

Date Distributed:



**THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS**

NATIONAL BOARD INSPECTION CODE SUBGROUP REPAIRS & ALTERATIONS

AGENDA

Meeting of January 13, 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 meeting will be called to order at 8:00 a.m. Central Time in Lafitte AB on the 1st floor of the hotel.

2. Roll call of Members and Introduction of Visitors

3. Check for a Quorum

4. Announcements

- This meeting marks the end of Cycle C for the 2027 NBIC edition.
- The National Board will be hosting a reception on Wednesday evening from 5:30 p.m. to 7:30 p.m. at The Hard Rock Café on Bourbon Street.
- The National Board will be hosting breakfast and lunch on Thursday for those attending the Main Committee meeting. Breakfast will be served from 7:00 a.m. to 8:00 a.m. in the Atrium on the 2nd floor of the hotel, and lunch will be served at the same location from 11:30 a.m. to 12:30 p.m.
- Meeting schedules, meeting room layouts, and other helpful information can be found on the National Board website under the **NBIC** tab → NBIC Meeting Information.
- Remember to add any attachments that you'd like to show during the meeting (proposals, reference documents, powerpoints, etc.) to the NBIC SharePoint site (nationalboard.sharepoint.com/sites/NBIC) **prior to the meeting**.
 - Note that access to the NBIC SharePoint site is limited to committee members only.
 - ALL powerpoint attachments/presentations must be sent to the NBIC Secretary for approval prior to the meeting.
 - Contact Jonathan Ellis (nbicsecretary@nbbi.org) for any questions regarding NBIC SharePoint access.
- When possible, please submit proposals in Word format showing “strike through/underline.” Project Managers: please ensure any proposals containing text from previous NBIC editions are updated with text from the most current edition.
- If you'd like to request a new Interpretation or Action item, do so on the National Board Business Center.
 - Anyone, member or not, can request a new item.
- As a reminder, anyone who would like to be considered for membership of a group or committee:
 - Should attend at least two meetings prior to being put on the agenda for membership consideration. The nominee may be placed on the agenda for voting during their third meeting, pending the Chair's approval.
 - The nominee must submit the formal request along with their resume to the NBIC Secretary **PRIOR TO** the meeting. nbicsecretary@nbbi.org
 - If elected by the membership, the member will serve a term of three years.
- Thank you to everyone who registered online for this meeting. The 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.

5. Awards and Special Recognitions

6. Adoption of the Agenda

7. Approval of the Minutes of the July 2025 Meeting

The minutes from the July 2025 meeting can be found on the NBIC Committee information page on the

National Board's website, nbbi.org.

8. Review of Rosters

a. Membership Nominations

b. Membership Reappointments

The following Subgroup memberships are up for reappointment: Mr. Louis Dutra, Mr. Craig Hopkins, Mr. Aziz Khssassi, Mr. Walt Sperko, and Mr. Marty Toth.

c. Officer Nominations

d. Resignations

9. Action Items

Item Number: A21-53	NBIC Location: Part 3, S8.5 a)
General Description: Post Repair Inspection of weld repairs to CSEF steels	
Subgroup: Repairs and Alterations	
Task Group: P. Gilston (PM), E. Cutlip, A. Triplett	
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.	
SG R&A July 2025 Meeting Action: P. Gilston presented Rev. 4 of the proposal. Slight revisions were made, and the proposal was UA as revised.	
SC R&A July 2025 Meeting Action: P. Gilston presented a proposal that was revised by the SC. This was UA to be sent to SC LB for a vote.	
UPDATE: SC R&A LB in progress till 01/09/26	

Item Number: A23-21	NBIC Location: Part 3, 3.3.4.9
General Description: Boiler tube plug guidelines and inclusion or watertube boilers	
Subgroup: Repairs and Alterations	
Task Group: S. Lombardo (PM), P. Gilston, A. Triplett T. White, J. Ferriera	
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.	
SG R&A July 2025 Meeting Action: P. Gilston presented a PR.	

Item Number: A23-35	NBIC Location: All Parts, 9.1
General Description: Definition of "non-load bearing attachment" (All Parts)	
Subgroup: Repairs and Alterations	
Task Group: T. White (PM), A. Khssassi , J. Walker, P. Lentzer	
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.	
SG R&A July 2025 Meeting Action: T. White presented a PR.	

Item Number: A23-61	NBIC Location: Part 3, S9.3
General Description: Revise NBIC R-2 Report and guide	
Subgroup: Repairs and Alterations	
Task Group: B. Schaefer (PM), T. LeBeau, S. Marks	
Explanation of Need: Updates to the R-2 Report and the guide for completing R Report.	
SG R&A July 2025 Meeting Action: B. Schaefer presented a PR. A proposal that was revised based on discussion. Additional revisions will be made with the intention of sending them to SG LB.	

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, P. Lentzer, A. Triplett	
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.	
SG R&A July 2025 Meeting Action: T. White presented a PR.	

Item Number: A24-17	NBIC Location: Part 3, 5.7.5 b)
General Description: Specific Requirements For Stamping And Nameplates	
Subgroup: Repairs and Alterations	
Task Group: B. Schaefer (PM), B. Schaefer, A. Khssassi, J. Ferreira and T. LeBeau	
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.	
SG R&A July 2025 Meeting Action: B. Schaefer presented a proposal that was revised and UA by the SG.	
SC R&A July 2025 Meeting Action: B. Schaefer presented a proposal that was revised and Approved w/1 Neg (K. Moore)	
MC July 2025 Meeting Action: To be LB to MC.	
UPDATE: MC LB in progress till 1/7/26	

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.

SG R&A July 2025 Meeting Action: P. Gilston presented a previous proposal that was revised based on discussion and was UA by the SG. This is a definition (all Parts), so a LB will go to Parts 1, 2, and 4.

Item Number: A24-20

NBIC Location: Part 3, 9.1

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.

SG R&A July 2025 Meeting Action: M. Schaser presented a PR, new "Advanced Repairs" items can now move forward.

Item Number: A24-21

NBIC Location: Part 3, 9.1

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).

SG R&A July 2025 Meeting Action: M. Schaser presented a PR.

Item Number: A24-96

NBIC Location: Part 3, 5.5 a)

General Description: Add examples of repairs and alterations specific to Electrochemical Stacks

Subgroup: Repairs and Alterations

Task Group: A. Triplett (PM), R. Collins, R. Milette

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.

SG R&A July 2025 Meeting Action: A. Triplett presented, and this will be sent to SG LB once the proposal can be reviewed by an ECS subject matter expert. This was a PR.

UPDATE: READY FOR SC - Passed SG R&A LB 10/31/25 (18-0-0)

Item Number: A24-98

NBIC Location: Part 3, 2.5.2

General Description: Review and revise the PWHT Requirements in 2.5.2

Subgroup: Repairs and Alterations

Task Group: P. Gilston (PM), M. Schaser, W. Sperko

Explanation of Need: Simplify PWHT requirements in 2.5.2.

July 2025 Meeting Action: P. Gilston presented a PR.

Item Number: A25-18

NBIC Location: Part 3, 5.7.5

General Description: Requirements for Stamping and Nameplates

Subgroup: Repairs and Alterations

Task Group: B. McGuire (PM), L. Baker

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.

July 2025 Meeting Action: B. McGuire presented a proposal that was revised based on discussion, however the proposal Failed the SC vote (20 members present – only 12 approvals obtained – 14 needed). Added Lane Baker to the task group.

Item Number: A25-20

NBIC Location: Part 3, 3.3.4.6

General Description: Adoption of reinforcement/fillet welded patches from PCC-2

Subgroup: Repairs and Alterations

Task Group: M. Schaser (PM)

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.

July 2025 Meeting Action: M. Schaser presented a PR. Brent Ray and Stacy Marks (on ASME Committees) both offered to supply PCC and other ASME references if the SC needs to review the material proposals will be referencing.

Item Number: A25-21

NBIC Location: Part 3, S11.2.3 and S11.3.2

General Description: Synchronize/Revise Repairs & Alterations of VIII-2, VIII-3 PRIs

Subgroup: Repairs and Alterations

Task Group: R. Collins (PM)

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.

July 2025 Meeting Action: R. Collins presented a PR.

UPDATE: Failed SC LB – No Quorum (12-1-0)

Item Number: A25-22

NBIC Location: Part 3, Table 2.5.1

General Description: Revise Part 3, Table 2.5.1

Subgroup: Repairs and Alterations

Task Group: L. Dutra (PM), G. Galanes

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.

July 2025 Meeting Action: L. Dutra presented a PR.

Item Number: A25-25

NBIC Location: Part 3, S11.2.2

General Description: Repair of PRIs Without Complete Removal of Defect

Subgroup: Repairs and Alterations

Task Group: T. LeBeau (PM), M. Schaser, R. Collins, J. Hayes, K. Derrick

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."

July 2025 Meeting Action: T. LeBeau presented a PR; M. Schaser, R. Collins, J. Hayes, K. Derrick were added to the TG.

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.

SC July 2025 Meeting Action: P. Gilston presented a proposal that was UA.

UPDATE: MC LB in progress till 01/07/26

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)

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: P. Gilston presented a PR.

UPDATE: SG R&A LB in progress till 12/31/25

New Action 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

General Description: Initial Service Leak Tests

Subgroup: Repairs and Alterations

Task Group: J. Ferreira (PM)

Explanation of Need: To clarify when an Initial Service Leak Test is permissible and that it differs from In-Service leak tests.

January 2026 Meeting Action:

Item Number: A25-44

NBIC Location: Part 3, 4.4.1

General Description: Initial Service Leak Tests

Subgroup: Repairs and Alterations

Task Group: J. Ferreira (PM)

Explanation of Need: To clarify when an Initial Service Leak Test is permissible and that it differs from In-Service leak tests.

January 2026 Meeting Action:

Item Number: A25-50

NBIC Location: Part 3, S11.3.1

General Description: Expand the scope of Encapsulation

Subgroup: Repairs and Alterations

Task Group: B. Boseo (PM)

Explanation of Need: Now that Supplement 11 has been approved, the scope of Encapsulation can now be expanded.

UPDATE: Failed SG LB 11/11/25 (12-2-5)

January 2026 Meeting Action:

Item Number: A25-51

NBIC Location: Part 3, 1.5.1

General Description: NBIC Part 3, 1.5.1 q) R-Stamp Controls

Subgroup: Repairs and Alterations

Task Group: None assigned.

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.

January 2026 Meeting Action:

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

General Description: Pressure Test Exemption per Part 3 Paragraph 3.4.1 d)

Subgroup: Repairs and Alterations

Task Group: None assigned.

Explanation of Need: Update wording in Part 3, paragraph 3.4.1.d to be consistent and more robust.

January 2026 Meeting Action:

Item Number: A25-75

NBIC Location: Part 3, S5.7.2

General Description: Yankee Dryer alteration plan approval

Subgroup: Repairs and Alterations

Task Group: None assigned.

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.

January 2026 Meeting Action:

10. Future Meetings

- July 13-16, 2026 – Salt Lake City, UT
- January 11-14, 2027 – Nashville, TN

11. Adjournment

Respectfully submitted,

Terrence Hellman

Terrence Hellman