

To: Distribution List

Subject: October 2021 AAR Circular Letter Summary

The October 2021 summary includes the (19) 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-13852 Oct. 5, 2021	<p>Subject: Implementation of Revised MSRP Section S, Casting Details, 2021.</p> <p>Summary: AAR’s Coupling System and Truck Castings Committee (CSTCC) has announced a new edition of the MSRP, Section S, Casting Details is now available for purchase.</p> <p>Implementation Date: The revised MSRP Section S is now available in both printed and electronic versions. Current pricing is available online at www.aarpublishings.com where the manual can be purchased.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: Yes</p> <p>Comments: If Section S is a required publication for your facility, be sure to obtain the PDF or hard copy and update your master document list.</p>

<p>CPC-1376 Oct. 5, 2021 (reissued from March 19, 2021)</p>	<p>Subject: Implementation of Revisions to MSRP Section C-III, Specification for Tank Cars (M-1002), Chapter 1 and Appendix T (Docket T88.1-93).</p> <p>Summary: Chapter 1: Revised definitions of Nondestructive testing (NDT) and NDT Level III to align with M-1002 Appendix T. Appendix T:</p> <ul style="list-style-type: none"> • Specifies NDT Level III must be certified by the American Society for Nondestructive Testing (ASNT) or the Canadian General Standards Board (CGSB). • Adds Hydrostatic Leak Testing as an NDT technique. • Adds Electromagnetic Testing (ET) as an NDT method. • Revised the Automated Ultrasonic Testing NDT technique. • Revised Visual Inspection (VT) NDT method. <p>Implementation Date: March 19, 2021</p>	<p>Car Type: Tank Cars</p> <p>Car Owner: Yes (shop costs)</p> <p>Repair Shop: Yes</p> <p>Comments: *See comments at the end of this summary directly from this CPC.</p>
<p>C-13858 Oct. 5, 2021</p>	<p>Subject: Revisions to MSRP Section H-II, Roller Bearing Manual, Standard S-723 Rule 3, Vented Backing Rings and Maintenance Specifications.</p> <p>Summary: This circular letter is to notify the industry of revisions to MSRP Section H-II, Roller Bearing Manual, S-723 Rule 3. The attached revision includes updates to the bearing maintenance specifications.</p> <p>Implementation Date: S-723 is now implemented and effective immediately. This modification will be incorporated in the next issue of the Manual of Standards and Recommended Practices, Section H-II.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: If Section H-II is a required publication for your location, be sure to download the revised S-723 and update your manual.</p>
<p>C-13855 Oct. 12, 2021</p>	<p>Subject: Revised MSRP Section H-II, Roller Bearing Manual, 2021.</p> <p>Summary: The AAR’s Wheels, Axles, Bearings, and Lubrication Committee (WABL) announces a new edition of the Manual of Standards and Recommended Practices, Section H-II, Roller Bearing Manual.</p> <p>Implementation Date: The revised MSRP Section H-II is now available in both printed and electronic versions. Current pricing is available online at www.aarpublishings.com where the manual can be purchased.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: Possible</p> <p>Comments: All previously implemented standards and specifications are included in this print of Section H-II. If Section H-II is a required publication for your location, be sure to purchase the updated manual and update your master document list.</p>

<p>C-13860 Oct. 25, 2021</p>	<p>Subject: AAR Manual of Standards and Recommended Practices (MSRP), Section K-II Locomotive Electronics and Train Control System Architecture, Standard S-9103.V1.0.</p> <p>Summary: The purpose of Standard S-9103.V1.0 is to set forth the requirements for the PNM ICD. This standard specifies an industry-standard ICD that defines high precision navigation messages for PNMs on locomotives. The standard applies to all new PNM devices ordered after January 1, 2021.</p> <p>Implementation Date: Standard S-9103.V1.0 was adopted and implemented in 2021 and is attached to this Circular in PDF format.</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 update it with the latest copy of S-9103.V.1.0.</p>
<p>C-13862 Oct. 26, 2021</p>	<p>Subject: Implementation of Revisions to Figures 21-F, 83-A, 83-B, and 88-L – Section 6 of the AAR Open Top Loading Rules Manual (OTLR).</p> <p>Summary: The AAR's Open Top Loading Rules Committee (OTLRC) has approved various revisions to Section 6 OTLR manual for Figures 21-F, 83-A, 83-B, and 88-L.</p> <p>Implementation Date: The implementation of these revisions is effective immediately and will be included in the next edition of the OTLR manual.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>
<p>C-13863 Oct. 26, 2021</p>	<p>Subject: Implementation of Revision to Figure 1-D: Transformers on Flatcars – Section 3 of the AAR Open Top Loading Rules Manual (OTLR)</p> <p>Summary: The AAR's Open Top Loading Rules Committee (OTLRC) has approved various revision to Section 3 OTLR manual for Figure 1-D.</p> <p>Implementation Date: The implementation of this revision is effective immediately and will be included in the next edition of the OTLR manual.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>

<p>C-13864 Oct. 26, 2021</p>	<p>Subject: Implementation of Revisions to General Rules 20, 22 and 42 – Section 1 of the AAR Open Top Loading Rules Manual (OTLR).</p> <p>Summary: The AAR's Open Top Loading Rules Committee (OTLRC) has approved various revisions to Section 1 OTLR manual for General Rules 20, 22 and 42.</p> <p>Implementation Date: The implementation of this revision is effective immediately and will be included in the next edition of the OTLR manual.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>
<p>C-13867 Oct. 28, 2021</p>	<p>Subject: Implementation of Revision to Figure 54-B: Lumber on Center A-Frame Flatcars – Section 5 of the AAR Open Top Loading Rules Manual (OTLR).</p> <p>Summary: The AAR's Open Top Loading Rules Committee (OTLRC) has approved the noted revisions within this circular to Section 5 OTLR manual for Figure 54-B.</p> <p>Implementation Date: The implementation of this revision is effective immediately and will be included in the next edition of the OTLR manual. Insert the circular attachments for Figure 54-B in your Section 5 copy.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>
<p>C-13868 Oct. 28, 2021</p>	<p>Subject: Implementation of Revisions to Figures 29-B, 43-R, and 263 – Section 2 of the AAR Open Top Loading Rules Manual (OTLR).</p> <p>Summary: The AAR's Open Top Loading Rules Committee (OTLRC) has approved the noted revisions within this circular to Section 2 OTLR manual for Figures 29-B, 43-R, and 263.</p> <p>Implementation Date: The implementation of these revisions is effective immediately and will be included in the next edition of the OTLR manual. Insert the circular attachments for Figures 29-B, 43-R, and 263 in your Section 2 copy.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>

Changes Pending 30-Day Comment Period from Date of Circular		
<p>C-13856 Oct. 14, 2021</p>	<p>Subject: Solicitation of Comments to archive Figures 1-C, 23, 35, 36, 37, 37-A, 37-B, 38, 40, 40-A, 41, 42, 45, 46, 47, 47-A, 48, 49, 49-A, 49-B, 50, 51, 51-A, 52, 77, 240, and 241 – Section 3 of the AAR Open Top Loading Rules Manual (OTLR).</p> <p>Summary: The purpose of this circular letter is to solicit comments to archive Figures noted above. The AAR's Open Top Loading Rules Committee (OTLRC) believes these figures are no longer used for load preparation, so there is no value in retaining these figures in the OTLR manual. Below is the reason to archive these figures.</p> <p>Implementation Date: All comments, relevant to these figures, received within 30 days from the date of this Circular Letter will be considered by the OTLR Committee prior to any action.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Railroads are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>
<p>C-13857 Oct. 14, 2021</p>	<p>Subject: Solicitation of comments to the industry requesting participation in the manufacturing and testing of Corner Protectors designed for Type 1A non-metallic strapping – General Rules Section 1 of the AAR Open Top Loading Rules Manual (OTLR)</p> <p>Summary: The AAR Open Top Loading Rules (OTLR) committee has created minimum requirements for design of corner protectors, currently listed in General Rule 19.4.</p> <p>Implementation Date: All comments, relevant to this topic, received within 30 days from the date of this Circular Letter will be considered by the OTLR Committee prior to any action.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Railroads are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>

<p>C-13859 Oct. 21, 2021</p>	<p>Subject: Solicitation of Comments for Revisions to AAR Intermodal Interchange Rules, Preface, Appendix B, and Appendix F, Units Definition, Climate Controlled Unit Cages Correct Repair Procedures, and Why Made Code Update.</p> <p>Summary: This circular letter is to solicit comments for proposed revisions to AAR Intermodal Interchange Rules, Preface, Appendix B, and Appendix F. The Preface was updated to clarify the equipment included in the term "units". Appendix B was updated to add the correct repair procedures for cages that protect climate control units. Appendix F Why Made Codes was updated to include the correct repairs for climate control unit cages and all Why Made Codes have been update to two digits.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the Intermodal Committee prior to acting on the revisions which are the subject of the comments.</p>	<p>Car Type: Intermodal</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: There are no costs associated with implementation of the revisions.</p>
<p>C-13861 Oct. 25, 2021</p>	<p>Subject: Draft S-9503.V3.0 - ITC Subdivision File Format is available for review and comment. In support of AAR's MSRP - Section K-IV, Railway Data Management and Communications.</p> <p>Summary: The Positive Train Control Interoperability Committee (PTCIC) of the Association of American Railroads (AAR) is publishing DRAFT Standard S-9503.V3.0 - ITC Subdivision File Format for review and comment.</p> <p>Implementation Date: In order to provide time for review and comment, this document will have a 7-day comment period. All comments will be available for review.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Interested parties should review the proposed revisions and if necessary, provide comments as requested.</p>
<p>C-13861 Oct. 28, 2021</p>	<p>Subject: DRAFT S-9503.V3.0 - ITC Subdivision File Format is available for review and comment. In support of AAR's MSRP - Section K-IV, Railway Data Management and Communications.</p> <p>Summary: The Positive Train Control Interoperability Committee (PTCIC) of the Association of American Railroads (AAR) is publishing DRAFT Standard S-9503.V3.0 - ITC Subdivision File Format for review and comment.</p> <p>Implementation Date: In order to provide time for review and comment, this document will have a 7-day comment period. All comments will be available for review.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Interested parties should review the attached PowerPoint presentation from Railinc regarding the migration of and how to login to the RESC SharePoint site (all Railinc hosted sites were migrated).</p>

<p>C-13865 Oct. 28, 2021</p>	<p>Subject: DRAFT S-9362.V2.0 - Interoperable Train Control (ITC) Wayside to Locomotive Interface Control Document (ICD) is available for review and comment. In support of AAR's 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-9362.V2.0 - Interoperable Train Control (ITC) Wayside to Locomotive Interface Control Document (ICD) for review and comment.</p> <p>Implementation Date: In order to provide time for review and comment, this document will have a 7-day comment period. All comments will be available for review.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Interested parties should review the attached PowerPoint presentation from Railinc regarding the migration of and how to login to the RESC SharePoint site (all Railinc hosted sites were migrated).</p>
<p>C-13866 Oct. 28, 2021</p>	<p>Subject: DRAFT S-9202.V2.0 - Interoperable Train Control Wayside Interface Unit Requirements is available for review and comment. In support of AAR's MSRP - Section K-III, Wayside Electronics and Mobile Communications Architecture.</p> <p>Summary: The Positive Train Control Interoperability Committee (PTCIC) of the Association of American Railroads (AAR) is publishing DRAFT Standard S-9202.V2.0 - Interoperable Train Control Wayside Interface Unit Requirements for review and comment.</p> <p>Implementation Date: In order to provide time for review and comment, this document will have a 10-day comment period. All comments will be available for review.</p>	<p>Car Type: Railroads</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Interested parties should review the attached PowerPoint presentation from Railinc regarding the migration of and how to login to the RESC SharePoint site (all Railinc hosted sites were migrated).</p>
<p>General Information for the Industry</p>		
<p>C-13854 Oct. 11, 2021</p>	<p>Subject: Registration Is Now Open for the April 2022 AAR Quality Assurance Auditor & Industry Conference.</p> <p>Summary: (AAR) Quality Assurance Committee (QAC) is announcing the 34th Annual AAR Quality Assurance Auditor & Industry Conference to be held April 12-14, 2022, in Fort Worth, Texas.</p> <p>Implementation Date: The QA Conference Flyer which includes links to register for the conference and reserve hotel rooms is attached to this circular.</p>	<p>Car Type: Industry Information</p> <p>Car Owner: Possible</p> <p>Repair Shop: Possible</p> <p>Comments: Interested parties should download the flier and register for the conference.</p>

<p>C-13858 Oct. 21, 2021</p>	<p>Subject: Request for participation from manufacturers of automated single car test devices.</p> <p>Summary: A taskforce formed under AAR's Mechanical Committee is planning to hold a fact-finding meeting with interested organizations who are regularly established in the business of manufacturing and supplying automated single car air test devices (ASCT) for use in the North American freight rail industry.</p> <p>Implementation Date: Send the name of your firm, the names of your chosen representatives, and their email addresses to the undersigned via email at gdeibler@aar.org.</p>	<p>Car Type: SCABT Equipment Mfg.</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Topics are noted within this circular.</p>
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***Applicability of CPC-1376**

Hydrostatic Leak Testing (HLT) Technique: Hydrostatic leak testing is a requirement of the federal regulations and AAR M-1002 standard today for new tank car construction and certain repairs to tank car tanks.

The adoption of HLT into Appendix T of M-1002 now provides industry the minimum requirements for NDT procedures and qualification/certification of personnel for this technique.

Each facility that performs hydrostatic leak testing must incorporate HLT into their NDT program no later than January 1, 2022.

The AAR TCC has committed to review the current hydrostatic test procedure in Appendix D of M-1002 and have a sensitivity and reliability analysis performed to ensure adequacy to the federal regulations. The results will be shared with industry at a future date.

Visual Inspection (VT) NDT Method: With the revisions of the visual inspection (VT) NDT Method the industry through this CPC is being notified that visual weld inspection (VWI) that existed in the previous Appendix T will now become limited certification under VT for welds only.

Additionally, the AAR Tank Car Committee (TCC) has committed to review the current Chapter 1 terms of "visual" and "visual inspection" within M-1002 and determine when visual inspection must be conducted in accordance with Appendix T. It is the intent of the AAR TCC to complete this action prior to the republication of the M-1002.