

Date Distributed:



*THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS*

NATIONAL BOARD INSPECTION CODE COMMITTEE

MAIN SESSION AGENDA

Meeting of January 15, 2026
New Orleans, LA

The National Board of Boiler & Pressure Vessel Inspectors
1055 Crupper Avenue
Columbus, Ohio 43229-1183
Phone: (614)888-8320
FAX: (614)847-1828

1. Call to Order

The Chair will call the meeting to order at 9:00 a.m. Central Time.

2. Introduction of Members and Visitors

3. Check for a Quorum

4. Awards/Special Recognition

Mr. Mike Richards – 25 years on Main Committee

5. Announcements

- This meeting marks the end of Cycle C for the 2027 NBIC edition.
- As a reminder, anyone who would like to become a member of a group or committee:
 - Should attend at least two meetings prior to being put on the agenda for membership consideration. The nominee will be on the agenda for voting during their third meeting.
 - The nominee must submit the formal request along with their resume to the NBIC Secretary **PRIOR TO** the meeting. nbicsecretary@nbbi.org
 - If needed, we can also create a ballot for voting on a new member between meetings.
- Thank you to everyone who registered online for this meeting. Online registration is very helpful for planning our reception, meals, room setup, etc. It is also a good way to make sure we have the most up-to-date contact information. Please continue to use the online registration for each meeting.

6. Adoption of the Agenda

Additions:

Subcommittee Inspection – Item 25-81

Subcommittee Repairs & Alterations – Items 25-83, 25-84, and 25-85

Subcommittee Pressure Relief Devices – Item 25-80

Subcommittee Installation – Item 25-86

7. Approval of the Minutes of the July 2025 Meeting

The minutes are available for review online at <https://www.nationalboard.org/Index.aspx?pageID=13&ID=18>.

8. Items Approved for the 2027 NBIC

A list of items approved for the 2027 edition of the NBIC can be found on Attachment Page 1

9. Subcommittee Reports

a. Subcommittee Inspection

i. Interpretations

Item Number: 25-02	NBIC Location: 2023 NBIC, Part 2, 4.4.7.3 and 4.5.3 b)
General Description: Overriding Part 2 Inspection Requirements with RBI Program	
Subgroup: Inspection	
Task Group: D. Graf (PM), J. Beauregard, J. Sowinski, J. Mangas, L. Burton, B. Ray	
Submitted by: Riley Collins	
Explanation of Need: There needs to be some clarity on whether an RBI program has the ability to override some of the inspection requirements listed in Part 2 as long as all jurisdictional requirements are met.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-34	NBIC Location: 2023 NBIC, Part 2, 2.3.6.2 b) 2) a. 3.
General Description: Interpretation request into the NBBI for the NB-23 2023 paragraph 2.3.6.2	
Subgroup: Inspection	
Task Group: C. Becker (PM), J. Beauregard, D. Fulford, J. Holland, V. Newton, J. Clark	
Submitted by: Ari Ben Swartz	
Explanation of Need: Numerous air receivers are found to be less than the required wall thickness.	
July 2025 Meeting Action: Mr. Horbaczewski stated that work is still being done on this item.	

Item Number: 25-39	NBIC Location: Part 2, 5.2.1
General Description: Replacement of Stamped Data	
Subgroup: Inspection	
Task Group: C. Becker (PM), C. Moultrie, R. Kennedy, K. Barkdoll, J. Smith, B. Ross, J. Clark	
Submitted by: Gary Scribner	
Explanation of Need: ASME Certificate Holders who are successor organizations, are confusing the requirements of ASME CA-1, section 5.4 which allows the original manufacture or an successor organization to reapply the ASME Single Certification Mark and designator to allow them to put the name of the successor organization on the nameplate.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-58	NBIC Location: Part 2, 5.2.1 f)
General Description: Replacement of Stamped Data Subgroup: Inspection Task Group: None assigned. Submitted by: T. Hellman Explanation of Need: If the applicable letter of the alphabet depicting the Code of Construction is NOT allowed to be stamped on a replacement nameplate, then the replacement nameplate will need to have additional stamping/markings to identify the Code of Construction.	
January 2026 Meeting Action:	

ii. **Action Items – Old Business**

TG FRP Items:

Item Number: NB16-1402	NBIC Location: Part 2, New Supplement
General Description: Life extension for high pressure FRP vessels above 20 years Subgroup: FRP Task Group: M. Gorman (PM) Background: In 2016, when this item was first opened, it was assigned as an item for Part 3. Recent discussions with SC R&A and the FRP Task Group have revealed that this item is better suited for Part 2. This item has been approved by the FRP Task Group. Scope: The goal of this proposal is to provide a method to evaluate whether the service life of high-pressure fiber reinforced plastic pressure vessels can be extended for an additional lifetime. July 2025 Meeting Action: Mr. Horbaczewski stated that a letter ballot for this item will be submitted to Subcommittee Inspection.	

TG Historical Items:

Item Number: 23-85	NBIC Location: Part 2, S2.14.7
General Description: Review paragraphs to replace with proper verbiage	
Subgroup: SG Historical Task Group: M. Wahl (PM), K. Anderson	
Explanation of Need: There is some slang and second person (POV) verbiage throughout these paragraphs. Recommend rewording with proper terminology (such that it could be understood internationally) and changing point of view (e.g., changing "you're pulling water" to "water is being pulled"). Since I don't have the technical knowledge to know what is slang and what isn't, what I have proposed will still need to be reworded.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

TG Locomotive Items:

Item Number: 25-05	NBIC Location: Part 2, S1.2.4.22
General Description: Washout plug engagement limits for locomotive boilers.	
Subgroup: Locomotive Task Group: L. Moedinger (PM)	
Explanation of Need: There is no current wording for washout plug engagement.	
July 2025 Meeting Action: Mr. Horbaczewski presented a proposal for this item. After reviewing the proposal, Main Committee requested that the proposal be sent out as a letter ballot to allow for additional research on the subject. The proposal will be balloted prior to the January 2026 meeting.	

Item Number: 25-16	NBIC Location: Part 2, S1.2.4.22
General Description: Washout plug obstructions	
Subgroup: Locomotive Task Group: T. Sposato (PM)	
Explanation of Need: Analyze possible issues.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-41	NBIC Location: Part 2, 6.2 and 6.3
General Description: Evaluation of corrosion Subgroup: Locomotive Task Group: T. Sposato (PM) Explanation of Need: Supplement 1 does not provide details on evaluating local corrosion or pitting. Supplement 1 should address routine conditions found during UT that do not effect the overall safety of a component.	
January 2026 Meeting Action:	

SG Inspection Items:

Item Number: 23-81	NBIC Location: Part 2, 4.4.3 b)
General Description: Evaluate Inspector responsibilities relating to 4.4.3 FFS Subgroup: Inspection Task Group: M. Horbaczewski (PM), J. Clark, & B. Ray Submitted by: R. Underwood Explanation of Need: Currently, 4.4.3-b states the Inspector shall review the condition assessment methodology and ensure the inspection data and documentation are in accordance with Section 4. This proposal would redefine the role and responsibility of the Inspector.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 24-03	NBIC Location: Part 2, S6
General Description: Wording Updates for Clarity Subgroup: Inspection Task Group: B. Wilson (PM), R. Kennedy, and J. Smith Submitted by: L. Ponce Explanation of Need: Part 2 Supplement 6 should be revised to align with Part 3, Suppl 6 and the DOT. A few references are S6.4.2 a), S6.4.2 c), S6.4.4, S6.4.5, S6.4.6, and S6.4.6.1. However, this may not be an all-inclusive list.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 24-37	NBIC Location: Part 2, 2.2.10
General Description: Add language in the event boiler can't be secured at the time of inspection Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella Explanation of Need: In some circumstances boilers cannot be shut down and a dead man switch is not allowed. July 2025 Meeting Action: Mr. Horbaczewski stated that the proposal for this item will be sent to the Subgroup for a vote.	

Item Number: 24-42	NBIC Location: Part 2, 2.4.1 and 2.4.4
General Description: Add language to NBIC Part 2 in regards to piping inspections Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella Explanation of Need: Two fatal incidents resultant from radiator failure prompted an ask for these changes. July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 24-62	NBIC Location: Part 2, Section 2
General Description: Temporary Boiler Inspection Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella Explanation of Need: No guidance for inspectors for temporary boiler inspections. July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 24-76	NBIC Location: Part 2, S7.9
General Description: Revision to Part 2, S7.9 Subgroup: Inspection Task Group: None assigned. Submitted by: James Roberts Explanation of Need: Currently commercially refurbishers can inspect pressure vessels per NBIC S7.8.1 through S7.8.5 and place back into service without any statement this inspection was completed and by who. July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 24-84	NBIC Location: Part 2, 2.3.6.10 and 2.3.6.11
General Description: Vessels above 10,000 psi reevaluation of remaining life Subgroup: Inspection Task Group: None assigned. Submitted by: Craig Bierl Explanation of Need: Inspectors need to be able to have a paper trail of the code integrity of these vessels. Changing the original data (in this case, designed cycle life) should ONLY be completed with the involvement of an authorized inspector and MUST be documented on a National Board form in order to be audited by the inservice inspector.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-23	NBIC Location: Part 2, 3.4.8
General Description: Add guidance for tube sag allowance Subgroup: Inspection Task Group: J. Jessick (PM), B. Ray, J. Sowinski, T. Bolden Submitted by: V. Scarcella Explanation of Need: Inspectors were asking for clarification and better guidance. Item needs a working group to consider language.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-27	NBIC Location: Part 2, 2.3.6.2, 2.3.6.4, 4.4, S7.8
General Description: Fitness-for-service coordination with API 579-1/ASME FFS-1 Subgroup: Inspection Task Group: B. Ray (PM), D. Graf, J. Hadley, J. Selensky, C. Moultrie, J. Jessick Submitted by: J. Hadley Explanation of Need: Alert users about situations where acceptance criteria in Part 2 may be less strict than API 579-1/ASME FFS-1.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-31	NBIC Location: Part 2, New Supplement
General Description: Add a supplement that lists the standard boiler and pressure vessel types Subgroup: Inspection Task Group: J. Safarz (PM), M. Mooney, M. Horbaczewski, M. Whitlock, B. Ross, R. Wallace Submitted by: V. Scarcella Explanation of Need: This would get states using the standard across the country both from a violation and object type.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-32	NBIC Location: Part 2, New Supplement
General Description: Referenced standards added supplement to NBIC Part II Subgroup: Inspection Task Group: W. Griffith (PM), J. Holland, J. Hadley, D. Fulford, M. Whitlock, J. Smith Submitted by: V. Scarcella Explanation of Need: Need working group to review and propose appropriate action.	
July 2025 Meeting Action: Mr. Horbaczewski provided a progress report for this item.	

Item Number: 25-76 (formerly 25-43)	NBIC Location: Part 2, 5.3.2
General Description: Revise NB-4, NB-6, & NB-7 Subgroup: Inspection Task Group: B. Ross (PM), B. Steinhart, K. Barkdoll, V. Scarcella, M. Mooney Submitted by: V. Scarcella Explanation of Need: Updates for clarity.	
July 2025 Meeting Action: Progress Report – A task group was created in the SG meeting.	

iii. New Items:

Item Number: 25-15	NBIC Location: Part 2, S12.7	
General Description: LCDSV Systems: Add Table and Figure		
Subgroup: SG Inspection (formerly SG Installation)		
Task Group: None assigned.		
Submitted by: M. Byrum		
Explanation of Need: In accordance with the NBIC Policy For Metrication, metric units need to be shown alongside US customary units. Tables in Part 2, S12.7 will need to match those done under Item 24-56 in Part 1, Table S3.6.1 and Figure S3.6.1-b both show only US customary units. I recommend adding a Table S12.7M and Figure S12.7M to show metric units.		
July 2025 Meeting Action: The NBIC Location and reference was entered incorrectly by the inquirer. This item should be forwarded to SG Inspection for action.		

Item Number: 25-54	NBIC Location: Part 2, 5.2.2 a)
General Description: NB-136 Instructions updated - 5.2.2 a)	
Subgroup: Inspection	
Task Group: None assigned.	
Submitted by: T. Hellman	
Explanation of Need: Clarification on the minimum documents to submit for filing with the NB, and consistency with the online NB-136 instructions is needed.	
January 2026 Meeting Action:	

Item Number: 25-55	NBIC Location: Part 2, 5.2.3
General Description: Rules for Replacing and Re-attaching Duplicate Nameplates Subgroup: Inspection Task Group: None assigned. Submitted by: A. Renaldo Explanation of Need: <ol style="list-style-type: none"> 1. Update title to clarify what is included in the section. 2. Change duplicate to “DUPLICATE” to match format in ASME Code. 3. Added guidance for when original manufacturer no longer exists. 4. Remove requirement to contact Jurisdiction to replace duplicate nameplate since the original Code of Construction did not require Jurisdiction involvement with the duplicate nameplate. 5. Clarify that the original manufacturer is not responsible for ensuring that the vessel still meets Code when asked to confirm if a detached duplicate nameplate corresponds to a particular vessel, or provide a replacement duplicate nameplate. 	
January 2026 Meeting Action:	

Item Number: 25-61	NBIC Location: Part 2, Form NB-136
General Description: Update Form NB-136 Subgroup: Inspection Task Group: None assigned. Submitted by: T. Clark Explanation of Need: <p>The most common issue with duplicate or replacement nameplates is incorrect stamping. Either the provided information is wrong, required information is missing, or ASME stamping is replicated without authorization. Inspectors do not seem to be familiar enough with the replacement process or ASME stamping requirements to catch mistakes. To prevent these mistakes from occurring, some jurisdictions are requiring Block 15 of Form NB-136 to be filled out prior to approval.</p> <p>Proposal: add a new block between the existing blocks 12 and 13. This block would require the applicant to provide a facsimile of their proposed stamping for review prior to jurisdictional approval. This will help more jurisdictions catch stamping errors before they occur.</p>	
January 2026 Meeting Action:	

Item Number: 25-64 NBIC Location: Part 2, S6.17
General Description: Revise definitions of "Normal Operating Loading" and "Poisonous Material" Subgroup: Inspection Task Group: None assigned. Submitted by: J. Ellis Explanation of Need: The U.S. DOT does not appear to have an official definition of "Normal Operating Loading", nor does the current definition seem to make sense. The existing definition for "Poisonous Material" in Part 2 is incomplete.
January 2026 Meeting Action:

Item Number: 25-68 NBIC Location: Part 2
General Description: Cryogenic Vessel Inspection Standard Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella Explanation of Need: Currently thousands of inspections are being done without any guidelines.
January 2026 Meeting Action:

Item Number: 25-69 NBIC Location: Part 2
General Description: Review 2025 ASME PVHO to make sure NBIC is up to date Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella Explanation of Need: Came up during the chiefs meeting in October.
January 2026 Meeting Action:

Item Number: 25-70 NBIC Location: Part 2, New Supplement
<p>General Description: Add Guidelines to Address Overpressure Protection by System Design</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: B. Viers</p> <p>Explanation of Need: Overpressure protection by system design is covered in ASME Section XIII Part 13, but no guidance exists in the NBIC to address inspections of these systems. This would be a new supplement in Part 2.</p>
January 2026 Meeting Action:

Item Number: 25-77 NBIC Location: Part 2, Table S6.13.11.2-b
<p>General Description: Corrections to Part 2, Table S6.13.11.2-b</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: J. Ellis</p> <p>Explanation of Need: The metric and standard units in this table are inverted in the table's title and in the table's first column. This was discovered during a review of the Spanish translation of Part 2.</p>
January 2026 Meeting Action:

Item Number: 25-79 NBIC Location: Part 2, S7.4
<p>General Description: Add a new paragraph to S7.4 to address nameplates during inspection.</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: J. Roberts</p> <p>Explanation of Need: S7.4 does not address inspecting the code nameplate on the pressure item or referencing where to go if the nameplate is lost, detached, or illegible.</p>
January 2026 Meeting Action:

b. Subcommittee Repairs & Alterations

i. Old Interpretation Requests:

Item Number: I25-40	NBIC Location: Part 3, 2.5.3.2
General Description: Fillet welds using alternative welding method #2	
Subgroup: Repairs and Alterations	
Task Group: P Becker (PM), J. Siefert	
Explanation of Need: Welding on non-pressure parts (P11B Pads) to the outside of a VIII Div 1 P11B Pressure Vessel. Welding method #4 speaks specifically about fillet welds, when welding method #2 does not specifically reference fillet welds. Is this a potential oversight and it can be done, or is it written this way to exclude fillet welds using welding method #2?	
July 2025 Meeting Action: Mr. Seime presented a progress report for this item.	

ii. New Interpretation Requests:

Item Number: I25-66	NBIC Location: Part 3, S6.19.4
General Description: Registering R-1 Forms for D.O.T. Cargo Tanks	
Subgroup: Repairs and Alterations	
Task Group: T. Seime (PM)	
Explanation of Need: Request ruling on if R-1 forms, including repairs of a routine nature, relating to repairs of D.O.T. cargo tanks built under ASME VIII code need to be registered with the national board & if they require a unique registration number for each individual form.	
January 2026 Meeting Action:	

iii. Action Items

TG Graphite Items:

Item Number: A24-67 NBIC Location: Part 3, S3.3
General Description: Requirement for G-mark when replacing parts Subgroup: Graphite Task Group: A Viet, J. Wince, S. Mehrez Explanation of Need: Clarifying requirements for use of graphite pressure vessel replacement parts for repairs or alterations. July 2025 Meeting Action: Mr. Viet provided a progress report for the item. PR

Item Number: A25-62 NBIC Location: Part 3, S3.5.4
General Description: Revise Part 3, S3.5.4 for clarity Subgroup: Graphite Task Group: A Viet Explanation of Need: Clarify the intent of the cement procedure to make acquiring materials more efficient. January 2026 Meeting Action:

Item Number: I25-63 NBIC Location: Part 3, S3.5.4
General Description: Field Plugging - Intent Interpretation for Part 3, S3.5.4 f) Subgroup: Graphite Task Group: A Viet Explanation of Need: Clarify S3.5.4f, concerning tube plugging kit materials. January 2026 Meeting Action:

TG FRP Items:

There are currently no FRP items open for Part 3.

TG Historical Items:

Item Number: 20-25	NBIC Location: Part 3, S2.13
General Description: Repair Procedure for Fire Boxes	
Subgroup: SG Historical	
Task Group: M. Wahl (PM), R. Forbes, T. Dillon, L. Moedinger, C. Jowett, F. Johnson	
Explanation of Need: In NBIC Part 3, S2.13.10.3, S2.13.11 do not define what to do at a riveted joint. On the tubesheet, or firedoor sheet, where it is flanged to rivet to the firebox, the repairs are silent on what to do at the riveted joint.	
July 2025 Meeting Action: Mr. Seime stated that work is still being done on this item.	

TG Locomotive Items:

Item Number: 24-77	NBIC Location: Part 3, S1.2.3k)
General Description: Clarify Alteration for transition from rigid to flexible bolts.	
Subgroup: TG Locomotive	
Task Group: M. Ray (PM), W. Fengler, T. Botti, J. Churchill	
Explanation of Need: This is omission from the code.	
February 2025 TG Locomotive Meeting Action: Mr. Ray discussed this item and stated he had not made a lot of progress with the proposal. The group reviewed section S1.2.3 of Part 3. Mr. Ray then presented a proposal he created to the TG. The TG made changes to the proposal, and a motion was made to accept the revised proposal. The motion was seconded and unanimously approved .	
July 2025 Meeting Action: Ms. Moore stated that a proposal will be balloted to Subcommittee R&A prior to the January 2026 meeting.	

Item Number: 24-79	NBIC Location: Part 3, S1.1.1 b)
General Description: Value of Default Tensile Strength Subgroup: TG Locomotive Task Group: M. Ray (PM) Explanation of Need: FRA mandates default of 50,000 psi but boilers built after 1921 have better than 55,000 psi steel.	
February 2025 TG Locomotive Meeting Action: Mr. Ray presented a proposal to the TG. After a short discussion, a motion was made to accept the proposal as presented. The motion was seconded, and then the TG had further discussion on whether the language in the proposal was contradictory to the language in Title 49, Part 230. After further discussion the proposal was revised. The motion and second was revised to accept the revised proposal. The chair called for the vote, and the revised proposal was unanimously approved. July 2025 Meeting Action: Ms. Moore stated that a proposal will be balloted to Subcommittee R&A prior to the January 2026 meeting.	

Item Number: 24-81	NBIC Location: Part 3, Table S1.1.3.1
General Description: Revise Table S1.1.3.1, Part 3, Section 6 Subgroup: TG Locomotive Task Group: R. Franzen (PM), T. Botti Explanation of Need: Need alternate material for Hollow Cylindrical Pressure Retaining Parts. Propose SA-106-B which is hollow seamless pipe to be used for super heater ball end parts. The new line-item title in the table would be "SH Unit Ball Ends", material options would be SA-106-B, SA-675, SA-696. Change first line item from Boiler Tubes & Flues, Arch Tubes, Superheater Units, change to Boiler Tubes & Flues, Arch Tubes, Superheater Units & Tubing. See other changes in table in RED.	
February 2025 TG Locomotive Meeting Action: Ms. Metzmaier reported that this item was omitted from the SC R& A January 2025 agenda. The proposal will be sent to letter ballot to the SC R&A for vote. No action was taken by the TG. July 2025 Meeting Action: Ms. Moore stated that a proposal will be balloted to Subcommittee R&A prior to the January 2026 meeting.	

Item Number: 24-106	NBIC Location: Part 3, S1.2.2
<p>General Description: S1.2.2 Threaded Staybolts, change wording concerning reduced body staybolts</p> <p>Subgroup: TG Locomotive</p> <p>Task Group: None Assigned</p> <p>Submitted by: R. Franzen</p> <p>Explanation of Need: Clarification on staybolts over 8" long is needed whether they need telltale holes or not in rigid, flexible, radial and crown bolts.</p>	
<p>February 2025 TG Locomotive Meeting Action: Mr. Franzen stated he has not created a proposal for this item. The TG had a lot of discussion over Part 3, S1.2.2. The TG is considering changing the layout of Part 3, S1.2.2 b) so it is more easily understood and easier to follow. Mr. Botti will work on the layout of this section with his restructure of telltale holes & flexible staybolts. The TG put together a proposal for changes to this section. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.</p> <p>July 2025 Meeting Action: Ms. Moore stated that a proposal will be balloted to Subcommittee R&A prior to the January 2026 meeting.</p>	

Item Number: 25-17	NBIC Location: Part 3, S1.2
<p>General Description: Part 3, S1.2 revisions</p> <p>Subgroup: TG Locomotive Task</p> <p>Group: T. Botti (PM) Submitted by: T. Botti</p> <p>Explanation of Need: This action item is to clean up S1.2 to more clearly convey requirements of the various locomotive staybolt designs. This action is intended as a cleanup of existing information; if requirements are added or removed they will be covered by further action items.</p>	
<p>Update: This item is currently being balloted to SC R&A.</p> <p>January 2026 Meeting Action:</p>	

NR Task Group Items:

Item Number: A23-60	NBIC Location: Part 3, 1.6
<p>General Description: Endorsements required for Nuclear Inspectors based on Category of work</p> <p>Subgroup: NR TG</p> <p>Task Group: C. Dinic (PM)</p> <p>Explanation of Need: Endorsements required for Nuclear Inspectors based on Category of work (1, 2, or 3)</p> <p>July 2025 Meeting Action: Mr. Spuhl stated that the proposal is still in development for this item.</p>	

Item Number: A24-09	NBIC Location: Part 3, 1.6.1 – 1.6.5
<p>General Description: Update and revise NR Scope in 1.6.1 - 1.6.5</p> <p>Subgroup: NR TG</p> <p>Task Group: R. Spuhl (PM)</p> <p>Explanation of Need: Scope and update and revision to 1.6.1 - 1.6.5.</p> <p>July 2025 Meeting Action: Mr. Spuhl reported that work is still being done on this item.</p>	

Item Number: A25-48	NBIC Location: Part 3, 1.6.2.1
<p>General Description: Update and revise NR Scope in 1.6.1 - 1.6.5</p> <p>Subgroup: NR TG</p> <p>Task Group: R. Spuhl (PM)</p> <p>Explanation of Need: The Task group believes most if not all of the Acronyms are already in the body of the book and/or glossary and this table can be removed.</p> <p>NR TG Jan. 2026 Meeting Action:</p>	

SG Repairs & Alterations Items:

Item Number: 21-53	NBIC Location: Part 3, S8.5 a)
<p>General Description: Post Repair Inspection of weld repairs to CSEF steels</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: P. Gilston (PM), E. Cutlip, A. Triplett</p> <p>Explanation of Need: The requirement for Inspector involvement in post-repair inspections to CSEF weld repairs is to ensure future safe operation of the boiler. This is a function of the inservice Authorized Inspection Agency, not the Repair Inspector, whose duties end with completion of repair documentation.</p> <p>July 2025 Meeting Action: Ms. Moore stated that work is still being done on this item.</p>	

Item Number: A23-21	NBIC Location: Part 3, 3.3.4.9
<p>General Description: Boiler tube plug guidelines and inclusion or watertube boilers</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: E. Cutlip (PM), P. Gilston, K. Moore, A. Triplett, J. Ferreira</p> <p>Explanation of Need: Currently both firetube and watertube boilers require a boiler tube be plugged when replacement of a tube is not practicable at the time the defective tube is detected.</p> <p>July 2025 Meeting Action: Ms. Moore stated that the task group is still working on a proposal for this item.</p>	
Item Number: A23-35	NBIC Location: All Parts, 9.1
<p>General Description: Definition of "non-load bearing attachment" (All Parts)</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: T. White (PM), A. Khssassi, J. Walker, P. Lentzer</p> <p>Explanation of Need: The term "nonload bearing attachment" is used as a basis for determining a routine repair but is not defined in the NBIC.</p> <p>July 2025 Meeting Action: Ms. Moore stated that the task group is still working on a proposal for this item.</p>	
Item Number: A23-61	NBIC Location: Part 3, S9.3
<p>General Description: Revise NBIC R-2 Report and guide</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: B. Schaefer (PM), T. LeBeau</p> <p>Explanation of Need: Updates to the R-2 Report and the guide for completing R Report.</p> <p>July 2025 Meeting Action: Ms. Moore stated that the task group is still working on this item.</p>	

Item Number: A23-77 NBIC Location: Part 3, 4.2 a)

General Description: Performance of Original NDE During Repairs and Alterations

Subgroup: Repairs and Alterations

Task Group: A. Triplett (PM), S. Frazier, J. Walker, R. Collins, P. Becker

Explanation of Need: The existing language in Part 3, Section 4, Paragraph 4.2.a does not provide enough guidance or flexibility for Repair Organizations and owners to prescribe appropriate NDE for repairs/alterations to existing welds. Based on the limited, often non-specific documentation typically available to these entities during NBIC repairs and alterations, additional allowances and direction should be provided.

July 2025 Meeting Action: Ms. Moore informed the Committee that the task group is still working on this item.

**Item Number: NBIC Location: Part 3, 5.7.5 b)
A24-17**

General Description: Specific Requirements For Stamping And Nameplates

Subgroup: Repairs and Alterations

Task Group: E. Cutlip (PM), B. Schaefer, A. Khssassi

Explanation of Need: 2023 ASME Section VIII-Div 1 UG-119(c)(5) has been revised to allow for the use of mechanical etching or laser annealing on nameplates.

July 2025 Meeting Action: Ms. Moore and Mr. Schaefer presented the proposal for this item. After discussion, it was decided that the proposal would be balloted to Part 4 before being voted on by Main Committee.

**Item Number: NBIC Location: Part 3, 9.1
A24-18**

General Description: Definition of Controlled Fill

Subgroup: Repairs and Alterations

Task Group: P. Gilston (PM), A. Triplett, R. Collins, F. Johnson

Explanation of Need: Interpretation item I 23-79 addresses the use of the term ‘controlled fill’ in relation to welding method 6. The term is used in 2.5.3 d in relation to welding method 6 and more specifically in Supplement 8. Supplement 8 gives a lot of detail in schematics about a controlled fill in terms of weld bead placement, its use in controlling heat input etc., but in Welding Method 6 the term is not specifically used, but direction for welding is given, typically preheats are specified, electrode size for SMAW, and the use of stringer beads only.

July 2025 Meeting Action: Ms. Moore stated that a proposal will be sent out for a Subgroup letter ballot prior to the January 2026 meeting.

Item Number:	NBIC Location: Part 3, 9.1
A24-20	
General Description: Define "Engineered Repairs" and "Engineered Alterations"	
Subgroup: Repairs and Alterations	
Task Group: M. Schaser (PM), B. Ray, R. Underwood, B. Boseo, D. Marek, J. Siefert, P. Becker	
Explanation of Need: The new supplement dealing with "Engineered Repairs and Alterations" (A21-45) will impact Part 3 Section 1, the NB-415, QRRs, the application process for Certificate Holders, and other documents to be determined. Defining "Engineered Repairs" and "Engineered Alterations" clarify the intent for these new scopes.	
July 2025 Meeting Action: Ms. Moore gave a progress report for this item.	

Item Number:	NBIC Location: Part 3, 9.1
A24-21	
General Description: Engineered Repairs and Alterations - Section 1 Scope and Manual reqs	
Subgroup: Repairs and Alterations	
Task Group: M. Schaser (PM), B. Ray, R. Underwood, B. Boseo, D. Marek, J. Siefert, P. Becker	
Explanation of Need: The scope of "Engineered Repairs and Alterations" (A21-45) needs to be clarified in 1.4.1 d) and reflected in the scope statement requirements for manuals in 1.5.1 a).	
July 2025 Meeting Action: Ms. Moore stated that the task group is still working on a proposal for this item.	

Item Number:	NBIC Location: Part 3, 5.5 a)
A24-96	
General Description: Add examples of repairs and alterations specific to Electrochemical Stacks	
Subgroup: Repairs and Alterations	
Task Group: A. Triplett (PM)	
Explanation of Need: With inclusion and initial deployments of electrochemical stacks as U Stamped pressure vessels under ASME BPVC Section VIII Division 1 and Code Case 3078, these stacks are starting to be shipped and registered with the National Board. Some basic examples of allowed repairs are needed to help guide an understanding of limitations for electrochemical stacks.	
July 2025 Meeting Action: Ms. Moore stated that work is still being done on this item.	

<p>Item Number: A24-98 NBIC Location: Part 3, 2.5.2</p>
<p>General Description: Review and revise the PWHT Requirements in 2.5.2</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: P. Gilston (PM)</p> <p>Explanation of Need: Simplify PWHT requirements in 2.5.2.</p> <p>July 2025 Meeting Action: Ms. Moore informed the committee that the task group is still working on this item.</p>

<p>Item Number: A25-18 NBIC Location: Part 3, 5.7.5</p>
<p>General Description: Requirements for Stamping and Nameplates</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: B. McGuire (PM), Lane Baker</p> <p>Explanation of Need: which contains critical identification information. However, HRSG boilers differ in that they have multiple master nameplates for different sections (e.g., HP, LP, economizer), all located on the outer casing of the boiler. Currently, NBIC repair nameplates do not provide a way to indicate which specific section was repaired. This limitation creates confusion for future inspections and maintenance, as there is no clear indication of which section underwent repairs. Adding a requirement for repair nameplates to include the specific HRSG boiler section being repaired will enhance clarity and traceability.</p> <p>July 2025 Meeting Action: Ms. Moore informed the committee that the task group is still working on this item.</p>

<p>Item Number: A25-20 NBIC Location: Part 3, 3.3.4.6</p>
<p>General Description: Adoption of reinforcement/fillet welded patches from PCC-2</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: M. Schaser (PM)</p> <p>Explanation of Need: Oil refineries are scant on shutdown opportunities and vital to the fuel needs of the community. At times inspection departments will detect corrosion on an in-service piece of equipment and be unable to clean it up for internal entry without a planned outage. Fillet welded patches are a safer alternative to external weld metal build up, or fitness for service.</p> <p>July 2025 Meeting Action: Ms. Moore provided a progress report for this item.</p>

Item Number: A25-21	NBIC Location: Part 3, S11.2.3 and S11.3.2
<p>General Description: Synchronize/Revise Repairs & Alterations of VIII-2, VIII-3 PRIs</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: R. Collins (PM)</p> <p>Explanation of Need: Mr. Tim Gardner, NBBI Senior Staff Engineer/Training Instructor, plans to create an online course for repairs of ASME Sect VIII-2 and VIII-3 PRIs but the current requirements in S11.2.3 and S11.3.2 (formerly 3.3.5 and 3.4.5) do not seem to be in agreement.</p> <p>July 2025 Meeting Action: Ms. Moore provided a progress report for this item.</p>	

Item Number: A25-22	NBIC Location: Part 3, Table 2.5.1
<p>General Description: Revise Part 3, Table 2.5.1</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: L. Dutra (PM), G. Galanes</p> <p>Explanation of Need: There have been changes to materials in the ASME Code that have made a review/revision of Table 2.5.1 necessary. If anything, the obsolete group numbers should be deleted. It will be up to the committee to decide whether to add the missing P/group numbers and the associated temperatures.</p> <p>July 2025 Meeting Action: Ms. Moore provided a progress report for this item.</p>	

Item Number: A25-25	NBIC Location: Part 3, S11.2.2
<p>General Description: Repair of PRIs Without Complete Removal of Defect</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: T. LeBeau (PM), M. Schaser, R. Collins, J. Hayes, K. Derrick</p> <p>Explanation of Need: To clarify this repair activity can be used for welded or non-welded repairs. This proposal will remove reference to welded repairs in S11.2.2 and only refer to "repair."</p> <p>July 2025 Meeting Action: Ms. Moore provided a progress report for this item.</p>	

Item Number: A25-26 NBIC Location: Part 3, 3.2.2 and 5.7.4
General Description: Stamping of non-ASME Parts and Distribution of Form R-3 Subgroup: Repairs and Alterations Task Group: P. Gilston (PM) Explanation of Need: Part 3 does not address the distribution of the R-3 and provides no specific details on how to stamp non-ASME parts fabricated by the R Certificate Holder. July 2025 Meeting Action: Ms. Moore stated that a proposal for this item is ready to be balloted to Main Committee.

Item Number: A25-29 NBIC Location: Part 3, 2.5.3 and 3.3
General Description: Referencing for Weld Metal, Filler Metal etc. Subgroup: Repairs and Alterations Task Group: P. Gilston (PM), T. Melfi, J. Siefert, W. Sperko Explanation of Need: Within Part 3, welding consumables are referred to in several different ways e.g., filler metal, weld metal etc. This item is to review these references and identify if a single reference description is beneficial for users of the Code. July 2025 Meeting Action: Ms. Moore provided a progress report for this item.

iv. New Items:

Item Number: A25-43 NBIC Location: Part 3, New Supplement
General Description: General Requirements for Mechanical Repairs Subgroup: Repairs and Alterations Task Group: T. McBee (PM) Explanation of Need: A new supplement is needed to provide guidance for firms who would like to engage in mechanical repairs utilizing their R Certificate. January 2026 Meeting Action:

Item Number: A25-44 NBIC Location: Part 3, 4.4.1
<p>General Description: Initial Service Leak Tests</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: J. Ferreira (PM)</p> <p>Explanation of Need: To clarify when an Initial Service Leak Test is permissible and that it differs from In-Service leak tests.</p> <p>January 2026 Meeting Action:</p>

Item Number: A25-50 NBIC Location: Part 3, S11.3.1
<p>General Description: Expand the scope of Encapsulation</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: B. Boseo (PM)</p> <p>Explanation of Need: Now that Supplement 11 has been approved, the scope of Encapsulation can now be expanded.</p> <p>January 2026 Meeting Action:</p>

Item Number: A25-51 NBIC Location: Part 3, 1.5.1
<p>General Description: NBIC Part 3, 1.5.1 q) R-Stamp Controls</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: With the newly allowed marking methods which give alternatives to hard stamping there is a requirement to describe the marking controls in the QMS. This revision will guide industry on expectations.</p> <p>January 2026 Meeting Action:</p>

Item Number: A25-53 NBIC Location: Part 3, 3.3.4.2

General Description: Supplement 11 Reference Clean Up

Subgroup: Repairs and Alterations

Task Group: None assigned.

Explanation of Need: References to 3.3.4.8 need to be corrected to S11.2.2 in:

-Table 1.5.1 row a) and b)

-3.3.4.1

-3.3.4.2 a)

-3.3.4.2 d)

-S2.13 c)

-S7.4 a)

-Table S9.2 Reference (19)

-Table S9.3 Reference (20)

Also

-the reference in 2.5.3.2 d) 4) b needs to be changed from 3.3.5 to S11.2.3

-the reference in S11.3.1 a) states: "Except as required in 3.4.3 c) 1)...", this should now reference S11.3.1 c) 1).

January 2026 Meeting Action:

Item Number: A25-59 NBIC Location: Part 3, S11.1

General Description: Supplement 11 Scope Updates

Subgroup: Repairs and Alterations

Task Group: None assigned.

Explanation of Need: Updating the scope of Supplement 11 to include additional guidance and limitations as well as updating the subsection and paragraphs to remove "Engineering" and replace with "Advanced".

January 2026 Meeting Action:

Item Number: A25-60 NBIC Location: Part 3, 3.4.1
<p>General Description: Pressure Test Exemption per Part 3 Paragraph 3.4.1 d)</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: Update wording in Part 3, paragraph 3.4.1.d to be consistent and more robust.</p> <p>January 2026 Meeting Action:</p>

Item Number: A25-75 NBIC Location: Part 3, S5.7.2
<p>General Description: Yankee Dryer alteration plan approval</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: Yankee dryer alteration plans have a different approval path than an alteration on other PRI's, there is no obvious technical need for the path to be different, and this different path has the potential to cause confusion and errors.</p> <p>January 2026 Meeting Action:</p>

c. Subcommittee Pressure Relief Devices

i. Interpretations

Item Number: 24-38 NBIC Location: Part 4, 2.5.4.2 & Part 1, 3.9.1.6 c)
<p>General Description: T&P relief device installation on modular HWH supply header</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: The NBIC does not address the installation or location of a common T&P valve for modular HWH's. Clarification is needed on whether the common supply header can be considered part of the HWH, and whether T&P valves can be installed in the horizontal position with the outlet pointed down, if installed directly to the header with no more than 4 in. maximum interconnecting piping.</p> <p>July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.</p>

Item Number: 24-46	NBIC Location: Part 4, 4.3.1 a)
General Description: Replacement of Bodies and Transfer of Nameplates During Repair	
Task Group: None assigned.	
Explanation of Need: Clarity on what defines "the valve". Is "the valve" the nameplate solely or the nameplate and serialized base; and subsequent ability to divorce the nameplate and base during repair when the base requires replacement.	
July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.	

New Interpretation Requests:

Item Number: 25-47	NBIC Location: Part 4, 3.3.3.4 i) 1)
General Description: T/O Testing in place.	
Task Group: None assigned.	
Explanation of Need: Clarification of new statement in 2025 NB-23.	
January 2026 Meeting Action:	

ii. Action Items – Old Business

Item Number: NB15-0315	NBIC Location: Part 4, 2.5.6 and 2.6.6 and Part 1, 4.5.6 and 5.3.6
General Description: Review isolation Valve Requirements, and reword to allow installation of pressure relief devices in upstream piping.	
Task Group: D. DeMichael (PM), B. Nutter, A. Renaldo, D. Marek	
July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.	

Item Number: 19-83	NBIC Location: Part 4, 4.7.5
General Description: Address Alternate Pressure Relief Valve Mounting Permitted by ASME CC2887-1	
Task Group: D. Marek (PM), T. Patel, J. Ball, R. Ceccarelli	
Explanation of Need: ASME Code Case 2887-1 permits the installation of pressure relief valves below a low mass water tube boiler or water heater under certain conditions. This set of conditions and alternate location should be addressed in the NBIC as the use of low mass water tube boilers and water heaters becomes more widespread.	
July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.	

Item Number: 21-08	NBIC Location: Part 4, S4.4
<p>General Description: Additional guidance for tank vent repairs</p> <p>Subgroup: PRD</p> <p>Task Group: D. DeMichael, H. Cornett, B. Nutter (PM), K. Beise, J. Grace</p> <p>Explanation of Need: The recently approved S4.4, "Weight Loaded Vents," provided new guidance for tank vent repairs. Several additional topics need to be addressed to enhance the guidance. These topics include: 1) Suggested test equipment and configuration for the prescribed tank vent testing. 2) Minimum requirements for replacement parts, 3) Guidance for painting tank vent components.</p> <p>July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.</p>	
Item Number: 22-09	NBIC Location: Part 4, 4.6.1
<p>General Description: Add language to NBIC Part for valves manufactured to Code Case 2787</p> <p>Subgroup: PRD</p> <p>Task Group: A. Donaldson (PM), H. Cornett, B. Nutter, T. Tarbay, J. Simms, T. Patel</p> <p>Explanation of Need: There are no requirements to address valve repairs that were manufactured or assembled to Code Case 2787 (use of more than one certified capacity on the pressure relief valve or the nameplate).</p> <p>July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.</p>	
Item Number: 22-20	NBIC Location: Part 4, 4.7.4
<p>General Description: Inspection and testing of PRV's located above isolation valves.</p> <p>Subgroup: PRD</p> <p>Task Group: D. Marek (PM), K. Beise, J. Ball, E. Creaser, H. Cornett, A. Renaldo</p> <p>Explanation of Need: Add requirement to make sure the internals of a PRV inlet and outlet are inspected when it is tested, and require tests to be done with a pressure vessel with volume.</p> <p>July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.</p>	
Item Number: 23-32	NBIC Location: Part 4, 3.3 and Supp. 6
<p>General Description: Rules for T/O activities related to Nuclear Class Valves</p> <p>Subgroup: PRD</p> <p>Task Group: E. Creaser (PM), P. Dhobi, D. McHugh, J. Simms</p> <p>Explanation of Need: Nuclear facilities that perform repair and T/O activities would by allowing them to use T/O for nuclear class valves that were serviced but not in need of repair but need to be set and sealed again.</p> <p>July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.</p>	

Item Number: 24-35	NBIC Location: Part 4, 4.6.2
<p>General Description: Update Testing of UV-Designated Steam valves on Air to match ASME XIII</p> <p>Subgroup: PRD</p> <p>Task Group: T. Beirne, B. Nutter, N. Bailey, B. DeKeyzer, D. Marek, A. Donaldson, C. Turner, H. Cornett (PM), T. Patel, and I. Flynn</p> <p>Explanation of Need: ASME Section XIII Table 3.6.3.1-1 Note 3 permits UV-designated steam valves to be tested using air when the valve is beyond the testing capabilities due to set pressure or capacity. The NBIC only permits steam valves to be tested on air by the owner/user. This should be permitted by any VR shop that has steam test equipment since it is permitted under the rules for new construction.</p> <p>July 2025 Meeting Action: Mr. Renaldo gave a progress report for this item.</p>	

Item Number: 24-72	NBIC Location: Part 4, 4.3.1	No Attachment
<p>General Description: Add Language to Address Replacement of Valve Bodies and Bases</p> <p>Subgroup: PRD</p> <p>Task Group: A. Donaldson (PM), G. Salwan, E. Creaser, H. Cornett, B. Nutter, P. Dhobi, T. Tarbay, T. Patel</p> <p>Explanation of Need: Under the current text of 4.3.1 there are no guidelines for the replacement of valve components to which the original nameplate is attached.</p> <p>July 2025 Meeting Action: Mr. Renaldo stated that a proposal would be balloted to Subgroup PRD prior to the January 2026 meeting.</p>		

Item Number: 24-91	NBIC Location: Part 4, 3.2.3
<p>General Description: Require means to prevent safety valve discharge piping blockage for LCDSV (Part 4)</p> <p>Subgroup: PRD</p> <p>Task Group: A. Renaldo (PM), J. Simms, D. Schirmer, D. Sullivan, R. Ceccarelli</p> <p>Explanation of Need: Adding verbiage to the NBIC Part 1, Part 2 and Part 4 to require a means to prevent foreign material introduction to the safety valve discharge pipe.</p> <p>July 2025 Meeting Action: Mr. Renaldo stated that a proposal would be balloted to Subgroup PRD prior to the January 2026 meeting.</p>	

Item Number: 24-101	NBIC Location: Part 4, Sections 3 and 4
<p>General Description: Revise NBIC to expand VR and T/O programs beyond ASME Certified Valves</p> <p>Subgroup: PRD</p> <p>Task Group: E. Creaser (PM), D. Marek, T. Beirne, H. Cornett, K. Beise, R. Viers, N. Bailey, A. Donaldson</p> <p>Explanation of Need: The National Board upper management and Board of Trustees have decided to expand the VR and T/O programs to valves that are constructed to standards other than ASME. The proposal file contains changes that would accomplish this goal. Changes to NB-514 and NB-528 will follow.</p> <p>July 2025 Meeting Action: Mr. Renaldo stated that a proposal would be balloted to Subgroup PRD prior to the January 2026 meeting.</p>	

Item Number: 25-30	NBIC Location: Part 4, 4.7.2 b) 3)
<p>General Description: Association of Repair for Pilots and Main Valves</p> <p>Subgroup: PRD</p> <p>Task Group: N. Bailey, J. Simms, D. Marek, D. Mosley, P. Dhobi, C. Turner, K. Beise, I. Flynn, B. Nutter, B. DeKeyzer, H. Cornett, A. Renaldo (PM)</p> <p>Explanation of Need: There is currently not language tying the pilot and main valve of a pilot-operated pressure relief valve to one another following repair.</p> <p>Background Information: ASME Section XIII 3.9 (f) (1) mandates that the pilot and main valve of a pilot-operated pressure relief valve each be marked with the same unique identifier to establish association of both components. This would create a similar requirement in NBIC to establish association of the pilot and main valve of pilot-operated pressure relief valves as being part of a single VR repair.</p> <p>July 2025 Meeting Action: Mr. Renaldo presented a progress report for this item.</p>	

Item Number: 25-38	NBIC Location: Part 4, 3.2.5.1 and 4.6.1
<p>General Description: Address Testing of Pilot Valves as Complete Assembly</p> <p>Subgroup: PRD</p> <p>Task Group: N. Bailey, J. Simms, D. Marek, D. Mosley, P. Dhobi, C. Turner, K. Beise, I. Flynn, B. Nutter, T. Patel, H. Cornett, B. DeKeyzer, A. Renaldo (PM)</p> <p>Explanation of Need: ASME CC 3057 requires that pilot operated valves be tested at least once as a complete assembly to verify all components are properly connected, leak tight, and that the pilot actuates the main valve. This also verifies freedom of operation of the main valve.</p> <p>Background Information: Pilot operated valves in service have been field tested by checking pilot set point without verification that the main valve will open.</p> <p>July 2025 Meeting Action: Mr. Renaldo presented a progress report for this item.</p>	

iii. New Items:

Item Number: 25-36	NBIC Location: Part 2, S8.2
General Description: Relief valve differential percentage conflict.	
Subgroup: PRD	
Task Group: None assigned.	
Explanation of Need: Clarification is needed to ensure a correct assessment of the recommended differential pressure percentage between the operating pressure and lifting pressure of the pressure relief valve. When making formal recommendations for corrective action due to high operating pressure differentials observed during inspections, the correct recommended value is needed to guide the adjustments necessary.	
Background Information: HWH boilers observed in the field sometimes operate in excess of this differential and close to the relief valve setpoint. The conflict in example b) shows a 20 percent differential, not the apparently intended 25 percent in the introductory paragraph.	
January 2026 Meeting Action:	

Item Number: 25-52	NBIC Location: Part 4, 1.3.1
General Description: Update References from ASME PTC-25 to ASME Section XIII M-V	
Subgroup: PRD	
Task Group: None assigned.	
Explanation of Need: The current reference to PTC-25 in Part 4 1.3.1 is outdated.	
Background Information: With the 2025 Edition of the ASME Code, PTC-25 has been incorporated into Mandatory Appendix V of Section XIII	
January 2026 Meeting Action:	

Item Number: 25-71	NBIC Location: Part 4, 3.3.3.4 & 4.8.5.4
General Description: Harmonize elements of QMS Requirements for T/O and VR programs	
Subgroup: PRD	
Task Group: None assigned.	
Explanation of Need: 3.3.3.4 and 4.8.5.4 list QMS requirements for T/O and VR programs. Some wording that should be identical between the two paragraphs is different and should be brought into harmony.	
Background Information: Elements of the QMS Requirements for the VR and T/O programs necessarily need to be different due to the scopes of the programs being different, however, the elements listed above should be identical and currently are not.	
January 2026 Meeting Action:	

Item Number: 25-72	NBIC Location: Part 4, 3.4
<p>General Description: “Organization reference for annual audits of T/O”</p> <p>Subgroup: PRD</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: A simple correction to reference the proper organization.</p> <p>Background Information: Review of NBIC Part 4 regarding the T/O Program, ¶ 3.4 b) uses “repair organization” to refer to the T/O Certificate Holder. The term “testing organization” is used nine times to refer to the T/O Certificate Holder.</p> <p>January 2026 Meeting Action:</p>	

Item Number: 25-73	NBIC Location: Part 4, 4.6.1
<p>General Description: “Defining set pressure for VR setting and testing”</p> <p>Subgroup: PRD</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: This change is needed to align Part 3&4 and to define set pressure under VR setting & Testing.</p> <p>Background Information: In my 51 years in the Assembly & Repair of Pressure Relief Valves, I have always used the same process for establishing and documenting PRV Set Pressure. However, that method was never documented in ASME Code or NBIC until the T/O Program was instituted by the National Board. Reference NBIC Part 4, ¶ 3.3.4 c) Pressure relief valves shall be tested to confirm that the set pressure (defined as the average of at least three consecutive tests) is within the allowable tolerance specified by the applicable ASME Code section and NBIC. Test results, including test gauge identification, shall be recorded on the document referred to in 3.3.3.4 h), above.</p> <p>January 2026 Meeting Action:</p>	

Item Number: 25-74	NBIC Location: Part 4, 4.3.1
<p>General Description: “Definition for critical replacement parts”</p> <p>Subgroup: PRD</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: There is no definition of a critical replacement part in NBIC. This change is needed for clarification and alignment with the definition of a Critical Part.</p> <p>Background Information: In the VR Program, there is a signification difference between a Critical Replacement Part and a Replacement Critical Part. ¶ 4.3.1 a) defines criticals part as, “... those that may affect the valve flow passage, capacity, function, or pressure-retaining integrity.” This definition is unchanged since NB-65, 1985 Edition. If a part that does not meet the definition in ¶ 4.3.1 a), e.g. Lifting Lever, needs replacing, but is not available, the repair cannot be completed. Therefore, the Lifting Lever is “critical” to the repair. On the other hand, if a Disc, Nozzle, or Spring that does meet the definition in ¶ 4.3.1 a) needs replacing, it is a “Replacement Critical Part” as referred to in NBIC since the 2009 Edition, in ¶ S7.5 c), Replacement critical parts receiving records shall be attached or be traceable to the valve repair document (see S7.3[a]). There is no definition of a critical replacement part in NBIC.</p> <p>January 2026 Meeting Action:</p>	

d. Subcommittee Installation

i. Interpretations

Item Number: 25-46	NBIC Location: Part 1, 2.8.4
<p>General Description: Pressure Limit Control Functionality and Construction</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: Power boilers are manufactured with many different maximum allowable working pressures, yet there is not a similar variety of pressure controls to match. The current wording in NBIC does not make it clear if “constructed to prevent a setting” means it must be impossible for a pressure control to be set to a pressure above the boiler’s MAWP, or if a non-permanent limitation device (such as a set screw, mechanical stop, electronic limit, locking device, or tamper seal) may be used to ensure the control is not inadvertently set to a pressure above MAWP.</p> <p>January 2026 Meeting Action:</p>	

Item Number: 25-56	NBIC Location: Part 1, 1.6.4
General Description: Ladders and Runways Subgroup: SG Installation Task Group: None assigned. Explanation of Need: There is overlap between the NBIC and OSHA regarding ladders and runways and there needs to be guidance for when these conflict with each other.	
January 2026 Meeting Action:	

Item Number: 25-67	NBIC Location: Part 1, 3.8.2.4 c)
General Description: Forced Flow Steam Generator low-water fuel cutoff Subgroup: SG Installation Task Group: None assigned. Explanation of Need: There is overlap between the NBIC and OSHA regarding ladders and runways and there needs to be guidance for when these conflict with each other.	
January 2026 Meeting Action:	

ii. Action Items – Old Business

Item Number: 22-28	NBIC Location: Part 1
General Description: Pool Heater definition and requirements Subgroup: SG Installation Task Group: J. Kleiss (PM), R. Spiker, T. Creacy, and M. Byrum Explanation of Need: The NBIC Installation and Inspection Codes do not have a definition for pool heaters. There is potential for confusion regarding which NBIC requirements, if any, should apply to pool heaters.	
July 2025 Meeting Action: Mr. Patten provided a progress report for this item.	

Item Number: 23-67	NBIC Location: Part 1, 4.2.2
General Description: Pressure Gage Scale Requirements Subgroup: SG Installation Task Group: None assigned. Explanation of Need: Update pressure gage requirements to reflect industry practice and common ranges. Also, to allow for the use of gage overpressure protectors, which the current wording does not. For systems with an MAWP that greatly exceeds normal operating pressure, it is sometimes necessary to use a gage with a lower scale so that the gauge reads in the middle third of its scale during normal operation. In such a situation, a gage overpressure protector is installed upstream of the gage.	
July 2025 Meeting Update: This item was mistakenly left off the July meeting agenda.	

Item Number: 24-05	NBIC Location: Part 1, New Supplement
General Description: Add heat pump water heater & heat pump hydronic heater requirements Subgroup: SG Installation Task Group: J. Kleiss (PM), B. Ahee Explanation of Need: Heat pump water heating and hydronic heating are growing in prevalence. Guidance for installation and inspection of these products is needed.	
July 2025 Meeting Action: Mr. Patten provided a progress report for this item.	

Item Number: 24-26	NBIC Location: Part 1, 3.7.8	
General Description: NBIC Requirements for ASME Modular Water Heaters Subgroup: SG Installation Task Group: R. Spiker (PM), M. Byrum, J. Kleiss Explanation of Need: ASME Section IV added requirements in the 2023 Edition for modular water heaters. The NBIC currently includes requirements for modular steam heating and hot-water heating boilers, but not for modular water heaters.		
July 2025 Meeting Action: Mr. Patten provided a progress report for this item.		

Item Number: 24-56	NBIC Location: Part 1, S3.6.1	
<p>General Description: LCDSV Systems: Add Table and Figure</p> <p>Subgroup: SG Installation</p> <p>Task Group: M. Byrum (PM), R. Black</p> <p>Explanation of Need: In accordance with the NBIC Policy For Metrication, metric units need to be shown alongside US customary units. Table S3.6.1 and Figure S3.6.1-b both show only US customary units. I recommend adding Table S3.6.1M and Figure S3.6.1-bM to show metric units. I've also included some additional editorial recommendations.</p>		
<p>July 2025 Meeting Action: Mr. Patten provided a progress report for this item.</p>		

Item Number: 24-102	NBIC Location: Part 1, 1.6.9	
<p>General Description: Strengthen requirements for Carbon monoxide monitoring</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: Approximately 50 to 75 percent of the Chief Boiler Inspectors have requested some version of the proposed text above to be included in the NBIC Part 1. Since this has not happened, in many jurisdictions the Chief Inspector has had to include requirements for interlocking Carbon Monoxide detectors with boilers to secure the burners when the detector senses CO. The NBIC is a Health and Safety Code and therefore should provide requirements that prevent the many injuries and deaths the Chief Boiler Inspectors across the U.S. have had to investigate.</p>		
<p>July 2025 Meeting Action: Mr. Patten provided a progress report for this item, saying that a proposal will be balloted to Subcommittee Inspection.</p>		

Item Number: 25-03	NBIC Location: Part 1, 1.6.1 & 3.7.7.1	
<p>General Description: Create uniformity between sections on requirements for drains and blowoff pipes</p> <p>Subgroup: SG Installation</p> <p>Task Group: T. Clark (PM), J. Choitz, R. Spiker, R. Adams</p> <p>Explanation of Need: Create uniformity between sections on requirements for drains and blowoff pipes</p>		
<p>July 2025 Meeting Action: Mr. Patten provided a progress report for this item.</p>		

Item Number: 25-07	NBIC Location: Part 1, S5.7.6 h)	
<p>General Description: Organic fluid relief valves are installed with discharge to 55-gallon drum</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: V. Scarcella</p> <p>Explanation of Need: A 55-gallon drum is not designed for the temperatures or pressures of a relief valve discharge</p> <p>July 2025 Meeting Action: Mr. Patten presented a proposal for this item. A question was asked regarding the change from “storage” to “catchment”. It was stated that this change clarifies that containers in which the thermal fluid was delivered should not be used for discharge. Further discussion was held, and it was determined that Part 4 contains a paragraph covering similar subject matter. This item will be on hold pending further work from Part 4.</p>		

Item Number: 25-15	NBIC Location: Part 1, S3.6.1	
<p>General Description: LCDSV Systems: Add Table and Figure</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: M. Byrum</p> <p>Explanation of Need: In accordance with the NBIC Policy For Metrication, metric units need to be shown alongside US customary units. Table S3.6.1 and Figure S3.6.1-b both show only US customary units. I recommend adding a Table S3.6.1M and Figure S3.6.1-bM to show metric units.</p> <p>July 2025 Meeting Action: Mr. Patten stated that this item should be transferred to Part 2, as it pertains more to Part 2, S12.7.</p>		

Item Number: 25-24	NBIC Location: Part 1, 3.8.1.5 and 3.8.2.4	
<p>General Description: Clearly state no time delay on the flow switches on a loss of flow.</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: T. Bolden</p> <p>Explanation of Need: One of the primary causes of boiler failure is a low water condition. Time delays in testing these safety controls can complicate their assessment and will not mitigate the failure rates associated with low water conditions. Note this also needs to apply to flow switches on forced flow units.</p>		
<p>July 2025 Meeting Action: Mr. Patten provided a progress report for this item.</p>		

iii. Action Items – New Business

Item Number: 25-45	NBIC Location: Part 1, 3.8.2.3	
<p>General Description: Limiting Temperature Controls to Max Allowable Temperature of the Boiler</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: T. Clark</p> <p>Explanation of Need: Additional language is needed to ensure that the temperature controls for hot water heating and supply boilers cannot be set to a temperature above the maximum allowable temperature of the boiler. Similar language exists in ASME Section IV and CSD-1, but is missing from NBIC Part 1.</p>		
<p>January 2026 Meeting Action:</p>		

Item Number: 25-49	NBIC Location: Part 1, 9.1	
<p>General Description: Definition of Heat Pump</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: J. Kleiss</p> <p>Explanation of Need: Heat pump water heaters and heat pump hydronic heaters are in use in the USA and will become more widely used. This is an initial step to incorporating requirements for these devices. Item 24-05 proposes addition of a supplement with guidance for heat pump water heaters.</p>		
January 2026 Meeting Action:		

Item Number: 25-65	NBIC Location: Part 1, 3.7.9.1	
<p>General Description: Code of Construction for Expansion Tanks</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: T. Clark</p> <p>Explanation of Need: The NBIC does not and should not determine when a vessel is required to be built to a code of construction. That determination is made by the jurisdiction.</p>		
January 2026 Meeting Action:		

Item Number: 25-78	NBIC Location: Part 1, 2.8.6	
<p>General Description: Flow or Temperature Sensing Devices for Forced Circulation Power Boilers</p> <p>Subgroup: SG Installation</p> <p>Task Group: None assigned.</p> <p>Submitted by: T. Clark</p> <p>Explanation of Need: ASME CSD-1 allows the use of a flow or sensing device or a combination of a LWCO and a temperature sensing device to detect low-water conditions in boilers with forced circulation. While NBIC Part 1 makes such an allowance for hot water boilers, no such requirement exists for power boilers.</p>		
<p>January 2026 Meeting Action:</p>		

10. Liaison Activities

- i. **American Society of Mechanical Engineers BPV Code (ASME BPV)**
 - a. Mr. Gary Scribner will provide updates on ASME activities.
 - b. Mr. Brent Ray will provide updates on PCC activities.
- ii. **American Welding Society (AWS)**
 - a. Mr. Sekely will provide an update on AWS activities.
- iii. **American Petroleum Institute (API)**
 - a. Mr. Brent Ray to provide an update on recent API activities.

11. Future Meetings

- i. July 13-16, 2026 – Salt Lake City, UT
- ii. January 11-14 – Nashville, TN

12. Adjournment

Respectfully submitted,

Jonathan Ellis

Jonathan Ellis
NBIC Secretary



*THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS*

NATIONAL BOARD INSPECTION CODE COMMITTEE

ATTACHMENTS