



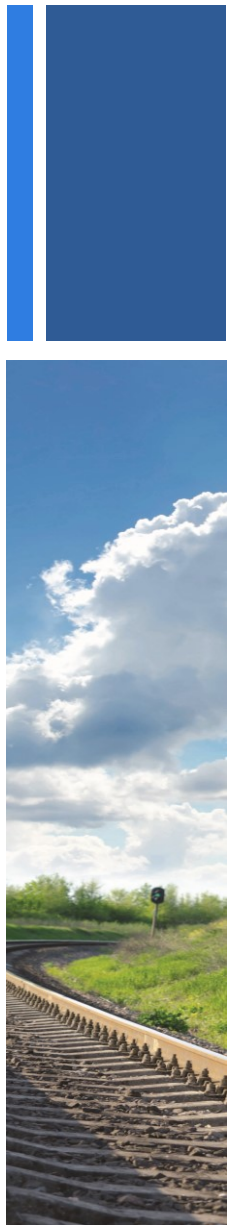
37th Annual

AAR Quality Assurance Industry Conference

February 25-27, 2025



Improving Quality through Technology
February 25-27, 2025



RSI Introduction

2025

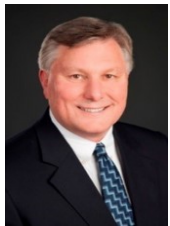


Patty Long
President

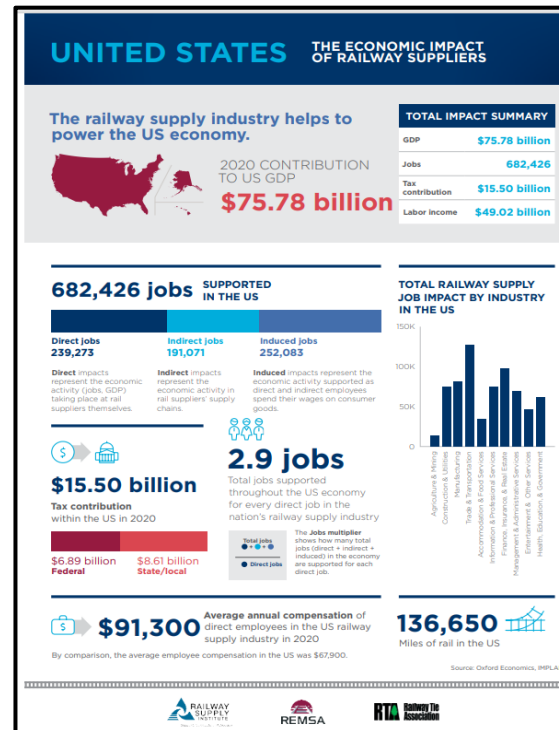
Who We Are

Our 170+ member companies represent a broad span of the rail supply industry including:

- Locomotive & railcar builders and owners
- Component suppliers
- Maintenance of way equipment builders and suppliers
- Communications, signal & train control suppliers
- Advanced technology companies



Lee Verhey
Executive Director, Committee on Tank Cars
Committee on Tank Cars



Jeffrey Ostrander
Director, Regulatory and Industry Affairs
American Railway Car Institute
Equipment Leasing Committee
Quality Assurance Committee



Ashley Shelton
Senior Director, Government and Public Affairs
Government and Public Affairs Committee



Matt Delaney
Senior Manager, Government and Public Affairs
Government and Public Affairs Committee



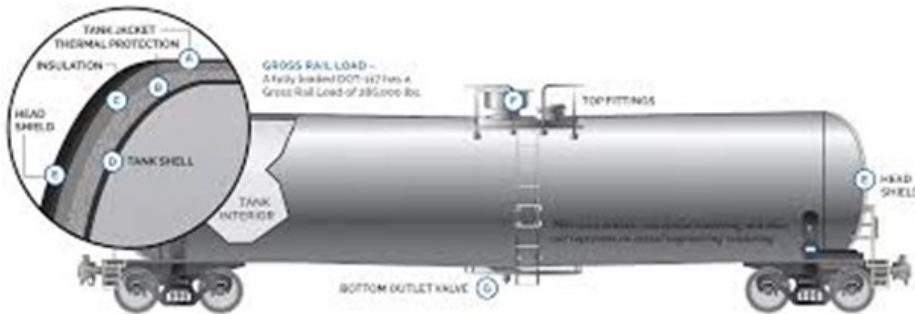
Hayley French
Senior Coordinator, Membership and Operations



Committee on Tank Cars (CTC)

2025

- Regulatory and Legislative Advocacy
- Standards Development
- Consensus Building
- Education
- Research & Training



Equipment Leasing Committee

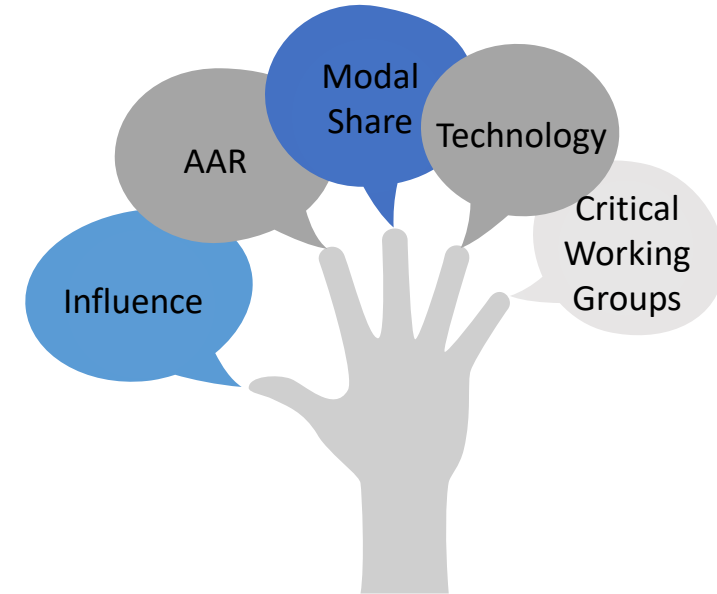
2025



Kevin Cook
President, Modern Rail Capital
RSI ELC Chairman



Key Focus Areas



ELC Ecosystem

AAR Associate Board and Representatives
Car Hire Rate Reform
“LO” Hopper Mileage Credit
AAR Rule 107, Car Cost Factor and Betterments
Funding the Adoption of Telematics

American Railway Car Institute (ARCI)

2025

ARCI Data Subscriptions



RSI ARCI Webinar
Proprietary Data and Economic Outlook

SHEENA PREVETTE - Director of Regulatory & Industry Affairs at RSI
TODD TRANAUSKY - Vice President, Rail and Intermodal at FTR



Railcar Orders, Deliveries & Backlog					
*Current Quarter & Trailing Four Quarters					
	7/1/2023	4/1/2023	1/1/2023	10/1/2022	7/1/2022
Backlog	59,878	56,062	59,698	61,415	47,461

	2 nd Quarter 2023	1 st Quarter 2023	4 th Quarter 2022	3 rd Quarter 2022	2 nd Quarter 2022
Orders	16,194	8,307	11,525	25,075	11,177
Deliveries	11,919	11,296	12,242	10,821	9,629

Twelve-Month Year-End Comparison					
	2022	2021	2020	2019	2018
Orders	60,734	37,562	17,275	37,196	77,478
Deliveries	40,735	29,280	33,417	58,026	50,803

ARCI Equipment & Engineering Subcommittee



Jon Hannafious
Director Technical Standards
EEC Manager



Ross Hill, Sr. Design Engineer, Trinity Rail
ARCI E&D Subcommittee Manager

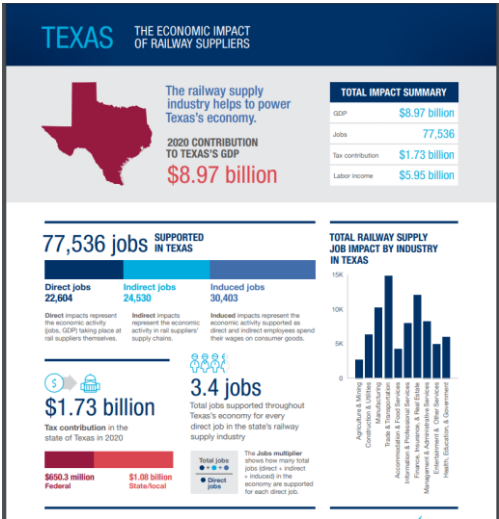


Hood Tie Down Standard
Top Chord Reinforcement Best Practices
Fatigue Guidelines - Chapter VII
FRA 224 Reflector Maintenance
Cooper Ratings (Revisited)
Intermodal Issues
Tank Car Decals, S-910
In Train Lifting of Cars
New Clearance Diagram
Component Tracking

Government and Public Affairs Committee (GPAC)

2025

Resources and Relationships



Show and Tell



Connecting the Dots on Jobs and Economic Growth



FLAMMABLE LIQUIDS CAR SPECIFICATION CHART							
Car Specification	Head & Shell Thickness (in.)	Normalized Head & Shell	Jacket	Head Shield	Top Fittings Protection	Thermal Protection	BOV Handle Modification
111A Legacy Jacketed	0.4375	NO	YES	NO	NO	YES*	NO
111A Legacy Non-Jacketed	0.4375	NO	NO	NO	NO	NO	NO
CPC-1232 Jacketed	0.4375	YES	YES	FULL	YES	YES*	NO
CPC-1232 Non-Jacketed	0.5	YES	NO	HALF	YES	NO	NO
117R100W Legacy Retrofit	0.4375	NO	YES	FULL	MOD	YES*	YES
117R100W CPC-1232 Jacketed Retrofit	0.4375	YES	YES	FULL	YES	YES*	YES
117R100W CPC-1232 Non-Jacketed Retrofit	0.5	YES	YES	FULL	YES	YES	YES
117J100W 120J200	0.5625	YES	YES	FULL	YES	YES	YES

*RSI Analysis indicates that the existing fiberglass insulated jacketed DOT-111s meet the Thermal Protection System performance requirements.

Passenger Rail Working Group



2025

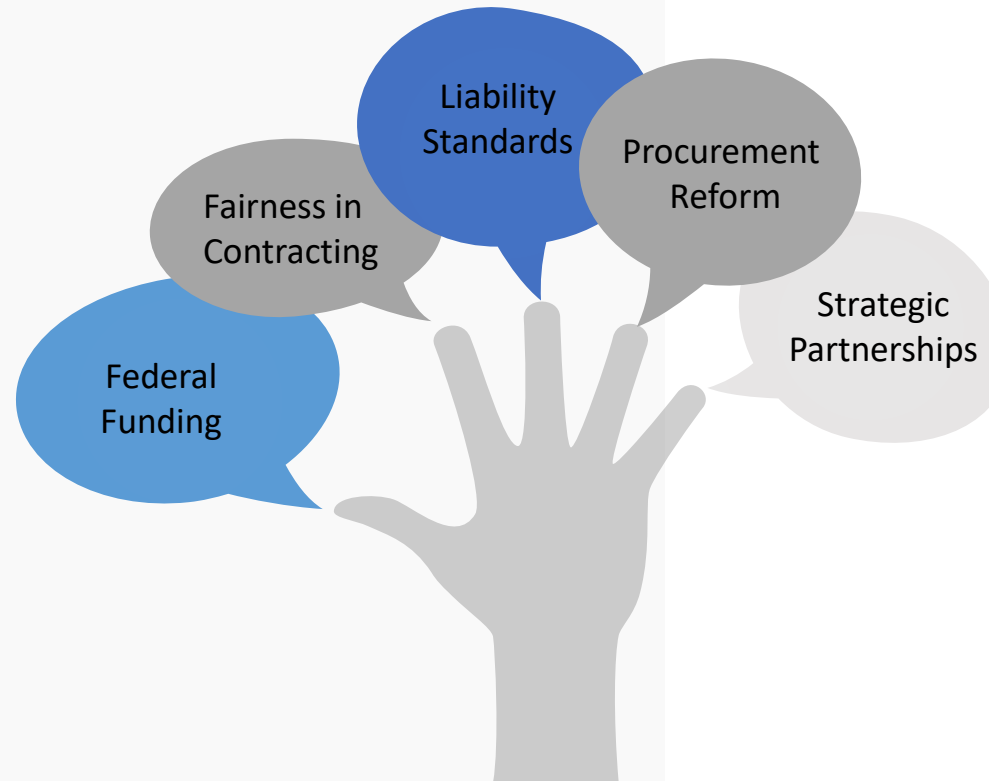


Marc Buncher
President, Siemens Mobility NA
RSI PRWG Chairman



Chris Zappi
Senior Director, Global Strategy, Wabtec Corp
RSI PRWG Vice Chairman

Key Focus Areas



Strategic Partnerships

American Public Transportation Association
AMTRAK
U.S. High Speed Rail Coalition
Commuter Rail Coalition
Coalition for the Northeast Corridor
STB Passenger Rail Advisory Committee
Rail Passengers Association

RSI QAC – Expanding our Identity

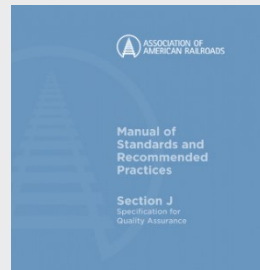
2025

RSI is rebranding its [Quality Assurance Committee](#) to focusing more broadly on innovation and the ways technology and innovation can improve the quality and reliability of railcars and their components.

01

Continued Collaboration

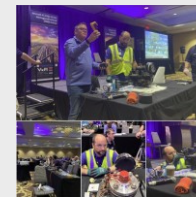
AAR MSRP J, M-1003
Specification for Quality Assurance



02

Education and Information

- Ultrasonic and Bubble Leak Testing
- Coatings Webinar
- Quality Newsletter



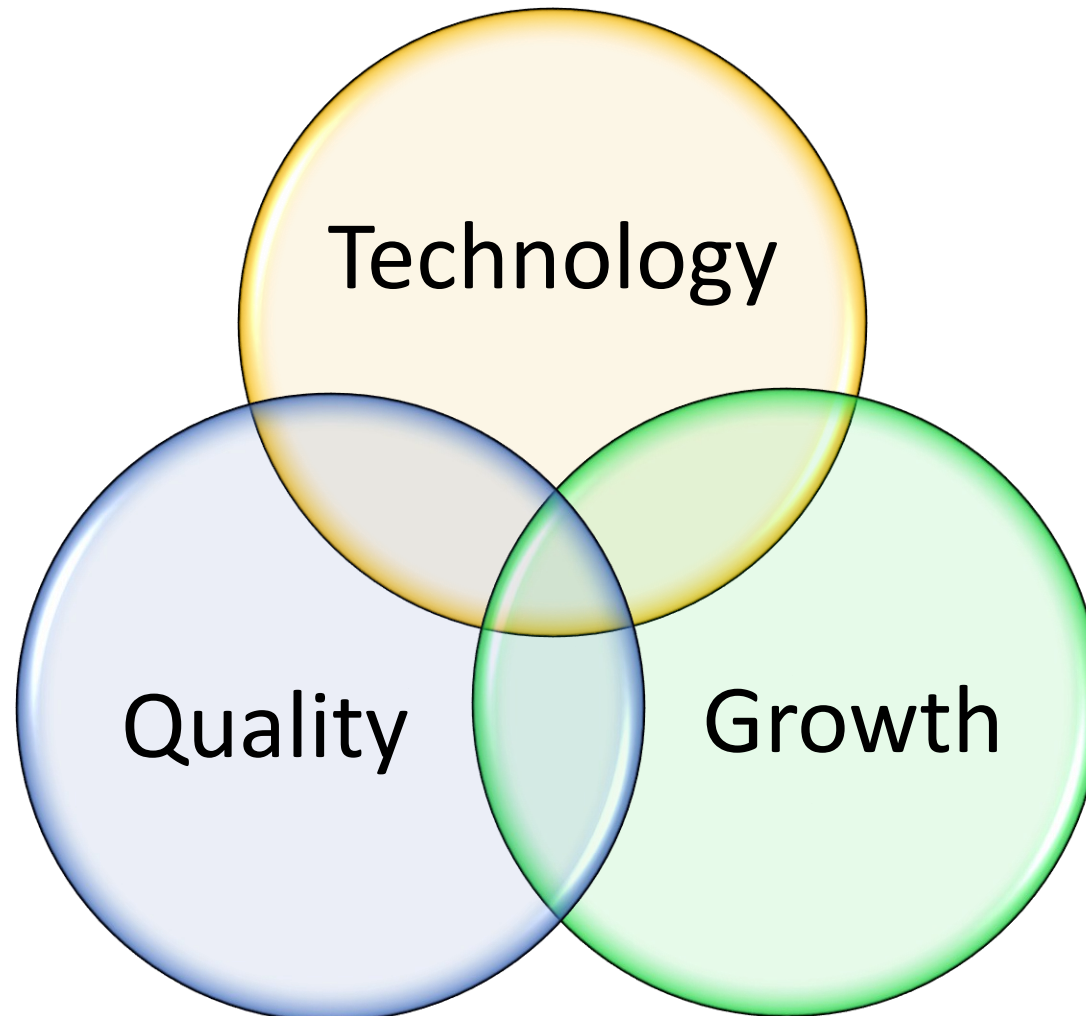
03

Embracing and Enabling New Technologies



Why It Matters

2025



Growth in the rail industry is contingent on our ability to **enable** emerging technologies, newly developing materials and process improvements that will enhance safety, reliability and operational efficiency.

Otherwise, we are standing in our own way.

Potential Committee Objectives

2025

Enhance quality and reliability of railcars, locomotives and their components

- Advanced welding and metal-forming technologies
- Enhanced methods and techniques for heat-treating
- Material advancements (coatings/corrosion prevention, composites)
- Other AI-enabled resources and predictive analytics

Reduce regulatory barriers

- Performance vs. Prescriptive standards
- Updated standards that incentive implementation of new technologies
- Industry collaboration that removes barriers for smaller companies in the industry

Advance worker safety and efficiency in rail

- Improving working conditions and safety records.
- Remove people from dangerous environments
 - Confined spaces (coating, inspecting, etc.)
- Railroad switching (software for building trains more efficiently)

Reasons for Cautious Optimism

2025

Key Themes of New DoT Leadership's Approach to Smarter Regulation

- 1. Data-Driven Decision-Making.** “Regulations should be guided by the available data and industry expertise to enhance safety while avoiding unnecessary burdens”.
- 2. Encouraging Innovation.** “We must ensure that our regulatory framework supports new transportation technologies, from autonomous vehicles to advanced rail system, without stifling progress.”
- 3. Reduce Unnecessary Bureaucracy.** “Smarter regulation means eliminating outdated or redundant rules.”
- 4. Stakeholder Collaboration.** Effective regulation comes from working alongside industry, labor, and local governments to develop policies that are both practical and enforceable.”
- 5. Balancing Safety and Efficiency.** “We can modernize transportation policies to improve safety and efficiency without creating unnecessary obstacles for businesses and workers.”

Tapping in the Talent of Our Members

2025

Railcar and Locomotive Component Suppliers



Track and Maintenance Systems



Signaling and Communications Providers



Expertise

“Nowhere other than the RSI, could you have a forum to bring all of this talent together under one roof”.

*Jason Riggs
VP of Quality & Technical Services
Marmon Rail*

We invite you to join in this discussion

2025



NEW YORK AIR BRAKE

SIEMENS



duostech



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Questions/Thank You for Having Me!

Stay in touch - plong@rsiweb.org