

Analysis of FRA Inspection Data

James H. Rader

VP Greenbrier Management Services



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Origin of Data

- Inspection Process and Data Collection
- Freedom of Information Act Request
- Data Analysis by Major Part and Section

Inspection Process and Data Collection

- The front lines in the inspection and civil penalty process is the FRA Safety Inspectors.
- FRA employs hundreds of safety inspectors, which are supplemented by the states participating in enforcement of the federal rail safety laws.
- These inspectors routinely inspect the equipment, track, signal systems, hazardous material shipments, and observe the operations of the nation's railroads.
- They also investigate complaints filed annually by those alleging noncompliance with the laws.
- When inspection or complaint investigation reveals noncompliance with the laws, each noncomplying condition or action is listed on an inspection report.
- Where the inspector determines that the best method of promoting compliance is to assess a civil penalty, he or she prepares a violation report, which is essentially a recommendation to the FRA Office of Chief Counsel to assess a penalty based on the evidence provided in or with the report.
- FRA enters the inspection reports into its enforcement data system.

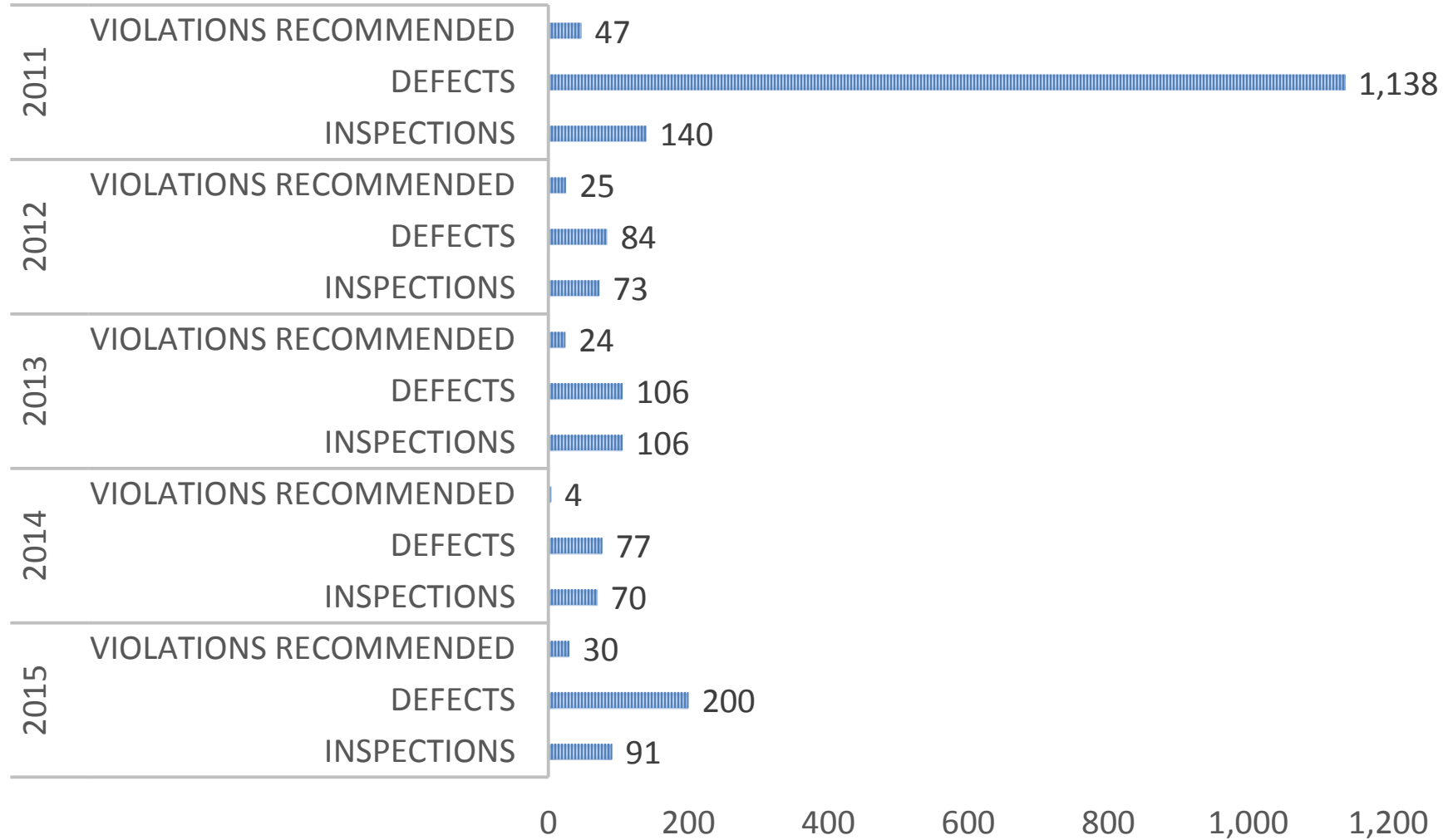
Freedom of Information Act Request

- Under the Freedom of Information Act (“FOIA”), individuals may request enforcement data from the FRA Office of Safety Assurance and Compliance.
- The enforcement data identifies the major rule and section written on the FRA inspector’s report.
- Using the major rule and section, filtering the data by the number of defects, and then charting the defects provides a “*snapshot*” of the agency’s enforcement findings.
- These findings provide evidence of weaknesses in the Nation’s training and educational programs with respect to the items under observation.
- The goal of this presentation is to bring awareness of FRA’s enforcement findings so that individual companies can address gaps in their training programs and employee training needs.

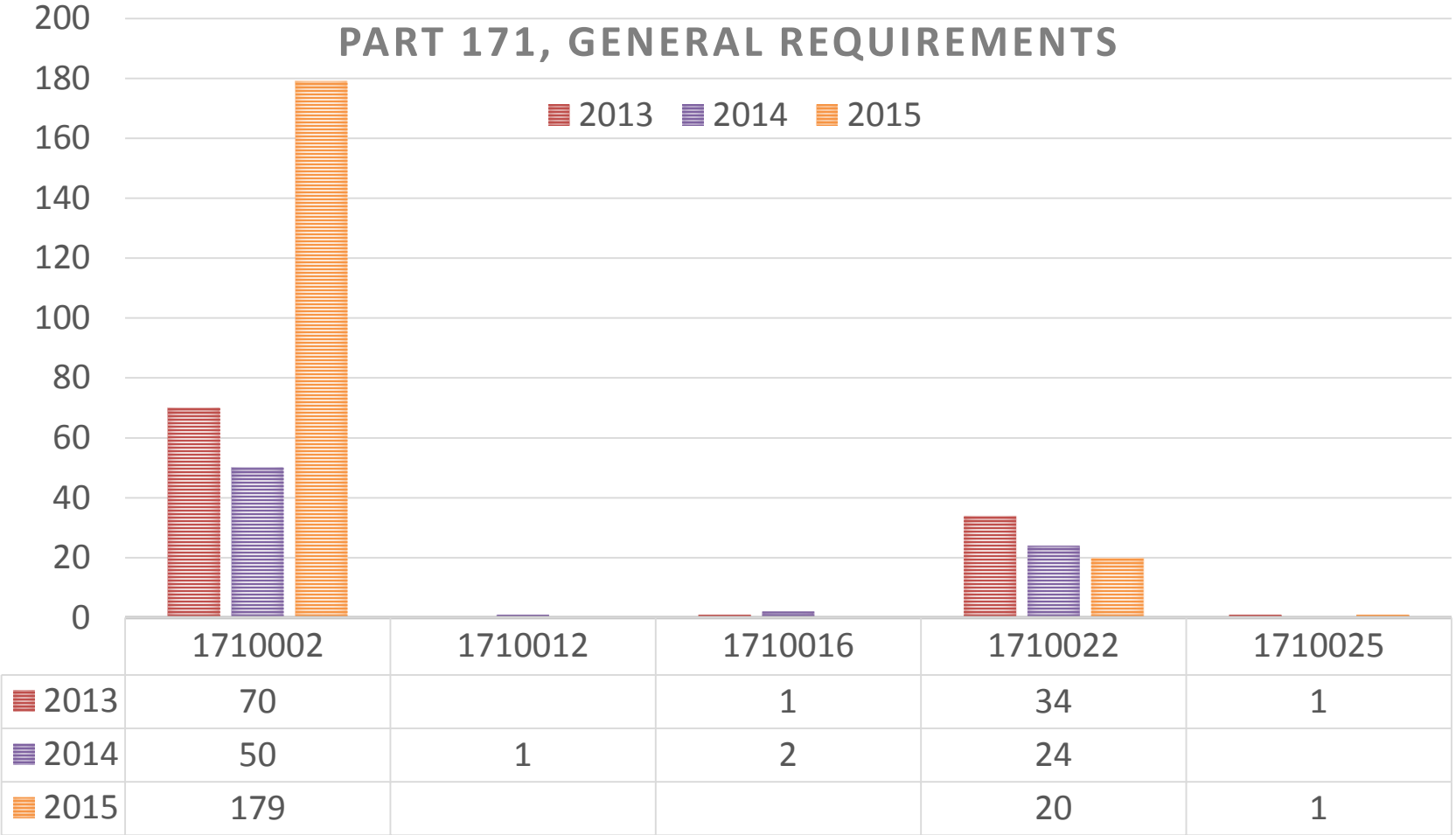
49 CFR: Selected Railroad Transportation Statistics

DATA ANALYSIS BY MAJOR PART AND SECTION

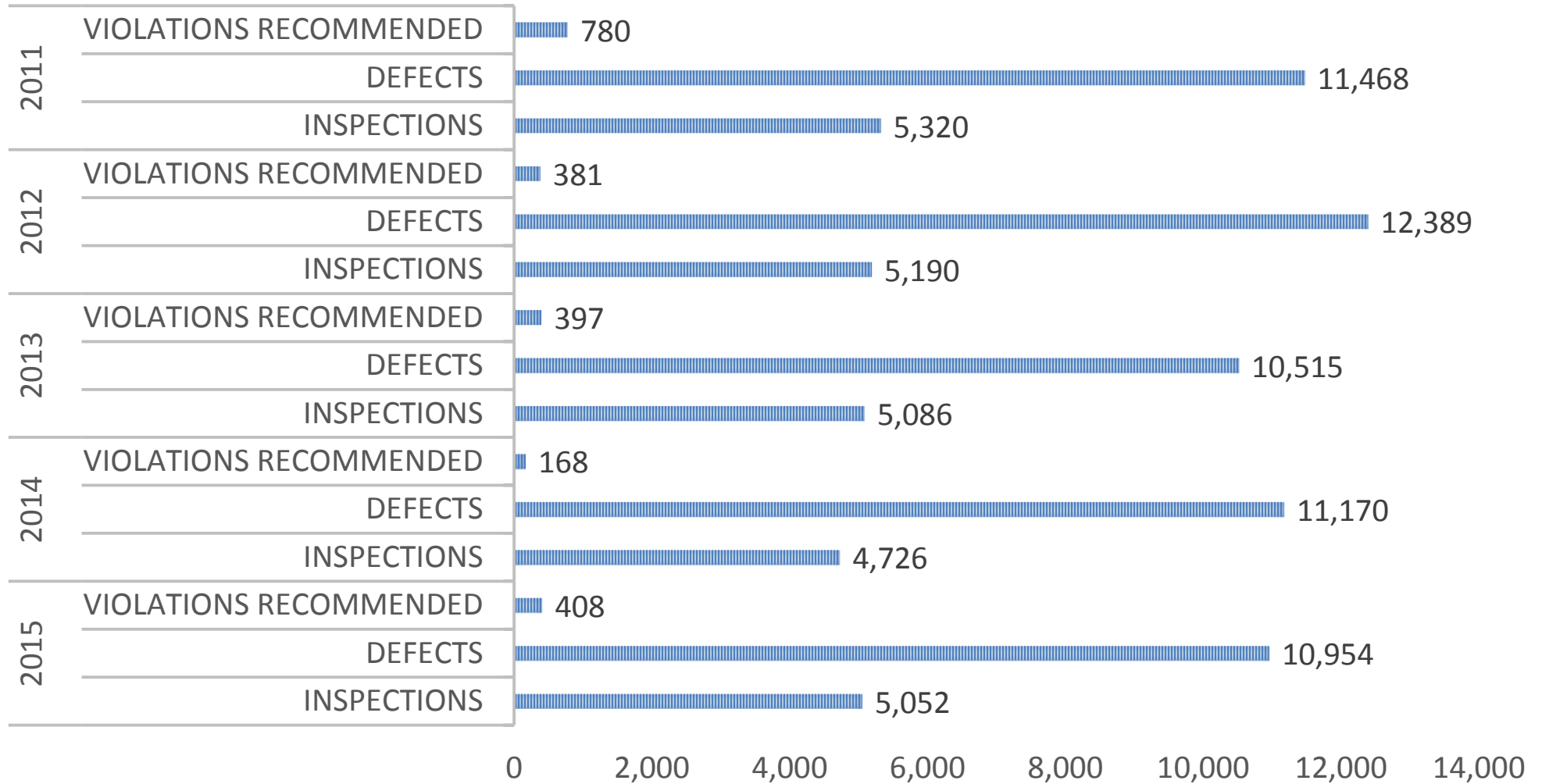
PART 171, GENERAL REQUIREMENTS



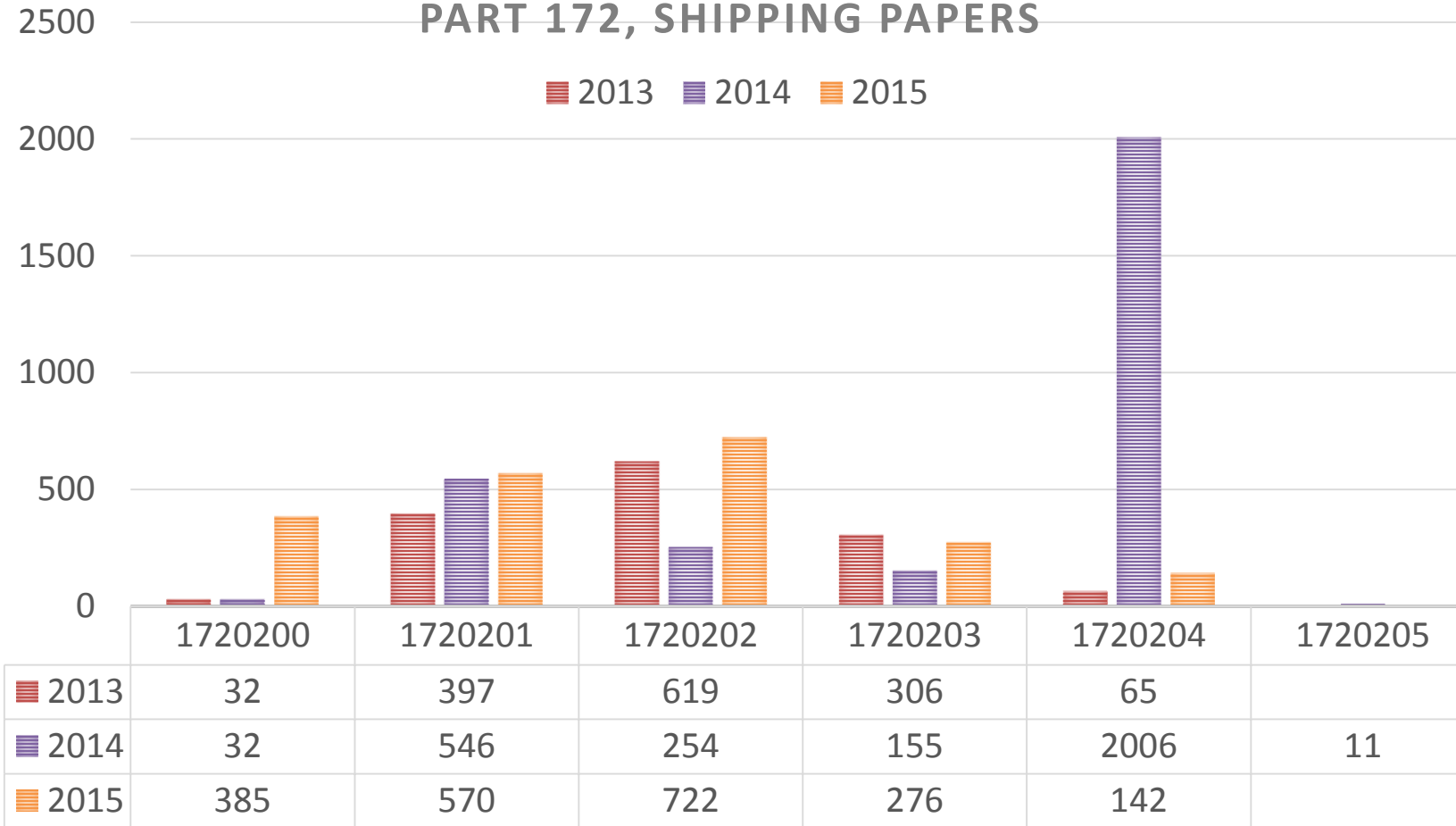
PART 171, GENERAL REQUIREMENTS



PART 172, HAZARD COMMUNICATION, TRAINING, AND SECURITY

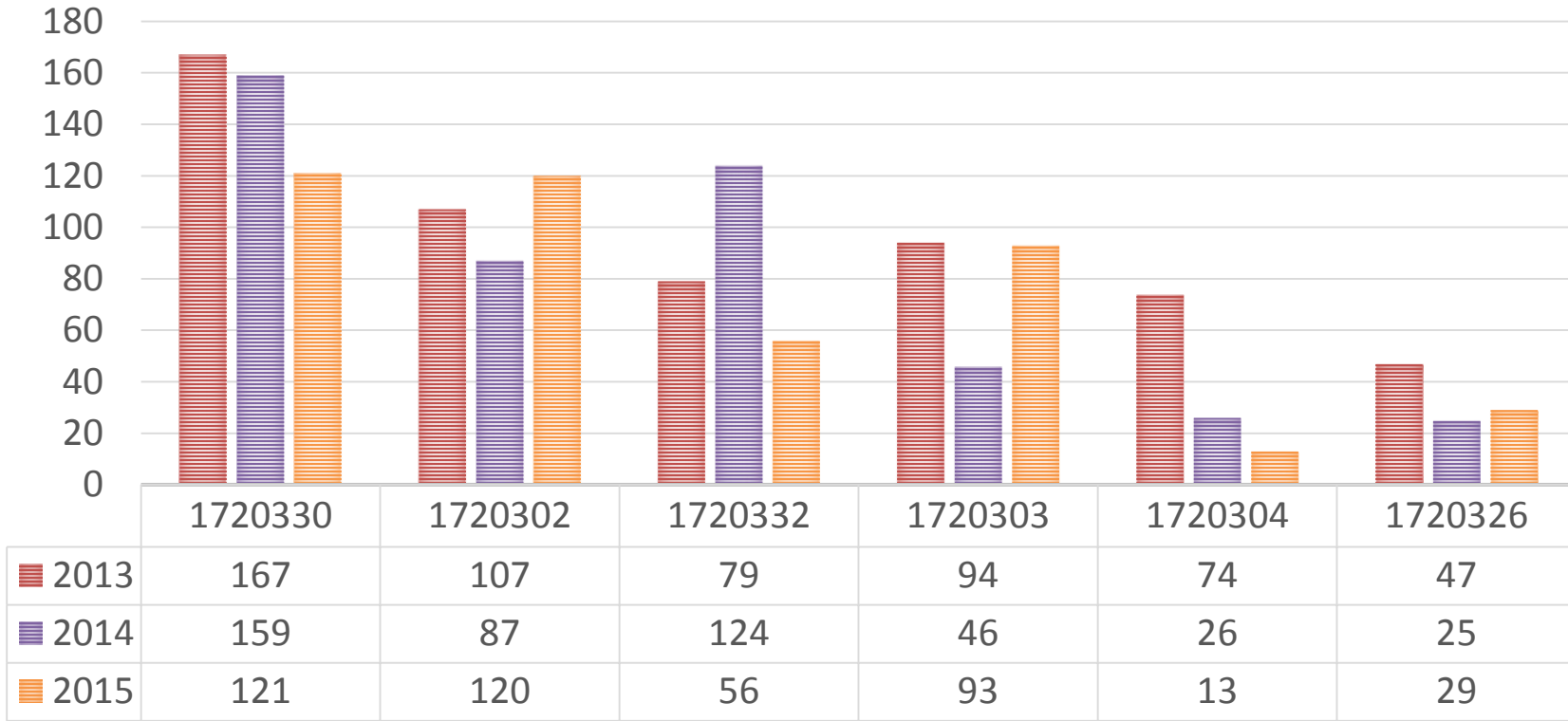


PART 172, SHIPPING PAPERS



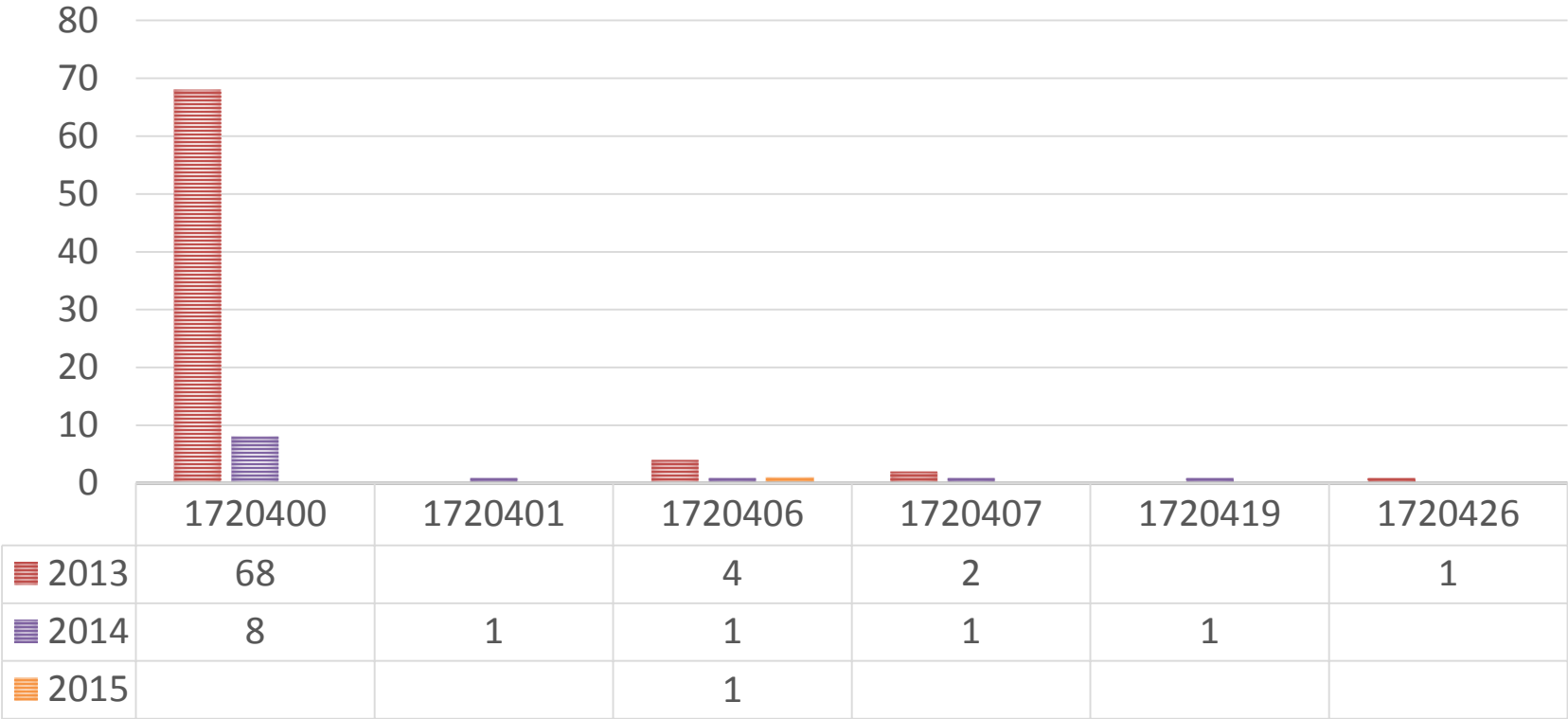
PAT 172, MARKINGS

2013 2014 2015

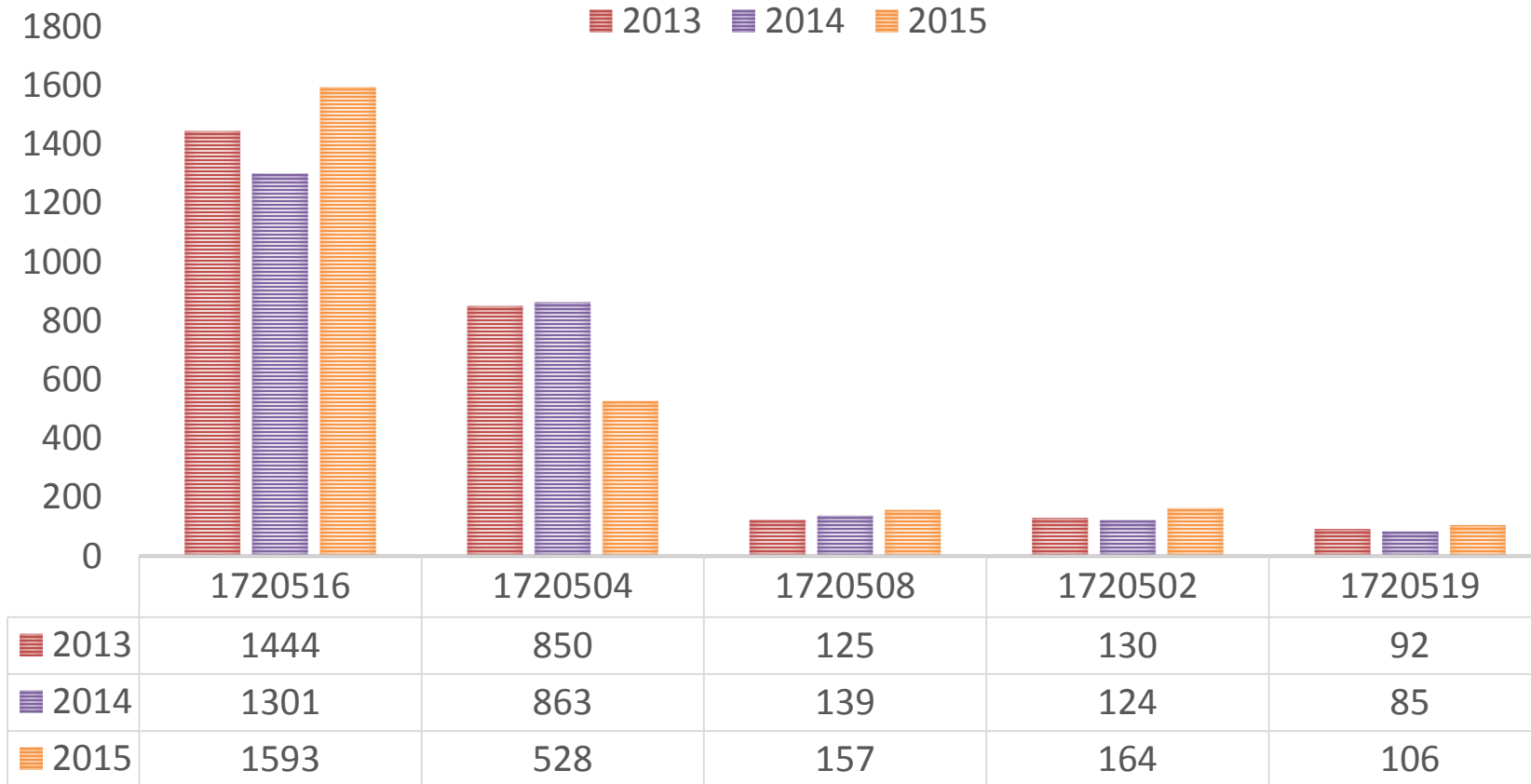


PART 172, LABELING

2013 2014 2015

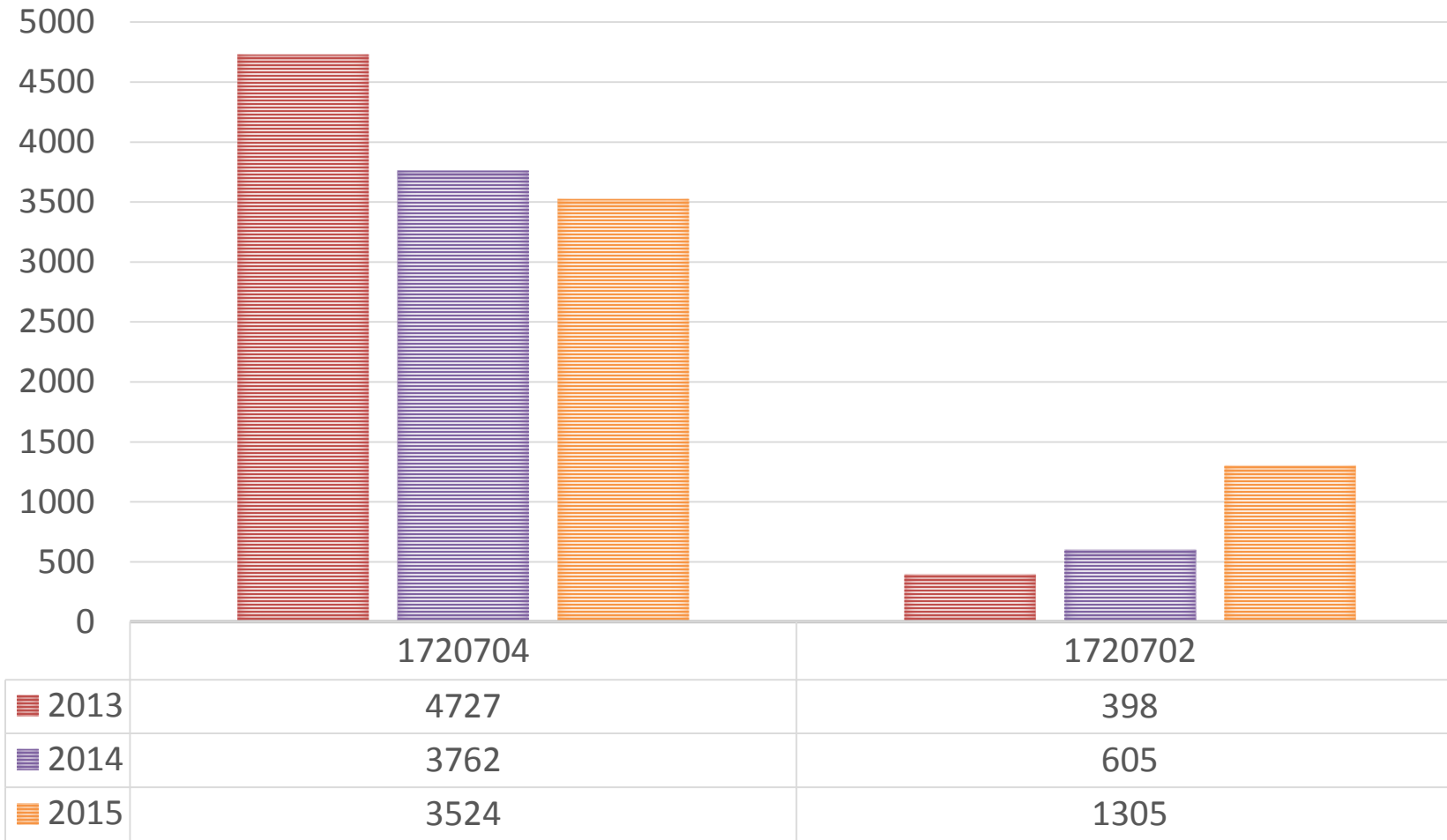


PART 172, PLACARDING



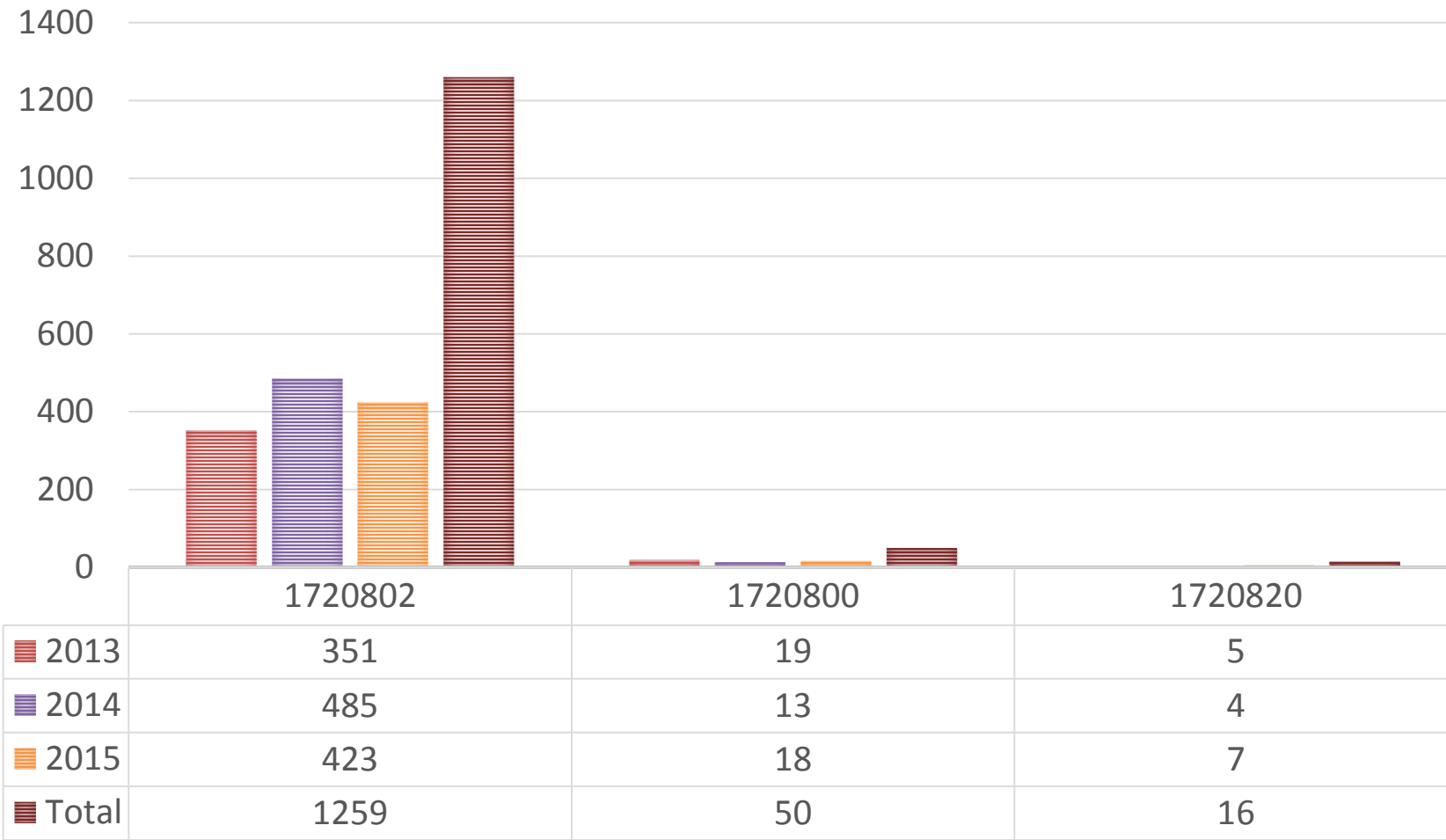
PART 172, TRAINING

■ 2013 ■ 2014 ■ 2015

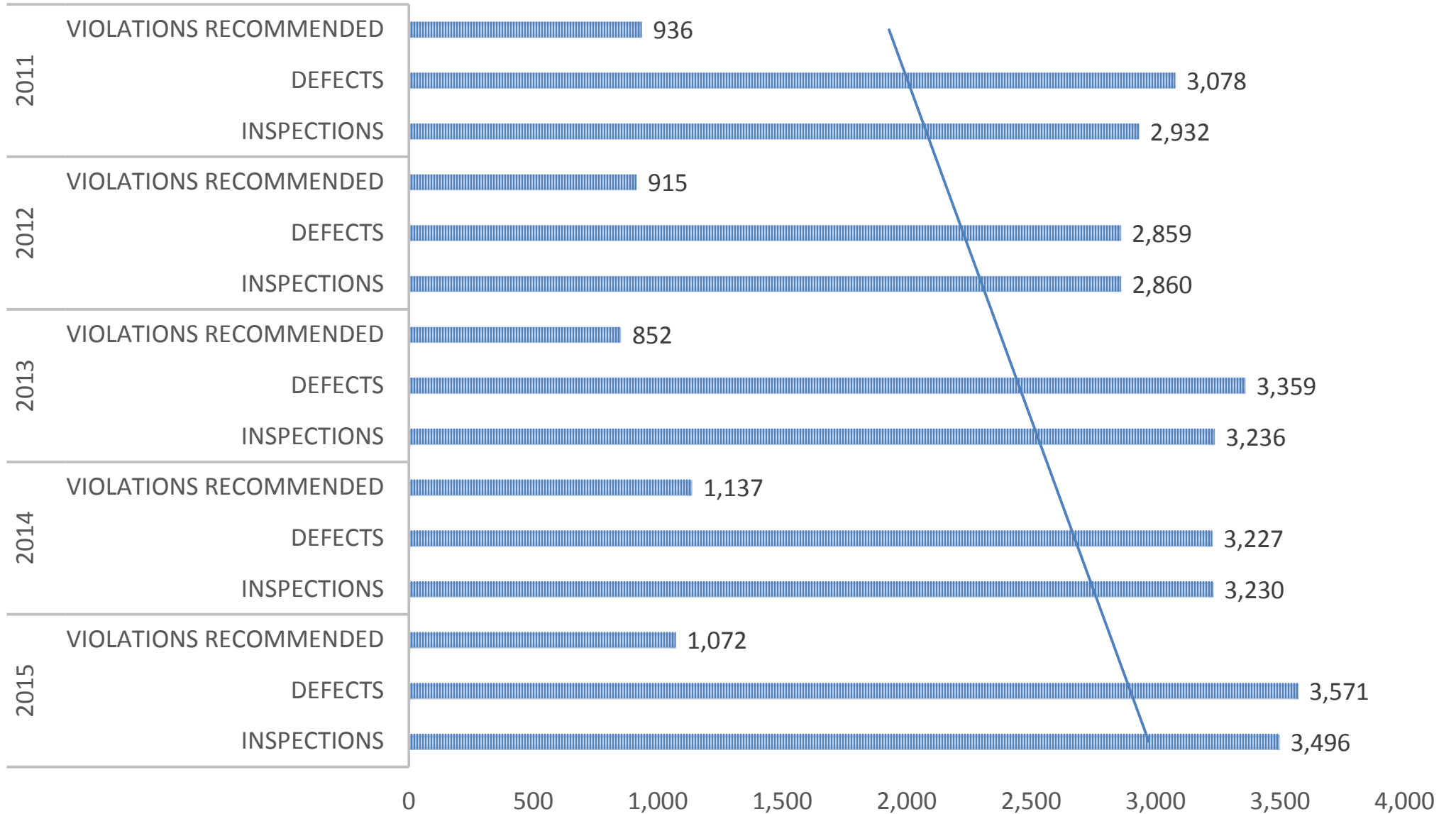


PART 172, SECURITY

■ 2013 ■ 2014 ■ 2015 ■ Total

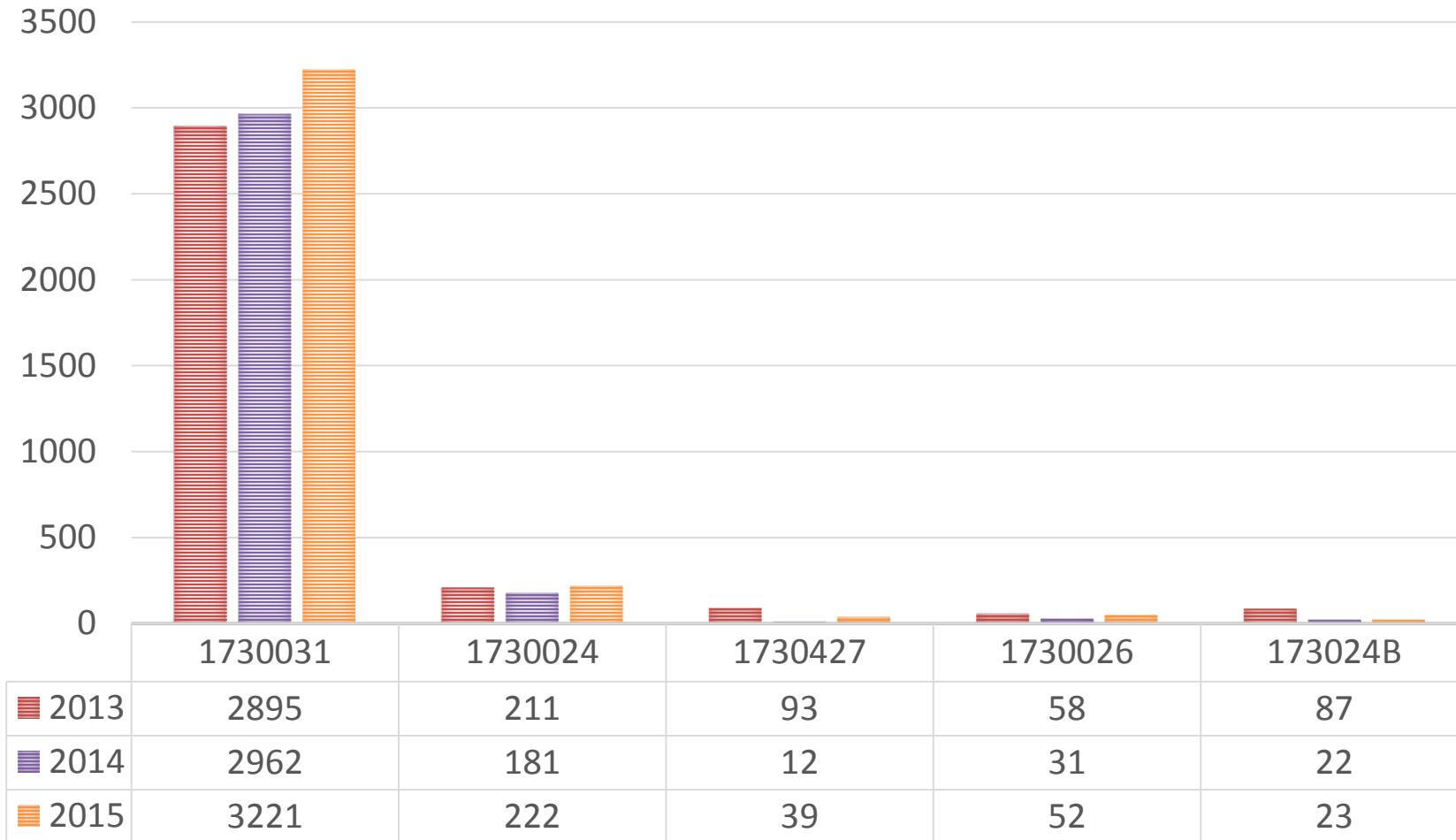


PART 173, SHIPPER'S REQUIREMENTS

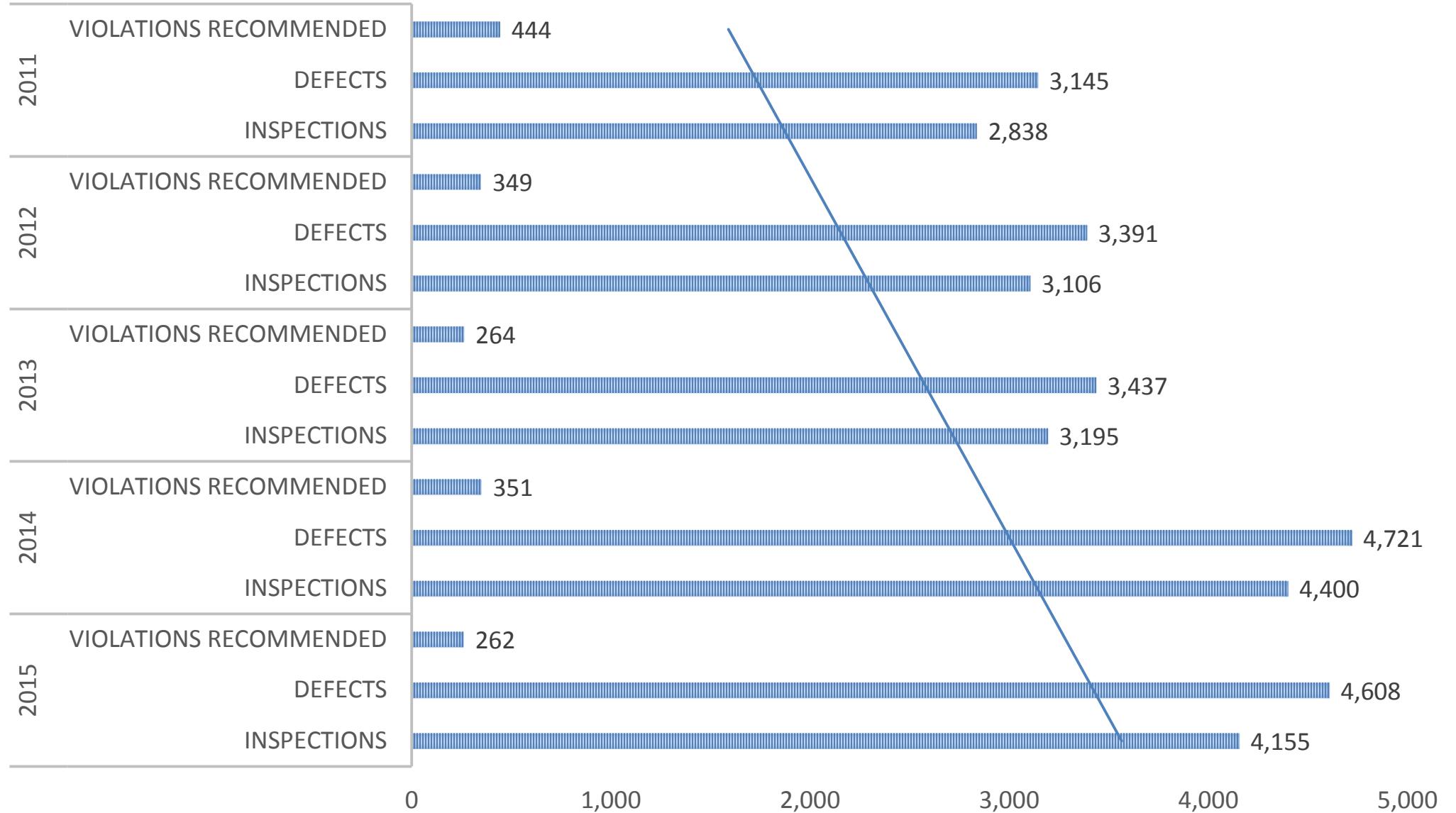


PART 173, SHIPPER'S REQUIREMENTS

■ 2013
 ■ 2014
 ■ 2015

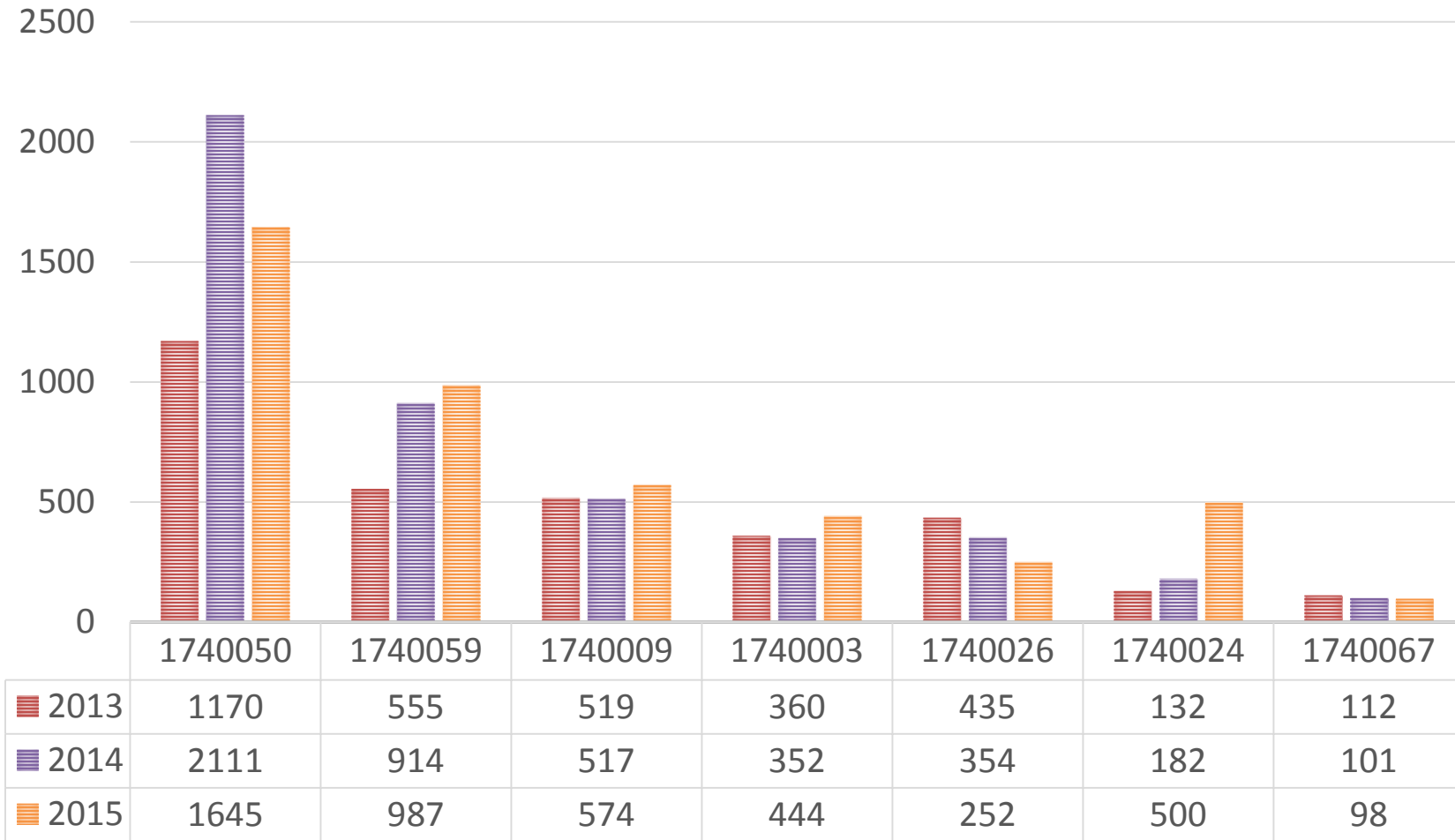


PART 174, CARRIAGE BY RAIL

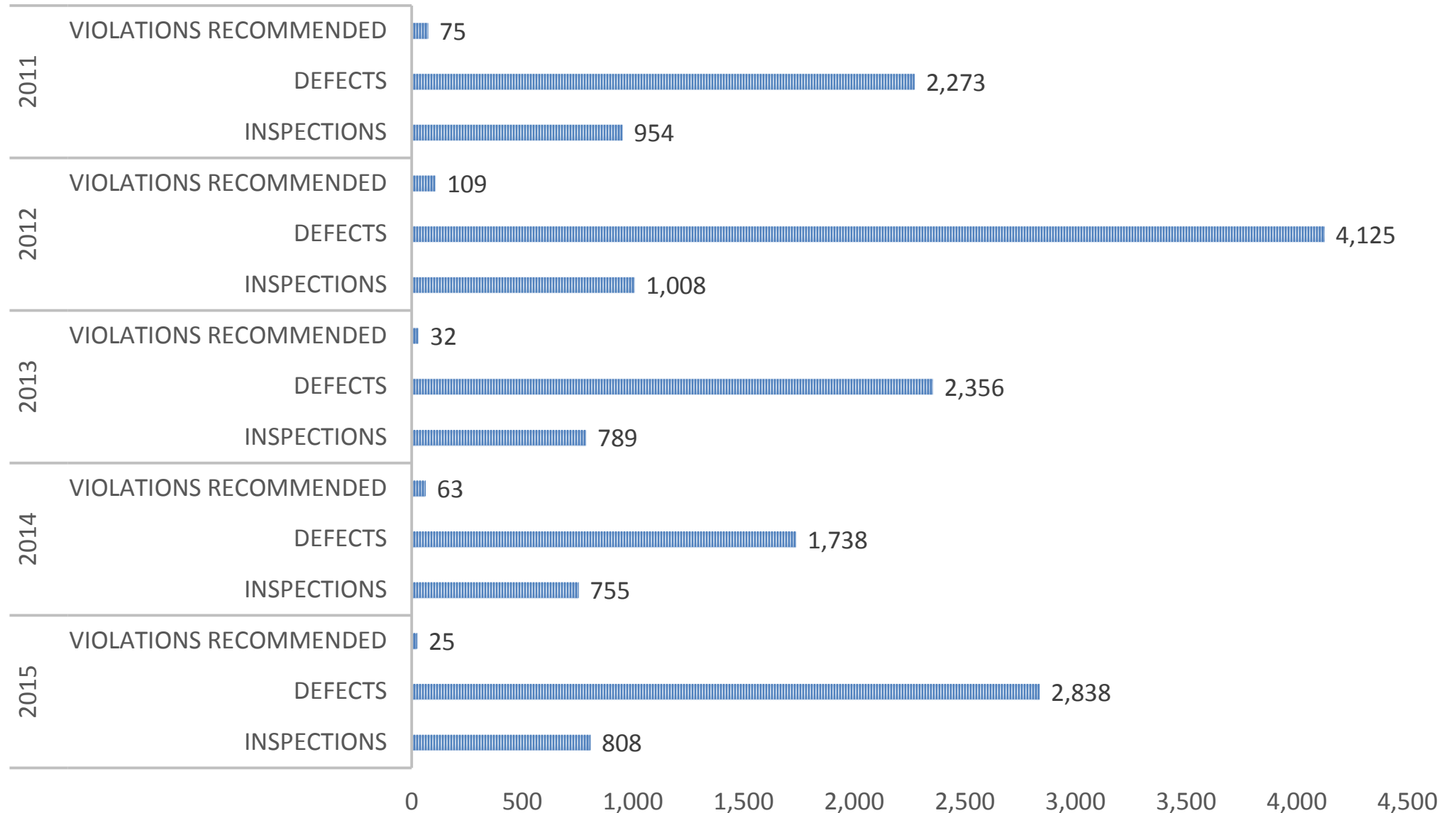


PART 174, CARRIAGE BY RAIL

■ 2013 ■ 2014 ■ 2015

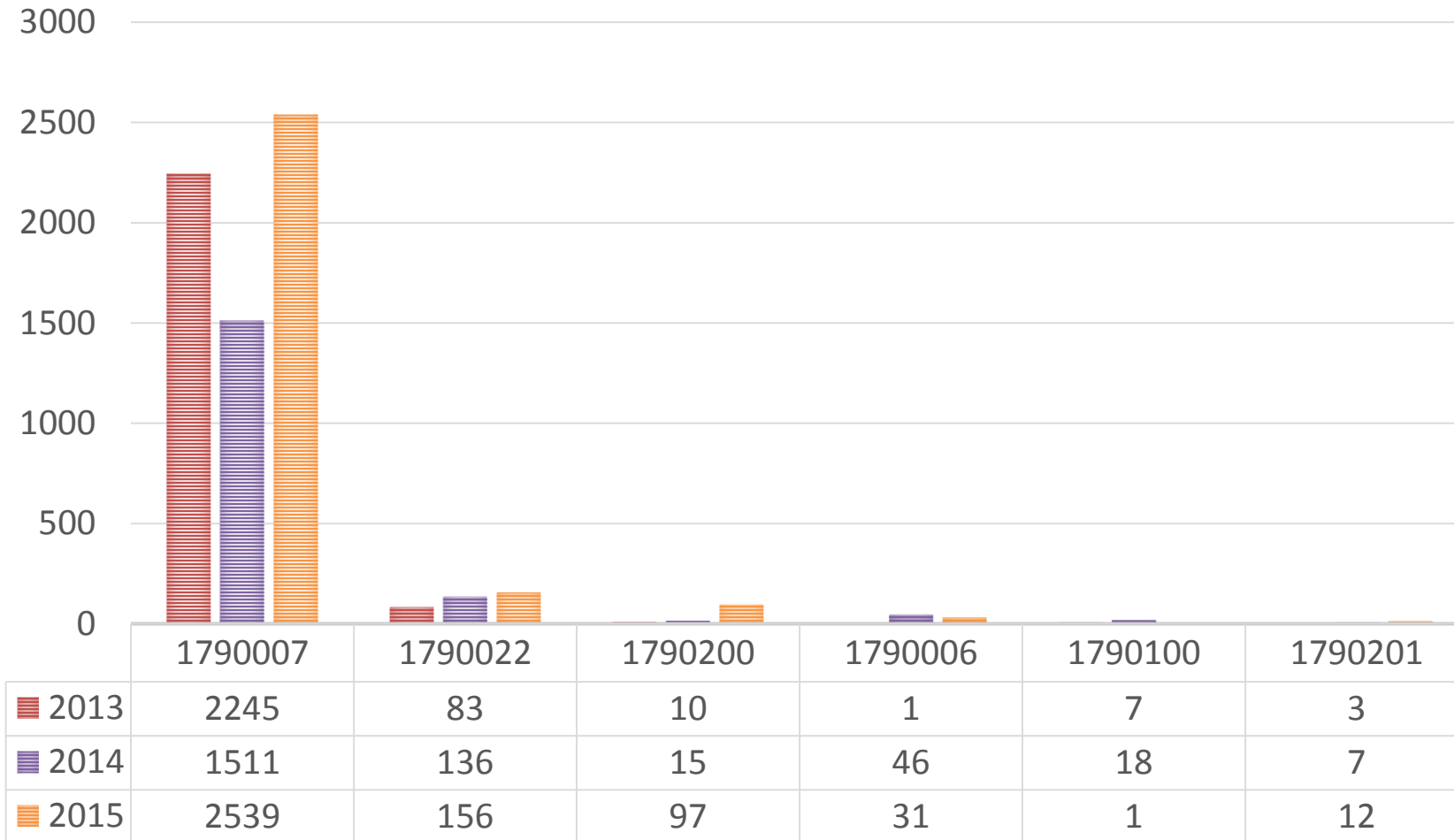


PART 179, SPECIFICATIONS FOR TANK CARS

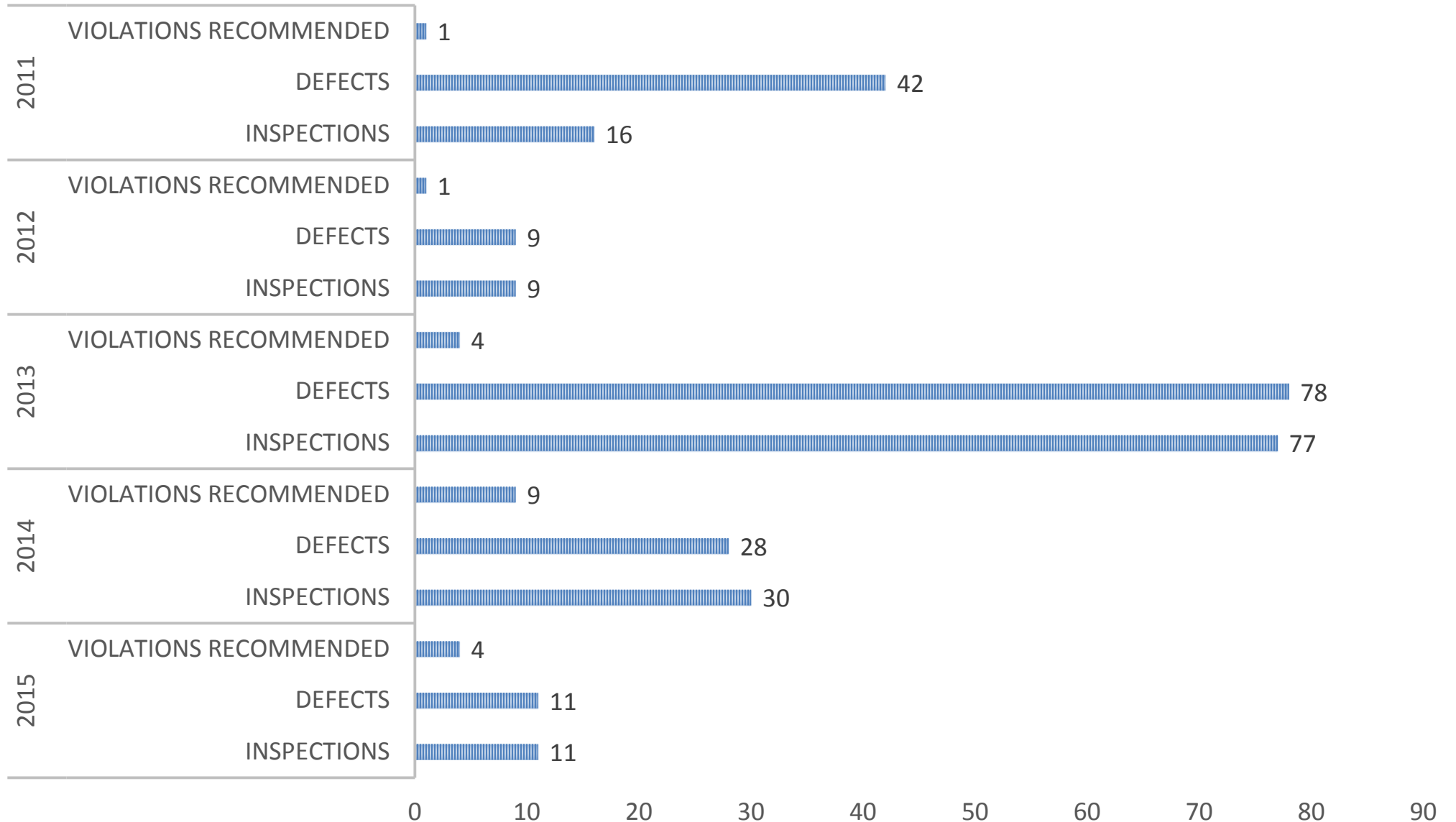


PART 179, SPECIFICATIONS FOR TANK CARS

■ 2013 ■ 2014 ■ 2015

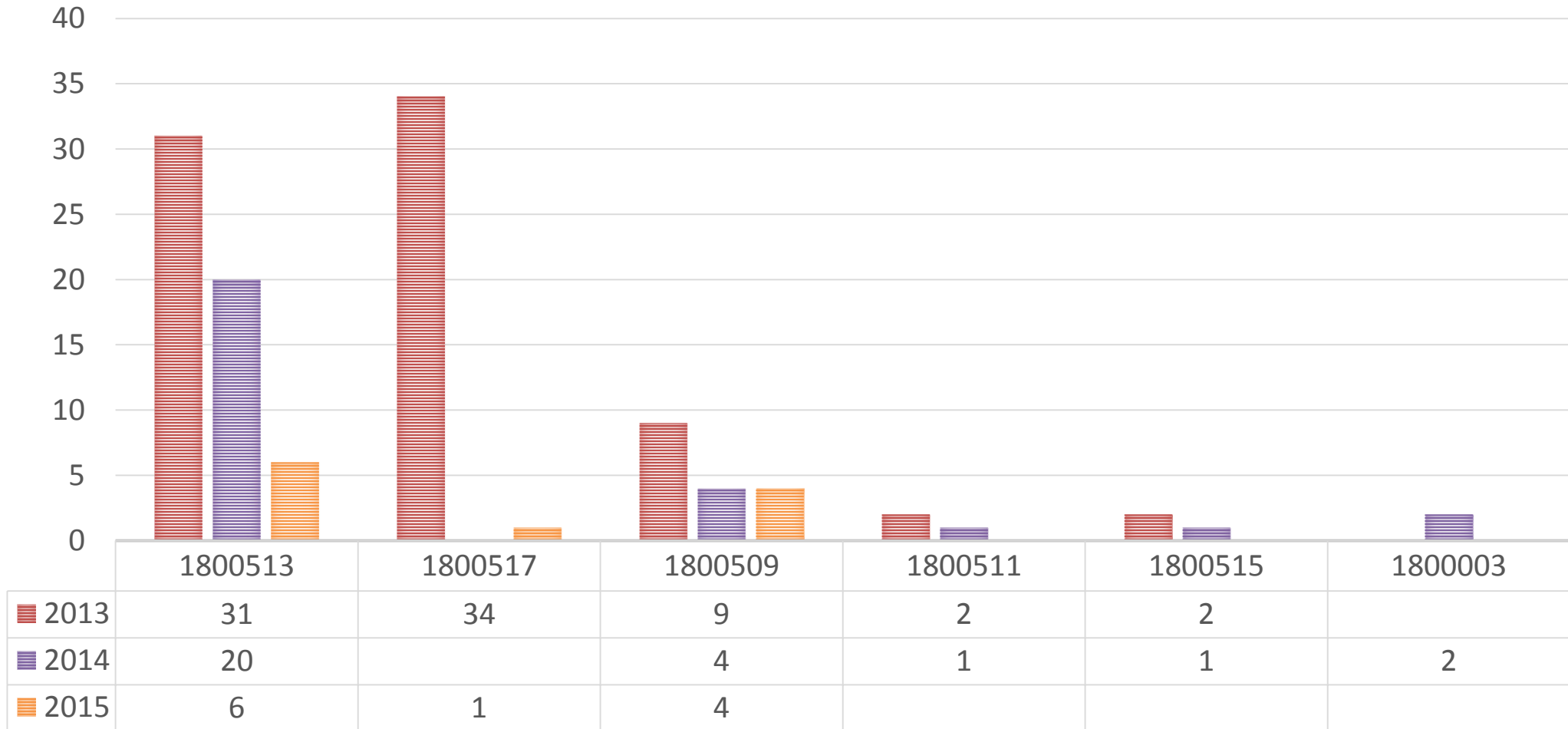


PART 180, QUALIFICATION AND MAINTENANCE OF TANK CARS

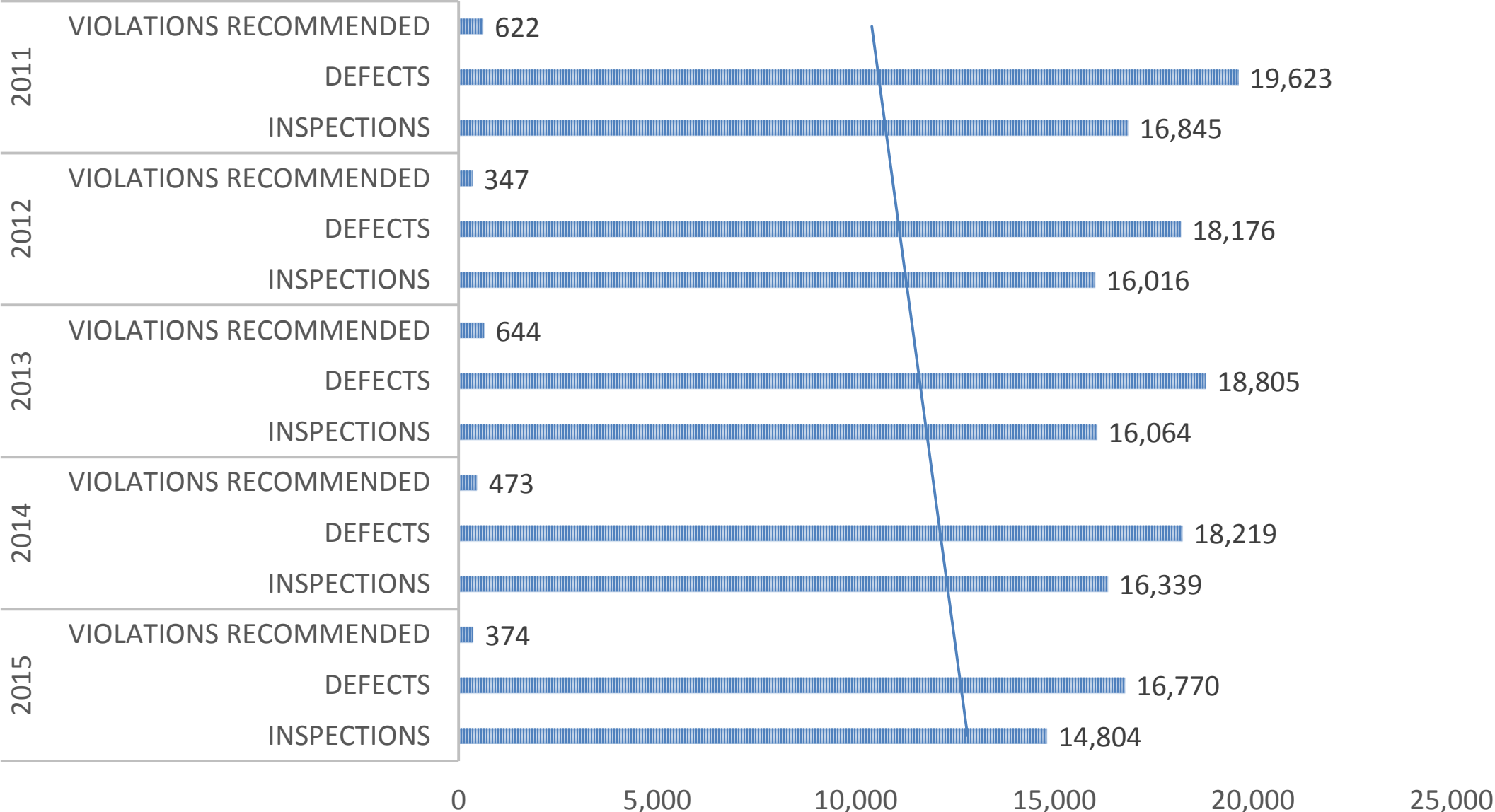


PART 180, QUALIFICATION AND MAINTENANCE OF TANK CARS

2013 2014 2015

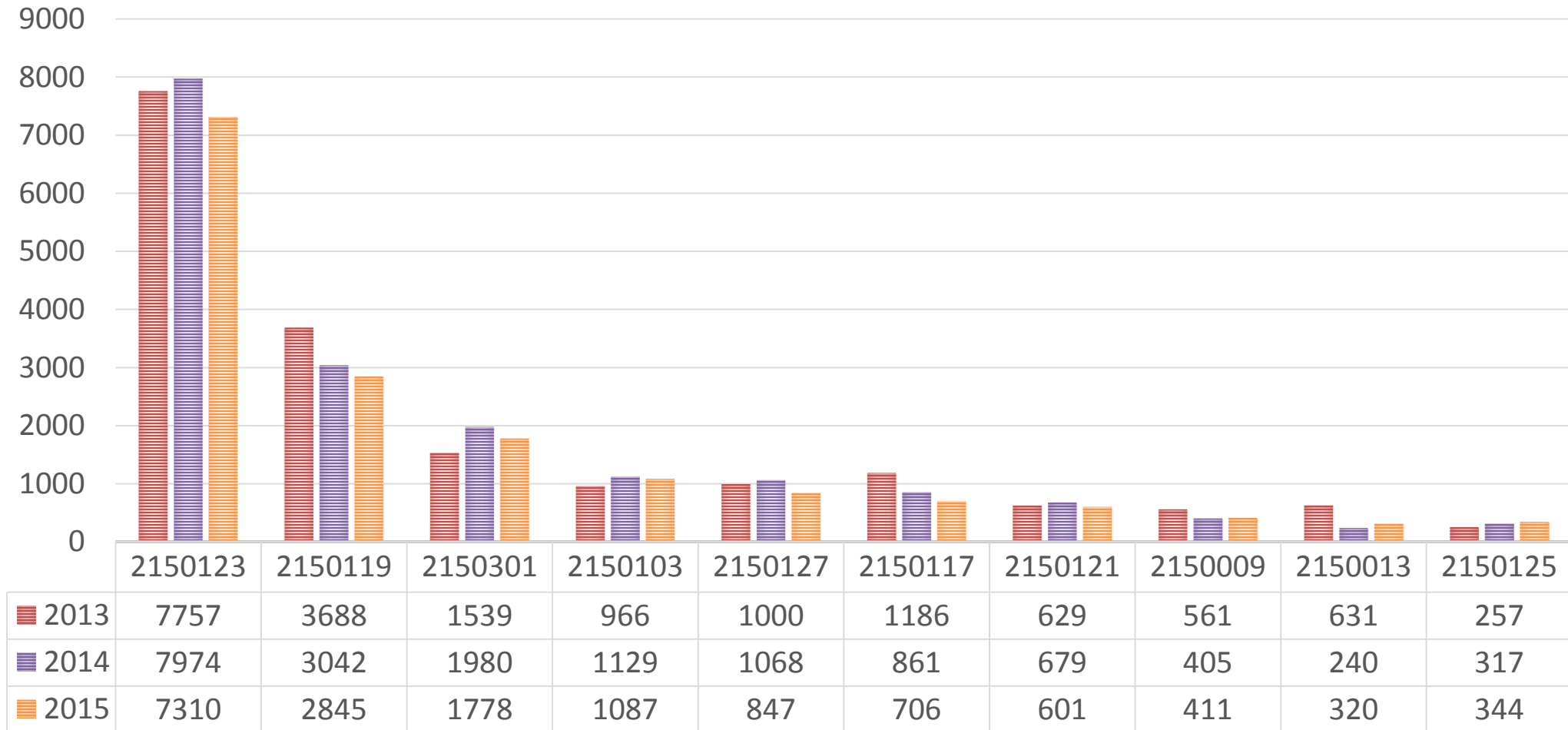


PART 215

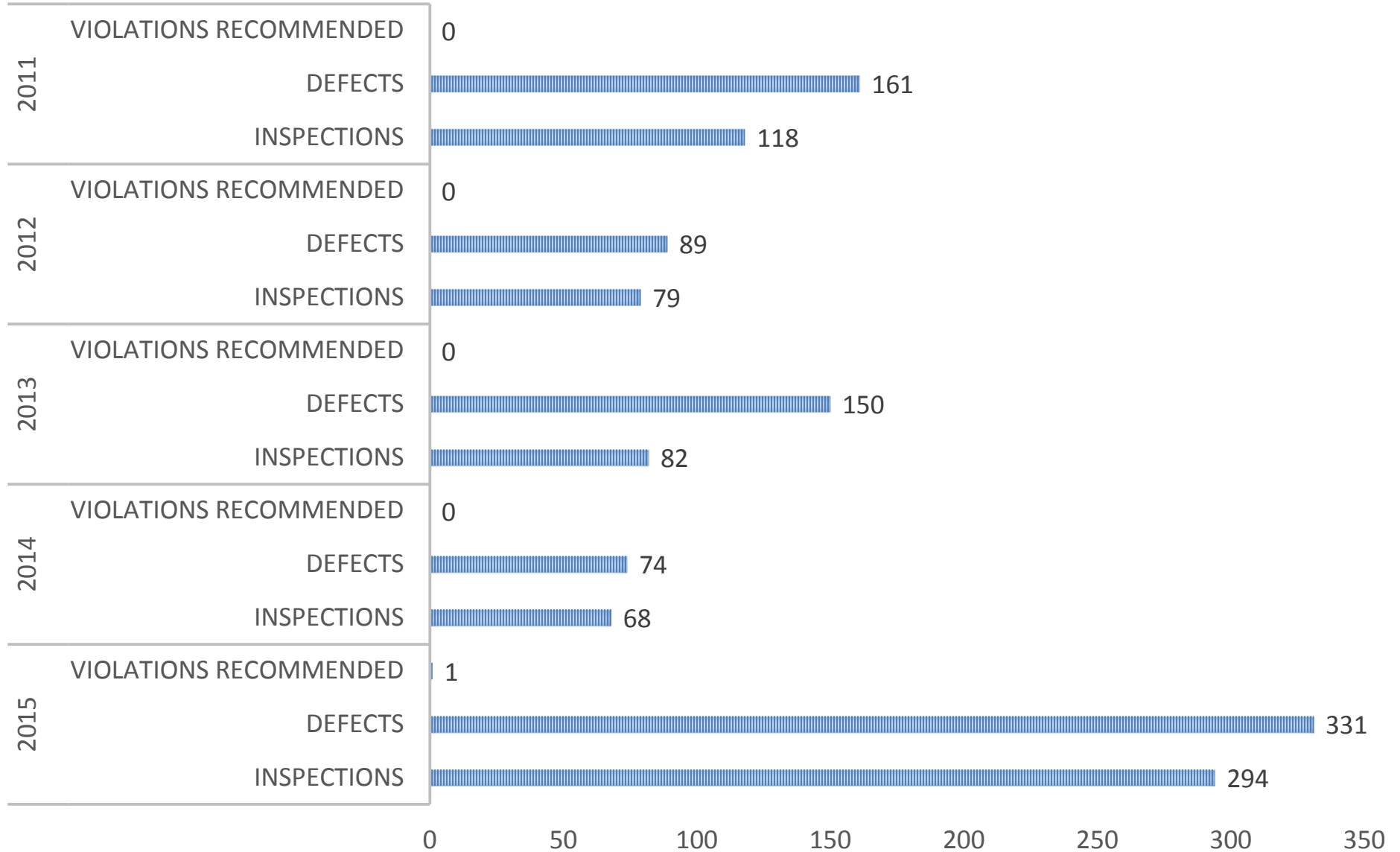


PART 215, FREIGHT CAR SAFETY STANDARDS

2013 2014 2015

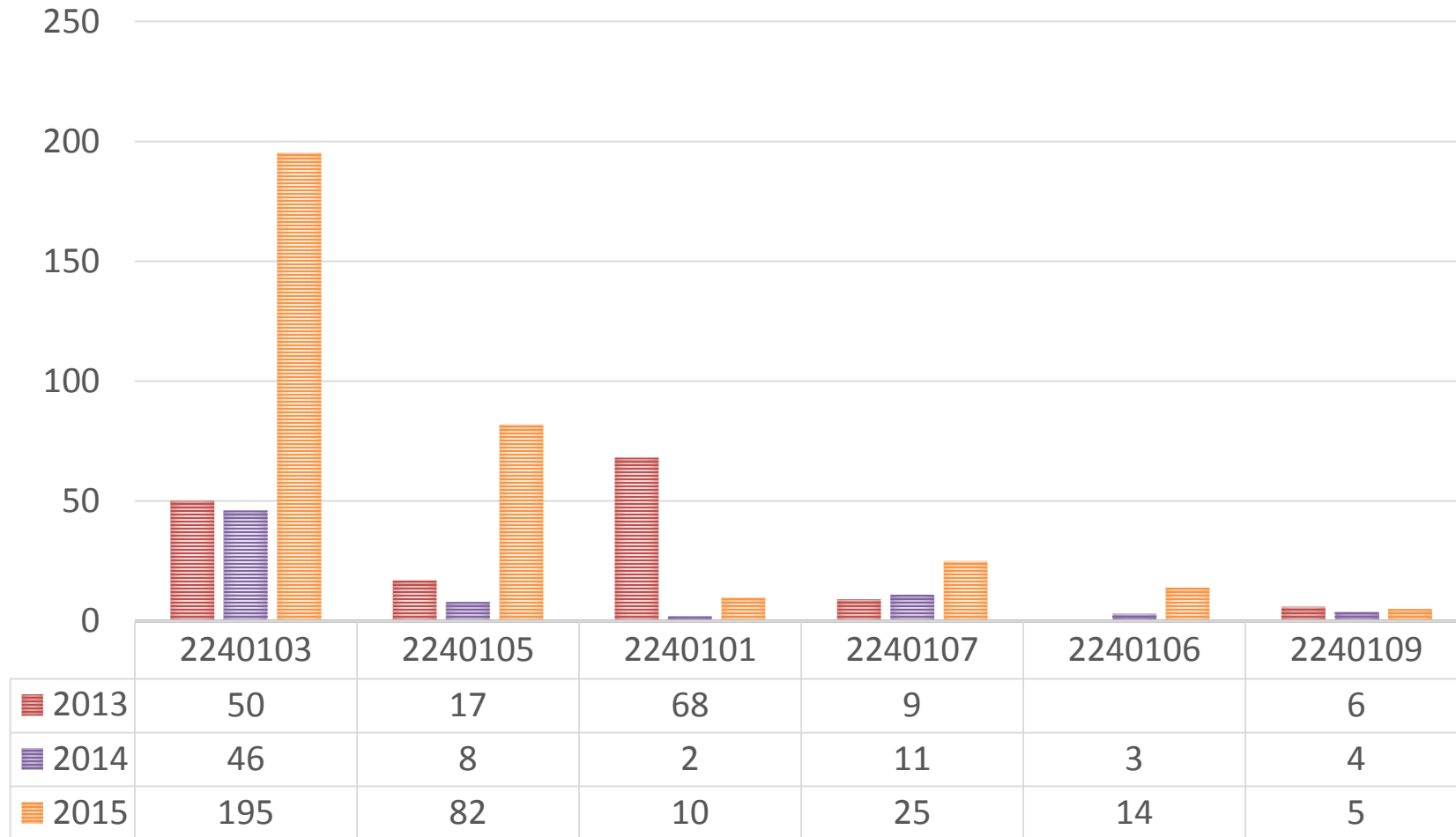


PART 224, REFLECTORIZAZION

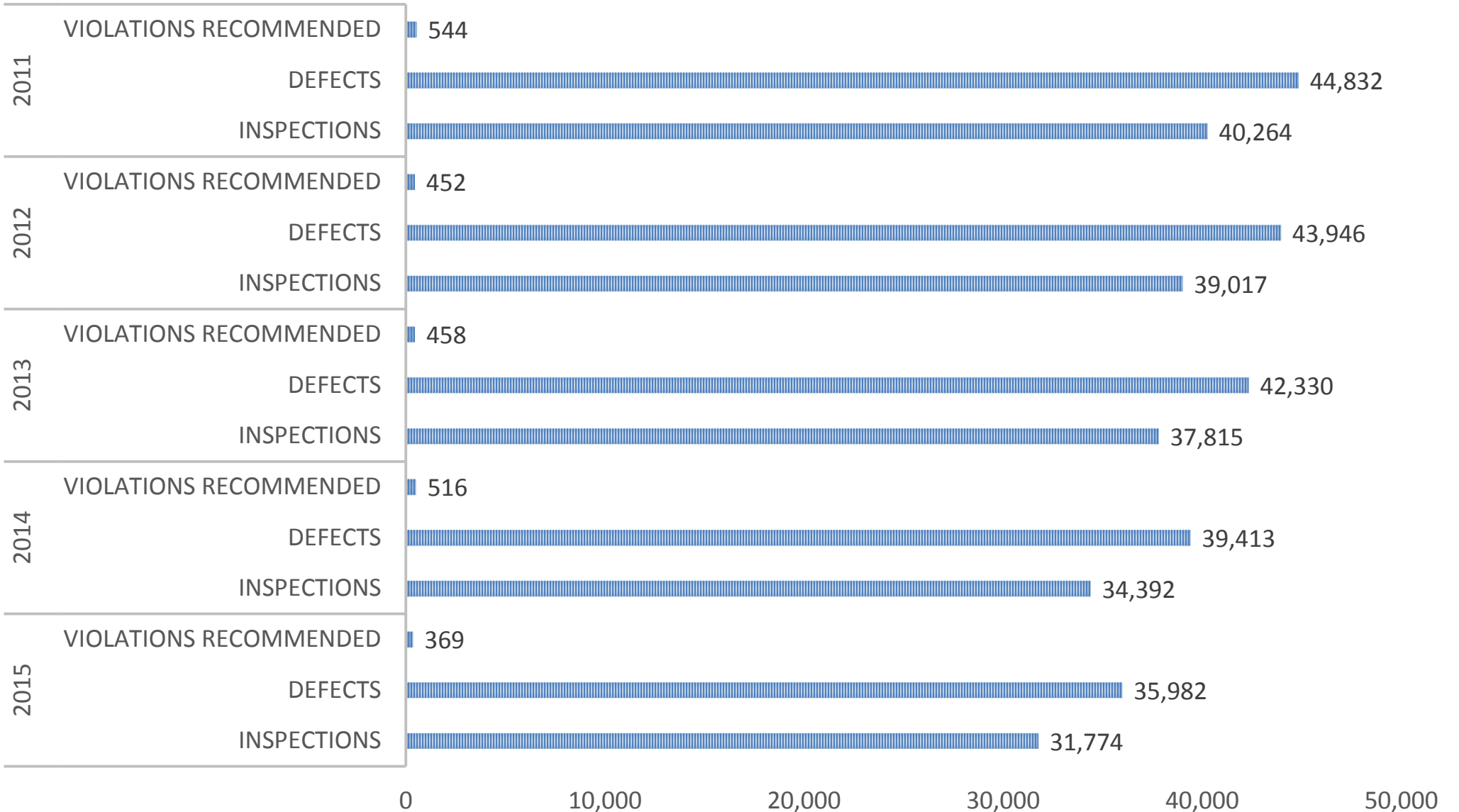


PART 224, REFLECTORIZAZION

■ 2013 ■ 2014 ■ 2015

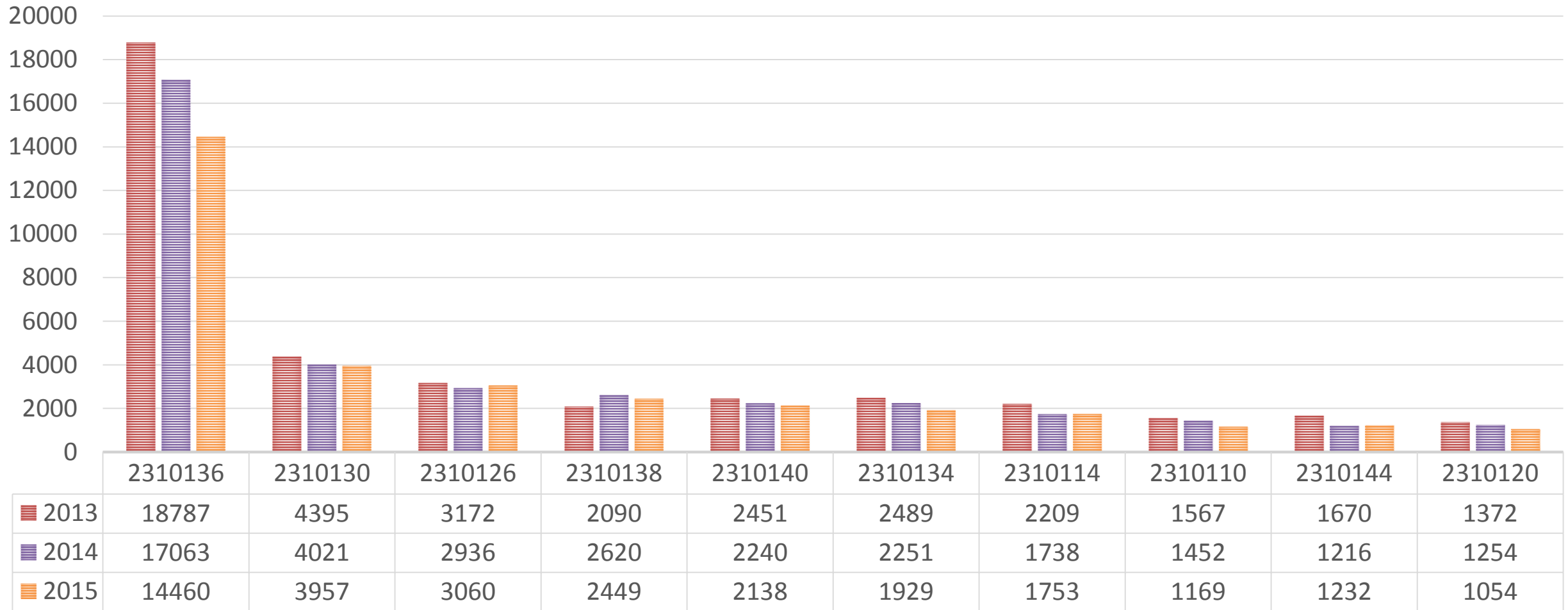


PART 231, SAFETY APPLIANCE STANDARDS

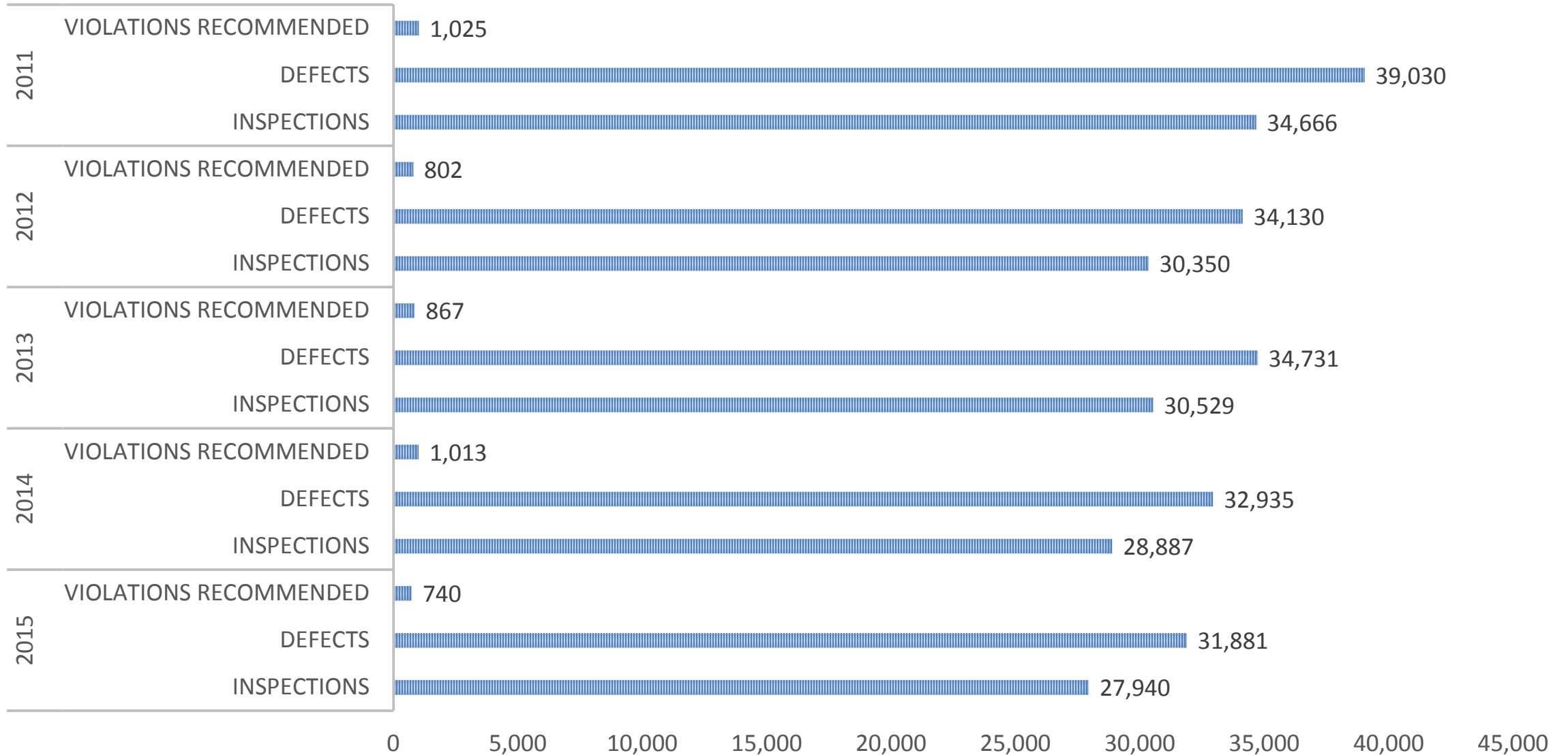


PART 231, SAFETY APPLIANCE STANDARDS

■ 2013 ■ 2014 ■ 2015



PART 232, POWER BRAKES



PART 232, POWER BRAKES

2013 2014 2015



	2320103	2320205	2320409	2320105	2320305	232000B	2320015	2320309	2320203	2320303
2013	26940	3973	1438	385	284	459	278	216	106	82
2014	25817	3596	1297	373	323	251	253	122	209	140
2015	25780	3045	1100	326	377	272	222	87	108	171



James H. Rader
Vice President
Greenbrier Management Services
630-946-3516
james.rader@gbrx.com