

To: Distribution List

Subject: December, 2022 AAR Circular Letter Summary

The December 2022 summary includes the (14) circular letters issued during the month.

This document provides a summary of each Association of American Railroads (“AAR”) circular letter issued during the previous month. A circular letter provides information of general applicability to the railroad industry, including proposed and final rules, standards, and recommended practices. Circulars are a fee-based service provided by AAR’s Transportation Technology Center, Incorporated (“TTCI”) located in Pueblo, Colorado. You may sign up to receive AAR circular letters online. If you need further assistance with access to circulars, please send any future questions and issues to Pubs@aar.com.

The Field Manual of the AAR Interchange Rules, Rule 1, b. (11), requires maintaining a copy of each “*mandatory circular letter*” that revises an “*Interchange Rule*” or the “*Manual of Standards and Recommended Practices.*” For your convenience, this document identifies mandatory circular letters. For those circulars that propose or implement final changes to an existing rule, standard, or recommended practice, this document provides an impact statement to car owners, lessors, mechanical shops, and railroad operations.

The following matrix identifies the AAR circular letter number, a summary of the circular, any effective date of a rule, standard, or recommended practice, any comment due date, an impact statement, and to the extent it applies, if the circular letter is mandatory.

If you have any questions, please contact Tom DeLafosse at 630.512.7595 or tom.delafosse@salcoproducts.com.

Circular No.	Subject and Summary	Impact Statement
Implemented Changes, Effective the Date of Circular		
C-14084 Dec. 5, 2022	<p>Subject: MSRP Section F, Sensors, Standard S-6101, Detector Calibration & Validation Requirements: Archived Wild Validation Standards.</p> <p>Summary: This implementation circular is being released to the industry for revisions to Section F of the AAR's Manual of Standards & Recommended Practices (MSRP).</p> <p>Implementation Date: Standard S-6101 Detector Calibration and Validation Requirements, currently in effect, is attached to this circular.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Download the attachment to this circular if Section F is a required publication for your location.</p>
C-14086 Dec. 14, 2022	<p>Subject: US Car Repair Facility Labor Rate.</p> <p>Summary: The Car Repair Facility Labor Rate, effective January 1, 2023 is \$187.00, an increase of \$37.65 (or 25.2%) from the labor rate calculated for October 1, 2022.</p> <p>Implementation Date: January 1, 2023</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Details are noted within this circular.</p>

Circular No.	Subject and Summary	Impact Statement
C-14087 Dec. 16, 2022	<p>Subject: AAR Manual of Standards and Recommended Practices (MSRP), Section K-VI Railway Data Management and Communications, Standards S-9503.V3.0.</p> <p>Summary: Standard S-9503.V3.0 was Adopted in 2020 and Last Revised in 2022 and is attached to this Circular in PDF format.</p> <p>Implementation Date: S-9503.V3.0 will be incorporated into the next issue of the MSRP Section K-VI Railway Data Management and Communications. Insert the revised copy into your copy of the MSRP Section K-VI.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: If Section K-VI is a required publication for your location, be sure to download the revised S-9503.V3.0. with this circular and insert it into your copy, deleting the existing version.</p>
C-14090 Dec. 16, 2022	<p>Subject: AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Control System Architecture, Standard S-9101.V1.2.1.</p> <p>Summary: Standard S-9101.V1.2.1 was Adopted in 2012 and Last Revised in 2022 and is attached to this Circular in PDF format.</p> <p>Implementation Date: S-9101.V1.2.1 will be incorporated into the next issue of the MSRP Section K-II Locomotive Electronics and Train Control System Architecture. Insert the revised copy into MSRP Section K-VI.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: If Section K-II is a required publication for your location, be sure to download the revised S-9101.VI.2.1 attached with this circular and insert it into your copy, deleting the existing version.</p>
C-14091 Dec. 16, 2022	<p>Subject: AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Control System Architecture, Standard S-9102.V1.0.</p> <p>Summary: S-9102.V1.0 specifies an industry-standard architecture that defines the conventions for integrating time services on board new road locomotives. This standard applies to all new time service devices ordered after January 1, 2022. It also provides guidance for retrofitting older locomotives.</p> <p>Implementation Date: Standard S-9102.V1.0 was Adopted in 2022 and is attached to this Circular in PDF format. S-9102.V1.0 will be incorporated into the next issue of the MSRP Section K-II Locomotive Electronics and Train Control System Architecture. Insert the revised copy into MSRP Section K-II.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: If Section K-II is a required publication for your location, be sure to download the revised S-9102.VI.0 attached with this circular and insert it into your copy, deleting the existing version.</p>

<p>C-14092 Dec. 19, 2022</p>	<p>Subject: Canadian Car Repair Facility Labor Rate – Effective January 1, 2023.</p> <p>Summary: The Canadian Car Repair Billing Labor Rate for January 1, 2023 is \$239.37 CAD (Two hundred and thirty-nine Canadian dollars and thirty-seven cents). This represents an increase of \$0.28 CAD (Twenty-eight Canadian cents) from the calculation for October 1, 2022.</p> <p>Implementation Date: January 1, 2023.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Details are noted within this circular.</p>
<p>C-14094 Dec. 20, 2022</p>	<p>Subject: Implementation of Revisions to MSRP Section I, Intermodal Equipment Manual, M-998, IBC Handle Requirement.</p> <p>Summary: This circular letter is to notify the industry of revisions to MSRP Section I, Intermodal Equipment Manual, M-998, IBC Handle Requirements, regarding the orientation, length, and diameter of the IBC handle to improve ease of operation.</p> <p>Implementation Date: Revised standard M-998, is attached, to this circular and effective immediately.</p>	<p>Car Type: Intermodal</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: This modification will be incorporated in the next issue of the Manual of Standards and Recommended Practices, Section I. If Section I is a required publication for your facility, be sure to remove the existing M-998 and replace it with the revised one.</p>
<p>C-14096 Dec. 29, 2022</p>	<p>Subject: Implementation of Revisions to MSRP Section C Part II, M-1001 Design, Fabrication, and Construction of Freight Cars, and Section C Standard S-286. Freight Car and Draft Pocket Design Requirements.</p> <p>Summary: This circular letter is to notify the industry of the revisions listed within this circular. Changes influence draft pocket design requirements and were preliminarily implemented and fully described in Circular Letter C-13937 published on March 3, 2022.</p> <p>Implementation Date: Effective January 1, 2023.</p>	<p>Car Type: Freight</p> <p>Car Owner: Yes, for new design</p> <p>Repair Shop: No</p> <p>Comments: These changes are now fully implemented and effective January 1, 2023. Modifications will be incorporated in the next issues of the Manual of Standards and Recommended Practices, Sections C and C-II.</p>

Changes Pending 30-Day (Generally) Comment Period from Date of Circular		
<p>C-14085 Dec. 9, 2022</p>	<p>Subject: Proposed Revisions for MSRP, Section M, locomotives, and locomotive interchange equipment: standard S-5020 – color code for identifying fluids on locomotive</p> <p>Summary: this circular letter is to solicit comments on the Locomotive Committee proposed revisions and additions to the AAR Manual of Standards and Recommended Practices (MSRP), Section M, Standard: S-5020 – color code for identifying fluids on locomotive.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the Locomotive Committee and appropriate revisions,</p>	<p>Car Type: Railroads/Locomotives</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: A draft of S-5020 with the proposed revisions is attached to this circular.</p>
<p>C-14088 Dec. 16, 2022</p>	<p>Subject: DRAFT S-9452E.V1.0 - Cellular and Wi-Fi Dictionary is available for review and comment, in support of MSRP - Section K-V, Electronics Environmental Requirements and Systems Management.</p> <p>Summary: The Positive Train Control Interoperability Committee (PTCIC) of the Association of American Railroads (AAR) is publishing DRAFT Standard S-9452E.V1.0 Cellular and Wi-Fi Dictionary for review and comment.</p> <p>Implementation Date: This document will have a 30-day comment period. The time will begin with the posted date.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: The purpose of this document is to list a set of common data dictionary variables and events for cellular and Wi-Fi devices. Railroads and vendors may implement additional data dictionary variables and events for their own systems management purposes.</p>
<p>C-14088 Dec. 16, 2022</p>	<p>Subject: DRAFT S-9452E.V1.0 - Cellular and Wi-Fi Dictionary is available for review and comment, in support of MSRP - Section K-V, Electronics Environmental Requirements and Systems Management.</p> <p>Summary: The Positive Train Control Interoperability Committee (PTCIC) of the Association of American Railroads (AAR) is publishing DRAFT Standard S-9452E.V1.0 Cellular and Wi-Fi Dictionary for review and comment.</p> <p>Implementation Date: This document will have a 30-day comment period. The time will begin with the posted date.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: The purpose of this document is to list a set of common data dictionary variables and events for cellular and Wi-Fi devices. Railroads and vendors may implement additional data dictionary variables and events for their own systems management purposes.</p>

<p>C-14089 Dec. 16, 2022</p>	<p>Subject: DRAFT S-9354.V3.0 - Edge Message Protocol is available for review and comment in support of MSRP - Section K-IV, Office Architecture and Railroad Electronics Messaging</p> <p>Summary: The Positive Train Control Interoperability Committee (PTCIC) of the Association of American Railroads (AAR) is publishing DRAFT Standard S-9354.V3.0 Edge Message Protocol for review and comment.</p> <p>Implementation Date: This document will have a 30-day comment period. The time will begin with the posted date.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: This document specifies the Edge Message Protocol (EMP) message envelope. It describes the fields of the envelope, their semantics, and commentary about their use. Sufficient detail for implementation is provided.</p>
<p>C-14095 Dec. 28, 2022</p>	<p>Subject: Proposed New Standard for MSRP, Section M, locomotives, and locomotive interchange equipment: Specification M-915 – Quality Assurance requirements for locomotives and locomotive components.</p> <p>Summary: This circular letter is soliciting comments for a newly proposed specification addition to the AAR Manual of Standards and Recommended Practices (MSRP) Section M, Specification: M-915 – Quality Assurance requirements for locomotives and locomotive components.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the Locomotive Committee and appropriate revisions, if any, will be made prior to implementation.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: A draft of proposed specification M-915 is attached to this circular.</p>
<p>General Information for the Industry</p>		
<p>C-14093 Dec. 20, 2022</p>	<p>Subject: January 2023 Field and Office Manuals, Summary of Comments, and Implementation Details.</p> <p>Summary: Shown within this circular is a recap of those letters seeking industry comment, an indication of comments received (if any), consideration and implementation details. Unless otherwise noted, the Rule changes are for the Field Manual.</p> <p>Implementation Date: Changes to Office Manual Rule 88 will be included in the January 2023 Office Manuals.</p>	<p>Car Type: Industry Information</p> <p>Car Owner: No</p> <p>Repair Shop: Possible</p> <p>Comments: As a reminder, Implementation Circular C-13937 was issued on 3/3/22.</p>