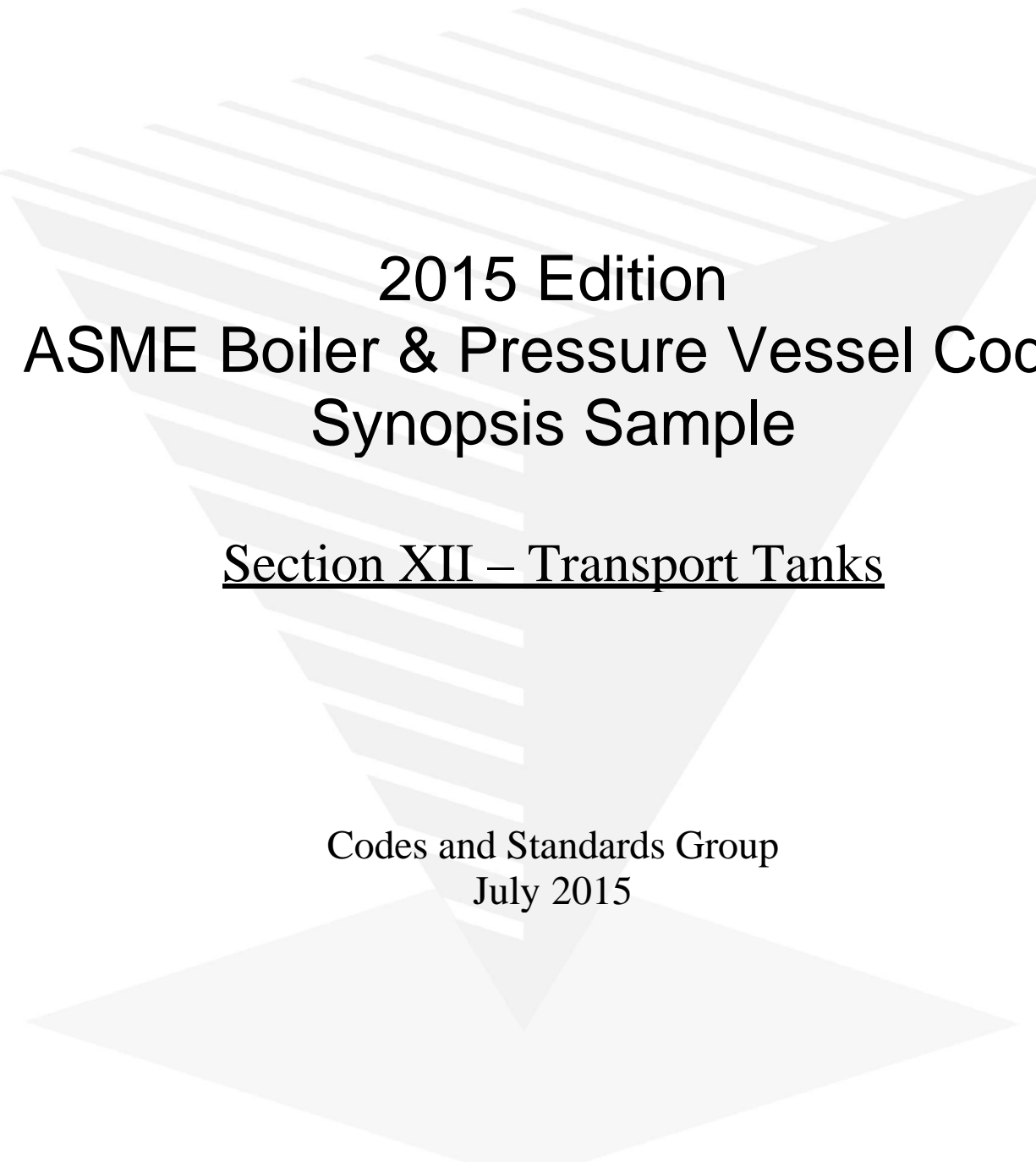


HSB Global Standards



2015 Edition
ASME Boiler & Pressure Vessel Code
Synopsis Sample

Section XII – Transport Tanks

Codes and Standards Group
July 2015

For a full copy, please use link: <https://www.bsbedge.com/asmebpvcsynopsis>

HSB Global Standards
ASME Boiler and Pressure Vessel Code 2015
Edition Synopsis – Executive Summary

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2015 ASME Code Addenda Synopsis

The 2015 Edition of the ASME Boiler and Pressure Vessel Code was published on July 1, 2015, and includes revisions, additions and errata approved by the ASME B&PV Standards Committees in 2013 and 2014. The mandatory implementation date for the 2015 Edition is six months from the date of publication, or January 1, 2016. However Manufacturers may begin using the 2015 Edition beginning with the date of issuance.

There will be no addenda issued to this edition, and this edition will remain valid until publication of the 2017 edition in July of 2017. Changes that have taken place in the 2015 Edition are indicated by “(15)” in the margin adjacent to the affected paragraph/figure/table.

Code Case Supplements continue to be published four times per year and republished as a new Edition on a cycle concurrent with the rest of the Code.

Interpretations of the Code have historically been posted in January and July at <http://cstools.asme.org/interpretations>. However interpretations approved between January 1, 2013 and December 31, 2014 have been included with the publication of the applicable Section of the Code in the 2015 Edition as Volume 63. Following the 2015 Edition, interpretations will not be included in the edition; they will be issued in real time in ASME's Interpretation Database at: <http://go.asme.org/Interpretations>. This online Interpretation database also contains previously approved BPVC interpretations dating back to 1977.

Errata [publishing errors identified in the Code] are reviewed and approved by the Committee four times a year and posted on ASME's website. Information regarding “Special Notices” and “Errata” is published under the ASME Boiler and Pressure Vessel Code Resources Page at: <http://cstools.asme.org/BPVErrataAndSpecialNotice.cfm>.

ASME offers users the option to receive an e-mail notification when “Special Notices” or “Errata” are posted on their Web site. This will be especially useful now that annual Addenda are no longer published.

Nearly 1200 changes are itemized in this Synopsis. Many of these changes are the result of new technology and/or at the request of Certificate Holders like you.

This Synopsis was prepared by the HSB Global Standards (HSB GS) Codes & Standards staff to provide insight into the intent of these changes, and their potential impact on Code users. Each item that passed the ASME B&PV Standards Committee for the 2015 Edition was entered into the Synopsis database. The “Subject” and “Description” were created by HSB CT personnel involved with the cognizant Code Section Standards Committee, and each entry was checked against the published standard to verify that it made it into publication. This particular report contains a summary of changes for the three Divisions of Section VIII Pressure Vessel Code, as well as the three reference codes, Sections II (Materials), V (Nondestructive Examination) and IX (Welding, Brazing and Fusing Qualifications).

Commentary on revisions represents HSB Global Standard's opinion of the changes, and is not intended to be an official interpretation of the ASME Code. Every effort was made to accurately describe the changes. However, we caution Code users to always refer to the actual Code rules that apply and to use this document as a supplementary tool to the Code. Please contact HSB GS Codes & Standards Group if further background information is desired on any of the revisions or Code Cases.

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Synopsis of the 2015 Edition of the ASME BPV Code - Section XII Transport Tanks

TR-200, TR-210.3, TR-300, TR-310, TR-310.3, TR-310.4, TR-310.6, TR-320, TR-310.3, TR-310.4, TR-320.6, TR-510, TR-520, TR-530, TR-540	Revision	<p>Revisions to Article TR-2, TR-3 and TR-5 - Part TR was revised to harmonize these requirements for pressure relief devices (PRD) with the requirements of Section VIII, Div. 1 and other applicable sections of ASME Boiler and Pressure Vessel codes.</p> <p>TR-200(b) -Impose responsibilities to the Manufacturer or Assembler for initial valve spring adjustments and providing a valve data tag with set pressure, capacity and date.</p> <p>TR-200(c) -Set pressure tolerances revised. Customary units are now in parenthesis.</p> <p>TR-210.3 (a) -Replaced “capacity certification testing” to “Capacity Certification”</p> <p>TR-210.3 (b) -Replaced “(including capacity tests)” to “including capacity”.</p> <p>TR-210.3(c) -The Manufacturer or Assembler permission to apply the TV Code Symbol Stamp expires on the 6th anniversary of the date initially granted and not on the 5th anniversary.</p> <p>TR-210.3(c)(1) -Additional requirements to PRDs having adjustable blowdown construction were incorporated for the positioning of the control elements for a blowdown typical of production methods.</p> <p>TR-210.3(c)(2) -Adjustment to blowdown PRD’s with adjustable blowdowns shall be made to meet performance condition repeating the operational and capacity tests when such valves exhibits a blowdown exceeding 7% of the set pressure or 3 psi. whichever is greater.</p> <p>TR-210.3(c)(3) -Added “pressure relief” in front of “valve” in two places.</p> <p>TR-210.3(c)(4)(d) -Specific conditions were established for Assemblers transferring original and unmodified pressure relief parts to other Assemblers. New Paragraph (e) establishes specific conditions for the Assemblers who wants to convert original finished parts to valve springs. New Paragraph (f) adds the markings requirements for the Manufacturers and final Assemblers consisting of both names and the Code Symbol Stamp of the final Assembler.</p> <p>TR-300(a) -Added last sentence prohibiting the use of fusible plugs as a sole overpressure protection device.</p> <p>TR-300(b) -It references Paragraph TR-310.5(b) for establishing the burst pressure of non reclosing PRD’s. Establishes burst pressure tolerance of ± 15 kPa (± 2 psi) for marked burst pressures up to and including 300 kPa (40 psi) and a tolerance of $\pm 5\%$ for marked pressure above 300 kPa (40 psi).</p> <p>TR-310.3 -Added “and pressure parts” between “holders” and “shall”.</p> <p>TR-310.4(c) -Changed “fifth” to “sixth” and “5” to “6”.</p> <p>TR-310.4(c)(3) -Added “or exceed” between “meet” and “the performance”.</p> <p>TR-320- Requirements for pin devices were revised extensively. New Paragraphs TR-320.1, TR-320.2, TR-320.3, TR-320.4, TR-320.5, TR-320.6 were added.</p> <p>TR-510- This paragraph provides marking requirements for valves with a minimum size of DN 15 (NPS ½), location of marking in accordance with TS-130 and a list of the minimum required markings.</p> <p>TR-510(a) -Revised “Manufacturer or Assembler” to “Manufacturer and the Assembler”</p> <p>TR-510(c), (d), (e) - Provides a list of the minimum required markings, size in DN or NPS, set pressure, certified capacity for valves certified on water or air or other fluids per the new mandatory Appendix XIX.</p> <p>TR-510(g) -Rules for establishing the application of the Certification Mark with TV Designator for the pilot of a pilot operated valve were added. A metal tag is permitted for valves smaller of DN 15 (NPS ½). Paragraphs (h) and (i) were added.</p> <p>TR-520(a) -An acceptable Manufacturer’s abbreviation is now permitted. TR-520(e) to TR-520(h) and TR-520(j) complete update. TR-520(k) Changed “(a), (b), and (e)” to “(a),(b),(e),(j), and (k)” New paragraph TR-520.1.</p> <p>TR-530 -Revision addresses specific rules for the marking and certification of pin devices and includes a list of required markings.</p> <p>TR-540 -Establishes the marking requirements for valves installed in combination with rupture disks devices and provides a list of required markings.</p>
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