



THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS

Date Distributed: February 9, 2026

NATIONAL BOARD INSPECTION CODE SUBCOMMITTEE INSPECTION

MINUTES

Meeting of January 14, 2026
New Orleans, LA

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They are not to be duplicated or quoted for other than committee use.*

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

1. Call to Order

Mark Horbaczewski, Chair of the Inspection Subcommittee (SC), called the meeting to order at 8:01 a.m. Central Time, in Orleans AB on the 1st floor of the hotel.

2. Introduction of Members and Visitors

All members and visitors in person and online stated their name and their company. All members and visitors are noted on the attendance sheets. (**Attachment Pages 1-2**)

3. Check for a Quorum (51% - 12 of 22 needed)

Secretary, Jodi Metzmaier, noted to the SC that David Rose will not be a voting member during this meeting. He was not present at the last meeting to confirm he wanted to be reappointed. The letter ballot for his reappointment was overlooked and did not go out in time. We will vote to reappoint D. Rose to the SC during this meeting.

With 22 of 22 members in attendance, both in person and online, a quorum was established.

4. Awards/Special Recognition - None

5. Announcements

6. J. Metzmaier read the announcements (**Attachment Page 3**) and the NBBI Meeting Code of Conduct to the SG. The NBBI Meeting Code of Conduct can be found on the National Board website.

7. Adoption of the Agenda

- Add David Rose for SC reappointment
- Add Daniel Fulford as a member nomination to Subgroup Inspection (SG).
- Add Item 25-81: NDE Preparation & Examiner Proficiency Needs

The above items were added to the agenda, and a motion was made to adopt the revised agenda. The motion was seconded and unanimously approved.

8. 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, www.nbbi.org.

A motion was made to approve the minutes from the July 2025 meeting. The motion was seconded and unanimously approved.

9. Review of Rosters

a) Membership Nominations

SUBGROUP: Daniel Fulford (User) would like to become a member of SG Inspection. SG recommended membership unanimously.

D. Fulford spoke on his behalf and explained why he wanted to become a member of the SG Inspection. A motion was made to recommend his nomination to SG. The motion was seconded and unanimously approved.

SUBCOMMITTEE - NONE

b) Membership Reappointments

SUBGROUP: The following members are up for reappointment: Chuck Becker, Lee Burton, and Tom Vandini. SG recommended reappointments for all members unanimously.

A motion was made to reappoint all three of the above members to SG Inspection. The motion was seconded and unanimously approved.

SUBCOMMITTEE: The following members are up for reappointment: Lee Burton, Vincent Scarcella, Tom Vandini, and David Rose.

A motion was made to reappoint all four of the above members to SC. The motion was seconded and unanimously approved.

c) Officer Appointments - None

10. Open Items Related to Inspection

a) Part 2/3 Task Group Items

22-06 - General Description: Part 2 task group to review Part 3 Item 21-53 (see below)

The Part 2/3 Joint Task Group voted to close this item during the July 2025 meeting; this item should be removed from the agenda.

23-08 - General Description: Part 2 task group to review Part 3 Item 21-67 (note: item 21-67 had a proposal that passed through SG/SC R&A and MC in January 2024.)

The Part 2/3 Joint Task Group voted to close this item during the July 2025 meeting; this item should be removed from the agenda.

24-28 - General Description: Applying PWHT to previously "as welded" item

J. Clark stated this item was not discussed during the Part 2/3 TG meeting. There was no update to present.

b) PRD

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

c) R&A

Item 21-53 – Post repair inspection of weld repairs to CSEF steels. (P. Gilston as PM)

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

11. Interpretations

Item Number: I25-02	NBIC Location: 2023 NBIC, Part 2, 4.4.7.3 and 4.5.3 b)	Attachment Page 4
General Description: Overriding Part 2 Inspection Requirements with RBI Program		
Subgroup: Inspection		
Task Group: D. Graf (PM), J. Beaugard, 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.		
January 2026 Meeting Action:		
D. Graf presented the proposal that was unanimously approved through SG to the SC. After review, a motion was made to accept the proposal as presented. The motion was seconded and unanimously approved		

Item Number: I25-34	NBIC Location: 2023 NBIC, Part 2, 2.3.6.2 b) 2) a. 3.	No Attachment
<p>General Description: Interpretation request into the NBBI for the NB-23 2023 paragraph 2.3.6.2</p> <p>Subgroup: Inspection Task Group: C. Becker (PM), J. Beauregard, D. Fulford, J. Holland, V. Newton, J. Clark Submitted by: Ari Ben Swartz</p> <p>Explanation of Need: Numerous air receivers are found to be less than the required wall thickness.</p> <p>January 2026 Meeting Action:</p> <p>C. Becker presented a proposal to the SC. After discussion the SC decided to send the proposal to LB for vote to SG & SC simultaneously. Since this proposal has not yet been passed through SG, the proposal cannot be passed through SC yet.</p>		

The SC joined the R&A SC meeting for a presentation by Melissa Wadkinson on Proof Testing.

Item Number: I25-39	NBIC Location: 2023 NBIC, Part 2, Forms	No Attachment
<p>General Description: Replacement of Stamped Data</p> <p>Subgroup: Inspection Task Group: C. Becker (PM), C. Moultrie, R. Kennedy, K. Barkdoll. J. Smith, B. Ross, J. Clark, G. Scribner Submitted by: G. Scribner</p> <p>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 manufacturer or a 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.</p> <p>January 2026 Meeting Action:</p> <p>C. Beck gave a progress report on this item.</p>		

Item Number: I25-58	NBIC Location: Part 2, 5.2.1 f)	No Attachment
<p>General Description: Replacement of Stamped Data</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: T. Hellman</p> <p>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.</p> <p>January 2026 Meeting Action:</p> <p>It was reported that a task group (TG) was created during the SG meeting.</p>		

12. Action Items

a) TG FRP Items

Item Number: NB16-1402	NBIC Location: Part 2, New Supplement	No Attachment
General Description: Life extension for high pressure FRP vessels above 20 years		
Subgroup: FRP Task Group: M. Gorman (PM)		
January 2026 Meeting Action: During discussion of this item, it was noted that a LB was sent out to SC between October 10-November 8, 2025, and a quorum was not met (3 approved & 9 disapproved out of 23 eligible voters). The SC stated since this item had to many negative votes, they would like to send it back to the TG for further work.		

b) TG Historical Items

Item Number: 23-85	NBIC Location: Part 2, S2.14.7	No Attachment
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.		
January 2026 Meeting Action: It was noted that a Progress Report was given during the Historical TG meeting.		

c) TG Locomotive Items

Item Number: 25-05	NBIC Location: Part 2, S1.2.4.22	No Attachment
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.		
January 2026 Meeting Action: J. Metzmaier noted to the SC that the TG Locomotive made further revisions to their original proposal and they pulled this item from going to Main Committee LB. The Locomotive TG wanted the revised proposal to be sent to SC LB. Since the revised proposal was not sent to LB to SC prior to the January 2026 meeting, the group chose to review the changes. After review of the changes, a motion was made to accept the revised proposal as presented. The motion was seconded. After further discussion, the SC decided they would like to review the proposal further and send it to LB for vote. The motioner was in agreement with this recommendation.		

Item Number: 25-16	NBIC Location: Part 2, S1.2.4.22	No Attachment
<p>General Description: Washout plug obstructions</p> <p>Subgroup: Locomotive Task Group: T. Sposato (PM)</p> <p>Explanation of Need: Analyze possible issues.</p> <p>January 2026 Meeting Action: It was noted that the Locomotive TG unanimously voted to close this item with no action. The proposal for item 25-05 was revised to include the changes that were noted in this item. A motion was made to close this item with no action. The motion was seconded and unanimously approved.</p>		

Item Number: 25-41	NBIC Location: Part 2, 6.2 and 6.3	No Attachment
<p>General Description: Evaluation of corrosion</p> <p>Subgroup: Locomotive Task Group: T. Sposato (PM)</p> <p>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 affect the overall safety of a component.</p> <p>January 2026 Meeting Action: It was noted that there was a progress report given at the Locomotive TG meeting.</p>		

d) SG Inspection Items

M. Horbaczewski asked Vice Chair, D. Graf to act as Chair for the next item.

Item Number: 23-81	NBIC Location: Part 2, 4.4.3 b)	Attachment Pages 5-9
<p>General Description: Evaluate Inspector responsibilities relating to 4.4.3 FFS</p> <p>Subgroup: Inspection Task Group: M. Horbaczewski (PM), V. Scarcella, J. Clark, B. Ray, J. Ferreira, J. Sowinski, D. Fulford Submitted by: R. Underwood</p> <p>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.</p> <p>January 2026 Meeting Action: M. Horbaczewski presented the proposal which was passed through SG unanimously. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.</p>		

D. Graf turned the meeting back over to M. Horbaczewski.

Item Number: 24-03	NBIC Location: Part 2, Supplement 6	No Attachment
<p>General Description: Revise "Inspector" terminology and requirements in Supplement 6</p> <p>Subgroup: Inspection Task Group: J. Smith (PM), R. Kennedy Submitted by: R. Underwood</p> <p>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.</p>		
<p>January 2026 Meeting Action It was noted that a Progress Report was given during the SG meeting.</p>		

Item Number: 24-37	NBIC Location: Part 2, 2.2.10	Attachment Pages 10-12
<p>General Description: Add language in the event boiler can't be secured at the time of inspection</p> <p>Subgroup: Inspection Task Group: T. Bolden (PM), J. Smith, B. Steinhart, D. Fulford, J. King, W. Hackworth, B. Ross Submitted by: V. Scarcella</p> <p>Explanation of Need: In some circumstances boilers cannot be shut down and a dead man switch is not allowed.</p>		
<p>January 2026 Meeting Action: T. Bolden presented the proposal which was unanimously approved through SG. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.</p>		

Item Number: 24-42	NBIC Location: Part 2, 2.4.1 and 2.4.4	No Attachment
<p>General Description: Add language to NBIC Part 2 in regard to piping inspections</p> <p>Subgroup: Inspection Task Group: D. Graf (PM), K. Barkdoll, R. Kennedy, B. Wilson, J. Beauregard, W. Griffith, G. Kopp Submitted by: V. Scarcella</p> <p>Explanation of Need: Two fatal incidents resultant from radiator failure prompted an ask for these changes.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		

Item Number: 24-62	NBIC Location: Part 2, Section 2	No Attachment
<p>General Description: Temporary Boiler Inspection</p> <p>Subgroup: Inspection Task Group: P. Pollick (PM), V. Newton, B. Ross, M. Horbaczewski, J. Mangus, J. Beauregard, M. Whitlock, T. Bolden Submitted by: V. Scarcella</p> <p>Explanation of Need: No guidance for inspectors for temporary boiler inspections.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		

Item Number: 24-76	NBIC Location: Part 2, S7.9	Attachment Pages 13-14
<p>General Description: Revision to Part 2, S7.9</p> <p>Subgroup: Inspection</p> <p>Task Group: T. Vandini (PM), D. Graf, J. Clark, C. Moultrie, L. Burton, M. Whitlock, P. Polick, J. Roberts</p> <p>Submitted by: James Roberts</p> <p>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.</p>		
<p>January 2026 Meeting Action: T. Vandini presented the proposal which was unanimously approved through SG. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.</p>		
Item Number: 24-84	NBIC Location: Part 2, 2.3.6.10 and 2.3.6.11	No Attachment
<p>General Description: Vessels above 10,000 psi reevaluation of remaining life</p> <p>Subgroup: Inspection</p> <p>Task Group: V. Newton (PM), J. Mangas, V. Scarcella, D. Fulford, J. King</p> <p>Submitted by: Craig Bierl</p> <p>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.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		
Item Number: 25-23	NBIC Location: Part 2, 3.4.8	No Attachment
<p>General Description: Add guidance for tube sag allowance</p> <p>Subgroup: Inspection</p> <p>Task Group: J. Jessick (PM), B. Ray, J. Sowinski, T. Bolden</p> <p>Submitted by: V. Scarcella</p> <p>Explanation of Need: Inspectors were asking for clarification and better guidance. Item needs a working group to consider language.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		
<p>TASK GROUP: Add Hagan Fee (From R & A)</p>		

Item Number: 25-27	NBIC Location: Part 2, 2.3.6.2, 2.3.6.4, 4.4, S7.8	No Attachment
<p>General Description: Fitness-for-service coordination with API 579-1/ASME FFS-1</p> <p>Subgroup: Inspection Task Group: B. Ray (PM), D. Graf, J. Hadley, J. Sowinsky, C. Moultrie, J. Jessick Submitted by: J. Hadley</p> <p>Explanation of Need: Alert users about situations where acceptance criteria in Part 2 may be less strict than API 579-1/ASME FFS-1.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		

Item Number: 25-31	NBIC Location: Part 2, New Supplement	No Attachment
<p>General Description: Add a supplement that lists the standard boiler and pressure vessel types</p> <p>Subgroup: Inspection Task Group: J. Safarz (PM), M. Mooney, M. Horbaczewski, M. Whitlock, B. Ross, R. Wallace Submitted by: V. Scarcella</p> <p>Explanation of Need: This would get states using the standard across the country both from a violation and object type.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		

Item Number: 25-32	NBIC Location: Part 2, New Supplement	No Attachment
<p>General Description: Referenced standards added supplement to NBIC Part II</p> <p>Subgroup: Inspection Task Group: W. Griffith (PM), J. Holland, J. Hadley, D. Fulford, M. Whitlock, J. Smith Submitted by: V. Scarcella</p> <p>Explanation of Need: Need working group to review and propose appropriate action.</p>		
<p>January 2026 Meeting Action: It was noted that a Progress Report was given during the SG meeting.</p>		

Item Number: 25-76 (formerly 25-43)	NBIC Location: Part 2, 5.3.2	No Attachment
<p>General Description: Revise NB-4, NB-6, & NB-7</p> <p>Subgroup: Inspection Task Group: B. Ross (PM), B. Steinhart, K. Barkdoll, V. Scarcella, M. Mooney Submitted by: V. Scarcella</p> <p>Explanation of Need: Updates for clarity.</p>		
<p>January 2026 Meeting Action: It was noted to the SC that this item was voted unanimously to be closed with no action during the SG meeting. A motion was made to close this item with no action. The motion was seconded and unanimously approved.</p>		

13. New Items

Item Number: 25-15	NBIC Location: Part 2, S12.7	No Attachment
<p>General Description: LCDSV Systems: Add Table and Figure</p> <p>Subgroup: SG Inspection (formerly SG Installation) Task Group: None assigned. 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. 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.</p>		
<p>January 2026 Meeting Action: V. Newton stated that after the SG meeting, TG met and reviewed S12.7. They determined no action was needed. A motion was made to close this item with no action. The motion was seconded and unanimously approved.</p>		

Item Number: 25-54	NBIC Location: Part 2, 5.2.2 a)	Attachment Page 15
<p>General Description: NB-136 Instructions updated - 5.2.2 a)</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: T. Hellman</p> <p>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.</p>		
<p>January 2026 Meeting Action: The proposal which was unanimously approved through the SG was presented to the SC. A motion was made to accept as the proposal presented. The motion was seconded and unanimously approved.</p>		

Item Number: 25-55	NBIC Location: Part 2, 5.2.3	No Attachment
<p>General Description: Rules for Replacing and Re-attaching Duplicate Nameplates</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: A. Renaldo</p> <p>Explanation of Need:</p> <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. 		
<p>January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting.</p>		

Item Number: 25-61	NBIC Location: Part 2, Form NB-136	No Attachment
<p>General Description: Update Form NB-136</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: T. Clark</p> <p>Explanation of Need: 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. 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>		
<p>January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting. T. Clark gave an update on this item to the SC.</p>		

Item Number: 25-64	NBIC Location: Part 2, S6.17	No Attachment
<p>General Description: Revise definitions of "Normal Operating Loading" and "Poisonous Material"</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: J. Ellis</p> <p>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.</p>		
<p>January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting.</p>		

Item Number: 25-68	NBIC Location: Part 2	No Attachment
<p>General Description: Cryogenic Vessel Inspection Standard</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella</p> <p>Explanation of Need: Currently thousands of inspections are being done without any guidelines.</p>		
<p>January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting.</p>		

Item Number: 25-69	NBIC Location: Part 2, 2.3.6.8	No Attachment
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 chief's meeting in October.		
January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting.		

Item Number: 25-70	NBIC Location: Part 2, New Supplement	No Attachment
General Description: Add Guidelines to Address Overpressure Protection by System Design		
Subgroup: Inspection Task Group: None assigned. Submitted by: B. Viers		
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.		
January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting.		

Item Number: 25-77	NBIC Location: Part 2, Table S6.13.11.2-b	Attachment Page 16
General Description: Corrections to Part 2, Table S6.13.11.2-b		
Subgroup: Inspection Task Group: None assigned. Submitted by: J. Ellis		
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.		
January 2026 Meeting Action: The proposal that was unanimously approved through SG was presented to the SC. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.		

Item Number: 25-79	NBIC Location: Part 2, S7.4	Attachment Pages 17-18
General Description: Added a new paragraph to S7.4 to address nameplates during inspection.		
Subgroup: Inspection Task Group: None assigned. Submitted by: J. Roberts		
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.		
January 2026 Meeting Action: J. Roberts presented the proposal that was unanimously approved through SG. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.		

Item Number: 25-81	NBIC Location: Part 2, 2.2.3	No Attachment
<p>General Description: NDE Preparation & Examiner Proficiency Needs</p> <p>Subgroup: Inspection Task Group: None assigned. Submitted by: Sean Franklin (Electric Power Research Institute)</p> <p>Explanation of Need: Due to rising energy consumption and demand, existing generating assets on the grid are being asked to extend their life in order to meet that growing demand. The construction of new generating facilities has been slow to build a new generation of skilled trades workforce. As attrition of experienced personnel has decreased the available NDE workforce, coupled with the economic pressures that shrink plant shutdowns that were the prime targets for on-the-job training, a growing safety concern has been building with respect to the quality of NDE examinations being conducted on pressure retaining components. Based on operating experience, flaws are being missed as much as “false calls” are being reported, both having economic impacts but missed flaws creating safety concerns. A need to decrease uncertainty in validating asset integrity is necessary to ensure generating plants can operate reliably. Currently, there is no mention of what is considered to be a proficient NDE examiner. By creating proficiency rules, organizations can ensure that only qualified personnel perform NDE, reducing the risk of costly mistakes and unnecessary work.</p>		
<p>January 2026 Meeting Action: It was noted that a TG was assigned during the SG meeting.</p>		

14. Future Meetings

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

M. Horbaczewski reviewed the future meetings with the SC.

15. Adjournment

A motion was made to adjourn the meeting at 10:32 AM Central Time. The motion was seconded and unanimously approved.

Respectfully submitted,



Jodi Metzmaier
Subcommittee Inspection Secretary

Subcommittee Inspection Member Attendees - January 2026

MEMBERS:	Interest Category	Email	Registered	In Person Attendance	Remote Attendance	Not In Attendance
Mark Horbaczewski Chair	Users	mhorbaczewski@diamondtechnicalservices.com	In-Person	X		
Darrell Graf Vice Chair	National Board Certificate Holders	grafdr@airproducts.com	In-Person	X		
Jodi Metzmaier Secretary	NBBI	jmetzmaier@nbbi.org	In-Person	X		
Joseph Beauregard	Users	joeducati@hotmail.com	In-Person	X		
Chuck Becker	Authorized Inspection Agencies	hgbecker@yahoo.com	In-Person	X		
Tim Bolden	Authorized Inspection Agencies	timothy.bolden@cna.com	In-Person	X		
Lee (Damon) Burton	National Board Certificate Holders	burtondl@airproducts.com	In-Person	X		
James Calvert	National Board Certificate Holders	jcalvert@lilly.com	In-Person	X		
James Clark	Manufacturers	James.clark@wthg.com	In-Person	X		
David Dexter	Users	dexterde@dow.com	Remote		X	
William Hackworth	Authorized Inspection Agencies	william.hackworth@tuvsud.com	In-Person	X		
Jerry Jessick	Users	jjessick@fusion-etc.com			X	
John Mangas	General Interest	jcmangas@gmail.com		X		
Clay Moultrie	Manufacturers	cmoultrie@propanetank.com	In-Person	X		
Venus Newton	Authorized Inspection Agencies	venus_newton@yahoo.com	In-Person	X		
Pat Polick	Jurisdictional Authorities	patrick.polick@illinois.gov	In-Person	X		
Brent Ray	Users	bdray@marathonpetroleum.com	In-Person	X		
James Roberts	Manufacturers	james.roberts@triarccorp.com	In-Person	X		
David Rose	Users	dr3747@telus.net	Remote		X	
Jason Safarz	General Interest	jsafarz@karlungusa.com	In-Person	X		
Vincent Scarcella	Authorized Inspection Agencies	vincent.scarcella@cna.com	In-Person	X		
Brandon Steinhart	Authorized Inspection Agencies	brandon.steinhart@fmglobal.com	In-Person	X		
Thomas Vandini	National Board Certificate Holders	tvandini@propanetank.com	In-Person	X		
Mike (Gerald) Whitlock	Authorized Inspection Agencies	gerald_whitlock@hsb.com	In-Person	X		

Subcommittee Inspection Visitor Attendees - January 2026

VISITORS:	Company/Title/Interest	Email	Registered	In Person Attendance	Remote Attendance
Daniel Fulford	Battelle Energy Alliance, LLC Quality Engineer	Daniel.fulford@inl.gov	In-Person	X	
Tom Clark	State of Oregon	thomas.g.clark@dcbs.oregon.gov	In-Person	X	
Robert Black	American Boiler Manufacturers				X
Tracy Weaver	Babcock & Wilcox				X
James Hadley	Fact Fancy, LLC	james.hadley@factplusfancy.com			X
Rich Wallace	Diamond Technical Services	rwallace@diamondtechnicalservices.com			X
Kimberly Adkins	State of Virginia	kimberly.adkins@doli.virginia.gov			X
Alex Cheng	US DOT	kinwai.cheng@dot.gov	In-Person	X	
Rhett Termini	State of LA	rhett.termini@la.gov	In-Person	X	
Arnel Buquis	State of AZ	arnel.buquis@azdosh.gov	Remote		X
David Warburton	State of FL	David.Warburton@myfloridacfo.com	In-Person	X	
Lance Williams	Marathon Petroleum	ldwilliams@marathonpetroleum.com	In-Person	X	
Aaron Dunk	CNA Insurance	aaron.dunk@cna.com	Remote		X
Randy Kennedy	Babcock & Wilcox - Quality Manager	crkennedy@babcock.com	In-Person	X	
Jeremy Smith	NC Department of Labor- Boiler Safety Bureau	jeremy.smith@labor.nc.gov	In-Person	X	
Sean Franklin	EPRI	sfranklin@epri.com	In-Person	X	
Gavin Kopp	Arizona Boiler Inspectors	gavin@stateboilerinspectors.com	In-Person	X	
Jessica Cooper	HSB	jessica_cooper@hsb.com	In-Person	X	
John King	Chubb	johnking@chubb.com	In-Person	X	
Michael Nauer	Babcock & Wilcox	mnauer@babcock.com	Remote		X
Mike Walters	Superior Energy Systems Ltd.	mike@superiorng.com	In-Person	X	
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Wil Griffith	Zurich - RE Manager	william.griffith@zurichna.com	In-Person	X	
James Sowinski	The Equity Engineering Group, Inc. Principal Engineer	jsowinski@e2g.com	In-Person	X	
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Christa Rogers	NBBI	crogers@nbbi.org	In-Person	X	
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John Burpee	NBBI	jhbt3@gmail.com	In-Person	X	
Mark Mooney	NBBI	mmooney@nbbi.org	In-Person	X	

- Please make sure to use the microphones when speaking and grab the base of the microphone to move them.
- MS Teams Notes:
 - Please stay muted during the meeting. If you would like to speak, please use the “raise hand” feature, and then you can unmute as you are called on. Teams will note the order in which your hands were raised, and we will call on you in that order.
 - Any messages sent through chat **will be displayed for anyone in the meeting to see**. If you need to send me a private message, please send it to me directly and not through the meeting chat.
 - If you are calling in with a phone number, please change your name from your phone number to your actual name.
- This meeting marks the end of Cycle C for the 2027 NBIC edition.
 - This is the last cycle for letter ballots.
- 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. Please enter the hard Rock Cafe through the street entrance - not the through the back-end hotel entrance. This is the preference of the venue.
- 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.
- If you’d like to open a new Interpretation or Action Item, this should be done through the National Board Business Center.
 - Anyone, member or not, can open a new item.
- 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.
- All proposals should be submitted in word with “strike through/underline” tracking.
 - Please contact me (jmetzmaier@nbbi.org) if you need any help with this.
 - Project Managers: please ensure any proposals containing text from the 2023 NBIC are updated to contain text from the 2025 NBIC.
- As a reminder, anyone who would like to become a member of a group or committee:
 - Should attend at least 2 meetings prior to being put on the agenda for membership consideration. The nominee will be on the agenda for vote during their 3rd meeting, and they would become a voting member during their 4th meeting.
 - The nominee must submit the formal request along with their resume to the NBIC Secretary, Jonathan Ellis, **PRIOR TO** the meeting. nbicsecretary@nbbi.org
- Thank you to everyone who registered online for this meeting. The online registration is very helpful for planning our reception, meals, the room set up, etc. Please continue to use the online registration for each meeting, whether you are attending in person or remote. It also is a good way to make sure we have the most up-to-date contact information.
- Review the “NBBI Meeting Code of Conduct.”

NBIC Interpretation Item I25-02
 Submitted by Riley Collins (rileycollins@eastman.com)
 Submitted on: 12-5-2025
 Page 1 of 1



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

Subject:	Overriding Part 2 Inspection Requirements with RBI Program
NBIC Location:	Part 2, 4.4.7.3 & 4.5.3b)
Statement 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.
Background Information:	NBIC Part 2, Section 4, Para. 4.5.3 specifically states that one of the benefits of having an RBI program is to identify items that do not require inspection or mitigation. However, NBIC Part 2, Section 4, Para. 4.4.7.3 states that PRIs in non-corrosive service are required to have thickness measurements taken.
Proposed Question:	If a company has an established RBI program and has deemed a PRI to be in non-corrosive service through an RBI assessment, can the company choose to omit the thickness measurements called out in Part 2, Section 4, Para. 4.4.7.3 as long as all jurisdictional requirements are met?
Proposed Reply:	Yes
Committee's Question:	If a company has an established RBI program and has deemed a PRI to be in non-corrosive service through an RBI assessment, can the company choose to omit the thickness measurements called out in Part 2, 4.4.7.3 as long as all jurisdictional requirements are met?
Committee's Reply:	Yes
Rationale:	

Part 2 Item 23-81

10/1/25

Subject: Evaluate Inspector responsibilities relating to 4.4.3 FFS

Statement 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.

Background Information: There has been confusion on what the Inspector is responsible for when signing an NB-403 Form for Fitness for Service. Inspectors are not trained in the various FFS or condition assessment methodology referenced in Section 4 and should not be responsible for ensuring that these methods are correct.

Proposal:**4.4 METHODS TO ASSESS DAMAGE MECHANISMS AND INSPECTION FREQUENCY FOR PRESSURE-RETAINING ITEMS****4.4.3 RESPONSIBILITIES**

a) Owner or User

The owner or user of the pressure-retaining item is responsible for the selection and application of a suitable fitness for service or condition assessment methodology described in this section, subject to review and approval by the Jurisdiction, if required.

b) Inspector

The Inspector shall ~~review-confirm that~~ the condition assessment ~~has been performed, and methodology and ensure~~ inspection data and applicable documentation are ~~in accordance with this section~~available.

FORM NB-403 REPORT OF FITNESS FOR SERVICE ASSESSMENT
in accordance with provisions of the *National Board Inspection Code*

~~FFS~~ Fitness for Service (FFS) ASSESSMENT NO. _____

1. EQUIPMENT OWNER INFORMATION: _____
(name)

(address)

2. FFS ASSESSMENT PERFORMED BY: _____
(Name of ~~Organization or Individual~~ ~~Engineering Organization or Engineer~~ Organization or Individual Performing Assessment)

(address)

3. LOCATION OF EQUIPMENT INSTALLATION: _____
(Name of Company)

(address)

(Jurisdiction)

4. EQUIPMENT OR COMPONENT INFORMATION: _____
(MFG SR#, NB#, JURISDICTION# , YEAR BUILT, OTHER)

(Equipment Material Specification, Grade)

(Design & Operating Pressures, Design & Operating Temperatures)

5. ORIGINAL CODE OF CONSTRUCTION: _____
(Name) (Section) (Division) (Edition) (Addendum)

~~FITNESS FOR SERVICE~~ FFS STANDARD USED FOR ASSESSMENT _____

6. FLAW TYPE(S) AND / OR DAMAGE MECHANISMS CONSIDERED IN FFS ASSESSMENT: _____

7. FFS ASSESSMENT PROCEDURES (ATTACH FFS ASSESSMENT REFERENCE DOCUMENTS WITH DETAILS IF APPLICABLE):

INSPECTION RESULTS: _____
(Type of NDE Performed, Pressure Tests, Thickness Measurements, etc.)

FAILURE MODES IDENTIFIED: _____
(Crack-Like Flaws, Pitting, Bulges/Blisters, General or Localized Corrosion, etc.)

8. FFS ASSESSMENTS RESULTS / RECOMMENDATIONS (CHECK BOXES THAT APPLY AND PROVIDE DETAILS):

CONTINUED OPERATION REPAIR REPLACE CONTINUE OPERATION UNTIL: _____

DETAILS (IF APPLICABLE) _____

9. OWNERS INSPECTION INTERVALS (BASED ON ASSESSMENT): _____
(Months/Years)

10. IN SERVICE MONITORING METHODS AND INTERVALS: _____
(Methods, Months/Years)

11. OPERATING LIMITATIONS (IF APPLICABLE): _____

CERTIFICATE OF COMPLIANCE

I, _____, the undersigned certify ~~that~~ to the best of my knowledge and belief, the statements in this report are correct and that the information, data, and identification numbers are correct and in accordance with provisions of the *National Board Inspection Code*, Part 2, 4.4. Applicable documentation is attached to support this assessment.

Owner **Name:** _____
(Printed **Name**)

Signature: _____ Date: _____
(Owner **Representative**)

Organization- Performing Assessment: _____
(Printed **Name**)

Signature: _____ Date: _____
(**Responsible Engineer**) / (**Representative of Organization Performing Assessment**)

CERTIFICATE OF INSPECTION

I, _____, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency, where required, issued by the Jurisdiction of _____ and employed by _____ of _____ have reviewed this report on _____, and state that to the best of my knowledge and belief, this work complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or loss of any kind arising from or connected with this document review.

Signature: _____ Date: _____ NB Commission #: _____
(Inspector) (NB & Jurisdiction Number)

Action Item 23-81

Rev. 10-1-25

5.3.4 GUIDE FOR COMPLETING FITNESS-FOR-SERVICE ASSESSMENT REPORTS

- 1) For tracking and reference purposes, indicate the sequential Fitness-for-Service Assessment number.
- 2) Name and address of the owner of the equipment that is being assessed for Fitness for Service.
- 3) Name and address of the organization or individual performing the Fitness-for-Service Assessment.
- 4) Name and address of the facility where the equipment being assessed for Fitness for Service is located.
- 5) Name of the Jurisdiction where the assessed equipment is located.
- 6) Identification of equipment, including manufacturer, manufacturer's serial number, National Board number, Jurisdiction-assigned registration number, and year built. Also include equipment/component material specification/grade, design and operating pressures, design and operating temperatures, if applicable.
- 7) Indicate the name, section, division, edition, and addenda of the original code of construction.
- 8) Name of the standard used to perform the Fitness-for-Service Assessment.
- 9) Description of the equipment / component damage mechanism or flaw types considered in the Fitness-for-Service Assessment.
- 10) Description of the Fitness-for-Service Assessment level and technique. Attach all relevant Fitness-for-Service Assessment procedures and detailed documentation.
- 11) Description of the Inspection and NDE results as prescribed in the Fitness-for-Service Assessment analysis.
- 12) Description of the failure, damage and deterioration modes identified in the Fitness-for-Service Assessment.
- 13) Indicate the results of the Fitness-for-Service Assessment, including remediation recommendations.
- 14) Indicate if the equipment can continue current operation.
- 15) Indicate if repairs are required.
- 16) Indicate if equipment replacement is required.
- 17) Indicate if continued operation has a finite date.
- 18) Indicate finite date of continued operation (if applicable).
- 19) Indicate the required Inspection intervals as determined by the Fitness-for-Service Assessment.
- 20) Indicate the required inservice monitoring methods and intervals for the equipment as defined by the Fitness for Service Assessment.
- 21) Describe any operating or inservice limitations for the equipment. This would include any reductions / changes in operating pressures or temperatures.
- 22) Type or print the name of the representative of the Organization or individual performing the Fitness-for-Service Assessment.
- 23) Name of the owner of the equipment.
- 24) Signature of owner representative.
- 25) Indicate the month, day, and year of the owner review and acceptance of Fitness-for-Service Assessment.
- 26) Indicate the name of the organization or individual performing the Fitness-for-Service Assessment (~~this may be the same name as in line 22~~).
- 27) Signature of the ~~responsible engineer~~ representative of the organization or individual performing the Fitness-for-Service Assessment.
- 28) Indicate the month, day, and year of the completion of the Fitness-for-Service Assessment by the Organization responsible.
- 29) Type or print the name of the Inspector.
- 30) Name of the Accredited Inspection Agency employing the Inspector.

- 31) Signature of the Inspector.
- 32) Indicate the month, day, and year of the review ~~and acceptance~~ by the Inspector of the Fitness-for-Service Assessment.
- 33) ~~National Board commission number of Inspector, Jurisdiction, and Certificate of Competency Numbers.~~ Inspector's National Board commission number and endorsement that qualifies the Inspector to sign this report, and when required by the Jurisdiction, the applicable State or Provincial numbers.
- 34) Indicate Inspector's Jurisdiction.
- 35) Indicate address of Inspector's employer (city and state or province).
- 36) Indicate month, day, and year of Inspector signature

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 Tim Bolden
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2.2.5 EXTERNAL INSPECTION

The external inspection of a boiler is made to determine if it is a condition to operate safely. The inspection is intended to be conducted while the boiler is in operation; however, if acceptable to the jurisdiction, an external inspection may be performed while the boiler is not operational. The inspection may include: to determine if it is in a condition to operate safely. Some items to consider are:

- a) The boiler fittings, valves, and piping should be checked for compliance with ASME Code or other standards or equivalent requirements. Particular attention should be paid to pressure relief devices, controls and ~~other~~ safety devices-controls;
- b) Firing equipment controls;
- c) Adequacy of structure, boiler supports, and any associated support steel;
- d) Boiler casing should be free from cracks, combustion gas or fluid leaks, excessive corrosion or other degradation that could interfere with proper operation;
- e) Soot blowers, valves, and actuating mechanisms;
- f) Gaskets on observation doors, access doors, drums, handhole and manhole covers and caps;
- g) Valves and actuators, either chains, motors, and/or handwheels; and
- h) Leakage of fluids or combustion gases.

2.2.10.6 CONTROLS

Establishing proper operation and maintenance of controls and safety devices is essential to safe boiler operation. Owners or users are responsible for establishing and implementing management programs which will ensure such action is taken. In addition, any repairs to controls and safety devices must only be made by qualified individuals or organizations. Documentation of compliance with these management systems and repairs is an essential element of demonstrating the effectiveness of such systems.

When required by the Jurisdiction, the following guidelines are provided to aid the Inspector in the evaluation of installed operating control devices:

- a) Verify that the burner is labeled and listed by a recognized testing agency, that piping and wiring diagrams exist, that commissioning tests have been conducted and that a contractor/manufacturer's installation report has been completed and is available for review.
- b) Verify that the owner or user has established function tests, inspection requirements, maintenance and testing of all controls and safety devices in accordance with manufacturer's recommendations. Verify that these activities are conducted at assigned intervals in accordance with a written procedure, that non-conformances which impact continued safe operation of the boiler are corrected, and that the results are properly documented. These activities shall be conducted at a frequency recommended by the manufacturer or the frequency required by the jurisdiction. Where no frequencies are recommended or prescribed, the activity should be conducted at least annually.

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 Tim Bolden
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Where allowed by the jurisdiction, Performance Evaluation may be used to increase or decrease the frequencies based on document review and approval by an appropriate engineer.

- c) Verify that combustion air is supplied to the boiler room as required by the jurisdiction or if no jurisdictional requirements exist see NBIC, Part 1, 2.5.4 and 3.5.4 1.6.6 for additional guidance.
- d) Verify ~~that~~ a manually operated remote ~~boiler emergency stop button~~ emergency shutdown switch exists ~~at each boiler room exit door, when as~~ required by the jurisdiction and their adopted codes.
- e) Verify operation of low water protection devices by observing the blowdown of these controls or the actual lowering of boiler water level under carefully controlled conditions with the burner operating. This test should shut off the heat source to the boiler. The return to normal condition such as the restart of the burner, the silencing of an alarm, or stopping of a feed pump should be noted. A sluggish response of the water level after blowdown could indicate an obstruction in the connections to the boiler. If the control cannot be tested during the inspection, a review of relevant documentation may be conducted to confirm that the control is being properly maintained, and no known deficiencies exist.
- f) ~~Verify the~~ ~~The~~ operation of a submerged low-water fuel cutoff mounted directly in a steam boiler shell ~~should be by observing the~~ testing of this control by lowering the boiler water level carefully. This ~~shall~~should be done only after being assured that the water level gage glass is indicating correctly and there is no sluggish response after the column blowdown. If the control cannot be tested during the inspection, a review of relevant documentation may be conducted to confirm that the control is being properly maintained, and no known deficiencies exist.
- ~~f) —~~
- g) On a ~~high-temperature hot~~ water heating boilers, it is often not possible to test the control by cutoff indication, but where the control is of the float type, externally mounted, the float chamber ~~should~~ shall be drained to check for the accumulation of sediment.
- h) On forced circulation boilers, verify the flow sensing device ~~shall be to be operational by actual~~ observing the testing of the control to verify that the burner will shut down the boiler on a loss of flow. If the control cannot be tested during the inspection, a review of relevant documentation may be conducted to confirm that the control is being properly maintained, and no known deficiencies exist.
- i) On electric boilers, it ~~should~~ shall be verified that the boiler is protected from a low water condition either by construction or a low water cutoff or a low flow sensing device.
- j) In the event controls are inoperative or the correct water level is not indicated, the boiler shall be taken out of service until the unsafe condition has been corrected or mitigated.
- k) Verify aAll automatic low-water fuel cutoff and water-feeding devices ~~should be examined by the Inspector to ensure that they~~ are properly installed. During the internal inspection, The Inspector verify should have the float chamber types of control devices are disassembled and the float linkage and connections examined for wear. Confirm tThe float chamber ~~should be examined to ensure that it~~ is free of sludge or other accumulation. Any necessary corrective action shall be taken before the device is placed back into service. ~~The Inspector should~~ Also verify echeck that the operating instructions for the devices are readily available.

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- l) Check that the following controls/devices are ~~provided:~~ properly installed, maintained, and tested in accordance with the Manufacturer's recommendations or an industry standard:
 - 1) Each automatically fired steam boiler is protected from overpressure by not less than two pressure operated controls, one of which may be an operating control.

When required by ~~the code of construction~~ or the jurisdiction, the high pressure limit control shall be of the manual reset type.
 - 2) Each automatically fired hot-water boiler or hot-water boiler system is protected from over-temperature by not less than two temperature operating controls, one of which may be an operating control.

When required by ~~the code of construction~~ or the jurisdiction, the high temperature limit control shall be of the manual reset type.
 - 3) Each hot-water boiler is fitted with a thermometer that will at all times, indicate the water temperature at or near the boiler outlet.
- m) Verify that any repair, alteration, or replacement of a control or safety device complies with the following:
 - 1) The requirements of the original installation code or jurisdiction, as appropriate.
 - 2) The work is conducted by trained and qualified individuals, with any additional certification as required by the jurisdiction.
 - 3) The work is documented.

NBIC Action Item A24-76

Submitted by James Roberts (james.roberts@triarccorp.com)

Submitted on July 26,2024

Revised: 1/9/2025

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

Subject:	Revision to Part 2, S7.9
NBIC Location:	Part 2, S7.9
Statement 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.
Background Information:	

Proposed Text:

S7.9 ASME LPG PRESSURE VESSELS LESS THAN 2000 GALLONS BEING REFURBISHED BY A COMMERCIAL SOURCE

Commercially refurbished pressure vessels are used pressure vessels that are temporarily taken out of service for repair and or renewal and sent to a company which specializes in this type of work. Because the history of some of these pressure vessels is unknown, special attention shall be given to inspection and repair before returning any of these pressure vessels back to service. ASME LPG pressure vessels less than 2,000 gal. (7,570 l) may be refurbished subject to the following conditions:

- a) A complete external inspection shall be completed under the guidelines of this supplement. If any defects are found, as defined in S7.8.1 through S7.8.5, the defect shall be repaired under NBIC Part 3, Repairs and Alterations, by qualified personnel or permanently removed from service;
- b) Pressure vessels of this size that have been previously used in anhydrous ammonia service shall not be converted to LPG service. See NBIC Part 2, S7.8.6;
- c) The coating on the outside of the pressure vessel shall be removed down to bare metal so that an inspection can be performed under the guidelines of this supplement; ~~and~~

NBIC Action Item A24-76

Submitted by James Roberts (james.roberts@triarccorp.com)

Submitted on July 26,2024

Revised: 1/9/2025

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d) Verify that there is no internal corrosion if the pressure vessel has had its valves removed or is known to have been out of service for an extended period.;

e) Removal and re-attachment of the original manufacturer's nameplate shall only be done in accordance with NBIC Part 2, 5.2.4; and;

~~e)f) The refurbished commercial source shall apply a~~ An adhesive tag or label or wire tag shall be applied near the service valve of the vessel with the following information:

-Name of the commercial source;

-Address of the commercial source;

-Year of that the tank was refurbished.; and

-“This ASME LPG pressure vessel was commercially refurbished per NBIC S7.9.”

NBIC Action Item A25-54
 Submitted by T. Hellman (thellman@nbbi.org)
 Submitted on 7/29/2025
 Page 1 of 1



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

Subject:	NB-136 Instructions updated - 5.2.2 a)
NBIC Location:	Part: Inspection; Section: 5; Paragraph: 5.2.2 a)
Statement of Need:	Clarification on the minimum documents to submit for filing with the NB, and consistency with the online NB-136 instructions is needed.
Background Information:	Clarification on the minimum documents to submit for filing with the NB, and consistency with the online NB-136 instructions is needed. - Proposed adding the words, "and any attachments" to Part 2, NB-136 instructions in 5.2.2 a).

Proposed Text:

5.2.2 REPORTING

- a) The completed Form NB-136, *Replacement of Stamped Data Form*, any attachments, and ~~with~~ a facsimile of the replacement stamping or nameplate applied and appropriate signatures shall be filed with the Jurisdiction, if applicable and the National Board by the owner, user, original manufacturer, or "R" Certificate Holder.
- b) The owner or user shall retain all documentation provided for traceability with the completed form NB-136 for as long as the pressure-retaining item is in their ownership or use. If the pressure-retaining item is sold, Form NB-136 along with the supporting documentation shall be provided to the new owner.

NBIC Action Item 25-77
 Submitted by Jonathan Ellis (jellis@nbbi.org)
 Submitted on December 11, 2025
 Page 1 of 1



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

Subject:	Corrections to Part 2, Table S6.13.11.2-b
NBIC Location:	2025 NBIC Part 2, Table S6.13.11.2-b
Statement of Need:	The metric and standard units in this table are inverted in the table's title and in the table's first column.
Background Information:	This was discovered during a review of the Spanish translation of Part 2.

Proposed Text:

TABLE S6.13.11.2-b

MINIMUM THICKNESS FOR SHELLS, ~~IN. (MM)~~MM (IN.)

Cargo tank motor vehicle rated capacity in liters (gallons)	MS	SS/HSLA	AL
More than 0 to at least 4,500 17,000 (0 to 17,000 4,500)	2.54 (0.100)	2.54 (0.100)	3.84 (0.151)
More than 4,500 17,000 to at least 8,000 30,300 (17,000 4,500 to 30,300 8,000)	2.92 (0.115)	2.54 (0.100)	4.06 (0.160)
More than 8,000 30,300 to at least 14,000 53,000 (30,300 8,000 to 53,000 14,000)	3.28 (0.129)	3.28 (0.129)	4.39 (0.173)
More than 14,000 53,000 (53,000 14,000)	3.63 (0.143)	3.63 (0.143)	4.75 (0.187)
Note: The maximum distance between bulkhead, baffles, or ring stiffeners shall not exceed 1,525 mm (60 inches)			

NBIC Action Item 25-79

Submitted by James Roberts (james.roberts@triarccorp.com)

Submitted on December 11, 2025

Page 1 of 2



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

Subject:	Added a new paragraph to S7.4 to address nameplates during inspection.
NBIC Location:	Part 2, S7.4a)
Statement 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.
Background Information:	Many owners and jurisdictions may only use S7.4 to conduct inspections on pressure vessels. ASME code nameplates are not included in these inspections. Often, these nameplates are lost, detached, or illegible, and this issue must be resolved during the inspection.

Proposed Text:

S7.4 EXTERNAL INSPECTION

The pressure vessel shall be inspected for corrosion, distortion, cracking, or other conditions as described in this section. In addition, the following should be reviewed, where applicable:

Inspection shall consist of the following:

a) Design/operation —

Verify from the nameplate the code of construction, temperature, and pressure ratings to ensure jurisdictional and system compatibility. If the nameplate is lost, illegible, or detached, see NBIC Part 2, 5.2.1.

a)b) Insulation or Coating

If the insulation or coating is in good condition and there is no reason to suspect an unsafe condition behind it, then it is not necessary to remove the insulation or coating in order to inspect the pressure vessel. However, it may be advisable to remove a small portion of the insulation or coating in order to determine its condition and the condition of the pressure vessel surface. For commercially refurbished pressure vessels see NBIC Part 2, S7.9.

b)c) Evidence of Leakage

NBIC Action Item 25-79

Submitted by James Roberts (james.roberts@triarccorp.com)

Submitted on December 11, 2025

Page 2 of 2

Any leakage of vapor or liquid shall be investigated. Leakage coming from behind insulation or coating, supports, or evidence of past leakage shall be thoroughly investigated by removing any insulation necessary until the source is established.

e)d Structural Attachments

The pressure vessel mountings should be checked for adequate allowance for expansion and contraction, such as provided by slotted bolt holes or unobstructed saddle mountings. Attachments of legs, saddles, skirts, or other supports should be examined for distortion or cracks at welds.

d)e Pressure Vessel Connections

Components that are exterior to the pressure vessel and are accessible without disassembly shall be inspected as described in this paragraph. Manholes, reinforcing plates, nozzles, couplings, or other connections shall be examined for cracks, deformation, or other defects. Bolts or nuts should be examined for corrosion or defects. Weep holes in reinforcing plates shall remain open to provide visual evidence of leakage as well as to prevent pressure buildup between the pressure vessel and the reinforcing plate. Accessible flange faces should be examined for distortion. It is not intended that flanges or other connections be opened unless there is evidence of corrosion to justify opening the connection.

e)f Fire Damage

Pressure vessels shall be carefully inspected for evidence of fire damage. The extent of fire damage determines the repair that is necessary, if any (See NBIC Part 2, S7.7).