# Association of American Railroads

**SAFETY AND OPERATIONS**

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## MANUAL OF STANDARDS

**AND**

## RECOMMENDED PRACTICES
## SECTION A, PART I

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# TABLES OF CONTENT

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**Compiled under the direction of the Committees responsible for the subjects shown herein.**

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| **MSRP A-I INDEX** | The MSRP A-I Table of Contents is an inclusive index of all MSRP specifications, standards, and recommended practices. It is available online at https://aarpublications.com/msrp.html. This easy-to-access document is a convenient way to quickly identify in which manual a specific document resides. The index is updated weekly, enabling the user to see in "real-time" which documents have been updated via Circular Letter. |
| **MSRP-AS ADMINISTRATIVE STANDARDS SUPPLEMENT** | MSRP-AS serves as a supplement to all MSRP sections and is available as a free download at https://aarpublications.com/msrp.html. All users are governed by the administrative standards in MSRP-AS in addition to the standards and specifications in each section of the *Manual of Standards and Recommended Practices*. |
| **TECHNICAL QUESTIONS** | For technical questions regarding this manual, use the email address appropriate to this manual from the following list. |

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## TECHNICAL QUESTIONS AND APPLICATIONS CONTACT LIST

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| Section S-II - Truck Details and Casting Codes | cstcc@aar.com |
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| Section T - Interoperable Fuel Tenders for Locomotives, M-1004 | locomotive@aar.org |

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## TO THE USER

Section A, Part I contains a comprehensive index of the entire AAR *Manual of Standards and Recommended Practices*, Sections A through S. This index is arranged in three sections:

- A numerical list of all "M" specifications, "RP" recommended practices, and "S" standards.
- An alphabetical list by subject.
- A list organized by the MSRP section.

Each list shows the standard, recommended practice, or specification number, the subject, and the section of the *Manual of Standards and Recommended Practices* in which that document is located. In addition, all Circular Letters that affect a document since its most recent publication are also identified.

In addition, this manual provides for historical reference a list of documents that have been archived or renumbered.

**Note:** Each individual section of the *Manual of Standards and Recommended Practices* also includes a table of contents for that particular section.

## HOW TO USE THIS INDEX

This index of the *Manual of Standards and Recommended Practices* contains a list of every document contained in the individual sections (AS through S). You can search this index in one of three ways:

1. Locate a document by its number using the Numeric Index on page A-I–1.
2. Locate a document by its title using the Alphabetic Index on page A-I–29.
3. Locate a document by searching a particular section in the Section Index on page A-I–57.

The right-hand column of each index contains the words "Update Available" if a document is affected by a Circular Letter that was issued subsequent to the release of the manual containing the document. You may click the link (if viewing the PDF) or go to the section entitled "Current Circular Letters" to view a list of Circular Letters issued for each affected document.

**DISCLAIMER**

The "Current Circular Letters" section lists the Circular Letters that have been issued subsequent to the release of the MSRP specifications, standards, and recommended practices shown in MSRP-A1. This list is intended to improve accessability to the users. It is the responsibility of the user to ensure that individual MSRP sections reflect interim revisions implemented via Circular Letter. This list of Circular Letters is current as of the date printed in the margin. Any changes issued via AAR Circular Letter after that date will not be included.

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## PREFACE

The *Manual of Standards and Recommended Practices* of the Safety and Operations Department, Association of American Railroads, is issued by authority of the Management Committee and includes all regularly adopted specifications, standards, and recommended practices of the Association of American Railroads.

The manual is composed of the following sections:

- Section AS—Administrative Standards Supplement serves as a supplement to all *MSRP* sections (this is available as a free download at https://aarpublications.com/msrp.html)
- Section A-I—Table of Contents, Alphabetical and Numerical Index of Sections B through S inclusive (this is available as a free download at https://aarpublications.com/msrp.html)
- Section B—Freight Car Draft Components (100 Series)
- Section C—Car Construction—Fundamentals and Details (200 and 2000 Series)
- Section C-II—Design, Fabrication, and Construction of Freight Cars, M-1001
- Section C-III—Specifications for Tank Cars, M-1002
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- Section I—Intermodal Equipment Manual
- Section J—Specification for Quality Assurance, M-1003
- Section K-I—Railway Electronics Systems Architecture and Concepts of Operation (9000 Series)
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- Section N—Multi-Level Manual (800 Series)
- Section S—Casting Details
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- Section S-III—Coupler and Yoke Details (100 Series)
- Section T—Interoperable Fuel Tenders for Locomotives

Specifications are designated with an “M” prefix (e.g., M-900). Standards are prefixed “S” (e.g., S-900). Recommended Practices carry the prefix “RP” (e.g., RP-900).

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| M-402 | Brake Shoe, Cast Iron, High-Phosphorus Type | 2002 | E | |
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**Note:** Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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| M-602 | Gaskets, Air Hose | 2002 | E | |
| M-618 | Hose, Air, Wire-Reinforced | 2011 | E | |
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| M-926 | Brake Shoe, High-Friction Composition or Metal Type | 2015 | E | |
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| M-928A | Highway Trailer Hitches for Freight Cars with 90,000-lb Maximum Gross Vehicle Weight Capacity | 2018 | I | |
| M-929 | Grease for Lubrication of Trailer Hitches on Flatcars | 2004 | I | |
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| M-934E | Universal Fitted Backing Rings For Freight Car Tapered-roller Journal Bearings | 2019 | H | |
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| M-950 | Universal Wide-Body Tri-Level Fully Enclosed Autorack Car (Low Deck) | 2022 | N | Update Available |
| M-950-A | Universal Wide-Body Bi-Level Fully Enclosed Autorack Car (Standard Deck) | 2018 | N | |
| M-951 | Portable Bridge Plates for Multi-Level Autorack Cars | 2020 | N | Update Available |
| M-952 | Intermodal Container Support and Securement System for Freight Cars | 2008 | I | |
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| M-957 | Tie-Down Tracks, Winches, and Chains | 1997 | N | |

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| M-964 | Floor, Nailable Steel—Freight Cars 50,000-, 60,000-, 70,000- or 80,000-lb Capacities | 2006 | C | |
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| M-967 | Electrochemical Metal Deposition for Repairing Roller Bearing Axle Journals | 2008 | G | |
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| M-971 | Non-Grease Lubricant for Autorack Equipment | 2002 | N | |
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| M-985 | Bad Order Device for Identification of Defective Hitches | 2004 | I | |
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| M-996 | Brake Shoe, Low-Friction Composition Type | 2015 | E | |
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| M-998 | Intermodal Container Support and Interbox Connector (IBC) Securement Systems for Freight Cars | 2019 | I | Update Available |
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| M-1002 AppA | Tank Car Valves and Fittings | 2021 | C-III | Update Available |

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| M-1002 AppB | Certification of Tank Car Facilities | 2022 | C-III | Update Available |
| M-1002 AppD | Retest and Qualification Requirements | 2021 | C-III | Update Available |
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| M-1006 | Passenger Equipment Performance Specification | 2019 | M | |
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| M-9154B | Intra-Consist Communications (ICC) Layer 2 | 2015 | K-II | Update Available |
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| M-9453 | ITCSM Asset User Interface Requirements for Interoperable Train Control | 2014 | K-V | |
| RP-101 | Draft Gear Inspection | 2011 | B | |

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| Standard | Subject | Last Revised | Section | Circulars? |
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| RP-200 | Hopper Car, Open Top, in Shaker Service—Design Features | 1976 | C | |
| RP-206 | Decking, Wood—for Open Top Cars | 1981 | C | |
| RP-208 | Stake Pocket—Permanent | 1998 | C | |
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| RP-307 | Spring Test Machine | 1961 | D | |
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| RP-322 | Brake Beam Strut Keyway Gauge | 1992 | E | |
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| RP-400 | Slack Adjuster—General Information | 2002 | E | |
| RP-401 | Brake Control Valves—Mount-Configuration Designs as Related to Field Vibration | 2014 | C | |
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| RP-505 | Typical 26-L Type Brake Equipment Piping Diagrams for Locomotives | 2001 | M | |
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| RP-545 | Testing Electrical Components (RETIRED 01/04/2021) | 2001 | M | Update Available |
| RP-546 | Minimum Requirements for Main Reservoir System on New and Rebuilt Diesel-Electric, Electric, and Gas Turbine Locomotives of 800-hp Capacity and Greater | 2001 | M | |
| RP-548 | Locomotive Rating Train/Track Resistance | 2001 | M | |

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| RP-585 | Wiring and Cable Specification | 2001 | M | |
| RP-586 | Wire and Cable Insulating Material—Moisture-Resisting Jacketed | 2005 | M | |
| RP-587 | Wire and Cable Insulating Material—Silicone Rubber Insulated | 2005 | M | |
| RP-588 | Wire and Cable Insulating Material | 2001 | M | |
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| RP-590 | Lead-Acid Batteries and Compartments | 2001 | M | |
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| RP-608 | Gauge, Wheel—Reference Master Disk for Verifying Wheel Circumference Gauges S-612 and S-613 | 2004 | G | |
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| RP-622 | Axle, Weight—Machined Finish, Raised Wheel Seat | 2007 | G | |
| RP-629 | Gauge, Wheel—for Measuring Condemnable Overheated Wheels | 2004 | G | |
| RP-630 | Gauge, Wheel—Application for Measuring Condemnable Overheated Wheels | 2004 | G | |
| RP-631 | Recommended Wheel Shop Practices | 2022 | G-II | Update Available |
| RP-632 | General Requirements and Information | 2022 | G-II | Update Available |
| RP-633 | Figures | 2022 | G-II | Update Available |
| RP-634 | Gauges—Wheel and Axle Shop | 2022 | G-II | Update Available |
| RP-636 | Gauge, Wheel—Application Drawing for AAR 1B Wheel Gauges S-662 and S-667 | 1991 | G | |
| RP-637 | Gauge, Wheel—Application Drawing for AAR 1B Wheel Gauges S-661 and S-665 | 1991 | G | |
| RP-638 | Gauge, Wheel—Application Drawing for Reference Gauge to Verify Wheel Gauges S-661, S-662, S-663, S-664, S-665, S-666, S-667, and S-668 | 1991 | G | |
| RP-750 | Wheel-Mounting Compound Approval Test Procedure | 2015 | G-II | |

**Note:** Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-802 | Wheel Chock Strap Assembly Replacement | 1996 | N | |
| RP-803 | Ride Quality Performance Requirements for Motor Vehicle Shipments | 2014 | N | |
| RP-804 | Measurement Requirements for Remote Ride Quality Monitoring | 1996 | N | |
| RP-810 | Handling and Inspection of Vehicles Before Loading | 2013 | N | |
| RP-811 | Loading of Vehicles | 2015 | N | |
| RP-812 | Handling and Inspection of Multi-Level Cars and Equipment After Loading | 1994 | N | |
| RP-813 | Handling of Multi-Level Cars in Trains and Yards | 1994 | N | |
| RP-814 | Inspection of Multi-Levels and Vehicles En Route | 1994 | N | |
| RP-815 | Railroad Police Protection | 1994 | N | |
| RP-816 | Unloading of Vehicles | 2006 | N | |
| RP-817 | Destination Inspections | 1994 | N | |
| RP-818 | Handling of Multi-Level Cars and Equipment Afier Unloading | 1997 | N | |
| RP-830 | Form Preparation for Vehicle Inspection | 2014 | N | |
| RP-831 | Standard Vehicle Nomenclature | 2015 | N | |
| RP-851 | Double-Stack Container Cars | 2004 | I | |
| RP-852 | Intermodal Equipment Cars | 2003 | I | |
| RP-853 | Trailer Repair and Modification | 2019 | I | Update Available |
| RP-899 | Car Owner's Manual for the Inspection and Maintenance of Double-Stack Container Cars | 2018 | I | |
| RP-905 | Performance Requirements for Refrigerated Boxcar Fuel Tanks | 2006 | C | |
| RP-940 | Electronic Distribution Format For Engineering Drawings | 2005 | C | |
| RP-2001 | Interoperability Requirements—Movement of Passenger Equipment on Freight Railroads | 2019 | M | |
| RP-2002 | Interoperability Requirements—Operation of Regularly Scheduled Revenue Passenger Service | 2019 | M | |
| RP-2017 | Striker Casting, Cast Steel | 1991 | C | |
| RP-2018 | Handholds, Steps, and Ladders for Interior Access | 2019 | C | |
| RP-5107 | Access Doors to Light Boxes for Road Number, Headlight, or Warning Lights—Outside Cab | 2001 | M | |
| RP-5115 | Cushion Pad—Locomotive Cab Door Frame | 2001 | M | |
| RP-5117 | Door Closure Bar—Locomotive Cab | 2001 | M | |
| RP-5120 | Flexible Hinge Guard on Locomotive Cab Door | 2001 | M | |
| RP-5122 | Locomotive Horn Valve Handle with Soft, Resilient-Type Rubber Cover | 2001 | M | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-5124 | Padded Sun Visor in Locomotive Cab—Engineer's Side Only | 2001 | M | |
| RP-5126 | Recessed Windshield Wiper Valve, Train-Order Light Switch, and Flush-Mounted Train-Order Light | 2001 | M | |
| RP-5127 | Rounded Cab Window Latch in Locomotive Cabs | 2001 | M | |
| RP-5128 | Rounding All Possible Exposed Convex Edges and Corners | 2001 | M | |
| RP-5132 | Diesel Locomotive Control Stand for New Locomotives | 2001 | M | |
| RP-5136 | Windshield Wiper Motor Handle with Soft-Rubber-Type Grip | 2001 | M | |
| RP-5137 | Windshield Wiper Motor Protective Cover | 2001 | M | |
| RP-5209 | Basic Brake Design Data for Freight Locomotives | 1999 | M | |
| RP-5503 | Locomotive Fueling Interface | 2001 | M | |
| RP-5523 | Axle Nomenclature Arrangement—Locomotives | 2001 | M | |
| RP-5595 | Main Reservoir Equalizing End Hose Coupling | 2001 | M | |
| RP-5596 | Brake Shoes—Metal Type | 2001 | M | |
| RP-5599 | Hook and Eye Brake Rigging—Lever Angularity Inspection | 2007 | E | |
| RP-9203 | AEI Reader Equipment Requirements | 2010 | K-III | |
| RP-9457.V1 | Positive Train Control Interoperable Electronic Train Management System (I-ETMS) Master Test Strategy (MTS) | 2012 | K-V | |
| RP-9457.V2 | Interoperable Train Control / Positive Train Control Master Test Strategy (MTS) | 2021 | K-V | Update Available |
| RP-9511 | Interoperable Train Control (ITC) Onboard Track Database Field Survey and Validation | 2019 | K-VI | Update Available |
| S-010 | Field Test Requirements for Materials, Devices, and Products Manufactured to AAR Specifications but Having No Previous Service Experience on AAR Member Roads | | AS | |
| S-046 | Definitions of Terms for the AAR *Manual of Standards and Recommended Practices* | 2015 | AS | Update Available |
| S-050 | Procedures for Considering Proposals Regarding Revisions to the Manual of Standards and Recommended Practices | 2014 | AS | |
| S-051 | Conditions Governing Withdrawal of AAR Approval of Freight Car and Locomotive Components and Products | 2000 | AS | |
| S-060 | Application for Component Approval Procedure | 2015 | AS | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-100 | Bushings, Seamless Steel Tube—Coupler Shanks and Yokes | 2010 | B | |
| S-101 | Field Service Experience—Reporting Requirements | 2003 | B | |
| S-102 | Coupler, E Type, Standard and Alternate Standard, E60DE and E60EE | 2020 | S-III | |
| S-103 | Coupler, E Type, Top and Bottom Shelf, Standard and Alternate Standard, SE60DE and SE60EE | 2020 | S-III | |
| S-105 | Coupler, E Type, Detail Parts | 2021 | S-III | Update Available |
| S-106 | Coupler, E Type, No. 10-A Contour and Detail of Pivot Pin Hole | 2003 | S-III | |
| S-107 | Coupler, E Type, Standard and Alternate Standard, E67CE and E67DE | 2020 | S-III | |
| S-108 | Coupler, E/F Type, Standard and Alternate Standard, E68CE and E68DE | 2020 | S-III | |
| S-109 | Coupler, E/F Type, Standard and Alternate Standard, E69BE and E69CE | 2020 | S-III | |
| S-110 | Coupler, F Type, Standard F Coupler, F70DE | 2009 | S-III | |
| S-111 | Coupler, F Type, with Top Shelf, Standard, SF70DE | 2003 | S-III | |
| S-112 | Coupler, F Type, Standard, F73BE | 2003 | S-III | |
| S-114 | Coupler, F Type, Standard, F79DE | 2003 | S-III | |
| S-115 | Coupler, F Type, with Top Shelf, Standard, SF79DE | 2003 | S-III | |
| S-116 | Coupler, F Type, Interlocking, Coupler and Yoke Parts | 2003 | S-III | |
| S-117 | Coupler Contour, F Type, Interlocking | 2003 | S-III | |
| S-119 | Draft Gear Follower, Y44A | 2012 | B | |
| S-120 | Draft Key Retainers, Locks, Keepers, and Washer | 2011 | B | |
| S-121 | Draft Key | 2017 | B | |
| S-125 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective ACF Freight Saver 20- or 30-in. Travel Units—Plate No. 526-1 | 2003 | B | |
| S-126 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Keystone 20-in. Travel Unit, Santa Fe Shock Control, A.O. Smith Cushion Ride, and Rockwell Cargo Cushion—Plate No. 526-2 | 2003 | B | |
| S-127 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Cushion 10-, 12-, or 20-in. Travel Units or Evans Cushion Pak Wide Tunnel Units—Plate No. 526-3 | 2003 | B | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-128 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Pullman Standard Hydroframe 40 and 60 Units or National 3C Wide Tunnel Units—Plate No. 526-4 | 2003 | B | |
| S-129 | Couplers—Arrangement of Operating Mechanisms | 2000 | S-III | |
| S-130 | Coupler, E Type, Articulated Rotor Lever Assembly | 2003 | S-III | |
| S-131 | Coupler (Rotary), Type E60, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel | 2016 | S-III | |
| S-132 | Operating Mechanism, Type No. 6, Interlocking | 2003 | S-III | |
| S-133 | Coupler (Rotary), Type F70, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel | 2016 | S-III | |
| S-134 | Coupler (Rotary), Types E60, E67, and F70, Operating Rod for Use with Standard Draft Gear or End-of-Car Cushioning up to 15-in. Total Travel | 2016 | S-III | |
| S-137 | Coupler Shank Wear Plates and Application | 2000 | S-III | |
| S-139 | Yokes, Relief Fillets | 2003 | S-III | |
| S-141 | Yoke, E Type, Y40AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2009 | S-III | |
| S-142 | Yoke, E Type, Y41AE for 36-in. Draft Gear Pocket | 2009 | S-III | |
| S-143 | Yoke, E Type, SY40AE or YS93AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2009 | S-III | |
| S-149 | Yoke, E/F and F Type, Y45AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2003 | S-III | |
| S-151 | Yoke, E/F Type, Y49AE, Standard, for 36-in. Draft Gear Pocket | 2003 | S-III | |
| S-154 | Coupler, E Type, SE67CE and SE67DE, Top and Bottom Shelf | 2020 | S-III | |
| S-155 | Coupler, E/F Type, SE68CE and SE68DE, Top and Bottom Shelf | 2020 | S-III | |
| S-156 | Immobilization of Freightmaster Types SP-E and SP-C | 2003 | B | |
| S-157 | Immobilization of Freightmaster Types F, FS, and B | 2003 | B | |
| S-158 | Immobilization of Freightmaster | 2003 | B | |
| S-159 | Immobilization of Freightmaster Types HD and AR-F | 2003 | B | |
| S-160 | Immobilization of Keystone Type E Miner SR-12 | 2003 | B | |
| S-161 | Immobilization of Freightmaster 10-in. Type E Miner M-12S | 2003 | B | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-162 | Immobilization of Keystone F Shank | 2003 | B | |
| S-163 | Coupler, E Type, SBE60DE and SBE60EE, Bottom Shelf | 2020 | S-III | |
| S-164 | Coupler, E Type, SBE67CE and SBE67DE, Bottom Shelf | 2020 | S-III | |
| S-165 | Coupler, E/F Type, SBE68CE and SBE68DE, Bottom Shelf | 2020 | S-III | |
| S-170 | Coupler, E/F Type, SBE69BE and SBE69CE, Bottom Shelf | 2020 | S-III | |
| S-171 | Immobilization of Pullman Standard, ACF, or Keystone Center-of-Car Cushioning Devices ("Dummy Cylinder Method") | 2003 | B | |
| S-172 | Coupler, E/F Type, SE69BE and SE69CE, Top and Bottom Shelf | 2020 | S-III | |
| S-173 | Coupler, E Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions | 2003 | S-III | |
| S-174 | Coupler, F Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions | 2003 | S-III | |
| S-176 | Yoke, E Type, Cushioning, for Pocket EOC-7 | 2020 | S-III | |
| S-177 | Yoke, E Type, Cushioning, for Pocket EOC-8 | 2020 | S-III | |
| S-178 | Yoke, F Type, Cushioning, for Pocket EOC-9 | 2020 | S-III | |
| S-179 | Yoke, F Type, Cushioning, for Pocket EOC-10 and EOC 26 | 2020 | S-III | |
| S-180 | Yoke, F Type, Cushioning, for Pocket EOC-1, EOC-2, and EOC-16 | 2020 | S-III | |
| S-181 | Cushioning Pocket Identification Guide—AAR Rule 59 | 2003 | B | |
| S-182 | Pocket Tolerances—EOC-8 | 2011 | B | |
| S-183 | Pocket Tolerances—EOC-9 | 2011 | B | |
| S-184 | Pocket Tolerances—EOC-10 | 2011 | B | |
| S-203 | Coupler, Height Adjustment | 1962 | C | |
| S-204 | Body Center Plate, Separable—Surface Finish | 2014 | C | |
| S-206 | Body Center Plate, Cast Steel or Forged—for Freight Cars with 14 in. Center Plates | 1978 | C | |
| S-207 | Body Center Plate, Cast Steel or Forged—for Freight Cars with 16 in. Center Plates | 2014 | C | |
| S-211 | Body Center Plate Gauge—14-in. and 16-in. Diameter | 1976 | C | |
| S-212 | Side Door, Boxcar—Sliding Type | 2012 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-213 | Side Door and Door Frames, Boxcar—Plug Type | 2018 | C | |
| S-215 | Safety Hangers and Retainers—for Freight Car Doors | 1964 | C | |
| S-217 | Identification Plate—Boxcar Doors | 2009 | C | |
| S-219 | Safety Appliances for Bulkhead Flatcars, Including Pulpwood Cars and Center Beam Cars | 2017 | C | |
| S-220 | Safety Appliances for Special Service High-Side Gondolas with Fixed Ends | 2017 | C | |
| S-224 | Handholds, Safety Railings, and Ladder Treads | 2015 | C | |
| S-225 | Spark Shield—Wooden Deck Cars with Cast Iron Brake Shoes | 1980 | C | |
| S-226 | Running Board, End Platform, and Brake Step—Design Approval | 2020 | C | |
| S-227 | Walkways, Alternate—at Sides of Double-Stack Car Wells | 2020 | C | |
| S-229 | DOT Placard Location | 2013 | C | |
| S-230 | Lading Strap Anchor Arrangement and Use—for Flatcars | 1973 | C | |
| S-233 | Gravity Outlet Gates, New—for Covered Hopper Cars | 2014 | C | |
| S-234 | Lifting Freight Cars | 1982 | C | |
| S-235 | Side Bearing Wear Plate—Car Body | 2012 | C | |
| S-236 | Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Welded Application | 1978 | C | |
| S-238 | Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Parts and Assembly | 1978 | C | |
| S-239 | Arrangement E60 Coupler Design 24 5/8 in. Draft Gear Pocket Striker Applied by Welding | 2012 | C | |
| S-243 | Draft Arrangement, E68 Coupler, 24 5/8-in. Pocket | 1983 | C | |
| S-244 | Draft Arrangement, E69 Coupler, 24 5/8-in. Pocket | 1983 | C | |
| S-245 | Draft Arrangement, F70 Coupler, 24 5/8-in. Pocket—Striker Applied by Welding | 1978 | C | |
| S-247 | Draft Arrangement, F79 Coupler, 24 5/8-in. Pocket | 1978 | C | |
| S-249 | Door Puller Bracket, Application to Intermediate Post | 1978 | C | |
| S-252 | Door Air Lines—Location of End Cocks | 1978 | C | |
| S-253 | Train Coal Car, 100-Ton Nominal Capacity, with Train Positioner—Clearance Diagram | 1982 | C | |
| S-254 | Draft Pocket Tolerances | 1974 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-255 | Combined Striker and Front Draft Lug Tolerances | 1974 | C | |
| S-258 | Body Center Plate Relief | 1980 | C | |
| S-259 | Rail Car, 286,000-lb Gross Weight | 1994 | C | |
| S-265 | Center Pin—Freight Car | 1989 | C | |
| S-266 | Center Sill Section, Rolled Steel | 2012 | C | |
| S-267 | Center Sill Section—Welding Notes | 1979 | C | |
| S-269 | Coupler Carrier Wear Plate | 2003 | B | |
| S-270 | Wear Plate, Used in Cushion Unit and Draft Systems that Employ the Y-47 Pin for an F Shank | 2009 | B | |
| S-286 | Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars | 2016 | C | |
| S-300 | Truck, Freight Car—Design Data | 2016 | S-II | |
| S-301 | Truck, 33-in. Wheels—Design Dimensions | 2018 | S-II | |
| S-302 | Truck, 36 in. Wheels—Design Dimensions | 2018 | S-II | |
| S-304 | Truck, 38 in. Wheels—Design Dimensions | 2018 | S-II | |
| S-306 | Center Bowl Vertical Wear Liner | 2017 | D | |
| S-307 | Center Bowl Horizontal Wear Liner | 2017 | D | |
| S-308 | Center Bowl Wear Liner Application | 2012 | D | |
| S-310 | Bolster, 14 in. Center Plate—Limiting Outline | 1979 | S-II | |
| S-311 | Bolster, 16 in. Center Plate—Limiting Outline | 2009 | S-II | |
| S-312 | Bolster, Truck—Marking Diagram | 2014 | S-II | |
| S-314 | Side Frame, Truck—Marking Diagram | 2014 | S-II | |
| S-316 | Bolster—Tolerances | 1981 | S-II | |
| S-317 | Side Frame—Tolerances | 1981 | S-II | |
| S-318 | Side Frame—Bolster Rotation Stop Lug | 1965 | S-II | |
| S-319 | Side Frame—Wide Land Rotation Stop Lug Column | 1968 | S-II | |
| S-320 | Side Frame—Column Wear Plate, Application | 1983 | D | |
| S-325 | Side Frame, Narrow Pedestal—Limiting Dimensions | 2009 | S-II | |
| S-327 | Side Frame—Roof Repair | 2012 | S-II | |
| S-329 | Side Frame, Narrow Pedestal—Roller Bearing | 1997 | S-II | |
| S-332 | Spring—D2, 1 5/8-in. Travel | 1964 | D | |
| S-333 | Spring—D3, 2 1/2-in. Travel | 1977 | D | |
| S-334 | Spring—D4, 3 1/16-in. Travel | 1977 | D | |
| S-335 | Spring—D5, 3 11/16-in. Travel | 1977 | D | |
| S-336 | Spring—D6, 3 3/8-in. Travel | 1976 | D | |
| S-337 | Spring—D6A, 3 15/16-in. Travel | 2010 | D | |
| S-338 | Spring—D7, 4 1/4-in. Travel | 1977 | D | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-339 | Spring—Groups for D2 | 1981 | D | |
| S-340 | Spring—Groups D3, D4, D5, and D7 | 2010 | D | |
| S-341 | Spring—Groups D3, D4, D5, and Snubber | 2010 | D | |
| S-342 | Spring—Groups D3, D4, D5, D7, and Snubber | 2010 | D | |
| S-343 | Spring—Groups D5 and Hydraulic Snubber | 2010 | D | |
| S-344 | Brake Beam Specifications and Tests | 2007 | E | |
| S-345 | Brake Beam—Tolerance, Hangerless Type | 1979 | E | |
| S-346 | Brake Beam—Outline, Hanger Type | 1953 | E | |
| S-348 | Brake Beam Gauges for Standard Brake Beams | 1992 | E | |
| S-349 | Brake Beam—Outline, Hangerless Type | 1979 | E | |
| S-352 | Brake Beam Gauge Assembly—Hangerless Type | 1979 | E | |
| S-353 | Brake Beam Gauge Details—Hangerless Type | 1981 | E | |
| S-355 | Brake Beam Gauge Application—Hangerless Type | 1979 | E | |
| S-358 | Go Gauge for Brake Head, Metal or High-Friction Shoe | 2009 | E | |
| S-359 | Go and No-Go Gauge for Brake Head for Limiting Contour of Face, Metal or High-Friction Shoe | 1990 | E | |
| S-360 | Gauges for End of Hangerless-Type Brake Beam | 1979 | E | |
| S-361 | Go Gauges for Brake Shoe | 1944 | E | |
| S-362 | No-Go Gauge for Brake Shoe | 1944 | E | |
| S-365 | Standard Location of Brake Hanger Brackets and Unit Guide Brackets | 1979 | E | |
| S-366 | Unit Guide Bracket, EC-2055—Design Dimensions | 2009 | S-II | |
| S-367 | Wear Plate for Unit-Type Brake Beam Guide in Side Frame | 2003 | E | |
| S-368 | Brake Beam Hangers and Attachments | 1965 | E | |
| S-369 | Brake Beam Hangers and Attachments | 1965 | E | |
| S-370 | Limiting Contour of Face of Brake Heads for Hanger-Type Brake Beams | 2009 | E | |
| S-371 | Limiting Contour of Face of Brake Heads for Hangerless-Type Brake Beams | 2009 | E | |
| S-372 | Brake Head Conversion—Metal Shoe-Type to High-Friction Composition | 1972 | E | |
| S-373 | Location of Peep Hole on Cars Having Deep Side Sills for Checking Brake Cylinder Piston Travel | 1967 | D | |
| S-374 | Badge Plate for Showing Proper Dimensions for Body and Truck Brake Levers | 1964 | E | |
| S-375 | Brake Pin Tolerance | 1975 | E | |
| S-376 | Brake Shoe Keys | 2003 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-377 | Side Frame Keys for AAR Standard and Alternate Standard Pedestal-Type Side Frames | 1966 | D | |
| S-378 | Side Frame, Cast Steel—Marking and Mating | 2010 | S-II | |
| S-379 | Application Tolerances for Hanger-Type Brake Beams | unk | E | |
| S-380 | Hangerless Brake Beam Extension Functional Gauge (Parallelism) | 1979 | E | |
| S-392 | Truck—Design Drawings | 2018 | S-II | |
| S-393 | Side Frames and Bolsters—Produced Prior to 1978 | 2001 | S-II | |
| S-394 | Side Bearing Pad for Two-Hole Application | 1997 | D | |
| S-399 | Specification for Bottom Rod Safety Supports | 1992 | E | |
| S-400 | Brake Equipment—Installation Specifications | 2018 | E | |
| S-401 | Brake Design Requirements. | 2020 | E | Update Available |
| S-402 | Welding of Air Brake Pipe and Fittings for Railroad Cars—Welding Procedure | 2020 | E | Update Available |
| S-419 | Slack Adjuster, Mechanical, Double-Acting, Automatic Tension | 2017 | E | |
| S-420 | Slack Adjuster—Limiting Design Dimensions (Group E) | 2002 | E | |
| S-420A | Slack Adjuster, Tension—Limiting Design Dimensions | 2002 | E | |
| S-421 | Slack Adjuster, Center Rod Application (Group E) | 2002 | E | |
| S-422 | Slack Adjuster, Top Rod Application (Group E) | 2002 | E | |
| S-423 | Slack Adjuster Reclamation—Automatic, Double-Acting, Mechanical Slack Adjusters | 2010 | E | |
| S-424 | Angle Cock Location | 2018 | E | |
| S-425 | Angle Cock Location on Cars Equipped with AAR Type F Coupler | 2002 | E | |
| S-426 | Angle Cock Location on Cars with Floating Sills | 2005 | E | |
| S-427 | Angle Cock and Air Brake Hose Location on Cars with Excessive Overhang Preventing Compliance with AAR Standards S-424, S-425, and S-426 | 2005 | E | |
| S-428 | Angle Cock Location on Cars Equipped with AAR Type F Coupler and Cushioned Underframe | 2005 | E | |
| S-429 | Angle Cock Locking Lugs—Minimum Permissible Engagement | 2002 | E | |
| S-430 | Brake Shoe, Metal, Reinforced | 2002 | E | |
| S-431 | Brake Shoe, High-Friction Composition Type—Limiting Contour | 2017 | E | |
| S-432 | Hose Support, S Hook | 2002 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-436 | Hose Coupling, Dummy | 2002 | E | |
| S-437 | Hose, Other than Armored Type—Mounting Procedure | 2002 | E | |
| S-438 | Hose, Armored Type—Mounting Procedure | 1949 | E | |
| S-439 | Hose Clamps | 2002 | E | |
| S-440 | End Hose Gaskets, Couplings, and Nipples—Annual Test Requirements | 1999 | E | |
| S-441 | Air Brake and Signal Hose—Mounting of Coupling and Nipple | 2002 | E | |
| S-443 | Brake Cylinder Release Valve and Release Rod | 2002 | E | |
| S-444 | Brake Cylinder Release Valve Rod Handles—Location | 2002 | E | |
| S-445 | Retaining Valve—Location | 2002 | E | |
| S-446 | Retaining Valve, 1967-Type, Three-Position | 2002 | E | |
| S-447 | Hose Coupling Gasket Gauge | 2002 | E | |
| S-448 | Brake Shoe Go Gauge | 2002 | E | |
| S-449 | Brake Shoe No-Go Gauge | 2002 | E | |
| S-455 | Hose Coupling Condemning Gauges for Checking the Beads and Shanks on New and Used Hose Couplings and Nipples | 2002 | E | |
| S-456 | Hose Coupling Gauges for Gauging New and Used Couplings | 2002 | E | |
| S-457 | Hose Coupling Tester, Air Brake, Type A-1-B—Modification to Permit Testing of Pinless-Type Couplings | 2002 | E | |
| S-458 | Hose Assemblies—Reclamation Procedures | 2002 | E | |
| S-461 | Single-Capacity Freight Brakes—Performance Specification | 2019 | E | Update Available |
| S-462 | Control Valve—Approval Procedure | 2019 | E | Update Available |
| S-463 | Test Rack, Multiple-Car, Freight Brake | 2019 | E | Update Available |
| S-464 | Test Rack, Multiple-Car—Performance Testing Procedure | 2019 | E | Update Available |
| S-465 | Test Rack, Single-Car | 2002 | E | |
| S-466 | Test Rack, Single-Car, for Individual Valve Portions—Performance Testing Procedure | 2005 | E | |
| S-467 | Control Valve, Freight Brake—Environmental Tests | 2002 | E | |
| S-468 | Control Valve Pipe Bracket | 2009 | E | |
| S-469 | Performance Specification for Freight Brakes | 2006 | E | |
| S-470 | Angle Cock, Ball Type—Specification for Approval | 2002 | E | |
| S-471 | Brake Pipe Restriction Test | 2010 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-472 | End Cock Location on Cars Arranged for Rotary Dump Service | 2002 | E | |
| S-473 | Brake Equipment—Application Form for AAR Approval of New and Untried Freight Cars | 2003 | E | |
| S-475 | Hand Brakes | 2019 | E | Update Available |
| S-476 | Angle Cocks and Brake Pipe End Cocks—Repair Specification | 1981 | E | |
| S-477 | Control Valve—Shop Certification Requirements for Approved Valves | 2002 | E | |
| S-486 | Code of Air Brake System Tests for Freight Equipment—Single Car Test | 2018 | E | |
| S-488 | End Cock and Air Brake Hose Location on Long Cars | 2002 | E | |
| S-489 | Dirt Collector and Cutout Cock, Combined—Repair Specification | 1981 | E | |
| S-490 | Vent Protector Performance and Approval | 2002 | E | |
| S-491 | Hose Coupling | 2005 | E | |
| S-492 | Field Service Reports—Requirements | 2002 | E | |
| S-493 | Dirt Collector and Cutout Cock—Test Specification | 2002 | E | |
| S-494 | Reservoir, Steel Fabricated, Combined Auxiliary and Emergency | 2005 | E | |
| S-495 | Angle Cock Location on Cars Arranged for Rotary Dump Service | 2002 | E | |
| S-512 | 27-Point Control Plug and Receptacle | 2007 | M | |
| S-580 | Locomotive Crashworthiness Requirements | 2020 | M | |
| S-591 | Locomotive System Integration Operating Display | 2020 | M | |
| S-601 | Wheels—Manufacturing Facility Inspection by Technical Services | 2004 | G | |
| S-611 | Wheels—Measuring Wheel Circumference (Tape) Using Wheel Gauges S-612 and S-613 | 2004 | G | |
| S-612 | Circumference Measure (Tape) for 27 in. to 38 in. Steel Wheels | 2004 | G | |
| S-613 | Circumference Measure (Tape) for 38 in. to 52 in. Steel Wheels | 2004 | G | |
| S-614 | Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-615 | Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-616 | Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-617 | Gauge, Wheel—Former Standard 1980 | 1980 | G | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-618 | Gauge, Wheel—Former Standard 1976 | 1976 | G | |
| S-619 | Reference Groove for Multiple-Wear Diesel Wheels | 2015 | G | |
| S-627 | Combined Wheel Gauge | 1998 | G | |
| S-628 | Combined Wheel Gauge | 1998 | G | |
| S-629 | Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 1998 | G | |
| S-630 | Steel Wheel Gauge | 2013 | G | |
| S-649 | Axles—Manufacturing Facility Inspection by Technical Services | 2004 | G | |
| S-657 | Wheel, Passenger Car (Amfleet) | 1980 | G | |
| S-658 | Axle for Passenger Cars (Amfleet) Inboard Roller Bearing—Raised Wheel Seat | 2020 | G | |
| S-659 | Mandatory Rules Governing Wheel Shop Practices as Required by Interchange Rules | 2022 | G-II | Update Available |
| S-660 | Wheel Designs, Locomotive and Freight Car—Analytic Evaluation | 2009 | G | |
| S-661 | Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel | 1991 | G | |
| S-662 | Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel | 1991 | G | |
| S-663 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Narrow Flange Wheel Gauge S-661 | 1991 | G | |
| S-664 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Narrow Flange Wheel Gauge S-662 | 1991 | G | |
| S-665 | Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels | 1991 | G | |
| S-666 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Wide Flange Wheel Gauge S-665 | 1991 | G | |
| S-667 | Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels | 1991 | G | |
| S-668 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Wide Flange Wheel Gauge S-667 | 1991 | G | |
| S-669 | Analytic Evaluation of Locomotive Wheel Designs | 2020 | G | |
| S-701 | Locking Plate for Journal Roller Bearing Assemblies | 1997 | H | |
| S-701A | Locking Plate for Journal Roller Bearing Assemblies | 2012 | H | |
| S-702 | Component Parts for Journal Roller Bearing Assemblies | 1998 | H | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-703 | Cap Screws for Journal Roller Bearing Assemblies | 2021 | H | |
| S-704 | Adapter for Use with AAR Standard Pedestal-Type Side | 1968 | H | |
| S-705 | Wear Gauge for Journal Roller Bearing Adapters | 1978 | H | |
| S-706 | Wear Gauge for Journal Roller Bearing Adapters | 1975 | H | |
| S-720 | Tabulation of Adapters and Frame Keys for AAR-Approved Roller Bearings | 2008 | H | |
| S-721 | Roller Bearing Manual—Mandatory Instructions and Practices | 2018 | H-II | |
| S-722 | Roller Bearing Manual—Rules Covering Requirements for Approval of Roller Bearing Shops to Recondition Roller Bearings for Interchange Service | 2012 | H-II | |
| S-723 | Roller Bearing Manual—Mandatory Minimum Requirements for Roller Bearing Reconditioning Shops—Procedures—Tool Requirements Necessary to Make Roller Bearing Repairs for Interchange Use | 2021 | H-II | |
| S-724 | Roller Bearing Manual—Information on Amtrak Passenger Car Bearings | 2012 | H-II | |
| S-725 | Roller Bearing Manual—Manufacture of Interchangeable Roller Bearing Components | 2018 | H-II | |
| S-726 | Roller Bearing Manual—Remanufacture of Roller Bearing Components | 2017 | H-II | |
| S-727 | Roller Bearing Manual—Appendix A. Approved Materials | 2015 | G-II | |
| S-732 | Inspection and Lubrication of Trailer Hitches on Flatcars | 2016 | I | |
| S-810 | Field Impact and Over-the-Road Tests of Multi-Level Tie-down Equipment and/or Methods | 2021 | N | Update Available |
| S-815 | Tie-Down Chain Assemblies for Multi-Level and Other Flat Cars, Refurbished High Test Grade 43 or Alloy Grade 80 | 1994 | N | |
| S-910 | Marking of Freight Cars | 2022 | C | Update Available |
| S-9103 | Precision Navigation Module Interface Control Document (ICD) | 2021 | K-II | Update Available |
| S-916 | Retroreflective Comparator Panel Requirements | 2018 | C | |
| S-920 | AAR Component Identification (CID) Bar Code Standard | 2022 | F | Update Available |
| S-2008 | Card Holder—Bad Order | 2013 | C | |
| S-2009 | Push Rod, Brake Cylinder | 1964 | E | |
| S-2025 | Hopper Car—End for Door Operating Shaft | 1914 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-2034 | Car Builder Certification | 2019 | C | |
| S-2035 | Side Handhold, Additional—Hopper and High-Side Gondola Cars | 2017 | C | |
| S-2036 | Temperature—for Car Structures and Components | 1983 | C | |
| S-2037 | Trough Hatch Cover | 2015 | C | |
| S-2038 | Rack Car, Multilevel, with or without Door or Roof, Enclosed—Safety Appliance Standards | 2017 | C | |
| S-2039 | Batten Bars | 2014 | C | |
| S-2042 | Performance Specification for Sill Steps | 2017 | C | |
| S-2043 | Performance Specification for Trains Used to Carry High-Level Radioactive Material | 2017 | C | |
| S-2044 | Safety Appliance Requirements for Freight Cars | 2020 | C | |
| S-2045 | Remote Monitoring Equipment, Installation | 2022 | C | Update Available |
| S-2046 | Accelerated Fatigue Test Specification for Increased Life Status Applications | 2006 | C | |
| S-2049 | Anti-Pilferage Device—Boxcar Sliding Door | 2007 | C | |
| S-2050 | Anti-Pilferage Device—Boxcar Plug Door | 2007 | C | |
| S-2053 | Container Interface—Well Car, 53 ft | 2009 | C | |
| S-2054 | Clearance Diagram—Interface Between a Well Car and a Container Equipped with a Refrigerator/ Heater Unit | 2016 | C | |
| S-2055 | Body Center Plate, Low Profile | 2014 | C | |
| S-2056 | Clearance Plate Diagrams for Interchange Service | 2020 | C | |
| S-3001 | Approval of AAR-Approved Brake Beam Safety Supports | 1984 | E | |
| S-3003 | Side Frame—Column Friction Wear Plate, Application | 1983 | D | |
| S-3005 | Universal Brake Beam Gauge | 1985 | E | |
| S-3006 | Specification for Recertified “D” Series Helical Truck Springs | 1988 | D | |
| S-3007 | Specifications for the Certification of New Truck Designs for Compatibility with Hot Bearing Detection Systems | 1991 | D | |
| S-3008 | Performance of Devices or Designs to Control Yaw Dynamics in Freight Car Trucks | 1997 | D | |
| S-3009 | Specification for Self-Locking Cotter Keys | 1992 | E | |
| S-3010 | Side Frame, Standard Pedestal-Type with Side Frame Key—Limiting Dimensions | 1947 | S-II | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-3011 | Side Frame, Standard Pedestal-Type Size 6 in. × 11 in. with Side Frame Key—Limiting Dimensions | 1997 | S-II | |
| S-3012 | Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit | 1994 | S-II | |
| S-3013 | Specifications Covering Surface of Truck Bolster Side Bearing Mounting Pad | 1997 | D | |
| S-3014 | Freight Car Truck Springs—with Snubber Spring | 2010 | D | |
| S-3015 | Freight Car Truck Springs—without Snubber Spring | 2010 | D | |
| S-3016 | Spring—Groups for Free, Unrestricted Interchange for 286,000 GRL Cars (M-976 and S-286 Approved Trucks) | 2018 | D | |
| S-4000 | Brake Pipe Reduction Devices, Freight Auxiliary—Environmental Tests | 1984 | E | |
| S-4001 | Rubber Products—Performance | 2018 | E | |
| S-4002 | Empty/Load Devices—Performance Testing | 2005 | E | |
| S-4003 | Train Line Arrangement for Cars with F-Shank Couplers | 2005 | E | |
| S-4004 | Brake Cylinder—Performance Testing | 2002 | E | |
| S-4005 | Brake Systems, Truck-Mounted—Performance Testing | 2002 | E | |
| S-4006 | Hose Supports—Performance Testing | 2008 | E | |
| S-4007 | Reservoir, Combined Auxiliary and Emergency—Reclamation Procedure | 2002 | E | |
| S-4008 | Slack Adjuster, Mechanical, Double-Acting, Automatic Compression | 2017 | E | |
| S-4009 | Compression Slack Adjusters and Piston Travel Adjustment—Inspection, Testing, Removal, and Application | 2009 | E | |
| S-4010 | Slack Adjuster, Tension—Inspection, Testing, Removal, and Application | 2018 | E | |
| S-4013 | Train Line Hoses—Coupling Extension Adapter | 2002 | E | |
| S-4020 | Brake Cylinder Pressure Measurement Taps | 2005 | E | |
| S-4021 | Angle Cock and Brake Hose Location on Cars with EOCC | 2009 | E | |
| S-4022 | Pipe, Other than Schedule 80 Iron (RETIRED 04/16/2020) | 2006 | E | Update Available |
| S-4023 | Brake Shoe Limiting Contour, Low-Friction Composition Type | 2009 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-4024 | Brake Shoe Force Measurement Devices—Performance Specification | 2002 | E | |
| S-4025 | Brake Beam Wear Liners, Non-Metallic | 2004 | E | |
| S-4026 | Brake Rod Connector—Design Requirements | 2003 | E | |
| S-4027 | Automated Single-Car Test Equipment, Conventional Brake Equipment—Design and Performance Requirements | 2018 | E | |
| S-4028 | Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Not Exceeding 45 in. in Length | 2008 | E | |
| S-4029 | Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Exceeding 45 in. in Length | 2008 | E | |
| S-4030 | Trolley Arrangement on Cars with EOCC and E Shank Couplers | 2008 | E | |
| S-4045 | Passenger Equipment Maintenance Requirements (formerly S-045) | 2013 | E | |
| S-4046 | Date Markings for Rubberized Components | 2016 | E | |
| S-4047 | Positive Train Control—Locomotive Air Brake Interface Requirements | 2017 | E | |
| S-4200 | Electronically Controlled Pneumatic (ECP) Cable-Based Brake Systems—Performance Requirements | 2014 | E-II | |
| S-4210 | ECP Cable-Based Brake System Cable, Connectors, and Junction Boxes—Performance Specification | 2014 | E-II | |
| S-4220 | ECP Cable-Based Brake DC Power Supply—Performance Specification | 2002 | E-II | |
| S-4230 | Intratrain Communication Specification for Cable-Based Freight Train Control Systems | 2014 | E-II | |
| S-4240 | ECP Brake Equipment—Approval Procedure | 2007 | E-II | |
| S-4250 | Performance Requirements for ITC-Controlled Cable-Based Distributed Power Systems | 2014 | E-II | |
| S-4260 | ECP Brake and Wire Distributed Power Interoperability Test Procedures | 2008 | E-II | |
| S-4270 | ECP BRake System Configuration Management | 2008 | E-II | |
| S-4286 | Single-Car Test for Testing Electronically Controlled Pneumatic Braking Systems—Design and Performance Requirements | 2009 | E-II | |
| S-5018 | Dynamic Braking Control | 2020 | M | |
| S-5019 | Locomotive Definitions | 2019 | M | |
| S-5020 | Color Code for Identifying Fluids on Locomotive | 2015 | M | |
| S-5021 | Wheel Size and Speed Pickup Axle Identification | 2016 | M | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-5022 | Ultra-Low Sulfur Diesel (ULSD) Identification Label/Decal | 2015 | M | |
| S-5025 | Gaseous Supply Hose Unit for Fuel Tenders | 2017 | T | Update Available |
| S-5026 | Heat Exchange Fluid Hose Unit for Fuel Tenders | 2017 | T | Update Available |
| S-5027 | 21-Point Control Plug, Cable Assembly, and Receptacle (TC-21 Tender Control Cable) | 2022 | T | Update Available |
| S-5028 | Safety Appliance Requirements for Tank Car-style Fuel Tenders | 2020 | T | Update Available |
| S-5029 | Safety Appliance Requirements for Intermodal Car-style Fuel Tenders | 2020 | T | Update Available |
| S-5030 | Safety Appliance Requirements for Enclosed Car Body-style Fuel Tenders | 2020 | T | Update Available |
| S-5031 | Tender-fill Control Cable FC-18 | 2020 | T | Update Available |
| S-5032 | Tender-fill Ethernet Cable (FC-8) | 2020 | T | Update Available |
| S-5101 | Locomotive Cab Window Glazing Material | 2002 | M | |
| S-5500 | Locomotive Interchange Agreement | 2007 | M | |
| S-5502 | Automatic Engine Start/Stop System | 2011 | M | |
| S-5506 | Performance Requirements for Diesel Electric Locomotive Fuel Tanks | 2001 | M | |
| S-5507 | Remote Control Locomotives | 2002 | M | |
| S-5509 | Locomotive Dynamic Brake Status Reporting | 2018 | M | |
| S-5512 | Locomotive Event Recorder Download Standard (RETIRED 02/22/2021) | 2021 | M | Update Available |
| S-5513 | Locomotive Alerter Requirements | 2021 | M | Update Available |
| S-5514 | Locomotive Operator Control Symbols | 2011 | M | |
| S-5515 | LED Lighting for Locomotives | 2017 | M | |
| S-5516 | LED Headlights and Auxiliary Lighting for Locomotives | 2020 | M | |
| S-5520 | Locomotive Cab Securement | 2014 | M | |
| S-5529 | Multiple Unit Pneumatic Brake Equipment for Locomotives | 2008 | M | |
| S-5530 | Locomotive Headlight Control | 2018 | M | |
| S-5531 | Remote Monitoring Equipment, Locomotive—Installation | 2019 | M | |
| S-5597 | Air Flow Indicators | 2007 | M | |
| S-5598 | Calibration Procedure for AFM Type Air Flow Indicators | 2007 | M | |
| S-6000 | Acoustic Roller Bearing Detector Level-1 Indications | 2021 | F | Update Available |
| S-6001 | Bearing Temperature Performance | 2021 | F | Update Available |
| S-6002 | Data Summary Definitions | 2021 | F | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-6003 | Data Summary—Truck Hunting | 2021 | F | Update Available |
| S-6004 | Data Summary—TADS® | 2021 | F | Update Available |
| S-6005 | Data Summary—RailBAM® | 2021 | F | Update Available |
| S-6006 | Data Summary—Brake Health Truck | 2021 | F | Update Available |
| S-6007 | Data Summary—Brake Health Car | 2015 | F | |
| S-6008 | Data Summary—Salient Wheel Impact | 2021 | F | Update Available |
| S-6009 | Data Summary—Automatic Equipment Identification (AEI) | 2021 | F | Update Available |
| S-6010 | Data Summary—Wheel Profile Detector (WPD) | 2019 | F | |
| S-6020 | Data Summary Definition—Line-of-Road Failure | 2019 | F | |
| S-6021 | Data Summary Definition—Line-of-Road Failure—Air Hose Separation | 2021 | F | Update Available |
| S-6022 | Data Summary Definition—Line-of-Road Failure—Train Separation | 2016 | F | |
| S-6023 | Data Summary Definition—Line-of-Road Failure—Brake System/Other | 2016 | F | |
| S-6030 | Wheel Performance—Dynamic Impact and Rim Thickness | 2016 | F | |
| S-6031 | Inoperative Brake Indications as Determined by Wayside Detector | 2016 | F | |
| S-6100 | Wayside Detector Data Processing | 2016 | F | |
| S-6101 | Detector Calibration and Validation Requirements | 2022 | F | Update Available |
| S-6102 | Wayside Passing Data Format | 2021 | F | Update Available |
| S-6103 | Wheel Profile Detector | 2021 | F | Update Available |
| S-6200 | Machine Vision Detector | 2021 | F | Update Available |
| S-9001 | ITC System Reference Architecture | 2012 | K-I | |
| S-9002 | Railroad Electronics Standards Configuration Management | 2009 | K-I | |
| S-9010 | Data Protection | 2019 | K-I | Update Available |
| S-9053 | Positive Train Control ITC System Requirements–Level 0 | 2018 | K-I | Update Available |
| S-9054 | Positive Train Control ITC System Requirements–Level 1 | 2018 | K-I | Update Available |
| S-9055 | Positive Train Control ITC Communications Segment Requirements—Level 1 | 2013 | K-I | |
| S-9056 | Positive Train Control ITC Wayside System Requirements—Level 1 | 2012 | K-I | |
| S-9057 | Positive Train Control ITC Systems Management Requirements—Level 1 | 2012 | K-I | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9058 | Interoperable Train Control Ticket Management (ITCTM) Requirements and Use Cases | 2021 | K-I | Update Available |
| S-9070 | I-ETMS Human Machine Interface Standard | 2012 | K-I | |
| S-9074 | Federated Network Requirements | 2020 | K-I | Update Available |
| S-9075 | ISMP Design Considerations | 2022 | K-I | Update Available |
| S-9076 | ITC Systems Management Interoperable Gateway Requirements | 2021 | K-I | Update Available |
| S-9080 | Positive Train Control Interoperability Committee Policy | 2020 | K-I | Update Available |
| S-9081.V1.1 | Positive Train Control (PTC) – Interoperable Train Control (ITC) – Electronic Data Interchange (EDI) Rules Governing the Use of EDI 161, EDI 824 & EDI 418J | 2021 | K-I | Update Available |
| S-9081.V1.2 | Positive Train Control (PTC) – Interoperable Train Control (ITC) – Electronic Data Interchange (EDI) Rules Governing the Use of EDI 161, EDI 824 & EDI 418J | 2021 | K-I | Update Available |
| S-9101 | Locomotive Electronics System Architecture | 2019 | K-II | Update Available |
| S-9101B | Locomotive Data Acquisition and Recording System Architecture | 2011 | K-II | |
| S-9101C | Locomotive Data Acquisition and Recording System (LDARS)—Event Data Acquisition Processor | 2018 | K-II | Update Available |
| S-9101E | Locomotive System Integration Communications | 2016 | K-II | Update Available |
| S-9101G | Locomotive Data Acquisition and Recording System (LDARS)—Common File Format Standard | 2018 | K-II | Update Available |
| S-9152 | End-of-Train Communications | 2016 | K-II | Update Available |
| S-9153 | Common Air Interface (CAI-12) Communications FOR Remote Control Locomotive Systems (RCL) Operating AT 220 Mhz | 2012 | K-II | |
| S-9202 | Interoperable Train Control Wayside Interface Unit Requirements | 2012 | K-III | |
| S-9202A | Integrated Wayside Messaging Server Hardware Requirements | 2011 | K-III | |
| S-9202B | Stand-alone Wayside Messaging Server Hardware Requirements | 2012 | K-III | |
| S-9203 | Automatic Equipment Identification | 2010 | K-III | |
| S-9203. V1.1 | Automatic Equipment Identification | 2020 | K-III | Update Available |
| S-9203A | AEI Site-to-Host Consist Report Format | 2009 | K-III | |
| S-9203A. V1.1 | AEI Site-to-Host Consist Report Format | 2020 | K-III | Update Available |
| S-9203B | AEI Site-to-Host Wayside Report Format | 2010 | K-III | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9353. V1.0 | Railroad Electronics Standards Committee (RESC) Data Dictionary | 2019 | K-IV | Update Available |
| S-9353. V1.1 | Railroad Electronics Standards Committee (RESC) Data Dictionary | 2021 | K-IV | Update Available |
| S-9354 | Edge Message Protocol | 2018 | K-IV | Update Available |
| S-9355 | Class C Messaging | 2010 | K-IV | |
| S-9356 | Class D Messaging | 2018 | K-IV | Update Available |
| S-9357 | Mutually Authenticated Key Exchange | 2019 | K-IV | Update Available |
| S-9358 | Anonymous Key Exchange | 2019 | K-IV | Update Available |
| S-9359 | Interoperable Certificate Revocation Responder Service | 2019 | K-IV | Update Available |
| S-9361 V3.0 | Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD) | 2020 | K-IV | Update Available |
| S-9361 V3.1 | Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9362 | Interoperable Train Control (ITC) Wayside-Locomotive Interface Control Document (ICD) | 2014 | K-IV | |
| S-9363 | ITC Time and Location—Interface Control Document (ICD) | 2012 | K-IV | |
| S-9364 | I-ETMS® Onboard Segment Data Distribution Messages Interface Control Document (ICD) | 2017 | K-IV | Update Available |
| S-9365 | Locomotive Interface Gateway (LIG) to Positive Train Control (PTC) Interface Control Document (ICD) | 2019 | K-IV | Update Available |
| S-9371.V1.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2014 | K-IV | Update Available |
| S-9371.V2.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2018 | K-IV | Update Available |
| S-9371.V3.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9372.V1.0 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2014 | K-IV | Update Available |
| S-9372.V1.1 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2016 | K-IV | Update Available |
| S-9372.V2.0 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2018 | K-IV | Update Available |
| S-9375 | Centralized Traffic Control (CTC) over Interoperable Train Control Management (ITCM)—Interface Control Document | 2018 | K-IV | Update Available |
| S-9376 | Edge Message Protocol (EMP) Subscribe Message Interface Control Document (ICD) | 2016 | K-IV | Update Available |

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|---|---|---|---|---|
| S-9378.V1.0 | Interoperable Train Control Ticket Management (ITCTM) Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9379 | Requirements for Using an ITC EMP Application Gateway | 2018 | K-IV | Update Available |
| S-9382.V1 | Interoperable Asset Access Service | 2022 | K-IV | Update Available |
| S-9401 | Railroad Electronics Environmental Requirements | 2009 | K-V | |
| S-9451 | ITCSM Common Systems Management Requirements | 2014 | K-V | |
| S-9451A.V1 | ITCSM WIU Asset-Specific Requirements for Interoperable Train Control | 2012 | K-V | |
| S-9451A.V2 | ITCSM WIU Asset-Specific Requirements for Interoperable Train Control | 2021 | K-V | Update Available |
| S-9452 | ITCSM Common Data Dictionary for Interoperable Train Control | 2018 | K-V | Update Available |
| S-9452A.V2 | ITCSM WIU Asset-specific Data Dictionary for Interoperable Train Control | 2021 | K-V | Update Available |
| S-9454 | ITC System Management (ITCSM) Back Office Requirements for Interoperable Train Control | 2014 | K-V | |
| S-9460 | ITCSM Interface Control Document for Interoperable Train | 2018 | K-V | Update Available |
| S-9501 | Positive Train Control Data Model Definition | 2018 | K-VI | Update Available |
| S-9502.V1.0 | PTC Track Data Exchange | 2020 | K-VI | Update Available |
| S-9502.V1.1 | PTC Track Data Exchange | 2020 | K-VI | Update Available |
| S-9503 | Interoperable Electronic Train Management System® (I-ETMS) Subdivision File | 2015 | K-VI | Update Available |
| S-9552 | Railroad Communications Network | 2004 | K-VI | |
| S-9553 | Communications System Architecture | 2002 | K-VI | |
| S-9553A | Mobile Communications Package | 2002 | K-VI | |
| S-9553B | Front End Processor | 2002 | K-VI | |
| S-9553C | Cluster Controller | 2002 | K-VI | |
| S-9553D | Base Communications Package | 2002 | K-VI | |
| S-9555 | Railroad Use of IEEE 802.11 | 2015 | K-VI | Update Available |
| S-9556 | AAR Channel Plan for VHF Frequencies from 160.215 MHz to 161.565 MHz | 2013 | K-VI | |
| S-9557 | Interoperable Train Control (ITC) Radio Identification Format | 2015 | K-VI | Update Available |
| S-9558.V1.0 | Interoperable IP Network Address Allocations | 2021 | K-VI | Update Available |

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|---|---|---|---|---|
| S-5027 | 21-Point Control Plug, Cable Assembly, and Receptacle (TC-21 Tender Control Cable) | 2022 | T | Update Available |
| S-512 | 27-Point Control Plug and Receptacle | 2007 | M | |
| S-9556 | AAR Channel Plan for VHF Frequencies from 160.215 MHz to 161.565 MHz | 2013 | K-VI | |
| S-920 | AAR Component Identification (CID) Bar Code Standard | 2022 | F | Update Available |
| M-1002 Ch2 | AAR Special Requirements for DOT Tank Cars | 2022 | C-III | Update Available |
| S-2046 | Accelerated Fatigue Test Specification for Increased Life Status Applications | 2006 | C | |
| RP-5107 | Access Doors to Light Boxes for Road Number, Headlight, or Warning Lights—Outside Cab | 2001 | M | |
| S-6000 | Acoustic Roller Bearing Detector Level-1 Indications | 2021 | F | Update Available |
| M-947 | Adhesive-Backed Films for Marking Cars—Performance-Based Requirements | 2015 | C | |
| RP-9203 | AEI Reader Equipment Requirements | 2010 | K-III | |
| S-704 | Adapter for Use with AAR Standard Pedestal-Type Side | 1968 | H | |
| S-9203A | AEI Site-to-Host Consist Report Format | 2009 | K-III | |
| S-9203A. V1.1 | AEI Site-to-Host Consist Report Format | 2020 | K-III | Update Available |
| S-441 | Air Brake and Signal Hose—Mounting of Coupling and Nipple | 2002 | E | |
| RP-508 | Air Brake Exhaust Piping | 2001 | M | |
| S-5597 | Air Flow Indicators | 2007 | M | |
| S-669 | Analytic Evaluation of Locomotive Wheel Designs | 2020 | G | |
| S-427 | Angle Cock and Air Brake Hose Location on Cars with Excessive Overhang Preventing Compliance with AAR Standards S-424, S-425, and S-426 | 2005 | E | |
| S-4021 | Angle Cock and Brake Hose Location on Cars with EOCC | 2009 | E | |
| S-424 | Angle Cock Location | 2018 | E | |
| S-495 | Angle Cock Location on Cars Arranged for Rotary Dump Service | 2002 | E | |
| S-425 | Angle Cock Location on Cars Equipped with AAR Type F Coupler | 2002 | E | |
| S-428 | Angle Cock Location on Cars Equipped with AAR Type F Coupler and Cushioned Underframe | 2005 | E | |

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|---|---|---|---|---|
| S-426 | Angle Cock Location on Cars with Floating Sills | 2005 | E | |
| S-429 | Angle Cock Locking Lugs—Minimum Permissible Engagement | 2002 | E | |
| S-470 | Angle Cock, Ball Type—Specification for Approval | 2002 | E | |
| S-476 | Angle Cocks and Brake Pipe End Cocks—Repair Specification | 1981 | E | |
| S-9358 | Anonymous Key Exchange | 2019 | K-IV | Update Available |
| S-2050 | Anti-Pilferage Device—Boxcar Plug Door | 2007 | C | |
| S-2049 | Anti-Pilferage Device—Boxcar Sliding Door | 2007 | C | |
| S-060 | Application for Component Approval Procedure | 2015 | AS | Update Available |
| RP-323 | Application of Snap-On Pedestal Roof Liners for AAR Pedestal-Type Side Frames | 2012 | D | |
| S-379 | Application Tolerances for Hanger-Type Brake Beams | unk | E | |
| S-3001 | Approval of AAR-Approved Brake Beam Safety Supports | 1984 | E | |
| S-239 | Arrangement E60 Coupler Design 24 5/8 in. Draft Gear Pocket Striker Applied by Welding | 2012 | C | |
| S-4027 | Automated Single-Car Test Equipment, Conventional Brake Equipment—Design and Performance Requirements | 2018 | E | |
| S-5502 | Automatic Engine Start/Stop System | 2011 | M | |
| S-9203 | Automatic Equipment Identification | 2010 | K-III | |
| S-9203. V1.1 | Automatic Equipment Identification | 2020 | K-III | Update Available |
| S-658 | Axle for Passenger Cars (Amfleet) Inboard Roller Bearing—Raised Wheel Seat | 2020 | G | |
| RP-5523 | Axle Nomenclature Arrangement—Locomotives | 2001 | M | |
| RP-622 | Axle, Weight—Machined Finish, Raised Wheel Seat | 2007 | G | |
| S-649 | Axles—Manufacturing Facility Inspection by Technical Services | 2004 | G | |
| M-101 | Axles, Carbon Steel, Heat-Treated | 2020 | G | |
| M-985 | Bad Order Device for Identification of Defective Hitches | 2004 | I | |
| S-374 | Badge Plate for Showing Proper Dimensions for Body and Truck Brake Levers | 1964 | E | |
| S-9553D | Base Communications Package | 2002 | K-VI | |
| RP-5209 | Basic Brake Design Data for Freight Locomotives | 1999 | M | |
| S-2039 | Batten Bars | 2014 | C | |
| S-6001 | Bearing Temperature Performance | 2021 | F | Update Available |

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| M-131 | Blooms, Billets, and Slabs—Alloy Steel | 1964 | S | |
| S-211 | Body Center Plate Gauge—14-in. and 16-in. Diameter | 1976 | C | |
| S-258 | Body Center Plate Relief | 1980 | C | |
| S-206 | Body Center Plate, Cast Steel or Forged—for Freight Cars with 14 in. Center Plates | 1978 | C | |
| S-207 | Body Center Plate, Cast Steel or Forged—for Freight Cars with 16 in. Center Plates | 2014 | C | |
| S-2055 | Body Center Plate, Low Profile | 2014 | C | |
| S-204 | Body Center Plate, Separable—Surface Finish | 2014 | C | |
| M-203A | Bolster Design Loads | 1997 | S | |
| S-316 | Bolster—Tolerances | 1981 | S-II | |
| S-310 | Bolster, 14 in. Center Plate—Limiting Outline | 1979 | S-II | |
| S-311 | Bolster, 16 in. Center Plate—Limiting Outline | 2009 | S-II | |
| S-312 | Bolster, Truck—Marking Diagram | 2014 | S-II | |
| S-355 | Brake Beam Gauge Application—Hangerless Type | 1979 | E | |
| S-352 | Brake Beam Gauge Assembly—Hangerless Type | 1979 | E | |
| S-353 | Brake Beam Gauge Details—Hangerless Type | 1981 | E | |
| S-348 | Brake Beam Gauges for Standard Brake Beams | 1992 | E | |
| S-368 | Brake Beam Hangers and Attachments | 1965 | E | |
| S-369 | Brake Beam Hangers and Attachments | 1965 | E | |
| S-344 | Brake Beam Specifications and Tests | 2007 | E | |
| RP-322 | Brake Beam Strut Keyway Gauge | 1992 | E | |
| S-4025 | Brake Beam Wear Liners, Non-Metallic | 2004 | E | |
| S-346 | Brake Beam—Outline, Hanger Type | 1953 | E | |
| S-349 | Brake Beam—Outline, Hangerless Type | 1979 | E | |
| S-345 | Brake Beam—Tolerance, Hangerless Type | 1979 | E | |
| RP-401 | Brake Control Valves—Mount-Configuration Designs as Related to Field Vibration | 2014 | C | |
| M-619 | Brake Cylinder Line Hose Assemblies—Performance Requirements | 2005 | E | |
| M-914 | Brake Cylinder Lubricant | 2003 | E | |
| S-4020 | Brake Cylinder Pressure Measurement Taps | 2005 | E | |
| S-443 | Brake Cylinder Release Valve and Release Rod | 2002 | E | |
| S-444 | Brake Cylinder Release Valve Rod Handles—Location | 2002 | E | |
| S-4004 | Brake Cylinder—Performance Testing | 2002 | E | |
| S-401 | Brake Design Requirements. | 2020 | E | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-473 | Brake Equipment—Application Form for AAR Approval of New and Untried Freight Cars | 2003 | E | |
| S-400 | Brake Equipment—Installation Specifications | 2018 | E | |
| S-372 | Brake Head Conversion—Metal Shoe-Type to High-Friction Composition | 1972 | E | |
| S-375 | Brake Pin Tolerance | 1975 | E | |
| S-4000 | Brake Pipe Reduction Devices, Freight Auxiliary—Environmental Tests | 1984 | E | |
| S-471 | Brake Pipe Restriction Test | 2010 | E | |
| S-4026 | Brake Rod Connector—Design Requirements | 2003 | E | |
| S-4024 | Brake Shoe Force Measurement Devices—Performance Specification | 2002 | E | |
| S-448 | Brake Shoe Go Gauge | 2002 | E | |
| S-376 | Brake Shoe Keys | 2003 | E | |
| S-4023 | Brake Shoe Limiting Contour, Low-Friction Composition Type | 2009 | E | |
| S-449 | Brake Shoe No-Go Gauge | 2002 | E | |
| RP-518 | Brake Shoe Unflanged | 2001 | M | |
| M-997 | Brake Shoe—High-Friction Tread Conditioning, High Capacity | 2008 | E | |
| M-402 | Brake Shoe, Cast Iron, High-Phosphorus Type | 2002 | E | |
| M-926 | Brake Shoe, High-Friction Composition or Metal Type | 2015 | E | |
| S-431 | Brake Shoe, High-Friction Composition Type—Limiting Contour | 2017 | E | |
| M-996 | Brake Shoe, Low-Friction Composition Type | 2015 | E | |
| S-430 | Brake Shoe, Metal, Reinforced | 2002 | E | |
| RP-599 | Brake Shoes—High-Friction Composition Type for Locomotives | 2001 | M | |
| RP-5596 | Brake Shoes—Metal Type | 2001 | M | |
| S-4005 | Brake Systems, Truck-Mounted—Performance Testing | 2002 | E | |
| RP-509 | Braking Ratios for Locomotives | 2001 | M | |
| S-100 | Bushings, Seamless Steel Tube—Coupler Shanks and Yokes | 2010 | B | |
| S-5598 | Calibration Procedure for AFM Type Air Flow Indicators | 2007 | M | |
| S-703 | Cap Screws for Journal Roller Bearing Assemblies | 2021 | H | |
| S-2034 | Car Builder Certification | 2019 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-899 | Car Owner's Manual for the Inspection and Maintenance of Double-Stack Container Cars | 2018 | I | |
| S-2008 | Card Holder—Bad Order | 2013 | C | |
| M-220 | Casting Component Nondestructive Testing Requirements | 2022 | S | Update Available |
| M-201 | Castings, Steel | 2018 | S | |
| S-307 | Center Bowl Horizontal Wear Liner | 2017 | D | |
| M-979 | Center Bowl Liner—Requirements for Approval | 2019 | D | |
| S-306 | Center Bowl Vertical Wear Liner | 2017 | D | |
| S-308 | Center Bowl Wear Liner Application | 2012 | D | |
| S-265 | Center Pin—Freight Car | 1989 | C | |
| S-267 | Center Sill Section—Welding Notes | 1979 | C | |
| S-266 | Center Sill Section, Rolled Steel | 2012 | C | |
| S-9375 | Centralized Traffic Control (CTC) over Interoperable Train Control Management (ITCM)—Interface Control Document | 2018 | K-IV | Update Available |
| M-1002 AppB | Certification of Tank Car Facilities | 2022 | C-III | Update Available |
| S-612 | Circumference Measure (Tape) for 27 in. to 38 in. Steel Wheels | 2004 | G | |
| S-613 | Circumference Measure (Tape) for 38 in. to 52 in. Steel Wheels | 2004 | G | |
| S-9355 | Class C Messaging | 2010 | K-IV | |
| S-9356 | Class D Messaging | 2018 | K-IV | Update Available |
| S-2054 | Clearance Diagram—Interface Between a Well Car and a Container Equipped with a Refrigerator/ Heater Unit | 2016 | C | |
| S-2056 | Clearance Plate Diagrams for Interchange Service | 2020 | C | |
| S-9553C | Cluster Controller | 2002 | K-VI | |
| S-486 | Code of Air Brake System Tests for Freight Equipment—Single Car Test | 2018 | E | |
| RP-512 | Color Code for Identifying Fluids on Locomotive | 2001 | M | |
| S-5020 | Color Code for Identifying Fluids on Locomotive | 2015 | M | |
| S-255 | Combined Striker and Front Draft Lug Tolerances | 1974 | C | |
| S-627 | Combined Wheel Gauge | 1998 | G | |
| S-628 | Combined Wheel Gauge | 1998 | G | |
| S-9153 | Common Air Interface (CAI-12) Communications FOR Remote Control Locomotive Systems (RCL) Operating AT 220 Mhz | 2012 | K-II | |
| S-9553 | Communications System Architecture | 2002 | K-VI | |

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|---|---|---|---|---|
| S-702 | Component Parts for Journal Roller Bearing Assemblies | 1998 | H | |
| S-4009 | Compression Slack Adjusters and Piston Travel Adjustment—Inspection, Testing, Removal, and Application | 2009 | E | |
| M-970 | Condition-Based Certification of Multi-Level Auto Rack Cars | 2022 | N | Update Available |
| S-051 | Conditions Governing Withdrawal of AAR Approval of Freight Car and Locomotive Components and Products | 2000 | AS | |
| S-810 | Field Impact and Over-the-Road Tests of Multi-Level Tie-down Equipment and/or Methods | 2021 | N | Update Available |
| S-2053 | Container Interface—Well Car, 53 ft | 2009 | C | |
| M-930 | Containers for Domestic Intermodal Service | 2019 | I | Update Available |
| S-468 | Control Valve Pipe Bracket | 2009 | E | |
| S-462 | Control Valve—Approval Procedure | 2019 | E | Update Available |
| S-477 | Control Valve—Shop Certification Requirements for Approved Valves | 2002 | E | |
| S-467 | Control Valve, Freight Brake—Environmental Tests | 2002 | E | |
| S-131 | Coupler (Rotary), Type E60, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel | 2016 | S-III | |
| S-133 | Coupler (Rotary), Type F70, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel | 2016 | S-III | |
| S-134 | Coupler (Rotary), Types E60, E67, and F70, Operating Rod for Use with Standard Draft Gear or End-of-Car Cushioning up to 15-in. Total Travel | 2016 | S-III | |
| S-269 | Coupler Carrier Wear Plate | 2003 | B | |
| M-932 | Coupler Centering Device Specification | 2003 | S-III | |
| S-117 | Coupler Contour, F Type, Interlocking | 2003 | S-III | |
| S-137 | Coupler Shank Wear Plates and Application | 2000 | S-III | |
| S-130 | Coupler, E Type, Articulated Rotor Lever Assembly | 2003 | S-III | |
| S-105 | Coupler, E Type, Detail Parts | 2021 | S-III | Update Available |
| S-173 | Coupler, E Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions | 2003 | S-III | |
| S-106 | Coupler, E Type, No. 10-A Contour and Detail of Pivot Pin Hole | 2003 | S-III | |
| S-163 | Coupler, E Type, SBE60DE and SBE60EE, Bottom Shelf | 2020 | S-III | |

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|---|---|---|---|---|
| S-164 | Coupler, E Type, SBE67CE and SBE67DE, Bottom Shelf | 2020 | S-III | |
| S-154 | Coupler, E Type, SE67CE and SE67DE, Top and Bottom Shelf | 2020 | S-III | |
| S-102 | Coupler, E Type, Standard and Alternate Standard, E60DE and E60EE | 2020 | S-III | |
| S-107 | Coupler, E Type, Standard and Alternate Standard, E67CE and E67DE | 2020 | S-III | |
| S-103 | Coupler, E Type, Top and Bottom Shelf, Standard and Alternate Standard, SE60DE and SE60EE | 2020 | S-III | |
| S-165 | Coupler, E/F Type, SBE68CE and SBE68DE, Bottom Shelf | 2020 | S-III | |
| S-170 | Coupler, E/F Type, SBE69BE and SBE69CE, Bottom Shelf | 2020 | S-III | |
| S-155 | Coupler, E/F Type, SE68CE and SE68DE, Top and Bottom Shelf | 2020 | S-III | |
| S-172 | Coupler, E/F Type, SE69BE and SE69CE, Top and Bottom Shelf | 2020 | S-III | |
| S-108 | Coupler, E/F Type, Standard and Alternate Standard, E68CE and E68DE | 2020 | S-III | |
| S-109 | Coupler, E/F Type, Standard and Alternate Standard, E69BE and E69CE | 2020 | S-III | |
| S-174 | Coupler, F Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions | 2003 | S-III | |
| S-116 | Coupler, F Type, Interlocking, Coupler and Yoke Parts | 2003 | S-III | |
| S-110 | Coupler, F Type, Standard F Coupler, F70DE | 2009 | S-III | |
| S-112 | Coupler, F Type, Standard, F73BE | 2003 | S-III | |
| S-114 | Coupler, F Type, Standard, F79DE | 2003 | S-III | |
| S-111 | Coupler, F Type, with Top Shelf, Standard, SF70DE | 2003 | S-III | |
| S-115 | Coupler, F Type, with Top Shelf, Standard, SF79DE | 2003 | S-III | |
| S-203 | Coupler, Height Adjustment | 1962 | C | |
| M-212 | Couplers and Yokes, Secondhand—Classification and Reconditioning Procedure | 2016 | S | |
| S-129 | Couplers—Arrangement of Operating Mechanisms | 2000 | S-III | |
| M-215 | Coupling Systems | 2018 | S | |
| RP-5115 | Cushion Pad—Locomotive Cab Door Frame | 2001 | M | |
| RP-110 | Cushioning Device Inspection | 2003 | B | |
| M-921E | Cushioning Devices, Active Draft End | 2020 | B | Update Available |

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| M-921F | Cushioning Devices, Active Draft End of Car | 2020 | B | Update Available |
| M-921B | Cushioning Devices, End-of-Car | 2020 | B | Update Available |
| M-921D | Cushioning Devices, End-of-Car—Motor-Vehicle-Carrying | 2020 | B | Update Available |
| M-921C | Cushioning Devices, Reconditioned—Approved for Freight Service | 2020 | B | Update Available |
| M-921A | Cushioning Devices, Sliding Sill | 2018 | B | |
| S-181 | Cushioning Pocket Identification Guide—AAR Rule 59 | 2003 | B | |
| S-9010 | Data Protection | 2019 | K-I | Update Available |
| S-6020 | Data Summary Definition—Line-of-Road Failure | 2019 | F | |
| S-6021 | Data Summary Definition—Line-of-Road Failure—Air Hose Separation | 2016 | F | |
| S-6023 | Data Summary Definition—Line-of-Road Failure—Brake System/Other | 2016 | F | |
| S-6022 | Data Summary Definition—Line-of-Road Failure—Train Separation | 2016 | F | |
| S-6002 | Data Summary Definitions | 2021 | F | Update Available |
| S-6009 | Data Summary—Automatic Equipment Identification (AEI) | 2021 | F | Update Available |
| S-6007 | Data Summary—Brake Health Car | 2015 | F | |
| S-6006 | Data Summary—Brake Health Truck | 2021 | F | Update Available |
| S-6005 | Data Summary—RailBAM® | 2021 | F | Update Available |
| S-6008 | Data Summary—Salient Wheel Impact | 2021 | F | Update Available |
| S-6004 | Data Summary—TADS® | 2021 | F | Update Available |
| S-6003 | Data Summary—Truck Hunting | 2021 | F | Update Available |
| S-6010 | Data Summary—Wheel Profile Detector (WPD) | 2019 | F | |
| S-4046 | Date Markings for Rubberized Components | 2016 | E | |
| RP-206 | Decking, Wood—for Open Top Cars | 1981 | C | |
| S-046 | Definitions of Terms for the AAR *Manual of Standards and Recommended Practices* | 2015 | AS | Update Available |
| RP-308 | Design Dimensions for Brake Hanger Bracket | 1937 | E | |
| M-1001 | Design, Fabrication, and Construction of Freight Cars | 2020 | C-II | Update Available |
| M-992 | Designated Satellite Shop Repair Specifications for Multi-Level Autorack Cars | 2019 | N | |
| RP-514 | Designation of Sides and Ends of Locomotives | 2001 | M | |
| RP-817 | Destination Inspections | 1994 | N | |
| S-6101 | Detector Calibration and Validation Requirements | 2022 | F | Update Available |

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| RP-5132 | Diesel Locomotive Control Stand for New Locomotives | 2001 | M | |
| S-493 | Dirt Collector and Cutout Cock—Test Specification | 2002 | E | |
| S-489 | Dirt Collector and Cutout Cock, Combined—Repair Specification | 1981 | E | |
| S-252 | Door Air Lines—Location of End Cocks | 1978 | C | |
| RP-5117 | Door Closure Bar—Locomotive Cab | 2001 | M | |
| S-249 | Door Puller Bracket, Application to Intermediate Post | 1978 | C | |
| S-229 | DOT Placard Location | 2013 | C | |
| RP-851 | Double-Stack Container Cars | 2004 | I | |
| S-243 | Draft Arrangement, E68 Coupler, 24 5/8-in. Pocket | 1983 | C | |
| S-244 | Draft Arrangement, E69 Coupler, 24 5/8-in. Pocket | 1983 | C | |
| S-245 | Draft Arrangement, F70 Coupler, 24 5/8-in. Pocket—Striker Applied by Welding | 1978 | C | |
| S-247 | Draft Arrangement, F79 Coupler, 24 5/8-in. Pocket | 1978 | C | |
| S-119 | Draft Gear Follower, Y44A | 2012 | B | |
| RP-101 | Draft Gear Inspection | 2011 | B | |
| M-901F | Draft Gear Reaction Forces, Measuring and Recording, Instrumentation Requirements | 2003 | B | |
| M-901K | Draft Gear, All-Hydraulic, Rated by Impact Testing | 2015 | B | |
| M-901G | Draft Gear, Rated by Impact Testing | 2015 | B | |
| M-901B | Draft Gear, Secondhand and Reconditioned | 2015 | B | |
| M-901E | Draft Gears with a Minimum Capacity of 36,000 ft·lb at a Reaction of 500,000 lb | 2015 | B | |
| S-121 | Draft Key | 2017 | B | |
| S-120 | Draft Key Retainers, Locks, Keepers, and Washer | 2011 | B | |
| S-254 | Draft Pocket Tolerances | 1974 | C | |
| S-5018 | Dynamic Braking Control | 2020 | M | |
| S-4260 | ECP Brake and Wire Distributed Power Interoperability Test Procedures | 2008 | E-II | |
| S-4240 | ECP Brake Equipment—Approval Procedure | 2007 | E-II | |
| S-4270 | ECP BRake System Configuration Management | 2008 | E-II | |
| S-4220 | ECP Cable-Based Brake DC Power Supply—Performance Specification | 2002 | E-II | |
| S-4210 | ECP Cable-Based Brake System Cable, Connectors, and Junction Boxes—Performance Specification | 2014 | E-II | |
| S-9354 | Edge Message Protocol | 2018 | K-IV | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9376 | Edge Message Protocol (EMP) Subscribe Message Interface Control Document (ICD) | 2016 | K-IV | Update Available |
| M-967 | Electrochemical Metal Deposition for Repairing Roller Bearing Axle Journals | 2008 | G | |
| RP-940 | Electronic Distribution Format For Engineering Drawings | 2005 | C | |
| S-4200 | Electronically Controlled Pneumatic (ECP) Cable-Based Brake Systems—Performance Requirements | 2014 | E-II | |
| S-4002 | Empty/Load Devices—Performance Testing | 2005 | E | |
| S-488 | End Cock and Air Brake Hose Location on Long Cars | 2002 | E | |
| S-472 | End Cock Location on Cars Arranged for Rotary Dump Service | 2002 | E | |
| M-941 | End Enclosure for Fully Enclosed Multi-Level Auto Rack Cars | 1998 | N | |
| S-440 | End Hose Gaskets, Couplings, and Nipples—Annual Test Requirements | 1999 | E | |
| S-9152 | End-of-Train Communications | 2016 | K-II | Update Available |
| M-921G | Facility Inspection Requirements for Manufacturers of New and Reconditioned Cushioning Devices for Freight Service | 2003 | B | |
| S-9074 | Federated Network Requirements | 2020 | K-I | Update Available |
| S-101 | Field Service Experience—Reporting Requirements | 2003 | B | |
| S-492 | Field Service Reports—Requirements | 2002 | E | |
| S-010 | Field Test Requirements for Materials, Devices, and Products Manufactured to AAR Specifications but Having No Previous Service Experience on AAR Member Roads | | AS | |
| RP-633 | Figures | 2022 | G-II | Update Available |
| M-908 | Flat Steel Floor for Freight Cars 50,000, 60,000, 70,000 or 80,000 lb Capacities | 2006 | C | |
| RP-5120 | Flexible Hinge Guard on Locomotive Cab Door | 2001 | M | |
| M-964 | Floor, Nailable Steel—Freight Cars 50,000-, 60,000-, 70,000- or 80,000-lb Capacities | 2006 | C | |
| M-127 | Forgings, Alloy Steel | 1964 | S | |
| M-126 | Forgings, Carbon Steel | 1968 | S | |
| M-105 | Forgings, Carbon Steel Blooms, Billets, and Slabs | 1964 | S | |
| RP-830 | Form Preparation for Vehicle Inspection | 2014 | N | |
| M-211 | Foundry and Product Approval Requirements for the Manufacture of Couplers, Coupler Yokes, Knuckles, Follower Blocks, and Coupler Parts | 2022 | S | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-286 | Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars | 2016 | C | |
| M-934 | Freight Car Journal Roller Bearings | 2021 | H | |
| S-3014 | Freight Car Truck Springs—with Snubber Spring | 2010 | D | |
| S-3015 | Freight Car Truck Springs—without Snubber Spring | 2010 | D | |
| M-980 | Friction Wedge Performance for Railcars—Dynamic Wear Test | 2018 | D | |
| S-9553B | Front End Processor | 2002 | K-VI | |
| S-5025 | Gaseous Supply Hose Unit for Fuel Tenders | 2017 | T | Update Available |
| M-602 | Gaskets, Air Hose | 2002 | E | |
| RP-613 | Gauge, Axle—Master Gauge for Verifying Axle Journal and Fillet Gauge S-614 | 2004 | G | |
| RP-637 | Gauge, Wheel—Application Drawing for AAR 1B Wheel Gauges S-661 and S-665 | 1991 | G | |
| RP-636 | Gauge, Wheel—Application Drawing for AAR 1B Wheel Gauges S-662 and S-667 | 1991 | G | |
| RP-638 | Gauge, Wheel—Application Drawing for Reference Gauge to Verify Wheel Gauges S-661, S-662, S-663, S-664, S-665, S-666, S-667, and S-668 | 1991 | G | |
| RP-630 | Gauge, Wheel—Application for Measuring Condemnable Overheated Wheels | 2004 | G | |
| RP-629 | Gauge, Wheel—for Measuring Condemnable Overheated Wheels | 2004 | G | |
| S-618 | Gauge, Wheel—Former Standard 1976 | 1976 | G | |
| S-617 | Gauge, Wheel—Former Standard 1980 | 1980 | G | |
| RP-614 | Gauge, Wheel—Master Gauge for Verifying Wheel Gauges S-617 and S-618 | 2004 | G | |
| S-661 | Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel | 1991 | G | |
| S-665 | Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels | 1991 | G | |
| S-662 | Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel | 1991 | G | |
| S-667 | Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels | 1991 | G | |
| S-663 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Narrow Flange Wheel Gauge S-661 | 1991 | G | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-664 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Narrow Flange Wheel Gauge S-662 | 1991 | G | |
| S-666 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Wide Flange Wheel Gauge S-665 | 1991 | G | |
| S-668 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Wide Flange Wheel Gauge S-667 | 1991 | G | |
| RP-608 | Gauge, Wheel—Reference Master Disk for Verifying Wheel Circumference Gauges S-612 and S-613 | 2004 | G | |
| RP-615 | Gauge, Wheel—Simplified | 2004 | G | |
| S-360 | Gauges for End of Hangerless-Type Brake Beam | 1979 | E | |
| RP-634 | Gauges—Wheel and Axle Shop | 2022 | G-II | Update Available |
| RP-632 | General Requirements and Information | 2022 | G-II | Update Available |
| S-359 | Go and No-Go Gauge for Brake Head for Limiting Contour of Face, Metal or High-Friction Shoe | 1990 | E | |
| S-358 | Go Gauge for Brake Head, Metal or High-Friction Shoe | 2009 | E | |
| S-361 | Go Gauges for Brake Shoe | 1944 | E | |
| S-233 | Gravity Outlet Gates, New—for Covered Hopper Cars | 2014 | C | |
| M-929 | Grease for Lubrication of Trailer Hitches on Flatcars | 2004 | I | |
| S-475 | Hand Brakes | 2019 | E | Update Available |
| S-224 | Handholds, Safety Railings, and Ladder Treads | 2015 | C | |
| RP-2018 | Handholds, Steps, and Ladders for Interior Access | 2019 | C | |
| RP-812 | Handling and Inspection of Multi-Level Cars and Equipment After Loading | 1994 | N | |
| RP-810 | Handling and Inspection of Vehicles Before Loading | 2013 | N | |
| RP-818 | Handling of Multi-Level Cars and Equipment Afier Unloading | 1997 | N | |
| RP-813 | Handling of Multi-Level Cars in Trains and Yards | 1994 | N | |
| S-380 | Hangerless Brake Beam Extension Functional Gauge (Parallelism) | 1979 | E | |
| S-5026 | Heat Exchange Fluid Hose Unit for Fuel Tenders | 2017 | T | Update Available |
| M-114 | Helical Springs, Heat-Treated Steel | 2008 | D | |
| M-928 | Highway Trailer Hitches for Freight Cars | 2018 | I | |
| M-928A | Highway Trailer Hitches for Freight Cars with 90,000-lb Maximum Gross Vehicle Weight Capacity | 2018 | I | |
| RP-233 | Hold-Down Clips—Gondolas, Side Sheet Mounted | 1948 | C | |
| RP-234 | Hold-Down Clips—Gondolas, Top Cord Mounted | 1982 | C | |
| RP-5599 | Hook and Eye Brake Rigging—Lever Angularity Inspection | 2007 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-2025 | Hopper Car—End for Door Operating Shaft | 1914 | C | |
| RP-258 | Hopper Car—Grain Service | 1992 | C | |
| M-800 | Hopper Car, Covered—For Transport of Oxidizing Commodities | 2012 | C | |
| M-801 | Hopper Car, Covered—Pressurized During Unloading and In-Transit | 2012 | C | |
| RP-200 | Hopper Car, Open Top, in Shaker Service—Design Features | 1976 | C | |
| S-458 | Hose Assemblies—Reclamation Procedures | 2002 | E | |
| M-923 | Hose Cement | 1983 | E | |
| S-439 | Hose Clamps | 2002 | E | |
| S-491 | Hose Coupling | 2005 | E | |
| S-455 | Hose Coupling Condemning Gauges for Checking the Beads and Shanks on New and Used Hose Couplings and Nipples | 2002 | E | |
| S-447 | Hose Coupling Gasket Gauge | 2002 | E | |
| S-456 | Hose Coupling Gauges for Gauging New and Used Couplings | 2002 | E | |
| S-457 | Hose Coupling Tester, Air Brake, Type A-1-B—Modification to Permit Testing of Pinless-Type Couplings | 2002 | E | |
| S-436 | Hose Coupling, Dummy | 2002 | E | |
| M-927 | Hose Fittings and Hose Assemblies, Air, Wire-Reinforced | 2007 | E | |
| S-432 | Hose Support, S Hook | 2002 | E | |
| S-4006 | Hose Supports—Performance Testing | 2008 | E | |
| M-620 | Hose, Air, Fabric-Reinforced | 2011 | E | |
| M-618 | Hose, Air, Wire-Reinforced | 2011 | E | |
| S-438 | Hose, Armored Type—Mounting Procedure | 1949 | E | |
| S-437 | Hose, Other than Armored Type—Mounting Procedure | 2002 | E | |
| M-601 | Hose, Wrapped, Air—Brake, “End Hose” | 2006 | E | |
| S-9070 | I-ETMS Human Machine Interface Standard | 2012 | K-I | |
| S-9364 | I-ETMS® Onboard Segment Data Distribution Messages Interface Control Document (ICD) | 2017 | K-IV | Update Available |
| S-217 | Identification Plate—Boxcar Doors | 2009 | C | |
| S-158 | Immobilization of Freightmaster | 2003 | B | |
| S-161 | Immobilization of Freightmaster 10-in. Type E Miner M-12S | 2003 | B | |
| S-157 | Immobilization of Freightmaster Types F, FS, and B | 2003 | B | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-159 | Immobilization of Freightmaster Types HD and AR-F | 2003 | B | |
| S-156 | Immobilization of Freightmaster Types SP-E and SP-C | 2003 | B | |
| S-162 | Immobilization of Keystone F Shank | 2003 | B | |
| S-160 | Immobilization of Keystone Type E Miner SR-12 | 2003 | B | |
| S-171 | Immobilization of Pullman Standard, ACF, or Keystone Center-of-Car Cushioning Devices ("Dummy Cylinder Method") | 2003 | B | |
| S-125 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective ACF Freight Saver 20- or 30-in. Travel Units—Plate No. 526-1 | 2003 | B | |
| S-127 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Cushion 10-, 12-, or 20-in. Travel Units or Evans Cushion Pak Wide Tunnel Units—Plate No. 526-3 | 2003 | B | |
| S-128 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Pullman Standard Hydroframe 40 and 60 Units or National 3C Wide Tunnel Units—Plate No. 526-4 | 2003 | B | |
| S-126 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Keystone 20-in. Travel Unit, Santa Fe Shock Control, A.O. Smith Cushion Ride, and Rockwell Cargo Cushion—Plate No. 526-2 | 2003 | B | |
| S-6031 | Inoperative Brake Indications as Determined by Wayside Detector | 2016 | F | |
| S-732 | Inspection and Lubrication of Trailer Hitches on Flatcars | 2016 | I | |
| RP-814 | Inspection of Multi-Levels and Vehicles En Route | 1994 | N | |
| RP-609 | Inspection Stand for Use with Master Disks | 2004 | G | |
| S-9202A | Integrated Wayside Messaging Server Hardware Requirements | 2011 | K-III | |
| M-934D | Interchangeable Backing Rings for Freight Car Tapered-Roller Journal Bearings | 2007 | H | |
| M-934C | Interchangeable End Caps for Freight Car Tapered-Roller Journal Bearings | 2018 | H | |
| M-934B | Interchangeable Seal Wear Rings for Freight Car Tapered-Roller Journal Bearings | 2011 | H | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-934A | Interchangeable Spacers for Freight Car Tapered-Roller Journal Bearings | 2011 | H | |
| M-1002 AppL | Interior Cleaning, Lining, and Coating | 2019 | C-III | Update Available |
| M-998 | Intermodal Container Support and Interbox Connector (IBC) Securement Systems for Freight Cars | 2019 | I | Update Available |
| M-952 | Intermodal Container Support and Securement System for Freight Cars | 2008 | I | |
| RP-852 | Intermodal Equipment Cars | 2003 | I | |
| M-933 | Intermodal Trailer and Container Securement | 2018 | I | |
| RP-2001 | Interoperability Requirements—Movement of Passenger Equipment on Freight Railroads | 2019 | M | |
| RP-2002 | Interoperability Requirements—Operation of Regularly Scheduled Revenue Passenger Service | 2019 | M | |
| S-9382.V1 | Interoperable Asset Access Service | 2022 | K-IV | Update Available |
| S-9359 | Interoperable Certificate Revocation Responder Service | 2019 | K-IV | Update Available |
| S-9503 | Interoperable Electronic Train Management System® (I-ETMS) Subdivision File | 2015 | K-VI | Update Available |
| S-9558.V1.0 | Interoperable IP Network Address Allocations | 2021 | K-VI | Update Available |
| RP-9511 | Interoperable Train Control (ITC) Onboard Track Database Field Survey and Validation | 2019 | K-VI | Update Available |
| S-9557 | Interoperable Train Control (ITC) Radio Identification Format | 2015 | K-VI | Update Available |
| S-9362 | Interoperable Train Control (ITC) Wayside-Locomotive Interface Control Document (ICD) | 2014 | K-IV | |
| S-9378.V1.0 | Interoperable Train Control Ticket Management (ITCTM) Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9058 | Interoperable Train Control Ticket Management (ITCTM) Requirements and Use Cases | 2021 | K-I | Update Available |
| S-9202 | Interoperable Train Control Wayside Interface Unit Requirements | 2012 | K-III | |
| M-9154B | Intra-Consist Communications (ICC) Layer 2 | 2015 | K-II | Update Available |
| M-9154A | Intra-Consist Communications (ICC) Routing Functionality | 2013 | K-II | |
| S-4230 | Intratrain Communication Specification for Cable-Based Freight Train Control Systems | 2014 | E-II | |
| M-1002 Ch1 | Introductions, Approvals, and Reports | 2022 | C-III | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9075 | ISMP Design Considerations | 2022 | K-I | Update Available |
| S-9454 | ITC System Management (ITCSM) Back Office Requirements for Interoperable Train Control | 2014 | K-V | |
| S-9001 | ITC System Reference Architecture | 2012 | K-I | |
| S-9076 | ITC Systems Management Interoperable Gateway Requirements | 2021 | K-I | Update Available |
| S-9363 | ITC Time and Location—Interface Control Document (ICD) | 2012 | K-IV | |
| M-9453 | ITCSM Asset User Interface Requirements for Interoperable Train Control | 2014 | K-V | |
| S-9452 | ITCSM Common Data Dictionary for Interoperable Train Control | 2018 | K-V | Update Available |
| S-9451 | ITCSM Common Systems Management Requirements | 2014 | K-V | |
| S-9460 | ITCSM Interface Control Document for Interoperable Train | 2018 | K-V | Update Available |
| S-9451A.V1 | ITCSM WIU Asset-Specific Requirements for Interoperable Train Control | 2012 | K-V | |
| S-9451A.V2 | ITCSM WIU Asset-Specific Requirements for Interoperable Train Control | 2021 | K-V | Update Available |
| S-9452A.V1 | ITCSM WIU Asset-Specific Data Dictionary for Interoperable Train Control | 2012 | K-V | |
| S-9452A.V2 | ITCSM WIU Asset-specific Data Dictionary for Interoperable Train Control | 2021 | K-V | Update Available |
| M-924 | Journal Roller Bearing Adapters for Freight Cars | 2018 | H | |
| M-942 | Journal Roller Bearing Grease | 2020 | H | |
| M-216 | Knuckles, Types E and F—Fatigue Test | 2016 | S | |
| RP-232 | Ladder, End and Side—Configuration | 1981 | C | |
| S-230 | Lading Strap Anchor Arrangement and Use—for Flatcars | 1973 | C | |
| RP-590 | Lead-Acid Batteries and Compartments | 2001 | M | |
| S-5515 | LED Lighting for Locomotives | 2017 | M | |
| S-5516 | LED Headlights and Auxiliary Lighting for Locomotives | 2020 | M | |
| S-910 | Marking of Freight Cars | 2022 | C | Update Available |
| S-234 | Lifting Freight Cars | 1982 | C | |
| S-616 | Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-629 | Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 1998 | G | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-370 | Limiting Contour of Face of Brake Heads for Hanger-Type Brake Beams | 2009 | E | |
| S-371 | Limiting Contour of Face of Brake Heads for Hangerless-Type Brake Beams | 2009 | E | |
| RP-811 | Loading of Vehicles | 2015 | N | |
| S-373 | Location of Peep Hole on Cars Having Deep Side Sills for Checking Brake Cylinder Piston Travel | 1967 | D | |
| S-701 | Locking Plate for Journal Roller Bearing Assemblies | 1997 | H | |
| S-701A | Locking Plate for Journal Roller Bearing Assemblies | 2012 | H | |
| S-5513 | Locomotive Alerter Requirements | 2021 | M | Update Available |
| S-5520 | Locomotive Cab Securement | 2014 | M | |
| S-5101 | Locomotive Cab Window Glazing Material | 2002 | M | |
| M-9155.V1 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2014 | K-II | |
| M-9155.V2 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2015 | K-II | Update Available |
| M-9155. V2.1 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2015 | K-II | Update Available |
| M-9155. V2.2 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2016 | K-II | Update Available |
| M-9155. V2.3 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2018 | K-II | Update Available |
| M-9155. V2.4 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2019 | K-II | Update Available |
| M-9155. V2.4.1 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2021 | K-II | Update Available |
| M-9155. V2.5 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2021 | K-II | Update Available |
| S-580 | Locomotive Crashworthiness Requirements | 2020 | M | |
| S-9101G | Locomotive Data Acquisition and Recording System (LDARS)—Common File Format Standard | 2018 | K-II | Update Available |
| S-9101C | Locomotive Data Acquisition and Recording System (LDARS)—Event Data Acquisition Processor | 2018 | K-II | Update Available |
| S-9101B | Locomotive Data Acquisition and Recording System Architecture | 2011 | K-II | |
| S-5019 | Locomotive Definitions | 2019 | M | |
| RP-503 | Locomotive Diesel Fuel Additives and Fuel Savings Devices—Evaluation Procedure | 2016 | M | |
| S-5509 | Locomotive Dynamic Brake Status Reporting | 2018 | M | |
| M-1005 | Locomotive Electronics Safety Assessments and Analyses | 2018 | M | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9101 | Locomotive Electronics System Architecture | 2019 | K-II | Update Available |
| S-5512 | Locomotive Event Recorder Download Standard (RETIRED 02/22/2021) | 2021 | M | Update Available |
| RP-5503 | Locomotive Fueling Interface | 2001 | M | |
| S-5530 | Locomotive Headlight Control | 2018 | M | |
| RP-5122 | Locomotive Horn Valve Handle with Soft, Resilient-Type Rubber Cover | 2001 | M | |
| S-5500 | Locomotive Interchange Agreement | 2007 | M | |
| S-9365 | Locomotive Interface Gateway (LIG) to Positive Train Control (PTC) Interface Control Document (ICD) | 2019 | K-IV | Update Available |
| S-5514 | Locomotive Operator Control Symbols | 2011 | M | |
| RP-548 | Locomotive Rating Train/Track Resistance | 2001 | M | |
| S-9101E | Locomotive System Integration Communications | 2016 | K-II | Update Available |
| S-591 | Locomotive System Integration Operating Display | 2020 | M | |
| M-959 | Lubrication Seals for Freight Car Journal Roller Bearings | 2019 | H | |
| S-6200 | Machine Vision Detector | 2021 | F | Update Available |
| RP-5595 | Main Reservoir Equalizing End Hose Coupling | 2001 | M | |
| S-659 | Mandatory Rules Governing Wheel Shop Practices as Required by Interchange Rules | 2022 | G-II | Update Available |
| RP-804 | Measurement Requirements for Remote Ride Quality Monitoring | 1996 | N | |
| M-993 | Mechanical Certification of Flatcars for Autorack Service | 1996 | N | |
| RP-546 | Minimum Requirements for Main Reservoir System on New and Rebuilt Diesel-Electric, Electric, and Gas Turbine Locomotives of 800-hp Capacity and Greater | 2001 | M | |
| S-9553A | Mobile Communications Package | 2002 | K-VI | |
| RP-612 | Mounting Pressures for Wrought and Cast Steel Wheels on Gear-Driven and Idler Axles of Locomotives Other than Steam | 2004 | G | |
| S-5529 | Multiple Unit Pneumatic Brake Equipment for Locomotives | 2008 | M | |
| S-9357 | Mutually Authenticated Key Exchange | 2019 | K-IV | Update Available |
| S-362 | No-Go Gauge for Brake Shoe | 1944 | E | |
| M-971 | Non-Grease Lubricant for Autorack Equipment | 2002 | N | |
| M-912 | Oil, Control Valve | 2002 | E | |
| S-132 | Operating Mechanism, Type No. 6, Interlocking | 2003 | S-III | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-5124 | Padded Sun Visor in Locomotive Cab—Engineer's Side Only | 2001 | M | |
| S-4045 | Passenger Equipment Maintenance Requirements (formerly S-045) | 2013 | E | |
| M-1006 | Passenger Equipment Performance Specification | 2019 | M | |
| S-3008 | Performance of Devices or Designs to Control Yaw Dynamics in Freight Car Trucks | 1997 | D | |
| S-5506 | Performance Requirements for Diesel Electric Locomotive Fuel Tanks | 2001 | M | |
| S-4250 | Performance Requirements for ITC-Controlled Cable-Based Distributed Power Systems | 2014 | E-II | |
| RP-905 | Performance Requirements for Refrigerated Boxcar Fuel Tanks | 2006 | C | |
| S-469 | Performance Specification for Freight Brakes | 2006 | E | |
| S-2042 | Performance Specification for Sill Steps | 2017 | C | |
| S-2043 | Performance Specification for Trains Used to Carry High-Level Radioactive Material | 2017 | C | |
| M-118 | Pin, Coupler Knuckle Pivot and Coupler Shank Connecting, Steel | 2018 | B | |
| S-4022 | Pipe, Other than Schedule 80 Iron (RETIRED 04/16/2020) | 2006 | E | Update Available |
| S-184 | Pocket Tolerances—EOC-10 | 2011 | B | |
| S-182 | Pocket Tolerances—EOC-8 | 2011 | B | |
| S-183 | Pocket Tolerances—EOC-9 | 2011 | B | |
| M-951 | Portable Bridge Plates for Multi-Level Autorack Cars | 2020 | N | Update Available |
| S-9081.V1.1 | Positive Train Control (PTC) – Interoperable Train Control (ITC) – Electronic Data Interchange (EDI) Rules Governing the Use of EDI 161, EDI 824 & EDI 418J | 2021 | K-I | Update Available |
| S-9081.V1.2 | Positive Train Control (PTC) – Interoperable Train Control (ITC) – Electronic Data Interchange (EDI) Rules Governing the Use of EDI 161, EDI 824 & EDI 418J | 2021 | K-I | Update Available |
| S-9501 | Positive Train Control Data Model Definition | 2018 | K-VI | Update Available |
| S-9080 | Positive Train Control Interoperability Committee Policy | 2020 | K-I | Update Available |
| RP-9457.V1 | Positive Train Control Interoperable Electronic Train Management System (I-ETMS) Master Test Strategy (MTS) | 2012 | K-V | |
| RP-9457.V2 | Interoperable Train Control / Positive Train Control Master Test Strategy (MTS) | 2021 | K-V | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9055 | Positive Train Control ITC Communications Segment Requirements—Level 1 | 2013 | K-I | |
| S-9053 | Positive Train Control ITC System Requirements–Level 0 | 2018 | K-I | Update Available |
| S-9054 | Positive Train Control ITC System Requirements–Level 1 | 2018 | K-I | Update Available |
| S-9057 | Positive Train Control ITC Systems Management Requirements—Level 1 | 2012 | K-I | |
| S-9056 | Positive Train Control ITC Wayside System Requirements—Level 1 | 2012 | K-I | |
| S-9361 V3.0 | Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD) | 2020 | K-IV | Update Available |
| S-9361 V3.1 | Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-4047 | Positive Train Control—Locomotive Air Brake Interface Requirements | 2017 | E | |
| S-9103 | Precision Navigation Module Interface Control Document (ICD) | 2021 | K-II | Update Available |
| S-050 | Procedures for Considering Proposals Regarding Revisions to the Manual of Standards and Recommended Practices | 2014 | AS | |
| S-9372.V1.0 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2014 | K-IV | Update Available |
| S-9372.V1.1 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2016 | K-IV | Update Available |
| S-9372.V2.0 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2018 | K-IV | Update Available |
| S-9371.V1.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2014 | K-IV | Update Available |
| S-9371.V2.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2018 | K-IV | Update Available |
| S-9371.V3.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9502.V1.0 | PTC Track Data Exchange | 2020 | K-VI | Update Available |
| S-9502.V1.1 | PTC Track Data Exchange | 2020 | K-VI | Update Available |
| S-2009 | Push Rod, Brake Cylinder | 1964 | E | |
| S-2038 | Rack Car, Multilevel, with or without Door or Roof, Enclosed—Safety Appliance Standards | 2017 | C | |
| S-259 | Rail Car, 286,000-lb Gross Weight | 1994 | C | |
| S-9552 | Railroad Communications Network | 2004 | K-VI | |
| S-9401 | Railroad Electronics Environmental Requirements | 2009 | K-V | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9353. V1.0 | Railroad Electronics Standards Committee (RESC) Data Dictionary | 2019 | K-IV | Update Available |
| S-9353. V1.1 | Railroad Electronics Standards Committee (RESC) Data Dictionary | 2021 | K-IV | Update Available |
| S-9002 | Railroad Electronics Standards Configuration Management | 2009 | K-I | |
| RP-815 | Railroad Police Protection | 1994 | N | |
| S-9555 | Railroad Use of IEEE 802.11 | 2015 | K-VI | Update Available |
| RP-589 | Rating for Specific Fuel Consumption of Diesel Electric Locomotives | 2022 | M | Update Available |
| RP-5126 | Recessed Windshield Wiper Valve, Train-Order Light Switch, and Flush-Mounted Train-Order Light | 2001 | M | |
| RP-631 | Recommended Wheel Shop Practices | 2022 | G-II | Update Available |
| M-300 | Reconditioned Brake Beams | 2012 | E | |
| S-619 | Reference Groove for Multiple-Wear Diesel Wheels | 2015 | G | |
| S-5507 | Remote Control Locomotives | 2002 | M | |
| S-2045 | Remote Monitoring Equipment, Installation | 2022 | C | Update Available |
| S-5531 | Remote Monitoring Equipment, Locomotive—Installation | 2019 | M | |
| M-1002 AppR | Repair, Alteration, and Conversion to Tank Car Tanks | 2019 | C-III | Update Available |
| S-9379 | Requirements for Using an ITC EMP Application Gateway | 2018 | K-IV | Update Available |
| M-956 | Requirements Governing Superstructures to Cars Equipped With Sliding Sill or End-of-Car Cushioning Devices | 1994 | N | |
| S-4007 | Reservoir, Combined Auxiliary and Emergency—Reclamation Procedure | 2002 | E | |
| S-494 | Reservoir, Steel Fabricated, Combined Auxiliary and Emergency | 2005 | E | |
| M-119 | Retaining Pin and Keeper for F-Type Cushion Yoke | 2009 | B | |
| S-445 | Retaining Valve—Location | 2002 | E | |
| S-446 | Retaining Valve, 1967-Type, Three-Position | 2002 | E | |
| M-1002 AppD | Retest and Qualification Requirements | 2021 | C-III | Update Available |
| S-916 | Retroreflective Comparator Panel Requirements | 2018 | C | |
| RP-803 | Ride Quality Performance Requirements for Motor Vehicle Shipments | 2014 | N | |
| S-727 | Roller Bearing Manual—Appendix A. Approved Materials | 2015 | G-II | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-724 | Roller Bearing Manual—Information on Amtrak Passenger Car Bearings | 2012 | H-II | |
| S-721 | Roller Bearing Manual—Mandatory Instructions and Practices | 2018 | H-II | |
| S-723 | Roller Bearing Manual—Mandatory Minimum Requirements for Roller Bearing Reconditioning Shops—Procedures—Tool Requirements Necessary to Make Roller Bearing Repairs for Interchange Use | 2021 | H-II | |
| S-725 | Roller Bearing Manual—Manufacture of Interchangeable Roller Bearing Components | 2018 | H-II | |
| S-726 | Roller Bearing Manual—Remanufacture of Roller Bearing Components | 2017 | H-II | |
| S-722 | Roller Bearing Manual—Rules Covering Requirements for Approval of Roller Bearing Shops to Recondition Roller Bearings for Interchange Service | 2012 | H-II | |
| RP-5127 | Rounded Cab Window Latch in Locomotive Cabs | 2001 | M | |
| RP-5128 | Rounding All Possible Exposed Convex Edges and Corners | 2001 | M | |
| S-4001 | Rubber Products—Performance | 2018 | E | |
| S-226 | Running Board, End Platform, and Brake Step—Design Approval | 2020 | C | |
| S-5030 | Safety Appliance Requirements for Enclosed Car Body-style Fuel Tenders | 2020 | T | Update Available |
| S-2044 | Safety Appliance Requirements for Freight Cars | 2020 | C | |
| S-5029 | Safety Appliance Requirements for Intermodal Car-style Fuel Tenders | 2020 | T | Update Available |
| S-5028 | Safety Appliance Requirements for Tank Car-style Fuel Tenders | 2020 | T | Update Available |
| S-219 | Safety Appliances for Bulkhead Flatcars, Including Pulpwood Cars and Center Beam Cars | 2017 | C | |
| S-220 | Safety Appliances for Special Service High-Side Gondolas with Fixed Ends | 2017 | C | |
| S-215 | Safety Hangers and Retainers—for Freight Car Doors | 1964 | C | |
| M-916 | Sand for Traction | 2017 | M | |
| S-394 | Side Bearing Pad for Two-Hole Application | 1997 | D | |
| S-235 | Side Bearing Wear Plate—Car Body | 2012 | C | |
| S-213 | Side Door and Door Frames, Boxcar—Plug Type | 2018 | C | |
| S-212 | Side Door, Boxcar—Sliding Type | 2012 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-210 | Side Frame and Bolsters, AAR Approved—Purchase and Acceptance | 2021 | S | |
| S-377 | Side Frame Keys for AAR Standard and Alternate Standard Pedestal-Type Side Frames | 1966 | D | |
| S-318 | Side Frame—Bolster Rotation Stop Lug | 1965 | S-II | |
| S-3003 | Side Frame—Column Friction Wear Plate, Application | 1983 | D | |
| S-320 | Side Frame—Column Wear Plate, Application | 1983 | D | |
| S-327 | Side Frame—Roof Repair | 2012 | S-II | |
| S-317 | Side Frame—Tolerances | 1981 | S-II | |
| S-319 | Side Frame—Wide Land Rotation Stop Lug Column | 1968 | S-II | |
| S-3012 | Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit | 1994 | S-II | |
| S-325 | Side Frame, Narrow Pedestal—Limiting Dimensions | 2009 | S-II | |
| S-329 | Side Frame, Narrow Pedestal—Roller Bearing | 1997 | S-II | |
| S-3010 | Side Frame, Standard Pedestal-Type with Side Frame Key—Limiting Dimensions | 1947 | S-II | |
| S-314 | Side Frame, Truck—Marking Diagram | 2014 | S-II | |
| S-393 | Side Frames and Bolsters—Produced Prior to 1978 | 2001 | S-II | |
| M-214 | Side Frames and Bolsters, Used and Reconditioned—Classification and Repair Procedure | 2020 | S | |
| S-2035 | Side Handhold, Additional—Hopper and High-Side Gondola Cars | 2017 | C | |
| S-378 | Side Frame, Cast Steel—Marking and Mating | 2010 | S-II | |
| S-3011 | Side Frame, Standard Pedestal-Type Size 6 in. × 11 in. with Side Frame Key—Limiting Dimensions | 1997 | S-II | |
| S-461 | Single-Capacity Freight Brakes—Performance Specification | 2019 | E | Update Available |
| S-4286 | Single-Car Test for Testing Electronically Controlled Pneumatic Braking Systems—Design and Performance Requirements | 2009 | E-II | |
| M-949 | Slack Adjuster Grease | 2002 | E | |
| S-423 | Slack Adjuster Reclamation—Automatic, Double-Acting, Mechanical Slack Adjusters | 2010 | E | |
| RP-400 | Slack Adjuster—General Information | 2002 | E | |
| S-420 | Slack Adjuster—Limiting Design Dimensions (Group E) | 2002 | E | |
| S-421 | Slack Adjuster, Center Rod Application (Group E) | 2002 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-4008 | Slack Adjuster, Mechanical, Double-Acting, Automatic Compression | 2017 | E | |
| S-419 | Slack Adjuster, Mechanical, Double-Acting, Automatic Tension | 2017 | E | |
| S-4010 | Slack Adjuster, Tension—Inspection, Testing, Removal, and Application | 2018 | E | |
| S-420A | Slack Adjuster, Tension—Limiting Design Dimensions | 2002 | E | |
| S-422 | Slack Adjuster, Top Rod Application (Group E) | 2002 | E | |
| M-975 | Span Bolsters | 2020 | S | |
| RP-557 | Spark Arrester | 2001 | M | |
| S-225 | Spark Shield—Wooden Deck Cars with Cast Iron Brake Shoes | 1980 | C | |
| M-965 | Special Devices to Control Stability of Freight Cars | 2002 | D | |
| S-399 | Specification for Bottom Rod Safety Supports | 1992 | E | |
| M-1003 | Specification for Quality Assurance | 2022 | J | Update Available |
| S-3006 | Specification for Recertified "D" Series Helical Truck Springs | 1988 | D | |
| S-3009 | Specification for Self-Locking Cotter Keys | 1992 | E | |
| S-3013 | Specifications Covering Surface of Truck Bolster Side Bearing Mounting Pad | 1997 | D | |
| M-1004 | Specifications for Fuel Tenders | 2022 | T | Update Available |
| M-1002 AppM | Specifications for Materials | 2018 | C-III | Update Available |
| S-3007 | Specifications for the Certification of New Truck Designs for Compatibility with Hot Bearing Detection Systems | 1991 | D | |
| RP-306 | Spring Test Machine | 1961 | D | |
| RP-307 | Spring Test Machine | 1961 | D | |
| S-332 | Spring—D2, 1 5/8-in. Travel | 1964 | D | |
| S-333 | Spring—D3, 2 1/2-in. Travel | 1977 | D | |
| S-334 | Spring—D4, 3 1/16-in. Travel | 1977 | D | |
| S-335 | Spring—D5, 3 11/16-in. Travel | 1977 | D | |
| S-336 | Spring—D6, 3 3/8-in. Travel | 1976 | D | |
| S-337 | Spring—D6A, 3 15/16-in. Travel | 2010 | D | |
| S-338 | Spring—D7, 4 1/4-in. Travel | 1977 | D | |
| S-340 | Spring—Groups D3, D4, D5, and D7 | 2010 | D | |
| S-341 | Spring—Groups D3, D4, D5, and Snubber | 2010 | D | |
| S-342 | Spring—Groups D3, D4, D5, D7, and Snubber | 2010 | D | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-343 | Spring—Groups D5 and Hydraulic Snubber | 2010 | D | |
| S-339 | Spring—Groups for D2 | 1981 | D | |
| S-3016 | Spring—Groups for Free, Unrestricted Interchange for 286,000 GRL Cars (M-976 and S-286 Approved Trucks) | 2018 | D | |
| RP-209 | Stake Pocket—for Flatcars | 1998 | C | |
| RP-208 | Stake Pocket—Permanent | 1998 | C | |
| S-9202B | Stand-alone Wayside Messaging Server Hardware Requirements | 2012 | K-III | |
| S-365 | Standard Location of Brake Hanger Brackets and Unit Guide Brackets | 1979 | E | |
| M-935 | Standard Operating Procedures for Intermodal Securement | 2017 | I | |
| RP-831 | Standard Vehicle Nomenclature | 2015 | N | |
| M-1002 AppZ | Statistically Valid Sample Plans | 2022 | C-III | Update Available |
| S-630 | Steel Wheel Gauge | 2013 | G | |
| RP-2017 | Striker Casting, Cast Steel | 1991 | C | |
| S-238 | Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Parts and Assembly | 1978 | C | |
| S-236 | Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Welded Application | 1978 | C | |
| S-720 | Tabulation of Adapters and Frame Keys for AAR-Approved Roller Bearings | 2008 | H | |
| M-1002 AppA | Tank Car Valves and Fittings | 2021 | C-III | Update Available |
| S-2036 | Temperature—for Car Structures and Components | 1983 | C | |
| S-5031 | Tender-fill Control Cable FC-18 | 2020 | T | Update Available |
| RP-545 | Testing Electrical Components (RETIRED 01/04/2021) | 2001 | M | Update Available |
| S-464 | Test Rack, Multiple-Car—Performance Testing Procedure | 2019 | E | Update Available |
| S-463 | Test Rack, Multiple-Car, Freight Brake | 2019 | E | Update Available |
| S-465 | Test Rack, Single-Car | 2002 | E | |
| S-466 | Test Rack, Single-Car, for Individual Valve Portions—Performance Testing Procedure | 2005 | E | |
| M-1002 AppJ | Threaded and Bolted Flange Joint Assembly | 2019 | C-III | Update Available |
| S-815 | Tie-Down Chain Assemblies for Multi-Level and Other Flat Cars, Refurbished High Test Grade 43 or Alloy Grade 80 | 1994 | N | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-990 | Tie-Down Tracks, Wheel Chocks, and Straps (Tri-Level Autoracks) | 2016 | N | |
| M-957 | Tie-Down Tracks, Winches, and Chains | 1997 | N | |
| M-966 | TOFC Portable Bridge Plates | 2004 | I | |
| RP-853 | Trailer Repair and Modification | 2019 | I | Update Available |
| M-931 | Trailers for Intermodal Service | 2019 | I | Update Available |
| S-253 | Train Coal Car, 100-Ton Nominal Capacity, with Train Positioner—Clearance Diagram | 1982 | C | |
| S-4003 | Train Line Arrangement for Cars with F-Shank Couplers | 2005 | E | |
| S-4029 | Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Exceeding 45 in. in Length | 2008 | E | |
| S-4028 | Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Not Exceeding 45 in. in Length | 2008 | E | |
| S-4013 | Train Line Hoses—Coupling Extension Adapter | 2002 | E | |
| S-4030 | Trolley Arrangement on Cars with EOCC and E Shank Couplers | 2008 | E | |
| S-2037 | Trough Hatch Cover | 2015 | C | |
| M-202 | Truck Bolsters, Cast or Structural—Design and Testing | 2021 | S | |
| M-213 | Truck Frames, Fabricated Steel | 2018 | S | |
| M-976 | Truck Performance for Rail Cars | 2020 | D | Update Available |
| M-948 | Truck Side Bearing | 2017 | D | |
| M-203 | Truck Side Frames, Cast Steel—Design and Testing | 2021 | S | |
| S-392 | Truck—Design Drawings | 2018 | S-II | |
| S-301 | Truck, 33-in. Wheels—Design Dimensions | 2018 | S-II | |
| S-302 | Truck, 36 in. Wheels—Design Dimensions | 2018 | S-II | |
| S-304 | Truck, 38 in. Wheels—Design Dimensions | 2018 | S-II | |
| S-300 | Truck, Freight Car—Design Data | 2016 | S-II | |
| M-204 | Truck, Freight Car, with Car Body/Side Frame Load Path—Design and Testing | 2011 | S | |
| RP-505 | Typical 26-L Type Brake Equipment Piping Diagrams for Locomotives | 2001 | M | |
| S-5022 | Ultra-Low Sulfur Diesel (ULSD) Identification Label/Decal | 2015 | M | |
| M-961 | Uncoupling Devices, Special | 2003 | S-III | |
| M-921H | Unit Condition Indicator, Standard EOC and COC Cushioning Devices | 2018 | B | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-366 | Unit Guide Bracket, EC-2055—Design Dimensions | 2009 | S-II | |
| S-3005 | Universal Brake Beam Gauge | 1985 | E | |
| M-934E | Universal Fitted Backing Rings For Freight Car Tapered-roller Journal Bearings | 2019 | H | |
| RP-231 | Universal Pocket—Typical Sections and Notes | 1975 | C | |
| RP-228 | Universal Pocket, 10-in. Cushion, Low Deck—E69 Coupler | 1975 | C | |
| RP-227 | Universal Pocket, 15-in. Cushion, E69 Coupler | 1975 | C | |
| M-950-A | Universal Wide-Body Bi-Level Fully Enclosed Autorack Car (Standard Deck) | 2018 | N | |
| M-950 | Universal Wide-Body Tri-Level Fully Enclosed Autorack Car (Low Deck) | 2022 | N | Update Available |
| RP-816 | Unloading of Vehicles | 2006 | N | |
| M-991 | Vehicle Door Edge Protection System for Multi-Level Autorack Cars | 2021 | N | Update Available |
| S-490 | Vent Protector Performance and Approval | 2002 | E | |
| S-227 | Walkways, Alternate—at Sides of Double-Stack Car Wells | 2020 | C | |
| S-6100 | Wayside Detector Data Processing | 2016 | F | |
| S-6102 | Wayside Passing Data Format | 2021 | F | Update Available |
| S-705 | Wear Gauge for Journal Roller Bearing Adapters | 1978 | H | |
| S-706 | Wear Gauge for Journal Roller Bearing Adapters | 1975 | H | |
| S-367 | Wear Plate for Unit-Type Brake Beam Guide in Side Frame | 2003 | E | |
| M-269 | Wear Plate, Coupler Carrier, Performance Specification—Non Metallic | 2003 | B | |
| S-270 | Wear Plate, Used in Cushion Unit and Draft Systems that Employ the Y-47 Pin for an F Shank | 2009 | B | |
| S-402 | Welding of Air Brake Pipe and Fittings for Railroad Cars—Welding Procedure | 2020 | E | Update Available |
| RP-802 | Wheel Chock Strap Assembly Replacement | 1996 | N | |
| S-614 | Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-615 | Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-660 | Wheel Designs, Locomotive and Freight Car—Analytic Evaluation | 2009 | G | |
| S-6030 | Wheel Performance—Dynamic Impact and Rim Thickness | 2016 | F | |
| S-6103 | Wheel Profile Detector | 2021 | F | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-5021 | Wheel Size and Speed Pickup Axle Identification | 2016 | M | |
| RP-750 | Wheel-Mounting Compound Approval Test Procedure | 2015 | G-II | |
| S-657 | Wheel, Passenger Car (Amfleet) | 1980 | G | |
| S-601 | Wheels—Manufacturing Facility Inspection by Technical Services | 2004 | G | |
| S-611 | Wheels—Measuring Wheel Circumference (Tape) Using Wheel Gauges S-612 and S-613 | 2004 | G | |
| M-107/ M-208 | Wheels, Carbon Steel | 2020 | G | |
| RP-5136 | Windshield Wiper Motor Handle with Soft-Rubber-Type Grip | 2001 | M | |
| RP-5137 | Windshield Wiper Motor Protective Cover | 2001 | M | |
| RP-588 | Wire and Cable Insulating Material | 2001 | M | |
| RP-586 | Wire and Cable Insulating Material—Moisture-Resisting Jacketed | 2005 | M | |
| RP-587 | Wire and Cable Insulating Material—Silicone Rubber Insulated | 2005 | M | |
| RP-585 | Wiring and Cable Specification | 2001 | M | |
| M-205 | Yoke, Coupler—Test Requirements | 2003 | S | |
| S-176 | Yoke, E Type, Cushioning, for Pocket EOC-7 | 2020 | S-III | |
| S-177 | Yoke, E Type, Cushioning, for Pocket EOC-8 | 2020 | S-III | |
| S-143 | Yoke, E Type, SY40AE or YS93AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2009 | S-III | |
| S-141 | Yoke, E Type, Y40AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2009 | S-III | |
| S-142 | Yoke, E Type, Y41AE for 36-in. Draft Gear Pocket | 2009 | S-III | |
| S-149 | Yoke, E/F and F Type, Y45AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2003 | S-III | |
| S-151 | Yoke, E/F Type, Y49AE, Standard, for 36-in. Draft Gear Pocket | 2003 | S-III | |
| S-180 | Yoke, F Type, Cushioning, for Pocket EOC-1, EOC-2, and EOC-16 | 2020 | S-III | |
| S-179 | Yoke, F Type, Cushioning, for Pocket EOC-10 and EOC 26 | 2020 | S-III | |
| S-178 | Yoke, F Type, Cushioning, for Pocket EOC-9 | 2020 | S-III | |
| S-139 | Yokes, Relief Fillets | 2003 | S-III | |
| S-5032 | Tender-fill Ethernet Cable (FC-8) | 2020 | T | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-010 | Field Test Requirements for Materials, Devices, and Products Manufactured to AAR Specifications but Having No Previous Service Experience on AAR Member Roads | | AS | |
| S-046 | Definitions of Terms for the AAR *Manual of Standards and Recommended Practices* | 2015 | AS | Update Available |
| S-050 | Procedures for Considering Proposals Regarding Revisions to the Manual of Standards and Recommended Practices | 2014 | AS | |
| S-051 | Conditions Governing Withdrawal of AAR Approval of Freight Car and Locomotive Components and Products | 2000 | AS | |
| S-060 | Application for Component Approval Procedure | 2015 | AS | Update Available |
| M-118 | Pin, Coupler Knuckle Pivot and Coupler Shank Connecting, Steel | 2018 | B | |
| M-119 | Retaining Pin and Keeper for F-Type Cushion Yoke | 2009 | B | |
| M-269 | Wear Plate, Coupler Carrier, Performance Specification—Non Metallic | 2003 | B | |
| M-901B | Draft Gear, Secondhand and Reconditioned | 2015 | B | |
| M-901E | Draft Gears with a Minimum Capacity of 36,000 ft·lb at a Reaction of 500,000 lb | 2015 | B | |
| M-901F | Draft Gear Reaction Forces, Measuring and Recording, Instrumentation Requirements | 2003 | B | |
| M-901G | Draft Gear, Rated by Impact Testing | 2015 | B | |
| M-901K | Draft Gear, All-Hydraulic, Rated by Impact Testing | 2015 | B | |
| M-921A | Cushioning Devices, Sliding Sill | 2018 | B | |
| M-921B | Cushioning Devices, End-of-Car | 2020 | B | Update Available |
| M-921C | Cushioning Devices, Reconditioned—Approved for Freight Service | 2020 | B | Update Available |
| M-921D | Cushioning Devices, End-of-Car—Motor-Vehicle-Carrying | 2020 | B | Update Available |
| M-921E | Cushioning Devices, Active Draft End | 2020 | B | Update Available |
| M-921F | Cushioning Devices, Active Draft End of Car | 2020 | B | Update Available |
| M-921G | Facility Inspection Requirements for Manufacturers of New and Reconditioned Cushioning Devices for Freight Service | 2003 | B | |
| M-921H | Unit Condition Indicator, Standard EOC and COC Cushioning Devices | 2018 | B | |
| RP-101 | Draft Gear Inspection | 2011 | B | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-110 | Cushioning Device Inspection | 2003 | B | |
| S-100 | Bushings, Seamless Steel Tube—Coupler Shanks and Yokes | 2010 | B | |
| S-101 | Field Service Experience—Reporting Requirements | 2003 | B | |
| S-119 | Draft Gear Follower, Y44A | 2012 | B | |
| S-120 | Draft Key Retainers, Locks, Keepers, and Washer | 2011 | B | |
| S-121 | Draft Key | 2017 | B | |
| S-125 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective ACF Freight Saver 20- or 30-in. Travel Units—Plate No. 526-1 | 2003 | B | |
| S-126 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Keystone 20-in. Travel Unit, Santa Fe Shock Control, A.O. Smith Cushion Ride, and Rockwell Cargo Cushion—Plate No. 526-2 | 2003 | B | |
| S-127 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Cushion 10-, 12-, or 20-in. Travel Units or Evans Cushion Pak Wide Tunnel Units—Plate No. 526-3 | 2003 | B | |
| S-128 | Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Pullman Standard Hydroframe 40 and 60 Units or National 3C Wide Tunnel Units—Plate No. 526-4 | 2003 | B | |
| S-156 | Immobilization of Freightmaster Types SP-E and SP-C | 2003 | B | |
| S-157 | Immobilization of Freightmaster Types F, FS, and B | 2003 | B | |
| S-158 | Immobilization of Freightmaster | 2003 | B | |
| S-159 | Immobilization of Freightmaster Types HD and AR-F | 2003 | B | |
| S-160 | Immobilization of Keystone Type E Miner SR-12 | 2003 | B | |
| S-161 | Immobilization of Freightmaster 10-in. Type E Miner M-12S | 2003 | B | |
| S-162 | Immobilization of Keystone F Shank | 2003 | B | |
| S-171 | Immobilization of Pullman Standard, ACF, or Keystone Center-of-Car Cushioning Devices (“Dummy Cylinder Method”) | 2003 | B | |
| S-181 | Cushioning Pocket Identification Guide—AAR Rule 59 | 2003 | B | |
| S-182 | Pocket Tolerances—EOC-8 | 2011 | B | |

**Note:** Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-183 | Pocket Tolerances—EOC-9 | 2011 | B | |
| S-184 | Pocket Tolerances—EOC-10 | 2011 | B | |
| S-269 | Coupler Carrier Wear Plate | 2003 | B | |
| S-270 | Wear Plate, Used in Cushion Unit and Draft Systems that Employ the Y-47 Pin for an F Shank | 2009 | B | |
| M-800 | Hopper Car, Covered—For Transport of Oxidizing Commodities | 2012 | C | |
| M-801 | Hopper Car, Covered—Pressurized During Unloading and In-Transit | 2012 | C | |
| M-908 | Flat Steel Floor for Freight Cars 50,000, 60,000, 70,000 or 80,000 lb Capacities | 2006 | C | |
| M-947 | Adhesive-Backed Films for Marking Cars—Performance-Based Requirements | 2015 | C | |
| M-964 | Floor, Nailable Steel—Freight Cars 50,000-, 60,000-, 70,000- or 80,000-lb Capacities | 2006 | C | |
| RP-200 | Hopper Car, Open Top, in Shaker Service—Design Features | 1976 | C | |
| RP-206 | Decking, Wood—for Open Top Cars | 1981 | C | |
| RP-208 | Stake Pocket—Permanent | 1998 | C | |
| RP-209 | Stake Pocket—for Flatcars | 1998 | C | |
| RP-227 | Universal Pocket, 15-in. Cushion, E69 Coupler | 1975 | C | |
| RP-228 | Universal Pocket, 10-in. Cushion, Low Deck—E69 Coupler | 1975 | C | |
| RP-231 | Universal Pocket—Typical Sections and Notes | 1975 | C | |
| RP-232 | Ladder, End and Side—Configuration | 1981 | C | |
| RP-233 | Hold-Down Clips—Gondolas, Side Sheet Mounted | 1948 | C | |
| RP-234 | Hold-Down Clips—Gondolas, Top Cord Mounted | 1982 | C | |
| RP-258 | Hopper Car—Grain Service | 1992 | C | |
| RP-401 | Brake Control Valves—Mount-Configuration Designs as Related to Field Vibration | 2014 | C | |
| RP-905 | Performance Requirements for Refrigerated Boxcar Fuel Tanks | 2006 | C | |
| RP-940 | Electronic Distribution Format For Engineering Drawings | 2005 | C | |
| RP-2017 | Striker Casting, Cast Steel | 1991 | C | |
| RP-2018 | Handholds, Steps, and Ladders for Interior Access | 2019 | C | |
| S-203 | Coupler, Height Adjustment | 1962 | C | |
| S-204 | Body Center Plate, Separable—Surface Finish | 2014 | C | |
| S-206 | Body Center Plate, Cast Steel or Forged—for Freight Cars with 14 in. Center Plates | 1978 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-207 | Body Center Plate, Cast Steel or Forged—for Freight Cars with 16 in. Center Plates | 2014 | C | |
| S-211 | Body Center Plate Gauge—14-in. and 16-in. Diameter | 1976 | C | |
| S-212 | Side Door, Boxcar—Sliding Type | 2012 | C | |
| S-213 | Side Door and Door Frames, Boxcar—Plug Type | 2018 | C | |
| S-215 | Safety Hangers and Retainers—for Freight Car Doors | 1964 | C | |
| S-217 | Identification Plate—Boxcar Doors | 2009 | C | |
| S-219 | Safety Appliances for Bulkhead Flatcars, Including Pulpwood Cars and Center Beam Cars | 2017 | C | |
| S-220 | Safety Appliances for Special Service High-Side Gondolas with Fixed Ends | 2017 | C | |
| S-224 | Handholds, Safety Railings, and Ladder Treads | 2015 | C | |
| S-225 | Spark Shield—Wooden Deck Cars with Cast Iron Brake Shoes | 1980 | C | |
| S-226 | Running Board, End Platform, and Brake Step—Design Approval | 2020 | C | |
| S-227 | Walkways, Alternate—at Sides of Double-Stack Car Wells | 2020 | C | |
| S-229 | DOT Placard Location | 2013 | C | |
| S-230 | Lading Strap Anchor Arrangement and Use—for Flatcars | 1973 | C | |
| S-233 | Gravity Outlet Gates, New—for Covered Hopper Cars | 2014 | C | |
| S-234 | Lifting Freight Cars | 1982 | C | |
| S-235 | Side Bearing Wear Plate—Car Body | 2012 | C | |
| S-236 | Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Welded Application | 1978 | C | |
| S-238 | Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Parts and Assembly | 1978 | C | |
| S-239 | Arrangement E60 Coupler Design 24 5/8 in. Draft Gear Pocket Striker Applied by Welding | 2012 | C | |
| S-243 | Draft Arrangement, E68 Coupler, 24 5/8-in. Pocket | 1983 | C | |
| S-244 | Draft Arrangement, E69 Coupler, 24 5/8-in. Pocket | 1983 | C | |
| S-245 | Draft Arrangement, F70 Coupler, 24 5/8-in. Pocket—Striker Applied by Welding | 1978 | C | |
| S-247 | Draft Arrangement, F79 Coupler, 24 5/8-in. Pocket | 1978 | C | |
| S-249 | Door Puller Bracket, Application to Intermediate Post | 1978 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-252 | Door Air Lines—Location of End Cocks | 1978 | C | |
| S-253 | Train Coal Car, 100-Ton Nominal Capacity, with Train Positioner—Clearance Diagram | 1982 | C | |
| S-254 | Draft Pocket Tolerances | 1974 | C | |
| S-255 | Combined Striker and Front Draft Lug Tolerances | 1974 | C | |
| S-258 | Body Center Plate Relief | 1980 | C | |
| S-259 | Rail Car, 286,000-lb Gross Weight | 1994 | C | |
| S-265 | Center Pin—Freight Car | 1989 | C | |
| S-266 | Center Sill Section, Rolled Steel | 2012 | C | |
| S-267 | Center Sill Section—Welding Notes | 1979 | C | |
| S-286 | Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars | 2016 | C | |
| S-910 | Marking of Freight Cars | 2022 | C | Update Available |
| S-916 | Retroreflective Comparator Panel Requirements | 2018 | C | |
| S-2008 | Card Holder—Bad Order | 2013 | C | |
| S-2025 | Hopper Car—End for Door Operating Shaft | 1914 | C | |
| S-2034 | Car Builder Certification | 2019 | C | |
| S-2035 | Side Handhold, Additional—Hopper and High-Side Gondola Cars | 2017 | C | |
| S-2036 | Temperature—for Car Structures and Components | 1983 | C | |
| S-2037 | Trough Hatch Cover | 2015 | C | |
| S-2038 | Rack Car, Multilevel, with or without Door or Roof, Enclosed—Safety Appliance Standards | 2017 | C | |
| S-2039 | Batten Bars | 2014 | C | |
| S-2042 | Performance Specification for Sill Steps | 2017 | C | |
| S-2043 | Performance Specification for Trains Used to Carry High-Level Radioactive Material | 2017 | C | |
| S-2044 | Safety Appliance Requirements for Freight Cars | 2020 | C | |
| S-2045 | Remote Monitoring Equipment, Installation | 2022 | C | Update Available |
| S-2046 | Accelerated Fatigue Test Specification for Increased Life Status Applications | 2006 | C | |
| S-2049 | Anti-Pilferage Device—Boxcar Sliding Door | 2007 | C | |
| S-2050 | Anti-Pilferage Device—Boxcar Plug Door | 2007 | C | |
| S-2053 | Container Interface—Well Car, 53 ft | 2009 | C | |
| S-2054 | Clearance Diagram—Interface Between a Well Car and a Container Equipped with a Refrigerator/ Heater Unit | 2016 | C | |
| S-2055 | Body Center Plate, Low Profile | 2014 | C | |
| S-2056 | Clearance Plate Diagrams for Interchange Service | 2020 | C | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-1001 | Design, Fabrication, and Construction of Freight Cars | 2020 | C-II | Update Available |
| M-1002 Ch1 | Introductions, Approvals, and Reports | 2022 | C-III | Update Available |
| M-1002 Ch2 | AAR Special Requirements for DOT Tank Cars | 2022 | C-III | Update Available |
| M-1002 AppA | Tank Car Valves and Fittings | 2021 | C-III | Update Available |
| M-1002 AppB | Certification of Tank Car Facilities | 2022 | C-III | Update Available |
| M-1002 AppD | Retest and Qualification Requirements | 2021 | C-III | Update Available |
| M-1002 AppJ | Threaded and Bolted Flange Joint Assembly | 2019 | C-III | Update Available |
| M-1002 AppL | Interior Cleaning, Lining, and Coating | 2019 | C-III | Update Available |
| M-1002 AppM | Specifications for Materials | 2018 | C-III | Update Available |
| M-1002 AppR | Repair, Alteration, and Conversion to Tank Car Tanks | 2019 | C-III | Update Available |
| M-1002 AppZ | Statistically Valid Sample Plans | 2022 | C-III | Update Available |
| M-114 | Helical Springs, Heat-Treated Steel | 2008 | D | |
| M-948 | Truck Side Bearing | 2017 | D | |
| M-965 | Special Devices to Control Stability of Freight Cars | 2002 | D | |
| M-976 | Truck Performance for Rail Cars | 2020 | D | Update Available |
| M-979 | Center Bowl Liner—Requirements for Approval | 2019 | D | |
| M-980 | Friction Wedge Performance for Railcars—Dynamic Wear Test | 2018 | D | |
| RP-306 | Spring Test Machine | 1961 | D | |
| RP-307 | Spring Test Machine | 1961 | D | |
| RP-323 | Application of Snap-On Pedestal Roof Liners for AAR Pedestal-Type Side Frames | 2012 | D | |
| S-306 | Center Bowl Vertical Wear Liner | 2017 | D | |
| S-307 | Center Bowl Horizontal Wear Liner | 2017 | D | |
| S-308 | Center Bowl Wear Liner Application | 2012 | D | |
| S-320 | Side Frame—Column Wear Plate, Application | 1983 | D | |
| S-332 | Spring—D2, 1 5/8-in. Travel | 1964 | D | |
| S-333 | Spring—D3, 2 1/2-in. Travel | 1977 | D | |
| S-334 | Spring—D4, 3 1/16-in. Travel | 1977 | D | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-335 | Spring—D5, 3 11/16-in. Travel | 1977 | D | |
| S-336 | Spring—D6, 3 3/8-in. Travel | 1976 | D | |
| S-337 | Spring—D6A, 3 15/16-in. Travel | 2010 | D | |
| S-338 | Spring—D7, 4 1/4-in. Travel | 1977 | D | |
| S-339 | Spring—Groups for D2 | 1981 | D | |
| S-340 | Spring—Groups D3, D4, D5, and D7 | 2010 | D | |
| S-341 | Spring—Groups D3, D4, D5, and Snubber | 2010 | D | |
| S-342 | Spring—Groups D3, D4, D5, D7, and Snubber | 2010 | D | |
| S-343 | Spring—Groups D5 and Hydraulic Snubber | 2010 | D | |
| S-373 | Location of Peep Hole on Cars Having Deep Side Sills for Checking Brake Cylinder Piston Travel | 1967 | D | |
| S-377 | Side Frame Keys for AAR Standard and Alternate Standard Pedestal-Type Side Frames | 1966 | D | |
| S-394 | Side Bearing Pad for Two-Hole Application | 1997 | D | |
| S-3003 | Side Frame—Column Friction Wear Plate, Application | 1983 | D | |
| S-3006 | Specification for Recertified “D” Series Helical Truck Springs | 1988 | D | |
| S-3007 | Specifications for the Certification of New Truck Designs for Compatibility with Hot Bearing Detection Systems | 1991 | D | |
| S-3008 | Performance of Devices or Designs to Control Yaw Dynamics in Freight Car Trucks | 1997 | D | |
| S-3013 | Specifications Covering Surface of Truck Bolster Side Bearing Mounting Pad | 1997 | D | |
| S-3014 | Freight Car Truck Springs—with Snubber Spring | 2010 | D | |
| S-3015 | Freight Car Truck Springs—without Snubber Spring | 2010 | D | |
| S-3016 | Spring—Groups for Free, Unrestricted Interchange for 286,000 GRL Cars (M-976 and S-286 Approved Trucks) | 2018 | D | |
| M-300 | Reconditioned Brake Beams | 2012 | E | |
| M-402 | Brake Shoe, Cast Iron, High-Phosphorus Type | 2002 | E | |
| M-601 | Hose, Wrapped, Air—Brake, “End Hose” | 2006 | E | |
| M-602 | Gaskets, Air Hose | 2002 | E | |
| M-618 | Hose, Air, Wire-Reinforced | 2011 | E | |
| M-619 | Brake Cylinder Line Hose Assemblies—Performance Requirements | 2005 | E | |
| M-620 | Hose, Air, Fabric-Reinforced | 2011 | E | |
| M-912 | Oil, Control Valve | 2002 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-914 | Brake Cylinder Lubricant | 2003 | E | |
| M-923 | Hose Cement | 1983 | E | |
| M-926 | Brake Shoe, High-Friction Composition or Metal Type | 2015 | E | |
| M-927 | Hose Fittings and Hose Assemblies, Air, Wire-Reinforced | 2007 | E | |
| M-949 | Slack Adjuster Grease | 2002 | E | |
| M-996 | Brake Shoe, Low-Friction Composition Type | 2015 | E | |
| M-997 | Brake Shoe—High-Friction Tread Conditioning, High Capacity | 2008 | E | |
| RP-308 | Design Dimensions for Brake Hanger Bracket | 1937 | E | |
| RP-322 | Brake Beam Strut Keyway Gauge | 1992 | E | |
| RP-400 | Slack Adjuster—General Information | 2002 | E | |
| RP-5599 | Hook and Eye Brake Rigging—Lever Angularity Inspection | 2007 | E | |
| S-344 | Brake Beam Specifications and Tests | 2007 | E | |
| S-345 | Brake Beam—Tolerance, Hangerless Type | 1979 | E | |
| S-346 | Brake Beam—Outline, Hanger Type | 1953 | E | |
| S-348 | Brake Beam Gauges for Standard Brake Beams | 1992 | E | |
| S-349 | Brake Beam—Outline, Hangerless Type | 1979 | E | |
| S-352 | Brake Beam Gauge Assembly—Hangerless Type | 1979 | E | |
| S-353 | Brake Beam Gauge Details—Hangerless Type | 1981 | E | |
| S-355 | Brake Beam Gauge Application—Hangerless Type | 1979 | E | |
| S-358 | Go Gauge for Brake Head, Metal or High-Friction Shoe | 2009 | E | |
| S-359 | Go and No-Go Gauge for Brake Head for Limiting Contour of Face, Metal or High-Friction Shoe | 1990 | E | |
| S-360 | Gauges for End of Hangerless-Type Brake Beam | 1979 | E | |
| S-361 | Go Gauges for Brake Shoe | 1944 | E | |
| S-362 | No-Go Gauge for Brake Shoe | 1944 | E | |
| S-365 | Standard Location of Brake Hanger Brackets and Unit Guide Brackets | 1979 | E | |
| S-367 | Wear Plate for Unit-Type Brake Beam Guide in Side Frame | 2003 | E | |
| S-368 | Brake Beam Hangers and Attachments | 1965 | E | |
| S-369 | Brake Beam Hangers and Attachments | 1965 | E | |
| S-370 | Limiting Contour of Face of Brake Heads for Hanger-Type Brake Beams | 2009 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-371 | Limiting Contour of Face of Brake Heads for Hangerless-Type Brake Beams | 2009 | E | |
| S-372 | Brake Head Conversion—Metal Shoe-Type to High-Friction Composition | 1972 | E | |
| S-374 | Badge Plate for Showing Proper Dimensions for Body and Truck Brake Levers | 1964 | E | |
| S-375 | Brake Pin Tolerance | 1975 | E | |
| S-376 | Brake Shoe Keys | 2003 | E | |
| S-379 | Application Tolerances for Hanger-Type Brake Beams | unk | E | |
| S-380 | Hangerless Brake Beam Extension Functional Gauge (Parallelism) | 1979 | E | |
| S-399 | Specification for Bottom Rod Safety Supports | 1992 | E | |
| S-400 | Brake Equipment—Installation Specifications | 2018 | E | |
| S-401 | Brake Design Requirements. | 2020 | E | Update Available |
| S-402 | Welding of Air Brake Pipe and Fittings for Railroad Cars—Welding Procedure | 2020 | E | Update Available |
| S-419 | Slack Adjuster, Mechanical, Double-Acting, Automatic Tension | 2017 | E | |
| S-420 | Slack Adjuster—Limiting Design Dimensions (Group E) | 2002 | E | |
| S-420A | Slack Adjuster, Tension—Limiting Design Dimensions | 2002 | E | |
| S-421 | Slack Adjuster, Center Rod Application (Group E) | 2002 | E | |
| S-422 | Slack Adjuster, Top Rod Application (Group E) | 2002 | E | |
| S-423 | Slack Adjuster Reclamation—Automatic, Double-Acting, Mechanical Slack Adjusters | 2010 | E | |
| S-424 | Angle Cock Location | 2018 | E | |
| S-425 | Angle Cock Location on Cars Equipped with AAR Type F Coupler | 2002 | E | |
| S-426 | Angle Cock Location on Cars with Floating Sills | 2005 | E | |
| S-427 | Angle Cock and Air Brake Hose Location on Cars with Excessive Overhang Preventing Compliance with AAR Standards S-424, S-425, and S-426 | 2005 | E | |
| S-428 | Angle Cock Location on Cars Equipped with AAR Type F Coupler and Cushioned Underframe | 2005 | E | |
| S-429 | Angle Cock Locking Lugs—Minimum Permissible Engagement | 2002 | E | |
| S-430 | Brake Shoe, Metal, Reinforced | 2002 | E | |
| S-431 | Brake Shoe, High-Friction Composition Type—Limiting Contour | 2017 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-432 | Hose Support, S Hook | 2002 | E | |
| S-436 | Hose Coupling, Dummy | 2002 | E | |
| S-437 | Hose, Other than Armored Type—Mounting Procedure | 2002 | E | |
| S-438 | Hose, Armored Type—Mounting Procedure | 1949 | E | |
| S-439 | Hose Clamps | 2002 | E | |
| S-440 | End Hose Gaskets, Couplings, and Nipples—Annual Test Requirements | 1999 | E | |
| S-441 | Air Brake and Signal Hose—Mounting of Coupling and Nipple | 2002 | E | |
| S-443 | Brake Cylinder Release Valve and Release Rod | 2002 | E | |
| S-444 | Brake Cylinder Release Valve Rod Handles—Location | 2002 | E | |
| S-445 | Retaining Valve—Location | 2002 | E | |
| S-446 | Retaining Valve, 1967-Type, Three-Position | 2002 | E | |
| S-447 | Hose Coupling Gasket Gauge | 2002 | E | |
| S-448 | Brake Shoe Go Gauge | 2002 | E | |
| S-449 | Brake Shoe No-Go Gauge | 2002 | E | |
| S-455 | Hose Coupling Condemning Gauges for Checking the Beads and Shanks on New and Used Hose Couplings and Nipples | 2002 | E | |
| S-456 | Hose Coupling Gauges for Gauging New and Used Couplings | 2002 | E | |
| S-457 | Hose Coupling Tester, Air Brake, Type A-1-B—Modification to Permit Testing of Pinless-Type Couplings | 2002 | E | |
| S-458 | Hose Assemblies—Reclamation Procedures | 2002 | E | |
| S-461 | Single-Capacity Freight Brakes—Performance Specification | 2019 | E | Update Available |
| S-462 | Control Valve—Approval Procedure | 2019 | E | Update Available |
| S-463 | Test Rack, Multiple-Car, Freight Brake | 2019 | E | Update Available |
| S-464 | Test Rack, Multiple-Car—Performance Testing Procedure | 2019 | E | Update Available |
| S-465 | Test Rack, Single-Car | 2002 | E | |
| S-466 | Test Rack, Single-Car, for Individual Valve Portions—Performance Testing Procedure | 2005 | E | |
| S-467 | Control Valve, Freight Brake—Environmental Tests | 2002 | E | |
| S-468 | Control Valve Pipe Bracket | 2009 | E | |
| S-469 | Performance Specification for Freight Brakes | 2006 | E | |
| S-470 | Angle Cock, Ball Type—Specification for Approval | 2002 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-471 | Brake Pipe Restriction Test | 2010 | E | |
| S-472 | End Cock Location on Cars Arranged for Rotary Dump Service | 2002 | E | |
| S-473 | Brake Equipment—Application Form for AAR Approval of New and Untried Freight Cars | 2003 | E | |
| S-475 | Hand Brakes | 2019 | E | Update Available |
| S-476 | Angle Cocks and Brake Pipe End Cocks—Repair Specification | 1981 | E | |
| S-477 | Control Valve—Shop Certification Requirements for Approved Valves | 2002 | E | |
| S-486 | Code of Air Brake System Tests for Freight Equipment—Single Car Test | 2018 | E | |
| S-488 | End Cock and Air Brake Hose Location on Long Cars | 2002 | E | |
| S-489 | Dirt Collector and Cutout Cock, Combined—Repair Specification | 1981 | E | |
| S-490 | Vent Protector Performance and Approval | 2002 | E | |
| S-491 | Hose Coupling | 2005 | E | |
| S-492 | Field Service Reports—Requirements | 2002 | E | |
| S-493 | Dirt Collector and Cutout Cock—Test Specification | 2002 | E | |
| S-494 | Reservoir, Steel Fabricated, Combined Auxiliary and Emergency | 2005 | E | |
| S-495 | Angle Cock Location on Cars Arranged for Rotary Dump Service | 2002 | E | |
| S-2009 | Push Rod, Brake Cylinder | 1964 | E | |
| S-3001 | Approval of AAR-Approved Brake Beam Safety Supports | 1984 | E | |
| S-3005 | Universal Brake Beam Gauge | 1985 | E | |
| S-3009 | Specification for Self-Locking Cotter Keys | 1992 | E | |
| S-4000 | Brake Pipe Reduction Devices, Freight Auxiliary—Environmental Tests | 1984 | E | |
| S-4001 | Rubber Products—Performance | 2018 | E | |
| S-4002 | Empty/Load Devices—Performance Testing | 2005 | E | |
| S-4003 | Train Line Arrangement for Cars with F-Shank Couplers | 2005 | E | |
| S-4004 | Brake Cylinder—Performance Testing | 2002 | E | |
| S-4005 | Brake Systems, Truck-Mounted—Performance Testing | 2002 | E | |
| S-4006 | Hose Supports—Performance Testing | 2008 | E | |
| S-4007 | Reservoir, Combined Auxiliary and Emergency—Reclamation Procedure | 2002 | E | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-4008 | Slack Adjuster, Mechanical, Double-Acting, Automatic Compression | 2017 | E | |
| S-4009 | Compression Slack Adjusters and Piston Travel Adjustment—Inspection, Testing, Removal, and Application | 2009 | E | |
| S-4010 | Slack Adjuster, Tension—Inspection, Testing, Removal, and Application | 2018 | E | |
| S-4013 | Train Line Hoses—Coupling Extension Adapter | 2002 | E | |
| S-4020 | Brake Cylinder Pressure Measurement Taps | 2005 | E | |
| S-4021 | Angle Cock and Brake Hose Location on Cars with EOCC | 2009 | E | |
| S-4022 | Pipe, Other than Schedule 80 Iron (RETIRED 04/16/2020) | 2006 | E | Update Available |
| S-4023 | Brake Shoe Limiting Contour, Low-Friction Composition Type | 2009 | E | |
| S-4024 | Brake Shoe Force Measurement Devices—Performance Specification | 2002 | E | |
| S-4025 | Brake Beam Wear Liners, Non-Metallic | 2004 | E | |
| S-4026 | Brake Rod Connector—Design Requirements | 2003 | E | |
| S-4027 | Automated Single-Car Test Equipment, Conventional Brake Equipment—Design and Performance Requirements | 2018 | E | |
| S-4028 | Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Not Exceeding 45 in. in Length | 2008 | E | |
| S-4029 | Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Exceeding 45 in. in Length | 2008 | E | |
| S-4030 | Trolley Arrangement on Cars with EOCC and E Shank Couplers | 2008 | E | |
| S-4045 | Passenger Equipment Maintenance Requirements (formerly S-045) | 2013 | E | |
| S-4046 | Date Markings for Rubberized Components | 2016 | E | |
| S-4047 | Positive Train Control—Locomotive Air Brake Interface Requirements | 2017 | E | |
| S-4200 | Electronically Controlled Pneumatic (ECP) Cable-Based Brake Systems—Performance Requirements | 2014 | E-II | |
| S-4210 | ECP Cable-Based Brake System Cable, Connectors, and Junction Boxes—Performance Specification | 2014 | E-II | |
| S-4220 | ECP Cable-Based Brake DC Power Supply—Performance Specification | 2002 | E-II | |

**Note:** Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-4230 | Intratrain Communication Specification for Cable-Based Freight Train Control Systems | 2014 | E-II | |
| S-4240 | ECP Brake Equipment—Approval Procedure | 2007 | E-II | |
| S-4250 | Performance Requirements for ITC-Controlled Cable-Based Distributed Power Systems | 2014 | E-II | |
| S-4260 | ECP Brake and Wire Distributed Power Interoperability Test Procedures | 2008 | E-II | |
| S-4270 | ECP BRake System Configuration Management | 2008 | E-II | |
| S-4286 | Single-Car Test for Testing Electronically Controlled Pneumatic Braking Systems—Design and Performance Requirements | 2009 | E-II | |
| S-920 | AAR Component Identification (CID) Bar Code Standard | 2022 | F | Update Available |
| S-6000 | Acoustic Roller Bearing Detector Level-1 Indications | 2021 | F | Update Available |
| S-6001 | Bearing Temperature Performance | 2021 | F | Update Available |
| S-6002 | Data Summary Definitions | 2021 | F | Update Available |
| S-6003 | Data Summary—Truck Hunting | 2021 | F | Update Available |
| S-6004 | Data Summary—TADS® | 2021 | F | Update Available |
| S-6005 | Data Summary—RailBAM® | 2021 | F | Update Available |
| S-6006 | Data Summary—Brake Health Truck | 2021 | F | Update Available |
| S-6007 | Data Summary—Brake Health Car | 2015 | F | |
| S-6008 | Data Summary—Salient Wheel Impact | 2021 | F | Update Available |
| S-6009 | Data Summary—Automatic Equipment Identification (AEI) | 2021 | F | Update Available |
| S-6010 | Data Summary—Wheel Profile Detector (WPD) | 2019 | F | |
| S-6020 | Data Summary Definition—Line-of-Road Failure | 2019 | F | |
| S-6021 | Data Summary Definition—Line-of-Road Failure—Air Hose Separation | 2016 | F | |
| S-6022 | Data Summary Definition—Line-of-Road Failure—Train Separation | 2016 | F | |
| S-6023 | Data Summary Definition—Line-of-Road Failure—Brake System/Other | 2016 | F | |
| S-6030 | Wheel Performance—Dynamic Impact and Rim Thickness | 2016 | F | |
| S-6031 | Inoperative Brake Indications as Determined by Wayside Detector | 2016 | F | |
| S-6100 | Wayside Detector Data Processing | 2016 | F | |
| S-6101 | Detector Calibration and Validation Requirements | 2022 | F | Update Available |
| S-6102 | Wayside Passing Data Format | 2021 | F | Update Available |
| S-6103 | Wheel Profile Detector | 2021 | F | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-6200 | Machine Vision Detector | 2021 | F | Update Available |
| M-101 | Axles, Carbon Steel, Heat-Treated | 2020 | G | |
| M-107/ M-208 | Wheels, Carbon Steel | 2020 | G | |
| M-967 | Electrochemical Metal Deposition for Repairing Roller Bearing Axle Journals | 2008 | G | |
| RP-608 | Gauge, Wheel—Reference Master Disk for Verifying Wheel Circumference Gauges S-612 and S-613 | 2004 | G | |
| RP-609 | Inspection Stand for Use with Master Disks | 2004 | G | |
| RP-612 | Mounting Pressures for Wrought and Cast Steel Wheels on Gear-Driven and Idler Axles of Locomotives Other than Steam | 2004 | G | |
| RP-613 | Gauge, Axle—Master Gauge for Verifying Axle Journal and Fillet Gauge S-614 | 2004 | G | |
| RP-614 | Gauge, Wheel—Master Gauge for Verifying Wheel Gauges S-617 and S-618 | 2004 | G | |
| RP-615 | Gauge, Wheel—Simplified | 2004 | G | |
| RP-622 | Axle, Weight—Machined Finish, Raised Wheel Seat | 2007 | G | |
| RP-629 | Gauge, Wheel—for Measuring Condemnable Overheated Wheels | 2004 | G | |
| RP-630 | Gauge, Wheel—Application for Measuring Condemnable Overheated Wheels | 2004 | G | |
| RP-636 | Gauge, Wheel—Application Drawing for AAR 1B Wheel Gauges S-662 and S-667 | 1991 | G | |
| RP-637 | Gauge, Wheel—Application Drawing for AAR 1B Wheel Gauges S-661 and S-665 | 1991 | G | |
| RP-638 | Gauge, Wheel—Application Drawing for Reference Gauge to Verify Wheel Gauges S-661, S-662, S-663, S-664, S-665, S-666, S-667, and S-668 | 1991 | G | |
| S-601 | Wheels—Manufacturing Facility Inspection by Technical Services | 2004 | G | |
| S-611 | Wheels—Measuring Wheel Circumference (Tape) Using Wheel Gauges S-612 and S-613 | 2004 | G | |
| S-612 | Circumference Measure (Tape) for 27 in. to 38 in. Steel Wheels | 2004 | G | |
| S-613 | Circumference Measure (Tape) for 38 in. to 52 in. Steel Wheels | 2004 | G | |
| S-614 | Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-615 | Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-616 | Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 2004 | G | |
| S-617 | Gauge, Wheel—Former Standard 1980 | 1980 | G | |
| S-618 | Gauge, Wheel—Former Standard 1976 | 1976 | G | |
| S-619 | Reference Groove for Multiple-Wear Diesel Wheels | 2015 | G | |
| S-627 | Combined Wheel Gauge | 1998 | G | |
| S-628 | Combined Wheel Gauge | 1998 | G | |
| S-629 | Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge | 1998 | G | |
| S-630 | Steel Wheel Gauge | 2013 | G | |
| S-649 | Axles—Manufacturing Facility Inspection by Technical Services | 2004 | G | |
| S-657 | Wheel, Passenger Car (Amfleet) | 1980 | G | |
| S-658 | Axle for Passenger Cars (Amfleet) Inboard Roller Bearing—Raised Wheel Seat | 2020 | G | |
| S-660 | Wheel Designs, Locomotive and Freight Car—Analytic Evaluation | 2009 | G | |
| S-661 | Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel | 1991 | G | |
| S-662 | Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel | 1991 | G | |
| S-663 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Narrow Flange Wheel Gauge S-661 | 1991 | G | |
| S-664 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Narrow Flange Wheel Gauge S-662 | 1991 | G | |
| S-665 | Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels | 1991 | G | |
| S-666 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Wide Flange Wheel Gauge S-665 | 1991 | G | |
| S-667 | Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels | 1991 | G | |
| S-668 | Gauge, Wheel—Reference Limit Gauge for Verifying AAR 1B Wide Flange Wheel Gauge S-667 | 1991 | G | |
| S-669 | Analytic Evaluation of Locomotive Wheel Designs | 2020 | G | |
| RP-631 | Recommended Wheel Shop Practices | 2022 | G-II | Update Available |
| RP-632 | General Requirements and Information | 2022 | G-II | Update Available |
| RP-633 | Figures | 2022 | G-II | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-634 | Gauges—Wheel and Axle Shop | 2022 | G-II | Update Available |
| RP-750 | Wheel-Mounting Compound Approval Test Procedure | 2015 | G-II | |
| S-659 | Mandatory Rules Governing Wheel Shop Practices as Required by Interchange Rules | 2022 | G-II | Update Available |
| S-727 | Roller Bearing Manual—Appendix A. Approved Materials | 2015 | G-II | |
| M-924 | Journal Roller Bearing Adapters for Freight Cars | 2018 | H | |
| M-934 | Freight Car Journal Roller Bearings | 2021 | H | |
| M-934A | Interchangeable Spacers for Freight Car Tapered-Roller Journal Bearings | 2011 | H | |
| M-934B | Interchangeable Seal Wear Rings for Freight Car Tapered-Roller Journal Bearings | 2011 | H | |
| M-934C | Interchangeable End Caps for Freight Car Tapered-Roller Journal Bearings | 2018 | H | |
| M-934D | Interchangeable Backing Rings for Freight Car Tapered-Roller Journal Bearings | 2007 | H | |
| M-934E | Universal Fitted Backing Rings For Freight Car Tapered-roller Journal Bearings | 2019 | H | |
| M-942 | Journal Roller Bearing Grease | 2020 | H | |
| M-959 | Lubrication Seals for Freight Car Journal Roller Bearings | 2019 | H | |
| S-701 | Locking Plate for Journal Roller Bearing Assemblies | 1997 | H | |
| S-701A | Locking Plate for Journal Roller Bearing Assemblies | 2012 | H | |
| S-702 | Component Parts for Journal Roller Bearing Assemblies | 1998 | H | |
| S-703 | Cap Screws for Journal Roller Bearing Assemblies | 2021 | H | |
| S-704 | Adapter for Use with AAR Standard Pedestal-Type Side | 1968 | H | |
| S-705 | Wear Gauge for Journal Roller Bearing Adapters | 1978 | H | |
| S-706 | Wear Gauge for Journal Roller Bearing Adapters | 1975 | H | |
| S-720 | Tabulation of Adapters and Frame Keys for AAR-Approved Roller Bearings | 2008 | H | |
| S-721 | Roller Bearing Manual—Mandatory Instructions and Practices | 2018 | H-II | |
| S-722 | Roller Bearing Manual—Rules Covering Requirements for Approval of Roller Bearing Shops to Recondition Roller Bearings for Interchange Service | 2012 | H-II | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-723 | Roller Bearing Manual—Mandatory Minimum Requirements for Roller Bearing Reconditioning Shops—Procedures—Tool Requirements Necessary to Make Roller Bearing Repairs for Interchange Use | 2021 | H-II | |
| S-724 | Roller Bearing Manual—Information on Amtrak Passenger Car Bearings | 2012 | H-II | |
| S-725 | Roller Bearing Manual—Manufacture of Interchangeable Roller Bearing Components | 2018 | H-II | |
| S-726 | Roller Bearing Manual—Remanufacture of Roller Bearing Components | 2017 | H-II | |
| M-928 | Highway Trailer Hitches for Freight Cars | 2018 | I | |
| M-928A | Highway Trailer Hitches for Freight Cars with 90,000-lb Maximum Gross Vehicle Weight Capacity | 2018 | I | |
| M-929 | Grease for Lubrication of Trailer Hitches on Flatcars | 2004 | I | |
| M-930 | Containers for Domestic Intermodal Service | 2019 | I | Update Available |
| M-931 | Trailers for Intermodal Service | 2019 | I | Update Available |
| M-933 | Intermodal Trailer and Container Securement | 2018 | I | |
| M-935 | Standard Operating Procedures for Intermodal Securement | 2017 | I | |
| M-952 | Intermodal Container Support and Securement System for Freight Cars | 2008 | I | |
| M-966 | TOFC Portable Bridge Plates | 2004 | I | |
| M-985 | Bad Order Device for Identification of Defective Hitches | 2004 | I | |
| M-998 | Intermodal Container Support and Interbox Connector (IBC) Securement Systems for Freight Cars | 2019 | I | Update Available |
| RP-851 | Double-Stack Container Cars | 2004 | I | |
| RP-852 | Intermodal Equipment Cars | 2003 | I | |
| RP-853 | Trailer Repair and Modification | 2019 | I | Update Available |
| RP-899 | Car Owner's Manual for the Inspection and Maintenance of Double-Stack Container Cars | 2018 | I | |
| S-732 | Inspection and Lubrication of Trailer Hitches on Flatcars | 2016 | I | |
| M-1003 | Specification for Quality Assurance | 2022 | J | Update Available |
| S-9001 | ITC System Reference Architecture | 2012 | K-I | |
| S-9002 | Railroad Electronics Standards Configuration Management | 2009 | K-I | |
| S-9010 | Data Protection | 2019 | K-I | Update Available |
| S-9053 | Positive Train Control ITC System Requirements–Level 0 | 2018 | K-I | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9054 | Positive Train Control ITC System Requirements–Level 1 | 2018 | K-I | Update Available |
| S-9055 | Positive Train Control ITC Communications Segment Requirements—Level 1 | 2013 | K-I | |
| S-9056 | Positive Train Control ITC Wayside System Requirements—Level 1 | 2012 | K-I | |
| S-9057 | Positive Train Control ITC Systems Management Requirements—Level 1 | 2012 | K-I | |
| S-9058 | Interoperable Train Control Ticket Management (ITCTM) Requirements and Use Cases | 2021 | K-I | Update Available |
| S-9070 | I-ETMS Human Machine Interface Standard | 2012 | K-I | |
| S-9074 | Federated Network Requirements | 2020 | K-I | Update Available |
| S-9075 | ISMP Design Considerations | 2022 | K-I | Update Available |
| S-9076 | ITC Systems Management Interoperable Gateway Requirements | 2021 | K-I | Update Available |
| S-9080 | Positive Train Control Interoperability Committee Policy | 2020 | K-I | Update Available |
| S-9081.V1.1 | Positive Train Control (PTC) – Interoperable Train Control (ITC) – Electronic Data Interchange (EDI) Rules Governing the Use of EDI 161, EDI 824 & EDI 418J | 2021 | K-I | Update Available |
| S-9081.V1.2 | Positive Train Control (PTC) – Interoperable Train Control (ITC) – Electronic Data Interchange (EDI) Rules Governing the Use of EDI 161, EDI 824 & EDI 418J | 2021 | K-I | Update Available |
| S-9153 | Common Air Interface (CAI-12) Communications FOR Remote Control Locomotive Systems (RCL) Operating AT 220 Mhz | 2012 | K-II | |
| S-9152 | End-of-Train Communications | 2016 | K-II | Update Available |
| M-9154B | Intra-Consist Communications (ICC) Layer 2 | 2015 | K-II | Update Available |
| M-9154A | Intra-Consist Communications (ICC) Routing Functionality | 2013 | K-II | |
| M-9155.V1 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2014 | K-II | |
| M-9155.V2 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2015 | K-II | Update Available |
| M-9155. V2.1 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2015 | K-II | Update Available |
| M-9155. V2.2 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2016 | K-II | Update Available |
| M-9155. V2.3 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2018 | K-II | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-9155. V2.4 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2019 | K-II | Update Available |
| M-9155. V2.4.1 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2021 | K-II | Update Available |
| M-9155. V2.5 | Locomotive Command and Control Module (LCCM)—Functional Requirements | 2021 | K-II | Update Available |
| S-9101G | Locomotive Data Acquisition and Recording System (LDARS)—Common File Format Standard | 2018 | K-II | Update Available |
| S-9101C | Locomotive Data Acquisition and Recording System (LDARS)—Event Data Acquisition Processor | 2018 | K-II | Update Available |
| S-9101B | Locomotive Data Acquisition and Recording System Architecture | 2011 | K-II | |
| S-9101 | Locomotive Electronics System Architecture | 2019 | K-II | Update Available |
| S-9101E | Locomotive System Integration Communications | 2016 | K-II | Update Available |
| S-9103 | Precision Navigation Module Interface Control Document (ICD) | 2021 | K-II | Update Available |
| RP-9203 | AEI Reader Equipment Requirements | 2010 | K-III | |
| S-9202 | Interoperable Train Control Wayside Interface Unit Requirements | 2012 | K-III | |
| S-9202A | Integrated Wayside Messaging Server Hardware Requirements | 2011 | K-III | |
| S-9202B | Stand-alone Wayside Messaging Server Hardware Requirements | 2012 | K-III | |
| S-9203 | Automatic Equipment Identification | 2010 | K-III | |
| S-9203. V1.1 | Automatic Equipment Identification | 2020 | K-III | Update Available |
| S-9203A | AEI Site-to-Host Consist Report Format | 2009 | K-III | |
| S-9203A. V1.1 | AEI Site-to-Host Consist Report Format | 2020 | K-III | Update Available |
| S-9203B | AEI Site-to-Host Wayside Report Format | 2010 | K-III | |
| S-9353. V1.0 | Railroad Electronics Standards Committee (RESC) Data Dictionary | 2019 | K-IV | Update Available |
| S-9353. V1.1 | Railroad Electronics Standards Committee (RESC) Data Dictionary | 2021 | K-IV | Update Available |
| S-9354 | Edge Message Protocol | 2018 | K-IV | Update Available |
| S-9355 | Class C Messaging | 2010 | K-IV | |
| S-9356 | Class D Messaging | 2018 | K-IV | Update Available |
| S-9357 | Mutually Authenticated Key Exchange | 2019 | K-IV | Update Available |
| S-9358 | Anonymous Key Exchange | 2019 | K-IV | Update Available |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-9359 | Interoperable Certificate Revocation Responder Service | 2019 | K-IV | Update Available |
| S-9361 V3.0 | Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD) | 2020 | K-IV | Update Available |
| S-9361 V3.1 | Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9362 | Interoperable Train Control (ITC) Wayside-Locomotive Interface Control Document (ICD) | 2014 | K-IV | |
| S-9363 | ITC Time and Location—Interface Control Document (ICD) | 2012 | K-IV | |
| S-9364 | I-ETMS® Onboard Segment Data Distribution Messages Interface Control Document (ICD) | 2017 | K-IV | Update Available |
| S-9365 | Locomotive Interface Gateway (LIG) to Positive Train Control (PTC) Interface Control Document (ICD) | 2019 | K-IV | Update Available |
| S-9371.V1.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2014 | K-IV | Update Available |
| S-9371.V2.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2018 | K-IV | Update Available |
| S-9371.V3.0 | PTC Onboard Segment—Energy Management Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9372.V1.0 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2014 | K-IV | Update Available |
| S-9372.V1.1 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2016 | K-IV | Update Available |
| S-9372.V2.0 | PTC Back Office Segment—Energy Managementinterface Control Document (ICD) | 2018 | K-IV | Update Available |
| S-9375 | Centralized Traffic Control (CTC) over Interoperable Train Control Management (ITCM)—Interface Control Document | 2018 | K-IV | Update Available |
| S-9376 | Edge Message Protocol (EMP) Subscribe Message Interface Control Document (ICD) | 2016 | K-IV | Update Available |
| S-9378.V1.0 | Interoperable Train Control Ticket Management (ITCTM) Interface Control Document (ICD) | 2021 | K-IV | Update Available |
| S-9379 | Requirements for Using an ITC EMP Application Gateway | 2018 | K-IV | Update Available |
| S-9382.V1 | Interoperable Asset Access Service | 2022 | K-IV | Update Available |
| M-9453 | ITCSM Asset User Interface Requirements for Interoperable Train Control | 2014 | K-V | |
| RP-9457.V1 | Positive Train Control Interoperable Electronic Train Management System (I-ETMS) Master Test Strategy (MTS) | 2012 | K-V | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-9457.V2 | Interoperable Train Control / Positive Train Control Master Test Strategy (MTS) | 2021 | K-V | Update Available |
| S-9401 | Railroad Electronics Environmental Requirements | 2009 | K-V | |
| S-9451 | ITCSM Common Systems Management Requirements | 2014 | K-V | |
| S-9451A.V1 | ITCSM WIU Asset-Specific Requirements for Interoperable Train Control | 2012 | K-V | |
| S-9451A.V2 | ITCSM WIU Asset-Specific Requirements for Interoperable Train Control | 2021 | K-V | Update Available |
| S-9452 | ITCSM Common Data Dictionary for Interoperable Train Control | 2018 | K-V | Update Available |
| S-9452A.V1 | ITCSM WIU Asset-Specific Data Dictionary for Interoperable Train Control | 2012 | K-V | |
| S-9452A.V2 | ITCSM WIU Asset-specific Data Dictionary for Interoperable Train Control | 2021 | K-V | Update Available |
| S-9454 | ITC System Management (ITCSM) Back Office Requirements for Interoperable Train Control | 2014 | K-V | |
| S-9460 | ITCSM Interface Control Document for Interoperable Train | 2018 | K-V | Update Available |
| RP-9511 | Interoperable Train Control (ITC) Onboard Track Database Field Survey and Validation | 2019 | K-VI | Update Available |
| S-9501 | PTC Data Model Definition | 2018 | K-VI | Update Available |
| S-9502.V1.0 | PTC Track Data Exchange | 2020 | K-VI | Update Available |
| S-9502.V1.1 | PTC Track Data Exchange | 2020 | K-VI | Update Available |
| S-9503 | Interoperable Electronic Train Management System®<br>(I-ETMS) Subdivision File | 2015 | K-VI | Update Available |
| S-9552 | Railroad Communications Network | 2004 | K-VI | |
| S-9553 | Communications System Architecture | 2002 | K-VI | |
| S-9553A | Mobile Communications Package | 2002 | K-VI | |
| S-9553B | Front End Processor | 2002 | K-VI | |
| S-9553C | Cluster Controller | 2002 | K-VI | |
| S-9553D | Base Communications Package | 2002 | K-VI | |
| S-9555 | Railroad Use of IEEE 802.11 | 2015 | K-VI | Update Available |
| S-9556 | AAR Channel Plan for VHF Frequencies from 160.215 MHz to 161.565 MHz | 2013 | K-VI | |
| S-9557 | Interoperable Train Control (ITC) Radio Identification Format | 2015 | K-VI | Update Available |
| S-9558.V1.0 | Interoperable IP Network Address Allocations | 2021 | K-VI | Update Available |
| M-916 | Sand for Traction | 2017 | M | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-1005 | Locomotive Electronics Safety Assessments and Analyses | 2018 | M | |
| M-1006 | Passenger Equipment Performance Specification | 2019 | M | |
| RP-503 | Locomotive Diesel Fuel Additives and Fuel Savings Devices—Evaluation Procedure | 2016 | M | |
| RP-505 | Typical 26-L Type Brake Equipment Piping Diagrams for Locomotives | 2001 | M | |
| RP-508 | Air Brake Exhaust Piping | 2001 | M | |
| RP-509 | Braking Ratios for Locomotives | 2001 | M | |
| RP-512 | Color Code for Identifying Fluids on Locomotive | 2001 | M | |
| RP-514 | Designation of Sides and Ends of Locomotives | 2001 | M | |
| RP-518 | Brake Shoe Unflanged | 2001 | M | |
| RP-545 | Testing Electrical Components (RETIRED 01/04/2021) | 2001 | M | Update Available |
| RP-546 | Minimum Requirements for Main Reservoir System on New and Rebuilt Diesel-Electric, Electric, and Gas Turbine Locomotives of 800-hp Capacity and Greater | 2001 | M | |
| RP-548 | Locomotive Rating Train/Track Resistance | 2001 | M | |
| RP-557 | Spark Arrester | 2001 | M | |
| RP-585 | Wiring and Cable Specification | 2001 | M | |
| RP-586 | Wire and Cable Insulating Material—Moisture-Resisting Jacketed | 2005 | M | |
| RP-587 | Wire and Cable Insulating Material—Silicone Rubber Insulated | 2005 | M | |
| RP-588 | Wire and Cable Insulating Material | 2001 | M | |
| RP-589 | Rating for Specific Fuel Consumption of Diesel Electric Locomotives | 2022 | M | Update Available |
| RP-590 | Lead-Acid Batteries and Compartments | 2001 | M | |
| RP-599 | Brake Shoes—High-Friction Composition Type for Locomotives | 2001 | M | |
| RP-2001 | Interoperability Requirements—Movement of Passenger Equipment on Freight Railroads | 2019 | M | |
| RP-2002 | Interoperability Requirements—Operation of Regularly Scheduled Revenue Passenger Service | 2019 | M | |
| RP-5107 | Access Doors to Light Boxes for Road Number, Headlight, or Warning Lights—Outside Cab | 2001 | M | |
| RP-5115 | Cushion Pad—Locomotive Cab Door Frame | 2001 | M | |
| RP-5117 | Door Closure Bar—Locomotive Cab | 2001 | M | |
| RP-5120 | Flexible Hinge Guard on Locomotive Cab Door | 2001 | M | |

**Note:** Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

EFFECTIVE 07/29/2022

| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-5122 | Locomotive Horn Valve Handle with Soft, Resilient-Type Rubber Cover | 2001 | M | |
| RP-5124 | Padded Sun Visor in Locomotive Cab—Engineer's Side Only | 2001 | M | |
| RP-5126 | Recessed Windshield Wiper Valve, Train-Order Light Switch, and Flush-Mounted Train-Order Light | 2001 | M | |
| RP-5127 | Rounded Cab Window Latch in Locomotive Cabs | 2001 | M | |
| RP-5128 | Rounding All Possible Exposed Convex Edges and Corners | 2001 | M | |
| RP-5132 | Diesel Locomotive Control Stand for New Locomotives | 2001 | M | |
| RP-5136 | Windshield Wiper Motor Handle with Soft-Rubber-Type Grip | 2001 | M | |
| RP-5137 | Windshield Wiper Motor Protective Cover | 2001 | M | |
| RP-5209 | Basic Brake Design Data for Freight Locomotives | 1999 | M | |
| RP-5503 | Locomotive Fueling Interface | 2001 | M | |
| RP-5523 | Axle Nomenclature Arrangement—Locomotives | 2001 | M | |
| RP-5595 | Main Reservoir Equalizing End Hose Coupling | 2001 | M | |
| RP-5596 | Brake Shoes—Metal Type | 2001 | M | |
| S-512 | 27-Point Control Plug and Receptacle | 2007 | M | |
| S-580 | Locomotive Crashworthiness Requirements | 2020 | M | |
| S-591 | Locomotive System Integration Operating Display | 2020 | M | |
| S-5018 | Dynamic Braking Control | 2020 | M | |
| S-5019 | Locomotive Definitions | 2019 | M | |
| S-5020 | Color Code for Identifying Fluids on Locomotive | 2015 | M | |
| S-5021 | Wheel Size and Speed Pickup Axle Identification | 2016 | M | |
| S-5022 | Ultra-Low Sulfur Diesel (ULSD) Identification Label/Decal | 2015 | M | |
| S-5101 | Locomotive Cab Window Glazing Material | 2002 | M | |
| S-5500 | Locomotive Interchange Agreement | 2007 | M | |
| S-5502 | Automatic Engine Start/Stop System | 2011 | M | |
| S-5506 | Performance Requirements for Diesel Electric Locomotive Fuel Tanks | 2001 | M | |
| S-5507 | Remote Control Locomotives | 2002 | M | |
| S-5509 | Locomotive Dynamic Brake Status Reporting | 2018 | M | |
| S-5512 | Locomotive Event Recorder Download Standard (RETIRED 02/22/2021) | 2021 | M | Update Available |
| S-5513 | Locomotive Alerter Requirements | 2021 | M | Update Available |
| S-5514 | Locomotive Operator Control Symbols | 2011 | M | |

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EFFECTIVE 07/29/2022

| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-5515 | LED Lighting for Locomotives | 2017 | M | |
| S-5516 | LED Headlights and Auxiliary Lighting for Locomotives | 2020 | M | |
| S-5520 | Locomotive Cab Securement | 2014 | M | |
| S-5529 | Multiple Unit Pneumatic Brake Equipment for Locomotives | 2008 | M | |
| S-5530 | Locomotive Headlight Control | 2018 | M | |
| S-5531 | Remote Monitoring Equipment, Locomotive—Installation | 2019 | M | |
| S-5597 | Air Flow Indicators | 2007 | M | |
| S-5598 | Calibration Procedure for AFM Type Air Flow Indicators | 2007 | M | |
| M-941 | End Enclosure for Fully Enclosed Multi-Level Auto Rack Cars | 1998 | N | |
| M-950 | Universal Wide-Body Tri-Level Fully Enclosed Autorack Car (Low Deck) | 2022 | N | Update Available |
| M-950-A | Universal Wide-Body Bi-Level Fully Enclosed Autorack Car (Standard Deck) | 2018 | N | |
| M-951 | Portable Bridge Plates for Multi-Level Autorack Cars | 2020 | N | Update Available |
| M-956 | Requirements Governing Superstructures to Cars Equipped With Sliding Sill or End-of-Car Cushioning Devices | 1994 | N | |
| M-957 | Tie-Down Tracks, Winches, and Chains | 1997 | N | |
| M-970 | Condition-Based Certification of Multi-Level Auto Rack Cars | 2022 | N | Update Available |
| M-971 | Non-Grease Lubricant for Autorack Equipment | 2002 | N | |
| M-990 | Tie-Down Tracks, Wheel Chocks, and Straps (Tri-Level Autoracks) | 2016 | N | |
| M-991 | Vehicle Door Edge Protection System for Multi-Level Autorack Cars | 2021 | N | Update Available |
| M-992 | Designated Satellite Shop Repair Specifications for Multi-Level Autorack Cars | 2019 | N | |
| M-993 | Mechanical Certification of Flatcars for Autorack Service | 1996 | N | |
| RP-802 | Wheel Chock Strap Assembly Replacement | 1996 | N | |
| RP-803 | Ride Quality Performance Requirements for Motor Vehicle Shipments | 2014 | N | |
| RP-804 | Measurement Requirements for Remote Ride Quality Monitoring | 1996 | N | |
| RP-810 | Handling and Inspection of Vehicles Before Loading | 2013 | N | |

**Note:** Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| RP-811 | Loading of Vehicles | 2015 | N | |
| RP-812 | Handling and Inspection of Multi-Level Cars and Equipment After Loading | 1994 | N | |
| RP-813 | Handling of Multi-Level Cars in Trains and Yards | 1994 | N | |
| RP-814 | Inspection of Multi-Levels and Vehicles En Route | 1994 | N | |
| RP-815 | Railroad Police Protection | 1994 | N | |
| RP-816 | Unloading of Vehicles | 2006 | N | |
| RP-817 | Destination Inspections | 1994 | N | |
| RP-818 | Handling of Multi-Level Cars and Equipment Afier Unloading | 1997 | N | |
| RP-830 | Form Preparation for Vehicle Inspection | 2014 | N | |
| RP-831 | Standard Vehicle Nomenclature | 2015 | N | |
| S-810 | Field Impact and Over-the-Road Tests of Multi-Level Tie-down Equipment and/or Methods | 2021 | N | Update Available |
| S-815 | Tie-Down Chain Assemblies for Multi-Level and Other Flat Cars, Refurbished High Test Grade 43 or Alloy Grade 80 | 1994 | N | |
| M-105 | Forgings, Carbon Steel Blooms, Billets, and Slabs | 1964 | S | |
| M-126 | Forgings, Carbon Steel | 1968 | S | |
| M-127 | Forgings, Alloy Steel | 1964 | S | |
| M-131 | Blooms, Billets, and Slabs—Alloy Steel | 1964 | S | |
| M-201 | Castings, Steel | 2018 | S | |
| M-202 | Truck Bolsters, Cast or Structural—Design and Testing | 2021 | S | |
| M-203 | Truck Side Frames, Cast Steel—Design and Testing | 2021 | S | |
| M-203A | Bolster Design Loads | 1997 | S | |
| M-204 | Truck, Freight Car, with Car Body/Side Frame Load Path—Design and Testing | 2011 | S | |
| M-205 | Yoke, Coupler—Test Requirements | 2003 | S | |
| M-210 | Side Frame and Bolsters, AAR Approved—Purchase and Acceptance | 2021 | S | |
| M-211 | Foundry and Product Approval Requirements for the Manufacture of Couplers, Coupler Yokes, Knuckles, Follower Blocks, and Coupler Parts | 2022 | S | Update Available |
| M-212 | Couplers and Yokes, Secondhand—Classification and Reconditioning Procedure | 2016 | S | |
| M-213 | Truck Frames, Fabricated Steel | 2018 | S | |
| M-214 | Side Frames and Bolsters, Used and Reconditioned—Classification and Repair Procedure | 2020 | S | |
| M-215 | Coupling Systems | 2018 | S | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| M-216 | Knuckles, Types E and F—Fatigue Test | 2016 | S | |
| M-220 | Casting Component Nondestructive Testing Requirements | 2022 | S | Update Available |
| M-975 | Span Bolsters | 2020 | S | |
| S-300 | Truck, Freight Car—Design Data | 2016 | S-II | |
| S-301 | Truck, 33-in. Wheels—Design Dimensions | 2018 | S-II | |
| S-302 | Truck, 36 in. Wheels—Design Dimensions | 2018 | S-II | |
| S-304 | Truck, 38 in. Wheels—Design Dimensions | 2018 | S-II | |
| S-310 | Bolster, 14 in. Center Plate—Limiting Outline | 1979 | S-II | |
| S-311 | Bolster, 16 in. Center Plate—Limiting Outline | 2009 | S-II | |
| S-312 | Bolster, Truck—Marking Diagram | 2014 | S-II | |
| S-314 | Side Frame, Truck—Marking Diagram | 2014 | S-II | |
| S-316 | Bolster—Tolerances | 1981 | S-II | |
| S-317 | Side Frame—Tolerances | 1981 | S-II | |
| S-318 | Side Frame—Bolster Rotation Stop Lug | 1965 | S-II | |
| S-319 | Side Frame—Wide Land Rotation Stop Lug Column | 1968 | S-II | |
| S-325 | Side Frame, Narrow Pedestal—Limiting Dimensions | 2009 | S-II | |
| S-327 | Side Frame—Roof Repair | 2012 | S-II | |
| S-329 | Side Frame, Narrow Pedestal—Roller Bearing | 1997 | S-II | |
| S-366 | Unit Guide Bracket, EC-2055—Design Dimensions | 2009 | S-II | |
| S-378 | Side Frame, Cast Steel—Marking and Mating | 2010 | S-II | |
| S-392 | Truck—Design Drawings | 2018 | S-II | |
| S-393 | Side Frames and Bolsters—Produced Prior to 1978 | 2001 | S-II | |
| S-3010 | Side Frame, Standard Pedestal-Type with Side Frame Key—Limiting Dimensions | 1947 | S-II | |
| S-3011 | Side Frame, Standard Pedestal-Type Size 6 in. × 11 in. with Side Frame Key—Limiting Dimensions | 1997 | S-II | |
| S-3012 | Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit | 1994 | S-II | |
| M-932 | Coupler Centering Device Specification | 2003 | S-III | |
| M-961 | Uncoupling Devices, Special | 2003 | S-III | |
| S-102 | Coupler, E Type, Standard and Alternate Standard, E60DE and E60EE | 2020 | S-III | |
| S-103 | Coupler, E Type, Top and Bottom Shelf, Standard and Alternate Standard, SE60DE and SE60EE | 2020 | S-III | |
| S-105 | Coupler, E Type, Detail Parts | 2021 | S-III | Update Available |

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EFFECTIVE 07/29/2022

| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-106 | Coupler, E Type, No. 10-A Contour and Detail of Pivot Pin Hole | 2003 | S-III | |
| S-107 | Coupler, E Type, Standard and Alternate Standard, E67CE and E67DE | 2020 | S-III | |
| S-108 | Coupler, E/F Type, Standard and Alternate Standard, E68CE and E68DE | 2020 | S-III | |
| S-109 | Coupler, E/F Type, Standard and Alternate Standard, E69BE and E69CE | 2020 | S-III | |
| S-110 | Coupler, F Type, Standard F Coupler, F70DE | 2009 | S-III | |
| S-111 | Coupler, F Type, with Top Shelf, Standard, SF70DE | 2003 | S-III | |
| S-112 | Coupler, F Type, Standard, F73BE | 2003 | S-III | |
| S-114 | Coupler, F Type, Standard, F79DE | 2003 | S-III | |
| S-115 | Coupler, F Type, with Top Shelf, Standard, SF79DE | 2003 | S-III | |
| S-116 | Coupler, F Type, Interlocking, Coupler and Yoke Parts | 2003 | S-III | |
| S-117 | Coupler Contour, F Type, Interlocking | 2003 | S-III | |
| S-129 | Couplers—Arrangement of Operating Mechanisms | 2000 | S-III | |
| S-130 | Coupler, E Type, Articulated Rotor Lever Assembly | 2003 | S-III | |
| S-131 | Coupler (Rotary), Type E60, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel | 2016 | S-III | |
| S-132 | Operating Mechanism, Type No. 6, Interlocking | 2003 | S-III | |
| S-133 | Coupler (Rotary), Type F70, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel | 2016 | S-III | |
| S-134 | Coupler (Rotary), Types E60, E67, and F70, Operating Rod for Use with Standard Draft Gear or End-of-Car Cushioning up to 15-in. Total Travel | 2016 | S-III | |
| S-137 | Coupler Shank Wear Plates and Application | 2000 | S-III | |
| S-139 | Yokes, Relief Fillets | 2003 | S-III | |
| S-141 | Yoke, E Type, Y40AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2009 | S-III | |
| S-142 | Yoke, E Type, Y41AE for 36-in. Draft Gear Pocket | 2009 | S-III | |
| S-143 | Yoke, E Type, SY40AE or YS93AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2009 | S-III | |
| S-149 | Yoke, E/F and F Type, Y45AE, Standard, for 24 5/8-in. Draft Gear Pocket | 2003 | S-III | |
| S-151 | Yoke, E/F Type, Y49AE, Standard, for 36-in. Draft Gear Pocket | 2003 | S-III | |
| S-154 | Coupler, E Type, SE67CE and SE67DE, Top and Bottom Shelf | 2020 | S-III | |

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| Standard | Subject | Last Revised | Section | Circulars? |
|---|---|---|---|---|
| S-155 | Coupler, E/F Type, SE68CE and SE68DE, Top and Bottom Shelf | 2020 | S-III | |
| S-163 | Coupler, E Type, SBE60DE and SBE60EE, Bottom Shelf | 2020 | S-III | |
| S-164 | Coupler, E Type, SBE67CE and SBE67DE, Bottom Shelf | 2020 | S-III | |
| S-165 | Coupler, E/F Type, SBE68CE and SBE68DE, Bottom Shelf | 2020 | S-III | |
| S-170 | Coupler, E/F Type, SBE69BE and SBE69CE, Bottom Shelf | 2020 | S-III | |
| S-172 | Coupler, E/F Type, SE69BE and SE69CE, Top and Bottom Shelf | 2020 | S-III | |
| S-173 | Coupler, E Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions | 2003 | S-III | |
| S-174 | Coupler, F Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions | 2003 | S-III | |
| S-176 | Yoke, E Type, Cushioning, for Pocket EOC-7 | 2020 | S-III | |
| S-177 | Yoke, E Type, Cushioning, for Pocket EOC-8 | 2020 | S-III | |
| S-178 | Yoke, F Type, Cushioning, for Pocket EOC-9 | 2020 | S-III | |
| S-179 | Yoke, F Type, Cushioning, for Pocket EOC-10 and EOC 26 | 2020 | S-III | |
| S-180 | Yoke, F Type, Cushioning, for Pocket EOC-1, EOC-2, and EOC-16 | 2020 | S-III | |
| M-1004 | Specifications for Fuel Tenders | 2022 | T | Update Available |
| S-5025 | Gaseous Supply Hose Unit for Fuel Tenders | 2017 | T | Update Available |
| S-5026 | Heat Exchange Fluid Hose Unit for Fuel Tenders | 2017 | T | Update Available |
| S-5027 | 21-Point Control Plug, Cable Assembly, and Receptacle (TC-21 Tender Control Cable) | 2022 | T | Update Available |
| S-5028 | Safety Appliance Requirements for Tank Car-style Fuel Tenders | 2020 | T | Update Available |
| S-5029 | Safety Appliance Requirements for Intermodal Car-style Fuel Tenders | 2020 | T | Update Available |
| S-5030 | Safety Appliance Requirements for Enclosed Car Body-style Fuel Tenders | 2020 | T | Update Available |
| S-5031 | Tender-fill Control Cable FC-18 | 2020 | T | Update Available |
| S-5032 | Tender-fill Ethernet Cable (FC-8) | 2020 | T | Update Available |

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# ARCHIVED/RENUMBERED DOCUMENTS

This table provides historical reference information for documents that have been archived or renumbered.

| DocNo. | Title | Change |
|---|---|---|
| M-112 | Springs-Carbon Steel Bars, plate Steel-Bars, Truck Springs | Archived 02/23/2007 via C-10469 |
| M-113 | Springs-Elliptical, Leaf style Steel-Bars and Bands for Elliptical Springs | Archived 02/23/2007 via C-10469 |
| M-504 | Copper-Tubes, Types A and B Tubes-Copper, Seamless | Archived 02/23/2007 via C-10469 |
| M-604 | Hose-Cold Water, Wrapped, Braided | Archived 02/23/2007 via C-10469 |
| M-605 | Hose-Steam and Hot Water | Archived 02/23/2007 via C-10469 |
| M-608 | Hose-Air, Pneumatic Tools | Archived 02/23/2007 via C-10469 |
| M-617 | Hose-Fuel Oil Dispensing | Archived 02/23/2007 via C-10469 |
| M-901C | Draft Gear—36 in. Pocket | Archived 10/23/2006 via C-10375 |
| M-901H | Draft Gear—Impact Testing, Alternate Standard | Archived 10/23/2006 via C-10375 |
| M-907 | Lumber-Classification Lumber-Nomenclature, Schedule, Grading Wood-Lumber Nomenclature, Grading, Sizes | Archived 08/10/2007 via C-10569 |
| M-907A | Flooring—Laminated Wood | Archived 08/10/2007 via C-10569 |
| M-922 | Cap Screws-Self Locking Nuts-Self Locking | Archived 02/23/2007 via C-10469 |
| M-945 | Adjustable Bulkheads Pneumatic Type for Box Cars | Archived 02/23/2007 via C-10467 |
| M-946 | For Adjustable Bulkheads Non-Pneumatic Type for Box Cars | Archived 02/23/2007 via C-10467 |
| M-953 | Minimum Requirement Standard for Railroad Flatcars for Handling farm and Industrial Equipment | Archived 04/30/2008 via C-10721 |
| M-960 | Adjustable Column Type Bulkheads for Box Cars | Archived 02/23/2007 via C-10467 |
| M-962 | Remanufacture of TOFC Trailers | Archived 11/02/2017 via C-12983 |
| RP-011 | Car Rack for Mounted Wheel Sets Flat Car Rack for Mounted Wheels Mounted Wheels-Rack for Shipment Rack-Wheel Sets, Shipments | Archived 02/23/2007 via C-10469 |
| RP-012 | Rivet-Two Piece, Safety Appliance Safety Appliance-Two Piece Rivet Two Piece Rivet-Safety Appliances | Archived 02/23/2007 via C-10469 |
| RP-021 | Implementation of Equipment Identification and Warranty Administration | Archived 10/27/17 via C-12977 |
| RP-202 | Center Plate-Unit Pressures | Archived 02/23/2007 via C-10467 |
| RP-203 | Door-Stock Car | Archived 02/23/2007 via C-10467 |
| RP-204 | Lumber-Moisture Content | Archived 08/10/2007 via C-10569 |
| RP-205 | Car-Lumber Lining Boards | Archived 02/23/2007 via C-10467 |
| RP-207 | Defect Card Receptacle | Archived 03/23/2011 via C-11409 |
| RP-210 | Alcohol Burning Heater | Archived 02/23/2007 via C-10467 |
| RP-211 | Refrigerator Car Drain Extension | Archived 02/23/2007 via C-10467 |
| RP-212 | Boxcar, Insulated—Heat Transmission Rate | Archived 04/16/2007 via C-10486 |

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| DocNo. | Title | Change |
|---|---|---|
| RP-220 | Stringer-Arrangement, Box Car | Archived 02/23/2007 via C-10467 |
| RP-222 | Univ. Pocket-Cushion 15", E6OCHT Coupler | Archived 02/23/2007 via C-10467 |
| RP-223 | Univ. Pocket-Cushion 10, EGOCHT, E67AH'T | Archived 02/23/2007 via C-10467 |
| RP-224 | Univ. Pocket-Cushion 15", E67AHT Coupler | Archived 02/23/2007 via C-10467 |
| RP-225 | Univ. Pocket-Cushion 1 0 , E68AHT, F79AHT | Archived 02/23/2007 via C-10467 |
| RP-226 | Univ. Pocket-Cushion 10" E69HTE Coupler | Archived 02/23/2007 via C-10467 |
| RP-229 | Liquefied Petroleum Cylinder | Archived 02/23/2007 via C-10467 |
| RP-230 | Cradle Blocking, Cax Dumping Machine | Archived 02/23/2007 via C-10467 |
| RP-235 | Bolster-Body, Box Car | Archived 02/23/2007 via -10467 |
| RP-236 | Bolster-Body, Diagonal Brace, Hopper Car | Archived 02/23/2007 via C-10467 |
| RP-237 | Crossbearer-Box Car | Archived 02/23/2007 via C-10467 |
| RP-238 | Hopper Car-Crossbearer | Archived 02/23/2007 via C-10467 |
| RP-239 | Box Car-Crosstie | Archived 02/23/2007 via C-10467 but reinstated as S-239, its former number, 02/04/2012 via C-11615 |
| RP-240 | Door-Single, Sliding, Panel Type | Archived 02/23/2007 via C-10467 |
| RP-241 | Door-Double, Sliding, Panel Type | Archived 02/23/2007 via C-10467 |
| RP-242 | Door-Single, Plug, No. 3 Type | Archived 02/23/2007 via C-10467 |
| RP-243 | Door-Plug and Sliding No.3 Type | Archived 02/23/2007 via C-10467 |
| RP-244 | Door Arrangement Double Plug Type No. 3 | Archived 02/23/2007 via C-10467 |
| RP-245 | Gondola Car-End Arrangement | Archived 02/23/2007 via C-10467 |
| RP-246 | Gondola Car-Drop End Arrangement | Archived 02/23/2007 via C-10467 |
| RP-247 | Box Car-End Arrangement | Archived 02/23/2007 via C-10467 |
| RP-248 | Hopper Car-End Arrangement | Archived 02/23/2007 via C-10467 |
| RP-249 | Box Car-Grain Door Nailers | Archived 02/23/2007 via C-10467 |
| RP-250 | Hopper Arrangement-Cast Steel Frame | Archived 02/23/2007 via C-10467 (formerly S-250) |
| RP-251 | Hopper Arrangement-Two Piece Hopper | Archived 02/23/2007 via C-10467 (formerly S-251) |
| RP-252 | Roof Arrangement-Diagonal Panel, Box Car | Archived 02/23/2007 via C-10467 |
| RP-253 | Refrigerator Car Specifications | Archived 02/23/2007 via C-10467 |
| RP-254 | Anti-Pilferage Device—Boxcar Sliding Door | Renumbered S-2049 4/25/2007 |
| RP-255 | Anti-Pilferage Device—Boxcar Plug Door | Renumbered S-2050 4/25/2007 |
| RP-256 | Floor Restraint, Intermodal Container Cars | Archived 02/23/2007 via C-10467 |
| RP-257 | Rail Compatible Vehicles | Archived 02/23/2007 via C-10467 |
| RP-260 | Double-Stack Container Cars | Archived 02/23/2007 via C-10467 |
| RP-261 | Center Bowl Liner and Lubricant—Double-Stack Container Car | Archived 11/25/2019 via C-13477 |
| RP-300 | Center Plate—Liner, Vertical 6 in. × 11 in. | Archived 07/14/2011 via C-11472 |
| RP-301 | Center Plate—Liner, Vertical 6 in. × 11 in. | Archived 07/14/2011 via C-11472 |
| RP-305 | | Archived 07/14/2011 via C-11472 |
| RP-5104 | Locomotive Cab Seats | Archived 1/27/2016 via C-12559 |

EFFECTIVE 07/29/2022

| DocNo. | Title | Change |
|---|---|---|
| RP-512 | Color Code for Identifying Fluids on Locomotive | Renumbered S-5020 |
| RP-545 | Testing Electrical Components | Archived 01/04/2021 via C-13731 |
| RP-619 | Reference Groove for Multiple-Wear Diesel Wheels | Renumbered S-619 |
| RP-750 | Wheel Mounting Compound Approval Test Procedure | Archived 03/06/17 via C-12839 |
| RP-800 | Standards for Reconditioned Cross members and Doorway Members | Archived 02/23/2007 via C-10467 |
| RP-900 | Passenger Car | Archived 08/06/2020 via C-13630 |
| RP-901 | Boxcars Equipped with Removable Crossbars | Archived 08/06/2020 via C-13630 |
| RP-902 | Cars Equipped with Antipilferage Devices | Archived 08/06/2020 via C-13630 |
| RP-903 | Lading Strap Anchors | Archived 08/06/2020 via C-13630 |
| RP-904 | Gondola Cars with Wood Floors | Archived 08/06/2020 via C-13630 |
| S-045 | Passenger Equipment Car Maintenance Requirements | Renumbered S-4045 |
| S-118 | Periodic Inspection of Manufacturers' Facilities | Archived 06/20/2007 via C-10541 |
| S-122 | Draft Key Retainer | Archived 02/16/2011 via C-11381 |
| S-2017 | Striker—Casting | Renumbered RP-2017 02/23/2007 via C-10467 |
| S-2018 | Striker—E Coupler, 24 5/8 in. Riveted | Archived 02/23/2007 via C-10467 |
| S-2019 | Striker—E Coupler, 36 in. Riveted | Archived 02/23/2007 via C-10467 |
| S-202 | Coupler Height | Archived 02/23/2007 via C-10467 |
| S-2021 | Striker—E67 Coupler, 36 in. Welded | Archived 02/23/2007 via C-10467 |
| S-2022 | Refrigerator Car—Brine Valve Operation | Archived 02/23/2007 via C-10467 |
| S-2024 | Refrigerator and Power Unit Data | Archived 02/23/2007 via C-10467 |
| S-2026 | Plate B—Equipment Diagram for Unrestricted Interchange Service | Archived 7/31/2017 via C-12935 |
| S-2027 | Plate B-1—Maximum Width of Cars with Various Truck Centers | Archived 7/31/2017 via C-12935 |
| S-2028 | Plate C—Equipment Diagram for Limited Interchange Service | Archived 7/31/2017 via C-12935 |
| S-2029 | Plate C-1—Maximum Width of Cars with Various Truck Centers | Archived 7/31/2017 via C-12935 |
| S-2030 | Plate D—Obtaining Maximum Allowable Width of Car, Other Than at Centerline of Car, for Unrestricted (Plate B-1) and Limited (Plates C-1, H-1, J-1, and K-1) Interchange Service | Archived 7/31/2017 via C-12935 |
| S-2031 | Plate E—Equipment Diagram for Limited Interchange Service | Archived 7/31/2017 via C-12935 |
| S-2032 | Plate F—Equipment Diagram for Limited Interchange Service | Archived 7/31/2017 via C-12935 |
| S-2040 | Plate H—Equipment Diagram for Limited Interchange Service | Archived 7/31/2017 via C-12935 |

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| DocNo. | Title | Change |
|---|---|---|
| S-2041 | Plate H-1—Maximum Width of Cars with Various Truck Centers | Archived 7/31/2017 via C-12935 |
| S-2047 | Plate J—Equipment Diagram for Limited Interchange Service | Archived 7/31/2017 via C-12935 |
| S-2048 | Plate K—Clearance Diagram for Limited Interchange Service | Archived 7/31/2017 via C-12935 |
| S-205 | Center Plate—Body Cast Integral | Archived 02/23/2007 via C-10467 |
| S-2051 | Plate J1—Maximum Width of Cars withVarious Truck Centers | Archived 7/31/2017 via C-12935 |
| S-2052 | Plate K1—Maximum Width of Cars withVarious Truck Centers | Archived 7/31/2017 via C-12935 |
| S-209 | Center Plate—Cast Steel or Forged | Archived 02/23/2007 via C-10467 |
| S-210 | Center Plate—Gage, 12 in. Diameter | Archived 02/23/2007 via C-10467 |
| S-216 | Door Posts and Reinforcements | Archived 02/23/2007 via C-10467 |
| S-218 | Door—Box Car End | Archived 02/23/2007 via C-10467 |
| S-221 | Safety Appliance—Multi-Level Open or Screened Rack Car | Archived 02/23/2007 via C-10467 |
| S-227 | Car—Lumber Sections | Archived 04/16/2007 via C-10467 |
| S-228 | Flat Car—Platform Width | Archived 02/23/2007 via C-10467 |
| S-231 | Meat Hook—Refrigerator Car | Archived 02/23/2007 via C-10467 |
| S-237 | Striker—F Coupler, 24 in. Riveted | Archived 02/23/2007 via C-10467 |
| S-239 | Draft Arrangement—E60 Coupler 24 in. Pocket | Renumbered RP-239 |
| S-240 | Draft Arrangement—E60 Coupler 24 in. Pocket, Former Standard | Archived 02/23/2007 via C-10467 |
| S-241 | Draft Arrangement—E67 Coupler 36 in. Pocket | Archived 02/23/2007 via C-10467 |
| S-242 | Draft Arrangement—E67 Coupler 36 in. Pocket, Former Standard | Archived 02/23/2007 via C-10467 |
| S-246 | Draft Arrangement—F70 Coupler, 24 in. Pocket (Riveting) | Archived 02/23/2007 via C-10467 |
| S-248 | Draft Arrangement—F79 Coupler 36 in. Pocket | Archived 02/23/2007 via C-10467 |
| S-250 | Center Filler—Rear Draft Lugs | Renumbered RP-250 02/23/2007 via C-10467 |
| S-251 | Bellmouth Striker—FC&F, P/S Thrall | Renumbered RP-251 02/23/2007 via C-10467 |
| S-256 | Body Bolster—Center Filler, Tolerances Integral Center Plate | Archived 02/23/2007 via C-10467 |
| S-257 | Body Bolster—Center Filler, Tolerances Die Pressed | Archived 02/23/2007 via C-10467 |
| S-260 | Bolster—Body, Center Filler 4 ft 11 in. OH | Archived 02/23/2007 via C-10467 |
| S-261 | Bolster—Body, Center Filler 5 ft 5 5/8 in. OH | Archived 02/23/2007 via C-10467 |
| S-262 | Bolster—Body, Center Filler 4 ft 11 in. OH | Archived 02/23/2007 via C-10467 |
| S-263 | Bolster—Body, Center Filler 5 ft 5 5/8 in. OH | Archived 02/23/2007 via C-10467 |
| S-268 | Corner Push Pad and Roping Staple—Hopper | Archived 02/23/2007 via C-10467 |
| S-275 | Door—End Door, Auto Box Car | Archived 02/23/2007 via C-10467 |

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| DocNo. | Title | Change |
|---|---|---|
| S-3004 | Truck Center Plate Liners or Wear Plates | Archived 11/25/2019 via C-13477 |
| S-305 | Center Plate Liner, Horizontal and Vertical | Archived 07/14/2011 via C-11472 |
| S-4022 | Pipe, Other than Schedule 80 Iron | Archived 04/16/2020 via C-13532 |
| S-5021 | Wheel Size and Speed Pickup Axle Identification | Archived 12/02/2016 via C-12763 |
| S-5510 | Plate L-Lomotive Diagram for Interchange Service | Archived 7/31/2017 via C-12935 |
| S-5511 | Locomotive-Based Top-of-Rail Friction Control Application | Archived 11/26/13 and again 8/5/15 via C-12429 |
| S-590 | Locomotive Electronics System Architecture | Archived 08/05/2015 via C-12430 |
| S-729 | Lubrication, Roller Bearing | Archived 03/06/2017 via C-12839 |
| S-730 | Lubrication, Center Plates | Archived 03/06/2017 via C-12839 |
| S-731 | Lubrication, Doors | Archived 03/06/2017 via C-12839 |
| S-732 | Inspection and Lubrication of Bulkheads in Freight Cars | Archived 03/06/2017 via C-12839 |
| S-733 | Inspection and Lubricationof Bulkheads in Freight Cars | Archived 03/06/2017 via C-12839 |
| S-734 | Lubrication, Tie-Down Devices on Multi-Level Automobile rack and Flatcars | Archived 03/06/2017 via C-12839 |
| S-736 | Inspection and Lubrication, Hand Brakes | Archived 03/06/2017 via C-12839 |
| S-808 | Interior Dunnage Equipment—Deck Boards | Archived 02/23/2007 via C-10467 |
| S-809 | Standardization of Saddleback Cars | Archived 02/23/2007 via C-10467 |
| S-813 | Device for Opening and Closing Side Doors on Boxcars | Archived 02/23/2007 via C-10467 |
| S-814 | Portable Bridge Plate for Saddleback Flatcars | Archived 02/23/2007 via C-10467 |
| S-900 | Flatcar—Class F | Archived 08/06/2020 via C-13630 |
| S-901 | Gondola Car—Class G | Archived 08/06/2020 via C-13630 |
| S-902 | Hopper Car—Class H | Archived 08/06/2020 via C-13630 |
| S-903 | Special Car—Class L | Archived 08/06/2020 via C-13630 |
| S-904 | Caboose—Class N | Archived 08/06/2020 via C-13630 |
| S-905 | Refrigerator Car—Class R | Archived 08/06/2020 via C-13630 |
| S-907 | Tank Car—Class T | Archived 08/06/2020 via C-13630 |
| S-908 | Boxcar—Class X | Archived 08/06/2020 via C-13630 |
| S-909 | Maintenance of Way Equipment—Class MW | Archived 08/06/2020 via C-13630 |
| S-911 | Cars Equipped with Loading Bars and Movable Bulkheads | Archived 08/06/2020 via C-13630 |
| S-912 | Clear Door Opening | Archived 08/06/2020 via C-13630 |
| S-913 | Clearance Plates | Archived 08/06/2020 via C-13630 |
| S-914 | Metrication Stenciling | Archived 08/06/2020 via C-13630 |
| S-915 | Loading Stencil—Refrigerator Car Floor | Archived 08/06/2020 via C-13630 |

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# CURRENT CIRCULAR LETTERS

**DISCLAIMER**

This table lists the Circular Letters that have been issued subsequent to the release of the MSRP specifications, standards, and recommended practices shown in MSRP-A1. This Index Tool is intended to improve accessability to the users. It is the responsibility of the user to ensure that individual MSRP sections reflect interim revisions inplemented via Circular Letter.

Click one of the links below to see the Circular Letters affecting that particular MSRP section.


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| MSRP-AS | MSRP-E2 | MSRP-J | MSRP-M |
| MSRP-B | MSRP-F | MSRP-K1 | MSRP-N |
| MSRP-C | MSRP-G | MSRP-K2 | MSRP-S1 |
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| MSRP-C3 | MSRP-H | MSRP-K4 | MSRP-S3 |
| MSRP-D | MSRP-H2 | MSRP-K5 | MSRP-T |
| MSRP-E | MSRP-I | MSRP-K6 | |


## Section AS Administrative Supplement (2015)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 06/17/2014 | C-12193 | Implementation of Revised AAR Manual of Standards and Recommended Practices Section AS, Administrative Standards Supplement |
| S-046<br>S-060 | 09/30/2015 | C-12448 | Implementation of Revisions to MSRP Section AS Administrative Standards, Standards S-060 Application for Component Approval Procedure; and S-046 Definitions of Terms for the AAR MSRP. |

## Section B—Couplers and Freight Car Draft Components (2019)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 07/24/2019 | C-13386 | Implementation of Revised MSRP Section B, Freight Car Draft Components, 2019 |
| M-921B | 08/12/2019 | C-13398 | Solicitation of Comments for Revisions to MSRP Section B, Freight Car Draft Components, Specification M-921B Cushioning Devices, End-of-Car, Addition of New Requirements |
| M-921B | 05/13/2019 | C-13585 | Implementation of Revisions to MSRP Section B, Freight Car Draft Components, Specification M-921B Cushioning Devices, End-of-Car. Addition of New Requirements. |
| M-921B<br>M-921C<br>M-921D<br>M-921E<br>M-921F | 06/29/2020 | C-13604 | Implementation of Revisions to MSRP Section F, Sensors, Standard S-920 AAR Component Identification (CID) Bar Code Standard, and MSRP Section B, Freight Car Draft Components, Cushioning Devices Specifications M-921B-C-D-E-F. Component Tracking. |

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## Section C—Car Construction—Fundamentals and Details (2014)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 09/24/2020 | C-13653 | Implementation of Revised MSRP Section C, Car Construction Fundamentals and Details, 2020 |
| S-910 | 03/22/2022 | C-13941 | Implementation of Editorial Revisions to MSRP Section C, CAR Construction Fundamentals and Details, Standard S-910 Marking of Freight Cars, regarding update to font |
| S-2045 | 07/19/2022 | C-14001 | Implementation of Revisions to MSRP Section C, CAR Construction Fundamentals and Details, Standard S-2045 Remote Monitoring Equipment, Installation. Revision of requirements |

## Section C, Part II—Specifications for Design, Fabrication, and Construction of Freight Cars, M-1001 (2015) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 11/30/2015 | C-12506 | Implementation of Revised AAR Manual of Standards and Recommended Practices Section C Part II, Specification M-1001, Design, Fabrication, and Construction of Freight Cars |
| Chapter 11 | 09/28/2017 | C-12962 | Implementation of Revisions to MSRP Section C Part II (Design, Fabrication and Construction of Freight Cars) and MSRP Section D (Trucks and Truck Details), Specifications M-1001 Chapter 11 Service-Worthiness Tests and M-976 Truck Performance for Rail Cars |
| Chapter 2 | 10/25/2017 | C-12973 | Implementation of Revision to MSRP Section C Part II, Specification M-1001, Design, Fabrication, and Construction of Freight Cars, Chapter 2—General Data: Addition of Cooper Bridge Rating Criteria, and Clarification of Coupler Height |
| Chapter 1 | 10/25/2017 | C-12971 | Implementation of Editorial Revisions to MSRP Section C Part II, Design, Fabrication, and Construction of Freight Cars, Specification M-1001, Chapter 1 Administrative Provisions, Edits Related to Standard S-2044 Safety Appliance Requirements |
| Chapter 4 Chapter 6 | 11/7/2017 | C-12989 | Implementation of Revisions to MSRP Section C Part II, Specification M-1001, Design, Fabrication, and Construction of Freight Cars, Chapter 4—Design (Live load diagrams, Jacking), and Chapter 6—General Design and Test Requirements—Tank Cars (Jacking) |
| Chapter 4 | 1/5/2018 | C-13046 | Implementation of Editorial Revision to MSRP Section C Part II, Specification M-1001, Design, Fabrication, and Construction of Freight Cars, Chapter 4 Design |
| Chapter 6 | 04/11/2018 | C-13093 | Implementation of Revision to MSRP Section C—Part II Design, Fabrication, and Construction of Freight Cars, Specification M-1001 Chapter 6 General Design and Test Requirements—Tank Cars. Additional design guidance for tank car sill reinforcing pads |
| Chapter 4 | 03/10/2019 | C-13288 | Implementation of Revision to MSRP Section C-II Design, Fabrication, and Construction of Freight Cars, Chapter 4 Design. Editorial Change to the Longitudinal Force Design Requirements for Bulkhead Flat Cars |

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## Section C, Part II—Specifications for Design, Fabrication, and Construction of Freight Cars, M-1001 (2015) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Chapter 11 | 04/20/2020 | C-13536 | Implementation of Revisions to MSRP Section D, Trucks and Truck Details, Specification M-976 Truck Performance for Rail Cars, and Section C Part II, Specification M-1001 Chapter 11. Addition of Traction Ratio Test and associated edits. |

## Section C, Part III—Specifications for Tank Cars, M-1002 (2014) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 10/31/2014 | CPC-1310 | Availability of November 2014 version of the AAR Manual of Standards and Recommended Practices (MSRP), Section C Part III, Specifications for Tank Cars, M-1002 |
| Chapter 2 | 04/7/2017 | CPC-1325 | Final Action, Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 2 |
| Chapter 2 | 07/27/2018 | CPC-1336 | Final Action, Update to revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 2 |
| Chapter 1<br>Appendix B | 10/24/2018 | CPC-1338 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Appendix B—Certification of Tank Car Facilities and Associated Chapter 1 Definitions (Docket T91.2.4) |
| Chapter 2 | 12/04/2018 | CPC-1341 | Final Action, Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 2 |
| Appendix A<br>Appendix M | 12/12/2018 | CPC-1342 | Revision to the Final Action, Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix A and M |
| Chapter 1<br>Appendix D<br>Appendix J | 01/24/2019 | CPC-1343 | Final Action, Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 1, Appendix D, and Appendix J |
| Chapter 1<br>Appendix B<br>Appendix J<br>Appendix L<br>Appendix R | 11/05/2019 | CPC-1350 | Implementation of Editorial Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Appendix B—Certification of Tank Car Facilities and Associated Chapter 1 Definitions (Docket T91.2.4) |
| Chapter 1<br>Appendix B | 12/20/2019 | CPC-1354 | Final Action, Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 1, Appendix B |
| Appendix B | 04/14/2020 | CPC-1362 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Appendix B - Certification of Tank Car Facilities (Docket T91.2.4) |
| Chapter 1<br>Appendix A<br>Appendix D | 03/10/2021 | CPC-1375 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Chapter 1, Appendix A, and Appendix D (Docket T100.22.1)<br>(Note: Regarding Chapter 1, also see CPC-1376) |
| Chapter 1<br>Appendix T | 03/19/2021 | CPC-1376 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Chapter 1 and Appendix T (Docket T88.1-93) |
| M-1002<br>Appendix B | 06/28/2021 | CPC-1383 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Appendix B (Docket T91.2.6) |

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## Section C, Part III—Specifications for Tank Cars, M-1002 (2014) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Chapter 1<br>Chapter 2<br>Appendix B | 04/06/2022 | CPC-1390 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Chapter 1, Chapter 2, and Appendix B |
| Appendix B | 06/16/2022 | CPC-1395 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Appendix B |
| Appendix Z | 06/16/2022 | CPC-1396 | Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Chapter 1 and Appendix Z |

## Section D—Trucks and Truck Details (2019)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 12/06/2019 | C-13489 | Implementation of Revised AAR Manual of Standards and Recommended Practices Section D, Trucks and Truck Details Manual Now Available |
| M-976 | 04/20/2020 | C-13536 | Implementation of Revisions to MSRP Section D, Trucks and Truck Details, Specification M-976 Truck Performance for Rail Cars, and Section C Part II, Specification M-1001 Chapter 11. Addition of Traction Ratio Test and associated edits. |

## Section E—Brakes and Brake Equipment (2019)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 02/20/2019 | C-13284 | Implementation of Revised MSRP Section E, Brakes and Brake Equipment, 2019 |
| S-461<br>S-462<br>S-463<br>S-464 | 08/28/2019 | C-13401 | Implementation of Editorial Revisions to MSRP Section E—Brakes and Brake Equipment, Standards: S-461, S-462, S-463, and S-464 to Better Clarify the Purpose of the Test Rack Standards—Revised August 30, 2019 |
| S-475 | 09/19/2019 | C-13414 | Implementation of Revisions to MSRP Section E—Brakes and Brake Equipment, S-475, Hand Brakes, Sheave and Chain Connector Clarification |
| S-4022 | 04/16/2020 | C-13532 | Implementation of Retirement of MSRP Section E, Standard S-4022 – Pipe, other than Schedule 80 Iron |
| S-401 | 08/03/2020 | C-13626 | Implementation of Editorial Revisions to MSRP Section E – Brakes and Equipment, Standard S-401, Brake Design Requirements. Hand brake marking requirements have been removed. |
| S-402 | 08/03/2020 | C-13625 | Implementation of Editorial Revision to MSRP Section E – Brakes and Brake Equipment, Standard S-402, Welding of Air Brake Pipe and Fittings For Railroad Cars – Welding Procedure Clarification |

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## Section E, Part II—Electronically Controlled Brake Systems (2014)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/07/2014 | C-12225 | Implementation of Revised AAR MSRP Section E-II, Electronically Controlled Brake Systems |

## Section F—Sensors (2012) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 04/10/2020 | C-13527 | Implementation of Revised MSRP, Section F - Sensors |
| S-920 | 06/29/2020 | C-13604 | Implementation of Revisions to MSRP Section F, Sensors, Standard S-920 AAR Component Identification (CID) Bar Code Standard, and MSRP Section B, Freight Car Draft Components, Cushioning Devices Specifications M-921B-C-D-E-F. Component Tracking. |
| S-6102 | 07/20/2020 | C-13613 | Implementation Circular for Additions to MSRP, Section F – Sensors: Standard S-6102, Wayside Passing Data Format. |
| S-920 | 11/05/2020 | C-13695<br><br>C-13696 | Implementation Circular: Revisions to MSRP Section F, SENSORS \| S-920 AAR Component Identification Bar Code Standard Modifications to Section 17 – Emergency Brake Valve Portion CID Labels and Section 18 – Service Brake Valve Portion CID Labels.<br><br>Implementation Circular: Revisions to MSRP Section F, Sensors, S-920 AAR Component Identification - Bar Code Standard / Addition of Data Glossary Elements for Side Frames and Bolsters |
| S-920 | 03/10/2021 | C-13754 | Additions to MSRP Section F, SENSORS \| S-920 AAR Component Identification Bar Code Standard: Tank Car Service Equipment: Pressure Relief Valves (PRV) |
| S-6000<br>S-6001<br>S-6002<br>S-6003<br>S-6004<br>S-6005<br>S-6006<br>S-6008<br>S-6009<br>S-6021<br>S-6102<br>S-6103<br>S-6200 | 05/26/2021 | C-13821 | Implementation of Editorial Updates to MSRP, Section F, Sensors - Multiple Standards |
| S-6101 | 06/02/2021 | C-13822 | Implementation Circular: MSRP Section F, Sensors, Standard S-6101, Detector Calibration & Validation Requirements: Wheel Impact Load Detector (WILD) Validation Plan |
| S-920 | 06/04/2021 | C-13823 | Implementation of Editorial Updates to MSRP, Section F, S-920, Component Identification Bar Code Standard |
| S-920 | 06/08/2021 | C-13824 | Implementation of Additional/Corrected Editorial Updates to MSRP, Section F,S-920, Component Identification Bar Code Standard |

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## Section F—Sensors (2012) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-920 | 07/06/2021 | C-13833 | Implementation Circular: MSRP Section F, Sensors, Standard S-920, Component Identification Bar Code Standards / Sections 12 & 13 |
| S-6101 | 01/11/2022 | C-13925 | Implementation Circular: MSRP Section F, Sensors, Standard S-6101, Detector Calibration & Validation Requirements: Acoustic Bearing Detector (ABD) Validation Standards |
| S-920 | 06/30/2022 | C-13998 | Implementation: Revisions to MSRP F, Sensors, S-920, Component Identification Bar Code Standard - Section 10 Wheel Set CID Labels |

## Section G—Wheels and Axles (2016)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 09/29/2020 | C-13654 | Implementation of Revised MSRP Section G, Wheel and Axles, 2020 |

## Section G, Part II—Wheel and Axle (Shop) Manual (2019)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 02/04/2019 | C-13275 | Implementation of Revised MSRP Section G, Part II, Wheel and Axle Manual, 2019 |
| S-659<br>RP-631<br>RP-632<br>RP-633 | 04/19/19 | C-13311 | Implementation of Revisions to MSRP Section G-II, Wheel and Axle Manual, S-659, RP-631, RP-632, and RP-633, Southern CJ-33, Wheel Storage, Bearing Storage, and Vertical Split Rim |
| RP-633 | 03/27/2020 | C-13523 | Implementation of Revisions to MSRP Section G-II, Wheel and Axle Manual, RP-633, Axle W Dimension References and Axle K Dimension Update |
| RP-631 | 06/02/2020 | C-13594 | Implementation of Revisions to MSRP Section G-II, Wheel and Axle Manual, RP-631, MD-11 Reporting and Bearing External Inspection |
| S-659<br>RP-633 | 09/17/2020 | C-13648 | Implementation of Revisions to MSRP Section G, Wheels and Axles, M-107/M-208, and S-658, and MSRP Section G-II, Wheel and Axle Manual S-659, and RP-633, AAR-2A Standard Profile, AMFLEET Axle Relief Grooves, and Wheel Seat Measurement |
| S-659<br>RP-631<br>RP-632<br>RP-633<br>RP-634 | 05/17/2022 | C-13992 | Implementation of Revisions to MSRP Section G-II, Wheel and Axle Manual, S-659, RP-631, RP-632, R-633, and RP-634, Bearing Sampling, NHT Wheels, UT Data Retention, and Gauging Amtrak Wheels |

## Section H—Journal Bearings and Lubrication (2021)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 04/29/2021 | C-13785 | Implementation of Revised MSRP Section H, Journal Bearings and Lubrication, 2021 |

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## Section H, Part II—Roller Bearing (Shop) Manual (2017)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 10/12/2021 | C-13855 | Implementation of Revised MSRP Section H-II, Roller Bearing Manual, 2021 |

## Section I—Intermodal Equipment Manual (2018)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/01/2018 | C-13180 | Implementation of Revised MSRP Section I, Intermodal Equipment Manual, 2018 |
| M-930<br>M-931<br>M-998<br>RP-853 | 04/19/2019 | C-13310 | Implementation of Revisions to MSRP Section I, Intermodal Equipment Manual, M-930, M-931, M-998, RP-853, Appendix E CSU Testing, Lift Pad, and IBC Tension Testing |

## Section J—Specification for Quality Assurance, M-1003 (2019)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 10/15/2019 | C-13420 | Implementation of Revision to MSRP Section J, M-1003 Specification for Quality Assurance |
| M-1003 | 09/04/2020 | C-13644 | Implementation of Revisions to Appendix A of Section J, Specification for Quality Assurance M-1003 |
| Book | 01/10/2022 | C-13924 | Implementation of Revision to AAR MSRP Section J, Specification for Quality Assurance M-1003 |

## Section K, Part I—Railway Electronics Systems Architecture and Concepts of Operation (2014) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/01/2014 | C-12211 | New Release of Railway Electronics Standards Sections K-I through K-VI |
| S-9053.V1.0 | 08/08/2014 | C-12229 | Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, S-9053 Positive Train Control ITC System Requirements–Level 0 |
| S-9054.V1.0 | 08/08/2014 | C-12230 | Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, S-9054 Positive Train Control ITC System Requirements–Level 1 |
| S-9053.V2.0 | 12/07/2018 | C-13252 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, Positive Train Control ITC System Requirements - Level 0, Standard S-9053.V2.0 |

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## Section K, Part I—Railway Electronics Systems Architecture and Concepts of Operation (2014) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-9054.V2.0 | 12/07/2018 | C-13253 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-1 Railway Electronics Systems Architecture and Concepts of Operations, Positive Train Control ITC System Requirements - Level 1, Standard S-9054.V2.0 |
| S-9010.V1.0 | 07/24/2019 | C-13385 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, Data Protection, Standard S-9010.V1.0 |
| S-9080.V1.0 | 10/17/2019 | C-13422 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, Standard S-9080.V1.0 |
| S-9080.V2.0 | 09/30/2020 | C-13655 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, Standard S-9080.V2.0 |
| S-9074.V1.0 | 11/05/2020 | C-13694 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, Standard S-9074.V1.0 |
| S-9081.V1.0 | 12/18/2020 | C-13726 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concept of Operations, Standard S-9081.V1.0 |
| S-9058.V1.0 | 01/19/2021 | C-13736 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concept of Operations, Standard S-9058.V1.0 |
| S-9081.V1.1 | 02/26/2021 | C-13749 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-1 Railway Electronics Systems Architecture and Concept of Operations, Standard S-9081.V1.1 |
| S-9081.V1.2 | 03/08/2021 | C-13753 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-1 Railway Electronics Systems Architecture and Concept of Operations, Standard S-9081.V1.2 |
| S-9076.V1.0 | 08/17/2021 | C-13841 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concept of Operations, Standard S-9076.V1.0 |
| S-9075.V1.0 | 07/19/2022 | C-14003 | Implemented, AAR Manual of Standards and Recommended Practices (MSRP), Section K-1 Railway Electronics Systems Architecture and Concepts of Operations, Standard S-9075.V1.0 |

## Section K, Part II—Locomotive Electronics and Train Consist System Architecture (2014) (page 1 of 3)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/01/2014 | C-12211 | New Release of Railway Electronics Standards Sections K-I through K-VI |
| M-9154B.V1.0 | 01/23/2015 | C-12326 | Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-II, Locomotive Electronics and Train Consist Architecture, Intra-Consist Communications (ICC) Layer 2, M-9154B.V1.0. |

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## Section K, Part II—Locomotive Electronics and Train Consist System Architecture (2014) (page 2 of 3)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| M-9155.V2.0 | 05/19/2015 | C-12384 | Railway Electronics Standards Committee, Specification M-9155.V2.0—Locomotive Command and Control Module (LCCM)—Functional Requirements |
| M-9155.V.2.1 | 11/2/2015 | C-12465 | New Circular Letter Release: Implementation of Revision to MSRP, Section K-II, Specification M-9155.V.2.1 - Locomotive Command and Control Module (LCCM) Functional Requirements |
| M-9155.V2.2 | 08/23/2016 | C-12704 | New Circular Release: Implementation of Changes to MSRP, Section K-II, Specification M-9155.V2.2, Locomotive Command and Control Module (LCCM) – Functional Requirements. |
| S-9101E.V1.1 | 09/30/2016 | C-12716 | New Circular Letter Release: Implementation of Changes to MSRP, Section K-II, Specification S-9101E.V1.1—Locomotive System Integration Communications |
| S-9152.V2.2 | 09/30/2016 | C-12717 | New Circular Letter Release: Implementation of Changes to MSRP, Section K-II, Standard S-9152.V2.2—End-of-Train Communications |
| S-9101.V1.1 | 11/03/2016 | C-12730 | New Circular Release: Implementation of Changes to the MSRP, Section K-II, Standard S-9101.V1.1—Locomotive Electronics System Architecture (LESA) and Appendix F— Locomotive Interface Gateway (LIG) |
| S-9101C.V1.0 | 07/13/2018 | C-13170 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Loco Electronics & Train Consist System Architecture, Locomotive Data Acquisition and Recording System (LDARS)—Event Data Acquisition Processor, Standard S-9101C.V1.0 |
| S-9101G.V1.0 | 07/13/2018 | C-13171 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics & Train Consist System Architecture, Locomotive Data Acquisition and Recording System (LDARS) - Common File Format Standard, Standard S-9101G.V1.0 |
| M-9155.V2.3 | 10/04/2018 | C-13204 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Consist System Architecture, Locomotive Command and Control Module (LCCM)—Functional Requirements, Specification M-9155.V2.3 |
| M-9155.V2.4 | 08/30/2019 | C-13402 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Consist System Architecture, Locomotive Command and Control Module (LCCM)—Functional Requirements Specification M-9155.V2.4 |
| S-9101.V1.2 | 08/30/2019 | C-13403 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Consist System Architecture, Locomotive Electronics System Architecture Standard S-9101.V1.2 |
| S-9101.V1.2 | 08/30/2019 | C-13404 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Consist System Architecture, Standard S-9101 Appendix F |

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## Section K, Part II—Locomotive Electronics and Train Consist System Architecture (2014) (page 3 of 3)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| M-9155.V2.4.1 | 09/10/2021 | C-13851 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Consist System Architecture, Specification M-9155.V2.4.1. |
| S-9103.V1.0 | 10/25/2021 | C-13860 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Control System Architecture, Standard S-9103.V1.0 |
| M-9155.V2.5 | 12/20/2021 | C-13918 | Implemented, AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Consist System Architecture, Specification M-9155.V2.5 |

## Section K, Part III—Wayside Electronics and Mobile Worker Communications Architecture (2014)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/01/2014 | C-12211 | New Release of Railway Electronics Standards Sections K-I through K-VI |
| S-9203.V1.1 | 04/27/2020 | C-13547 | Implementation of AAR Manual of Standards and Recommended Practices(MSRP), Section K-III Office Architecture and Railroad Electronics Messaging, Standard S-9203.V1.1 |
| S-9203A.V1.1 | 04/27/2020 | C-13549 | Implementation of AAR Manual of Standards and Recommended Practices (MSRP), Section K-III Office Architecture and Railroad Electronics Messaging, Standard S-9203A.V1.1 |

## Section K, Part IV—Office Architecture and Railroad Electronics Messaging (2014) (page 1 of 3)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/01/2014 | C-12211 | New Release of Railway Electronics Standards Sections K-I through K-VI |
| S-9371.V1.0 | 11/25/2014 | C-12299 | Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, PTC Onboard Segment—Energy Management Interface Control Document (ICD), S-9371.V1.0 |
| S-9372.V1.0 | 11/25/2014 | C-12300 | Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, PTC Back Office Segment—Energy Management Interface Control Document (ICD), S-9372.V1.0 |
| S-9364.V1.1 | 06/05/2015 | C-12399 | Railway Electronics Standards Committee, Standard S-9364.V1.1—I-ETMS Onboard Segment Data Distribution Messages Interface Control Document (ICD) |
| S-9372.V1.1 | 06/06/2016 | C-12652 | New Circular Release: Implementation of Changes to MSRP, Section K-IV, Standard S-9372.V1.1—PTC Back Office Segment—Energy Management Interface Control Document (ICD) |
| S-9361.V1.2 | 07/05/2016 | C-12681 | New Circular Release: Implementation of Changes to MSRP, Section K-IV, Standard S-9361.V1.2, Positive Train Control Office—Locomotive Segment—Interface Control Document (ICD) |

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## Section K, Part IV—Office Architecture and Railroad Electronics Messaging (2014) (page 2 of 3)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-9376.V1.0 | 10/19/2016 | C-12725 | New Circular Release: Implementation of New Standard in MSRP, Section K-IV, Standard S-9376.V1.0—Edge Message Protocol (EMP) Subscribe Message Interface Control Document (ICD) |
| S-9364.V2.0 | 01/18/2017 | C-12786 | New Circular Letter Release, S-9364.V2.0—I-ETMS® Onboard Segment Data Distribution Messages Interface Control Document (ICD), In Support of AAR Manual of Standards and Recommended Practices (MSRP), Section K-4, Railway Electronics Messaging Stand |
| S-9361.V2.0 | 06/28/2018 | C-13165 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Railroad Electronics Messaging Standards, Positive Train Control (PTC) Office—Locomotive Segment—Interface Control Document (ICD), Standard S-9361.V2.0 |
| S-9372.V2.0 | 06/28/2018 | C-13166 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Railroad Electronics Messaging Standards, PTC Back Office Segment-Energy Management Interface Control Document (ICD), Standard S-9372.V2.0 |
| S-9375.V1.0 | 07/23/2018 | C-13174 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Railroad Electronics Messaging Standards, Centralized Train Control (CTC) Over Interoperable Train Control Mgmt (ITCM)-Interface Control Document, Standard S-9375.V1.0 |
| S-9452.V2.0 | 10/08/2018 | C-13205 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-V Electronics Environmental Requirements and Systems Management, ITCSM Common Data Dictionary for Interoperable Train Control Standard S-9452.V2.0 |
| S-9354.V2.0 | 10/30/2018 | C-13221 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Edge Message Protocol Standard S-9354.V2.0. |
| S-9371.V2.0 | 10/30/2018 | C-13222 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, PTC Onboard Segment-Energy Management Interface Control Document (ICD) Standard S-9371.V2.0 |
| S-9356.V2.0 | 10/30/2018 | C-13223 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Class D Messaging Standard S-9356.V2.0 |
| S-9379.V1.0 | 12/7/2018 | C-13251 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Requirements For Using An ITC EMP Application Gateway, Standard S-9379.V1.0 |
| S-9357.V1.0 | 06/28/2019 | C-13371 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Mutually Authenticated Key Exchange, Standard S-9357.V1.0 |

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## Section K, Part IV—Office Architecture and Railroad Electronics Messaging (2014) (page 3 of 3)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-9358.V1.0 | 06/28/2019 | C-13372 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Anonymous Key Exchange, Standard S-9358.V1.0 |
| S-9359.V1.0 | 06/28/2019 | C-13373 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and railroad Electronics Messaging, Interoperable Certificate Revocation Responder Service, Standard S-9359.V1.0 |
| S-9365.V3.0 | 08/11/2019 | C-13395 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and RR Electronics Messaging, Locomotive Interface Gateway (LIG) Positive Train Control (PTC) Interface Control Document (ICD), Standard S-9365.V3.0 |
| S-9353.V1.0 | 08/11/2019 | C-13394 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP). Section K-IV Office Architecture and Railroad Electronics Messaging, Railroad Electronics Standards Committee (RESC) Data Dictionary, S-9353.V1.0 |
| S-9361.V3.0 | 10/14/2020 | C-13657 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Standard S-9361.V3.0 |
| S-9371.V3.0 | 04/05/2021 | C-13765 | Implemented. AAR Manual of Standard and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Standard S-9371.V3.0 |
| S-9378.V1.0 | 04/22/2021 | C-13781 | Implemented. AAR Manual of Standards and Recommended Practices, Section K-IV Office Architecture and Railroad Electronics Messaging, Standard S-9378.V1.0 |
| S-9353.V1.1 | 12/20/21 | C-13916 | Implemented, AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Standard S-9353.V1.1 |
| S-9361.V3.1 | 12/20/2021 | C-13917 | Implemented, AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Standard S-9361.V3.1 |
| S-9382.V1.0 | 07/19/2022 | C-14002 | Implemented, AAR Manual of Standards and Recommended Practices (MSRP), Section K-IV Office Architecture and Railroad Electronics Messaging, Standard S-9382.V1.0 |

## Section K, Part V—Electronics Environmental Requirements and System Management (2014) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-9460.V1.0 | 06/28/2018 | C-13167 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-5 Electronics Environmental Requirements & Systems Management, ITCSM Interface Control Document for Interoperable Train Control, Standard S-9460.V1.0 |
| S-9452A.V2.0 | 08/16/2021 | C-13839 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-V Electronics Environmental Requirements and Systems Management, Standard S-9452A.V2.0 |

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## Section K, Part V—Electronics Environmental Requirements and System Management (2014) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-9451A.V2.0 | 08/17/2021 | C-13840 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-V Electronics Environmental Requirements and Systems Management, Standard S-9451A.V2.0 |
| RP-9457.V2.0 | 08/17/2021 | C-13842 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-V Electronics Environmental Requirements and Systems Management, Standard RP-9457.V2.0 |

## Section K, Part VI—Railway Electronics Data Management and Communications (2014)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 08/01/2014 | C-12211 | New Release of Railway Electronics Standards Sections K-I through K-VI |
| S-9555.V1.1 | 06/10/2015 | C-12401 | New Circular Release: Implementation of Changes to MSRP, Section K-VI, Standard S-9555.V1.1, Railroad Use of IEEE 802.1X and DHCP Services in Support of 802.11 Interoperability. |
| S-9501.V2.0 | 07/24/2015 | C-12426 | New Circular Release: Implementation of Changes to MSRP, Section K-VI, Standard S-9501.V2.0—Positive Train Control Data Model Definition |
| S-9503.V2.0 | 08/13/2015 | C-12427 | New Circular Release: Implementation of Changes to MSRP, Section K-VI, Standard S-9503.V2.0 - Interoperable Electronic Train Management System (I-ETMS) Subdivision File |
| S-9557.V1.0 | 12/15/2015 | C-12537 | New Circular Letter Release: Implementation of New Standard within MSRP, Section K-VI, Standard S-9557.V1.0—Interoperable Train Control (ITC) Radio Identification Format. |
| S-9501.V3.0 | 10/30/2018 | C-13224 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-VI Railway Data Management and Communications, Positive Train Control Data Model Definition, Standard S-9501.V3.0 |
| RP-9511.V2.0 | 05/15/2019 | C-13332 | IMPLEMENTED. AAR Manual of Standards and Recommended Practices (MSRP), Section K-VI Railway Data Management and Communication, Interoperable Train Control (ITC) Onboard Track Database Field Survey and Validation, Recommended Practice RP-9511.V2.0 |
| S-9502.V1.0 | 06/26/2020 | C-13602 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP),Section K-VI Railway Data Management and Communications, Standard S-9502.V1.0 |
| S-9502.V1.1 | 10/29/2020 | C-13671 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-VI Railway Data Management and Communications, Standard S-9502.V1.1 |
| S-9558.V1.0 | 03/31/2021 | C-13763 | Implemented. AAR Manual of Standards and Recommended Practices (MSRP), Section K-VI Railway Data Management and Communications, S-9558.V1.0 |

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## Section M—Locomotives and Locomotive Interchange Equipment (2008)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 11/24/2020 | C-13710 | Implementation of Revised MSRP Section M, Locomotives and Locomotive Interchange Equipment, 2020 |
| RP-545 | 01/04/2021 | C-13731 | Implementation of Retirement of MSRP Section M, Recommended Practice – RP-545 Testing Electrical Components |
| S-5512 | 02/22/2021 | C-13745 | Implementation of Retirement and Archival of AAR MSRP Section M - Standard S-5512 – Locomotive Event Recorder Download Standard |
| S-5513 | 11/03/2021 | C-13880 | Implementation of Revisions to the Manual of Standards and Recommended Practices (MSRP), Section M, Locomotives and Locomotive Interchange Equipment: Standard S-5513 – Locomotive Alerter Requirements |
| RP-589 | 04/25/2022 | C-13966 | Implementation of Proposed Revisions to MSRP, Section M, Recommended Practice - RP-589, Rating for Specific Fuel Consumption of Diesel Electric Locomotives |

## Section N—Multi-Level Manual (2017)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 04/14/2020 | C-13531 | Implementation of Revised AAR Manual of Standards and Recommended Practices Section N, Multi-Level Manual |
| M-951 | 09/09/2020 | C-13646 | Implementation of Revisions to MSRP Section N, Specification M-951, Portable Bridge Plates for Multi-Level Auto Rack Cars |
| S-810 | 05/18/2021 | C-13815 | Implementation of Revisions to MSRP Section N, Standard S-810, Field Impact and Over-the-Road Tests of Multi-Level Tie-Down Equipment and Methods |
| M-991 | 05/18/2021 | C-13816 | Implementation of Revision to MSRP Section N, Specification M-991, Vehicle DoorEdge Protection Systems for Multi-Level Auto Rack Cars |
| M-970 | 12/10/2021 | C-13912 | Implementation of Revisions to MSRP Section N, Specification M-970, Condition-Based Certification of Multi-Level Auto Rack Cars |
| M-950 | 04/28/2022 | C-13970 | Implementation of Revisions to MSRP Section N, Specification M-950, Universal Wide-Body Tri-Level Fully-Enclosed Auto Rack Car (Low Deck) |
| M-970 | 04/28/2022 | C-13969 | Implementation of Revisions to MSRP Section N, Specification M-970, Condition-Based Certification of Multi-Level Auto Rack Cars |

## Section S, Part I—Casting Details (2021) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 10/05/2021 | C-13852 | Implementation of Revised MSRP Section S, Casting Details, 2021 |
| M-211 | 03/29/2022 | C-13945 | Implementation of Revisions to MSRP Section S, Casting Details, Specification M-211, Foundry and Product Approval Requirements for the Manufacture of Couplers, Coupler Yokes, Knuckles, Follower Blocks, and Coupler Parts |

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## Section S, Part I—Casting Details (2021) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| M-220 | 03/29/2022 | C-13944 | Implementation of Revisions to MSRP Section S, Casting Details, Specification M-220, Casting Component Nondestructive Testing Requirements, regarding updates to NDT requirements |

## Section S, Part II—Truck Details and Casting Codes (2019)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 02/15/2019 | C-13281 | Implementation of Revised MSRP Section S-II, Truck Details and Casting Codes, 2019 |

## Section S, Part III—Coupler and Yoke Dimensions (2016)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| Book | 11/12/2020 | C-13701 | Implementation of Revised MSRP Section S-III, Coupler and Yoke Details, 2020 |
| S-105 | 06/22/2021 | C-13826 | Implementation of Revisions to MSRP Section S-III, Coupler and Yoke Details, Standard S-105, Coupler E Type Detail Parts, regarding making reduced slack components standard |

## Section T—Interoperable Fuel Tenders for Locomotives (Not Yet Published) (page 1 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| S-5027 | 08/02/2017 | C-12936 | Implementation of New MSRP Section T, S-5027 21-Point Control Plug, Cable Assembly and Receptacle (TC-21 Tender Control Cable) |
| S-5025<br>S-5026 | 08/02/2017 | C-12937 | Implementation of New MSRP Section T, S-5025 Gaseous Natural Gas Supply Hose Unit for Natural Gas Fuel Tenders and S-5026 Heat Exchange Fluid Hose Unit for Natural Gas Fuel Tenders |
| M-1004 | 08/02/2017 | C-12938 | Implementation of New MSRP Section T, M-1004 Specification for Fuel Tenders |
| M-1004 | 10/25/2017 | C-12976 | Implementation of Appendix J Inspections and Maintenance, to be added to M-1004 Specification for Fuel Tenders |
| M-1004 | 12/07/2017 | C-13034 | Implementation of Revised MSRP Section T, M-1004 Specification for Fuel Tenders, Including the Addition of New Appendix G, Wiring and Electrical Hardware |
| M-1004 | 09/10/2019 | C-13408 | Implementation of Revised MSRP Section T M-1004 Specification for Fuel Tenders to Include Aspects for CNG-Style Tenders |
| M-1004<br>S-5028<br>S-5029<br>S-5030 | 12/01/2020 | C-13714 | Implementation of Revisions to MSRP Section T Interoperable Fuel Tenders For Locomotives, Specification M-1004, Specification for Fuel Tenders, and Supporting New Standards S-5028, S-5029 and S-5030 |
| S-5031<br>S-5032 | 12/01/2020 | C-13715 | Implementation of Revisions to MSRP Section T Interoperable Fuel Tenders For Locomotives, New Standards S-5031 and S-5032 for Tender Fill Electrical Cables |

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## Section T—Interoperable Fuel Tenders for Locomotives (Not Yet Published) (page 2 of 2)

| Doc Affected | Date | CL No. | Title |
|---|---|---|---|
| M-1004 | 02/09/2022 | C-13933 | Implementation of Revisions to MSRP Section T Interoperable Fuel Tenders for Locomotives, Specification M-1004, Specification for Fuel Tenders |
| S-5027 | 03/31/2022 | C-13948 | Implementation of Editorial Revisions to MSRP Section T, Interoperable Fuel Tenders for Locomotives Standard, S-5027 21-Point Control Plug, Cable Assembly and Receptacle (TC-21 Tender Control Cable) |

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