



*THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS*

NATIONAL BOARD INSPECTION CODE SUBCOMMITTEE INSTALLATION

AGENDA

Meeting of July 15, 2026
Salt Lake City, UT

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

1. Call to Order

The meeting will be called to order at 8:00 a.m. Mountain Time. The meeting will be held in the Wyoming meeting room on the first floor of the hotel.

2. Introduction of Members and Visitors

3. Check for a Quorum

4. Awards/Special Recognition

5. Announcements

- This meeting marks the end of Cycle D 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 Lucky H Restaurant on the first floor of the hotel.
- 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 Wyoming on the first 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 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

7. Approval of the Minutes of the January 2026 Meeting

Members can review the January 2026 meeting minutes on the National Board website:

<https://www.nationalboard.org/Index.aspx?pageID=13&ID=18>.

8. Review of Rosters (Attachment Page 1)

a. Membership Nominations

Mr. Jon Choitz (AIA) is interested in becoming a member of **Subcommittee Installation**.

b. Membership Reappointments

The following **SC Installation** memberships are up for reappointment: Mr. Stan Konopacki, Mr. Joe Brockman and Mr. Marvin Byrum.

c. Officer Nominations

Mr. Konopacki's term as Vice Chair is set to end on August 22, 2026.

9. Other Committee Items Related to Installation

a. R&A

i. Item 24-18 – Definition of Controlled Fill (P. Gilston as PM)

1. All subcommittees voted to approve a proposal for this item, which will be presented to Main Committee.

b. PRD

i. Item NB15-0315 – Review isolation valve requirements in Part 1, 4.5.6 and 5.3.6 – D. DeMichael (PM).

ii. Item 19-83 – Address Alternate Pressure Relief Valve Mounting Permitted by ASME CC2887-1 – D. Marek (PM).

iii. Item 24-91 – Require means to prevent safety valve discharge piping blockage for LCDSV (Part 4).

10. Interpretations

Item Number: 26-05	NBIC Location: Part 1, 3.8.2.3 b)
General Description: plc based RTD / thermocouple Temperature Controls on 'H'-Stamp Boilers	
Subgroup: SG Installation	
Task Group: None assigned.	
Explanation of Need: The inquirer has been asked by the ASME CSD-1 Committee to inquire to NBIC via a parallel / concurrent Interpretation path on an issue regarding the use of the newer microprocessor / plc based RTD / thermocouple type temperature sensing controls for heating hot water or supply boilers that are already "approved for use" from the ASME CSD-1 Committee Interpretation Record #23-2698.	
July 2026 Meeting Action:	

Item Number: 26-21	NBIC Location: Part 1, 2.5.3.2 e) and 3.5.3.1 d) 2)
General Description: Power Burners with Detached Auxiliaries	
Subgroup: SG Installation	
Task Group: None assigned.	
Explanation of Need: During editorial work for the 2027 Edition of the NBIC, it was identified that the meaning of this term was not fully understood. In order to ensure that approved changes for 2027 make sense, the editorial team needs to understand what "detached auxiliaries are and the intent of the remote shutdown switch requirements that reference them.	
July 2026 Meeting Action:	

11. Action Items

a. TG FRP Items

Item Number: 25-94	NBIC Location: Part 1
General Description: Clarification on Section S11.3 - Clearances	
Subgroup: TG FRP	
Task Group: B. Shelley (PM)	
Explanation of Need: The inquirer is a design release engineer working for a pressure vessel manufacturer that is looking to make ASME tanks. This requirement will severely restrict the number of pressure vessels that the manufacturer can bundle together inside one container.	
July 2026 Meeting Action: Progress Report	
The FRP task group is researching this situation to determine an appropriate code change.	

b. SG Installation Items

Item Number: 22-28	NBIC Location: Part 1
General Description: Pool Heater requirements and definition	
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.	
January 2026 Meeting Action: Progress Report	
The proposal was updated based on comments received. Proposal will be reviewed for PRD requirements, and an attempt will be made to provide reference to existing paragraphs instead of copying requirements into pool heater section.	

Item Number: 23-67	NBIC Location: Part 1, 4.4.2
General Description: Pressure Gage Ranges Subgroup: SG Installation Task Group: J. Choitz (PM), M. Toth, M. Downs, R. Smith 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.	
January 2026 Meeting Action: Progress Report A task group was formed to work on this item.	

Item Number: 24-05	NBIC Location: Part 1, New Supplement	
General Description: Add Heat Pump Water Heater & Heat Pump Hydronic Heater Supplement Subgroup: SG Installation Task Group: J. Kleiss (PM), Bryan Ahee, R. Troutt, T. Creacy, M. Watkinson, J. Mirjalali Explanation of Need: Heat pump water heating and hydronic heating are growing in prevalence. Guidance for installation and inspection of these products is needed.		
January 2026 Meeting Action: Progress Report Work continues on this item. Item 25-49 was opened to handle the definitions in proposal. Item will be expanded to look at requirements for all electric boilers.		

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.		
January 2026 Meeting Action: Progress Report Work continues on this item. Update: A proposal was balloted to the Subgroup, but the ballot failed with 8 approval votes and 7 disapproval votes.		

Item Number: 24-102	NBIC Location: Part 1, 1.6.9	
General Description: Strengthen requirements for Carbon monoxide monitoring Subgroup: SG Installation Task Group: Jim Byrum (PM) and all members SG Installation, Steve Schneeberger, Bryan Ahee, V. Newton 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.		
January 2026 Meeting Action: Letter Ballot to Subgroup + Review & Comment to Subcommittee A revised proposal will be letter balloted to Subgroup with review and comment ballot to Subcommittee.		

Item Number: 25-03	NBIC Location: Part 1, 1.6.1, 2.7.5 & 3.7.7.1	
General Description: Create uniformity between sections on requirements for drains and blowoff pipes Subgroup: SG Installation Task Group: T. Clark (PM), J. Choitz, R. Spiker, R. Adams Explanation of Need: Create uniformity between sections on requirements for drains and blowoff pipes		
January 2026 Meeting Action: Progress Report Work continues on this item. A revised proposal based on comments received from letter ballot will be ready for the July meeting.		

Item Number: 25-07	NBIC Location: Part 1, S5.7.6 h)	
General Description: Organic fluid relief valves are installed with discharge to 55-gallon drum Subgroup: SG Installation Task Group: D. Patten (PM) Submitted by: V. Scarcella Explanation of Need: A 55-gallon drum is not designed for the temperatures or pressures of a relief valve discharge		
January 2026 Meeting Action: Letter Ballot to Subgroup PRD Item passed Subgroup and Subcommittee Installation in July 2025 and needs to be letter balloted to Subgroup and Subcommittee PRD prior to going to Main Committee for action.		

Item Number: 25-24	NBIC Location: Part 1, 3.8.1.5 and 3.8.2.4	
General Description: Clearly state no time delay on the flow switches on a loss of flow. Subgroup: SG Installation Task Group: H. Berny (PM), S. Konopacki, J. Choitz, J. Byrum, J. Kleiss Submitted by: T. Bolden 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.		
January 2026 Meeting Action: Progress Report Work continues on this item.		

Item Number: 25-49	NBIC Location: Part 1, 9.1	
General Description: Definition of Heat Pump Subgroup: SG Installation Task Group: J. Kleiss (PM), B. Ahee Submitted by: J. Kleiss 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.		
January 2026 Meeting Action: Letter Ballot to All (4) Subgroups The proposal will need to be letter balloted to Subgroups Installation, Inspection, Repairs and Alterations, and PRD since it involves adding definitions to the glossary.		

Item Number: 25-78	NBIC Location: Part 1, 2.8.6	
General Description: Flow or Temperature Sensing Devices for Forced Circulation Power Boilers Subgroup: SG Installation Task Group: J. Kleiss (PM), T. Clark, M. Downs, M. Toth Submitted by: T. Clark 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.		
January 2026 Meeting Action: Progress Report A task group was formed to work on this item.		

12. New Items:

Item Number: 25-82	NBIC Location: Part 1, 2.8.4	
General Description: Clarifying NBIC Part 1, 2.8.4 a)-c) Subgroup: SG Installation Task Group: None assigned. Submitted by: Stanley Mason Explanation of Need: The current code is unclear and contradicts itself.		
July 2026 Meeting Action:		

Item Number: 25-89	NBIC Location: Part 1	
General Description: Temporary boiler installation Subgroup: SG Installation Task Group: None assigned. Submitted by: Tim Bolden Explanation of Need: Part 2 is working on the inspection of temporary boilers item # 24-62 - No guidance for inspectors for temporary boiler inspections. To develop guidance, we feel there needs to be requirements for the installation of temporary boilers. Items such as clearances, electrical, piping connections, supports, ladders runways etc. So that our task group can move forward on providing guidance on these types of objects.		
July 2026 Meeting Action:		

Item Number: 25-93	NBIC Location: Part 1	
General Description: Toxic Gases and Related Detectors/Alarms Subgroup: SG Installation Task Group: None assigned. Submitted by: Mike Richards Explanation of Need: This proposal will define "Toxin" and "Toxicity" and add examination of chimneys, stack, and ductwork requirements to 1.6.8 and add a requirement for technical advice regarding alarms in 1.6.9.		
July 2026 Meeting Action:		

Item Number: 26-11	NBIC Location: Part 1	
General Description: Installation of Quick Acting Closures Subgroup: SG Installation Task Group: None assigned. Submitted by: Vincent Scarcella Explanation of Need: Need working group to review changes to NBIC Part 2, ASME Section VIII to create a supplement for Quick Acting Closures.		
July 2026 Meeting Action:		

Item Number: 26-15	NBIC Location: Part 1, S12.4 g)	
General Description: Revise wording to include electrically heated kettles. Subgroup: SG Installation Task Group: None assigned. Submitted by: Rodger Adams Explanation of Need: Supplement 12 provides requirements and guidelines for the installation of electrically heated and gas-fired jacketed steam kettles, yet the existing text excludes a reference to the electric fuel source.		
July 2026 Meeting Action:		

13. Future Meetings

January 11-14, 2027 – Nashville, TN

14. Adjournment