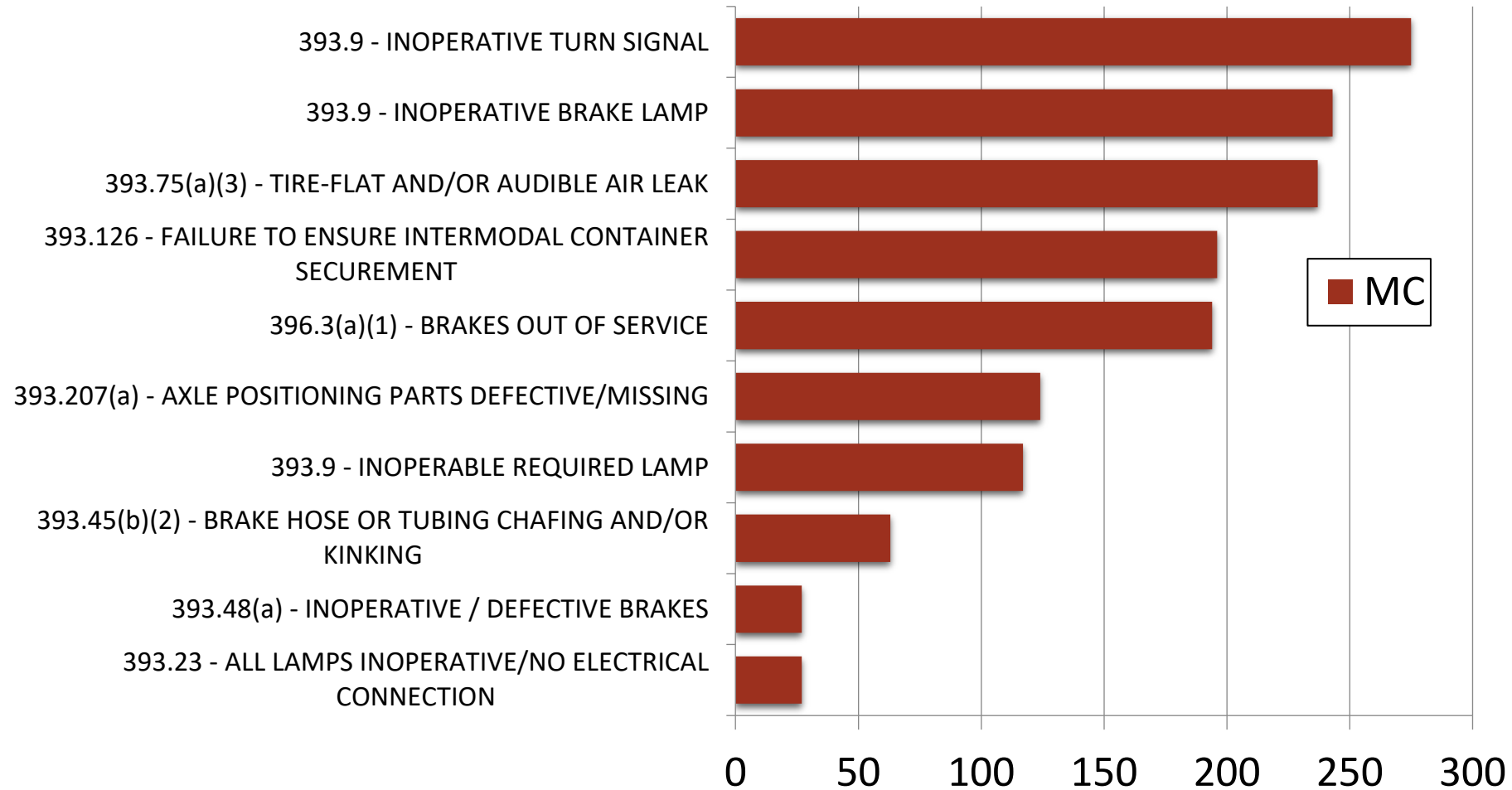
Level 1 & Level 5 Inspections

# Top 10 Chassis Violations (MC)



Level 1 & Level 5 Inspections

# Top 10 Chassis OOS Violations (MC)

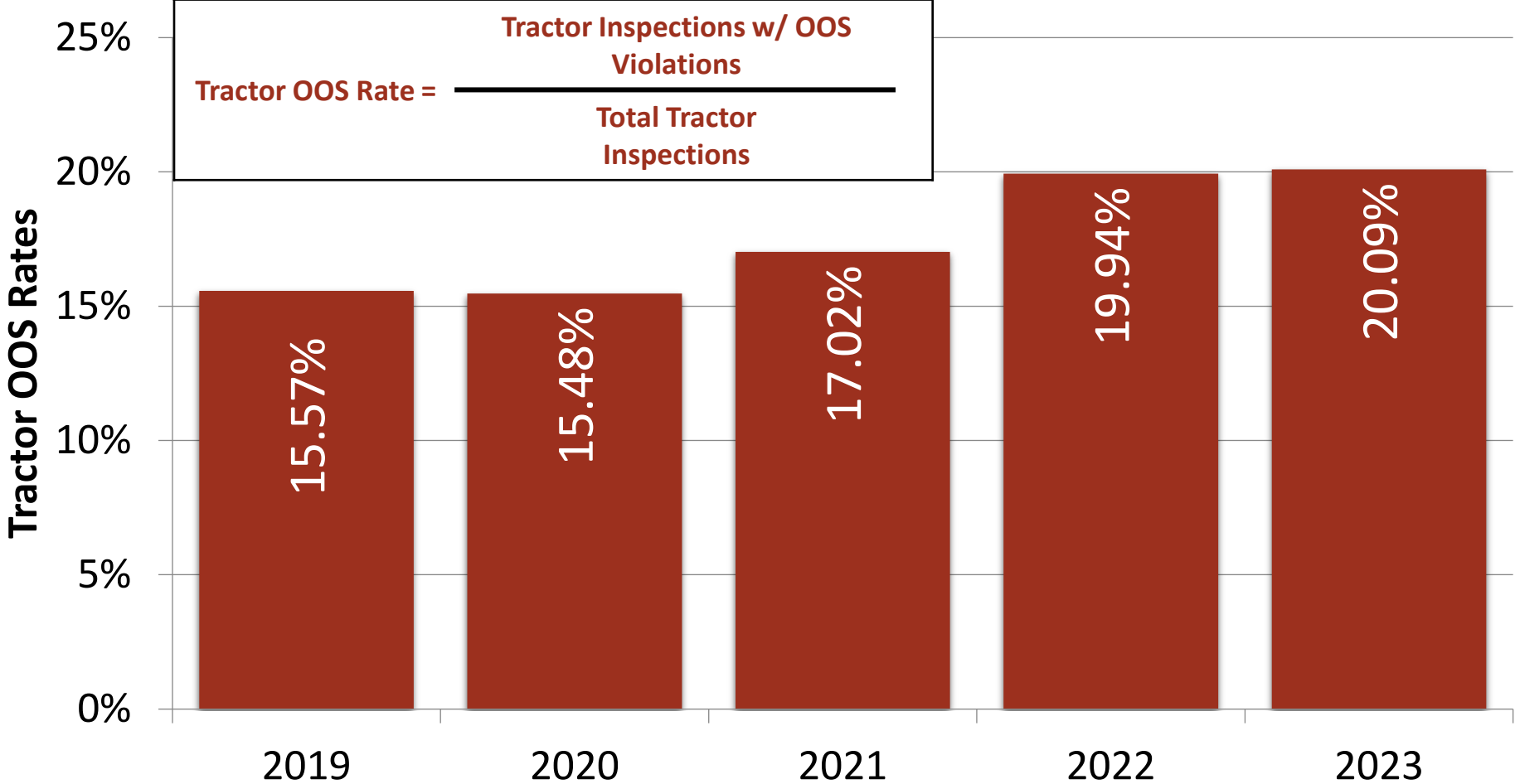


Level 1 & Level 5 Inspections



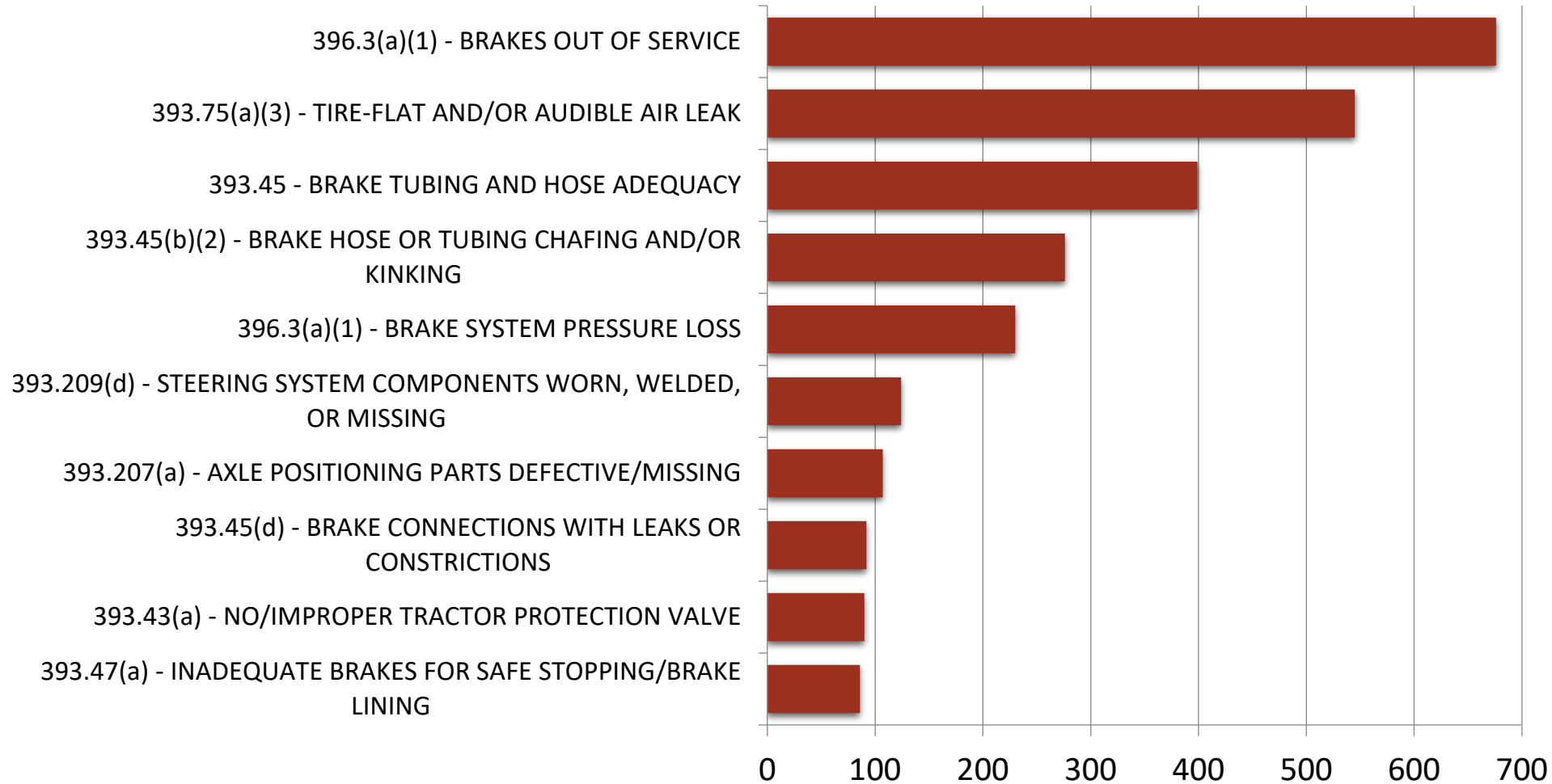
# Tractor OOS Violation Rates

Level 1 & Level 5 Inspections involving Intermodal Chassis

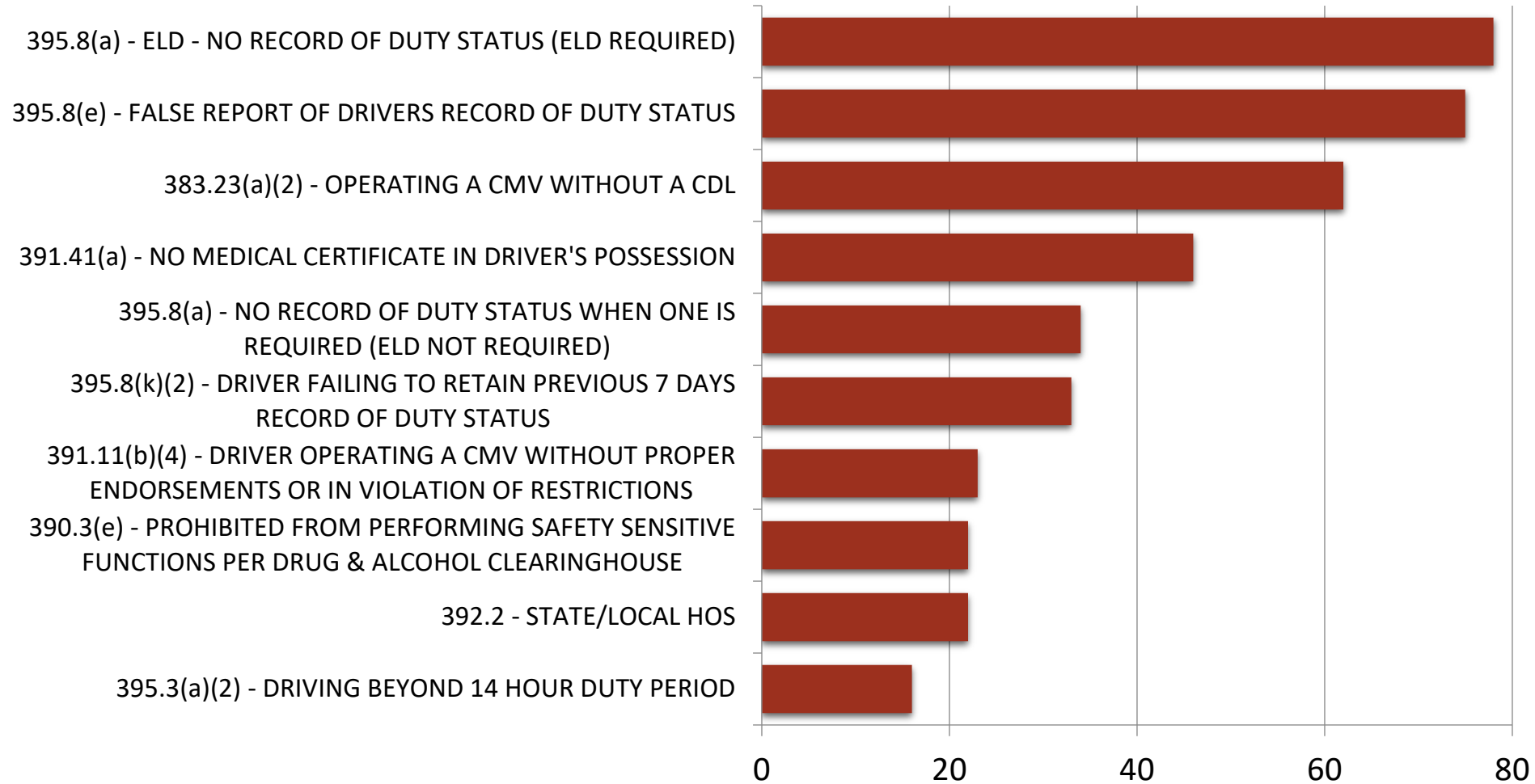


Source: FMCSA & IANA

# Top 10 Tractor OOS Violations



# Top 10 Driver OOS Violations

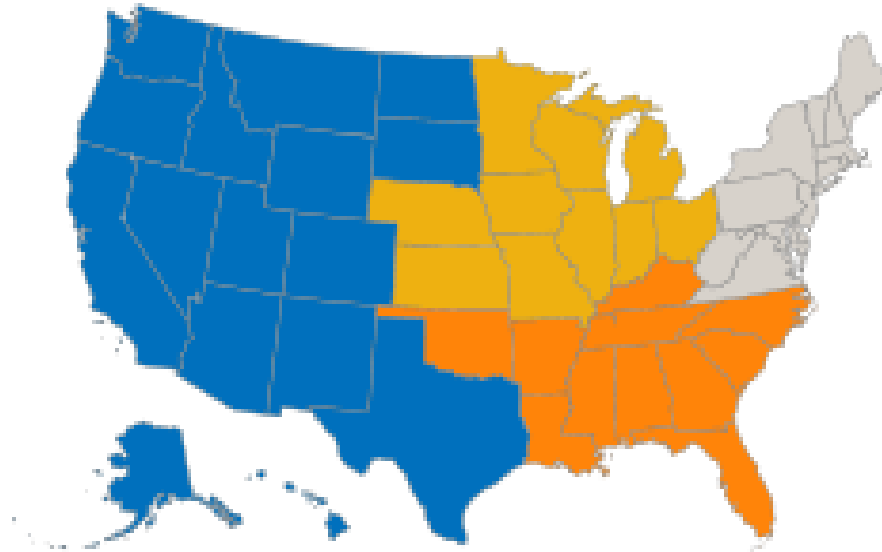




# FMCSA Intermodal Equipment Provider Program



# FMCSA Regions



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■ Western Service Center   ■ Southern Service Center   ■ Eastern Service Center   ■ Midwestern Service Center

# FMCSA IEP Program Contacts

## Western Service Center

AK, AZ, CA, CO, HI, ID, MT, ND, NM, NV, OR, SD, TX, UT, WA, WY, Am. Samoa, Guam, Northern Mariana Islands

**Traci Johnson**, Safety Operations Program Manager, [Traci.Johnson@dot.gov](mailto:Traci.Johnson@dot.gov), (360) 951-7920

## Southern Service Center

AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN

**Sean Anderson**, Safety Operations Program Manager, [Sean.Anderson@dot.gov](mailto:Sean.Anderson@dot.gov), (502) 330-6973

## Eastern Service Center

CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, PR, RI, VA, VT, WV

**Stephen Hrabovsky**, Service Center Director, [Stephen.Hrabovsky@dot.gov](mailto:Stephen.Hrabovsky@dot.gov), (443) 703-2247

**Donald Orye**, Safety Investigator, [Donald.Orye@dot.gov](mailto:Donald.Orye@dot.gov)

**Mariana Greco**, Safety Investigator, [Mariana.Greco@dot.gov](mailto:Mariana.Greco@dot.gov)

## Midwestern Service Center

IA, IL, IN, KS, MI, MN, MO, NE, OH, WI

**Chelsea Castaneda**, Safety Operations Program Manager, [Chelsea.Castaneda@dot.gov](mailto:Chelsea.Castaneda@dot.gov), (785) 230-5184

**Kevin Hall**, Safety Investigator, [Kevin.Hall@dot.gov](mailto:Kevin.Hall@dot.gov), (573) 469-2111



# Old Business





# New Business



# M&R Roundtable Discussion Group

- Monthly one hour meeting
- Industry professionals engaged collaborative and non-competitive discussion
- Led by a moderator (Group Leader) – moderator can be switched out monthly
- Discussion comprised of timely or compelling topic, industry issue or concern
- Potential for creating new Working Groups and Task Forces, educational sessions and topics for EXPO and Business Meeting
- Excellent opportunity for networking, professional development and collaboration



# New Business

- Items from the Floor
- Next Meeting:  
IANA Intermodal EXPO  
Long Beach, CA  
September 9 – 11, 2024

A large cargo ship is docked at a port at night. The ship's deck is filled with stacks of colorful shipping containers. The ship is illuminated by bright lights, and the lights reflect on the water in the foreground. A semi-transparent, dark rectangular box is overlaid on the middle of the image, containing the word "Adjourn" in white, bold, sans-serif font.

**Adjourn**