



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

NATIONAL BOARD INSPECTION CODE NR TASK GROUP

MINUTES

**Meeting of July 15th, 2024
Louisville, KY**

These minutes are subject to approval and are for committee use only. 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
FAX: (614)847-1828

1. Call to Order

Chair Spuhl called the meeting to order at 8:00 a.m. Eastern Time in the Citation B room at the hotel.

2. Introduction of Members and Visitors.

Members and visitors were introduced, and attendance taken.

3. Check for a Quorum

A quorum was established based on Attendance taken ([Attachment 1](#))

4. Announcements

- This meeting marks the end of Cycle D for the 2025 NBIC edition. This meeting marks the end of the 2025 NBIC development cycle and is the last opportunity for code revisions to be approved for the 2025 NBIC.
- The National Board will be hosting a reception on Wednesday evening from 5:30 p.m. to 7:30 p.m. at the Rooftop Garden on the 16th floor of the hotel.
- The National Board will be hosting breakfast and lunch on Thursday in Citation A/B for those attending the Main Committee meeting. Breakfast will be served from 7:00 a.m. to 8:00 a.m. and lunch will be served 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, power points, etc.) to the NBIC file share site (nbfileshare.org) **prior to the meeting**.
 - Note that access to the NBIC file share site is limited to committee members only.
 - ALL power point attachments/presentations must be sent to the NBIC Secretary prior to the meeting for approval.
 - Contact Jonathan Ellis (nbicsecretary@nbbi.org) for any questions regarding NBIC file share access.
- When possible, please submit proposals in Word format showing “strike through/underline”. Project Managers: please ensure any proposals containing text from the 2021 NBIC are updated to contain text from the 2023 NBIC.
- If you'd like to request a new Interpretation or Action item, this should be done 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. The online registration is very helpful for planning our reception, meals, room set up, etc. Please continue to use the online registration for each meeting. It is also a good way to make sure we have the most up-to-date contact information.

5. Adoption of the Agenda

The Agenda was revised by **Adding I24-39**, and unanimously adopted as revised.

6. Approval of the Minutes of the January 8, 2024, Meeting

The minutes were unanimously approved (UA).

7. Review of Rosters

Membership Nominations

Mr. Aziz Khssassi (Jurisdictional Authorities) was considered for membership to the NR Task Group. He was UA by the NR TG Membership.

a. **Membership Reappointments: None**

b. **Officer Nominations: None**

8. Interpretations

Item Number: I24-10	NBIC Location: Part 3, 1.6.4 d), 1.6.6.2 t), 1.6.7.2 t), and 1.6.8.2 t)	Attachment 2
General Description: Qualification requirements for AIA Audit		
Subgroup: NR TG		
Task Group: C. Dinic (PM)		
Explanation of Need: The 2023 Edition of the NBIC added the requirement for the ANI performing NR activities to have the N, R, and I endorsements. This raises the question as to the intent of the NBIC as to what endorsements are required for the Supervisor that oversees the ANI's work and performs the audit of the NR CH.		
July 2024 Meeting Action: This proposal is under review by the CQI, as this impacts RCI-1. Discussion, by C. Dinic, Annual audits by the AIA, may not be required to be conducted by a Supervisor per NBIC, however ASME audits are all required to be conducted by a "Supervisor". Interp 01-05 may need to be revised, as it already addresses audits of the Inspector. Quality programs may already have qualifications for auditors. 1.6.4 d) already allows for someone other than supervisors to conduct audits of the NR program. Auditor qualifications may be determined by an AIA based on the Category/scope of the Cert. Holder. An action item will be opened to change 1.6.4 d) (or elsewhere) to require audits to be performed by Supervisors. The revised proposal was UA.		

Item Number: I24-39	NBIC Location: Part 3, 1.3.2 b)	Attachment 3
General Description: Certification of NR-1 without stamping (INTENT INTERP - TIED TO A24-43)		
Subgroup: Repairs and Alterations		
Task Group: M. Vogt (PM), R. Spuhl		
Explanation of Need: Clarity is needed for NR work where the lack of NR stamping due to a practical matter, not necessarily a jurisdictional reason, may preclude certifying an NR-1. This Intent Interpretation is tied to Action Item A24-43		
July 2024 Meeting Action: The proposal was revised after discussion. Comments about adding quality assurance manual references were discussed. The proposal was UA.		

9. Action Items

Item Number: A23-57	NBIC Location: Part 3, 1.6	No Attachment
<p>General Description: Rename Authorized Nuclear Inspector - NR TG Item</p> <p>Subgroup: NR TG</p> <p>Task Group: C. Dinic (PM)</p> <p>Explanation of Need: Endorsements required may need to be revised based on Category of work. Name of the Inspector may need to be revised.</p> <p>January 2024 Meeting Action: Presentation by C. Dinic. NBIC Proposals to be submitted to the NR TG for Rvw & Comment LB prior to CoQ meeting in March 2024 for consideration/direction. Intent Interp & supporting Action Item may need to be opened to clarify current ANI and ANIS qualifications/requirements for A23-60. – This was a PR.</p> <p>July 2024 Meeting Action: This proposal is under review by the CQI, as this impacts RCI-1. Meetings will be scheduled with NBBI, Canadian jurisdictions, and NR TG members (e.g. Tom Roberts) to clarify what is needed. This item is addressed by A23-60 so a motion to Close w/No Action was UA</p>		

Item Number: A23-60	NBIC Location: Part 3, 1.6	No Attachment
<p>General Description: Endorsements required for Nuclear Inspectors based on Category of work</p> <p>Subgroup: NR TG</p> <p>Task Group: C. Dinic (PM)</p> <p>Explanation of Need: Endorsements required for Nuclear Inspectors based on Category of work (1, 2, or 3)</p> <p>January 2024 Meeting Action: R. Spuhl will provide a proposal and Intent Interp based on this proposal. – This was a PR.</p> <p>July 2024 Meeting Action: This proposal is under review by the CQI, as this impacts RCI-1. Meetings will be scheduled with NBBI, Canadian jurisdictions, and NR TG members (e.g. Tom Roberts) to clarify what is needed. This was a PR.</p>		

New Items:

Item Number: A24-06 NBIC Location: Part 3, 1.6.6.2 o) Attachment 4
<p>General Description: Owners vs NR Cert Holders stamping and certification criteria for Cat. 1</p> <p>Subgroup: NR TG</p> <p>Task Group: R. Spuhl (PM)</p> <p>Explanation of Need: Stamping requirements for Category 2 and 3 (allowing for the waiving of applying the “NR” stamp or repair plate), will need to be addressed via Action Item and Intent Interp. Owners vs NR Cert Holders may have different criteria for NR-1 form alternatives and stamping reqs (ie. NIS-2 or RR-1 per Non-Mand. Appdx T per Sect. XI).</p> <p>July 2024 Meeting Action: Discussion regarding if using a different form other than the NR-1 form may be used if the same technical information is present. Consideration of an online registration from(s) via EDT may also be used in the future. The proposal was revised for Cat. 1 and was duplicated to Cat 2 and 3 for SG R&A vote tomorrow. The proposal was UA.</p>

Item Number: A24-07 NBIC Location: Part 3, 1.6.7.2 o) Attachment 5
<p>General Description: Owners vs NR Cert Holders stamping and certification criteria for Cat. 2</p> <p>Subgroup: NR TG</p> <p>Task Group: T. Roberts (PM)</p> <p>Explanation of Need: Stamping requirements for Category 2 and 3 (allowing for the waiving of applying the “NR” stamp or repair plate), will need to be addressed via Action Item and Intent Interp. Owners vs NR Cert Holders may have different criteria for NR-1 form alternatives and stamping reqs (ie. NIS-2 or RR-1 per Non-Mand. Appdx T per Sect. XI).</p> <p>July 2024 Meeting Action: Discussion regarding if using a different form other than the NR-1 form may be used if the same technical information is present. Consideration of an online registration from(s) via EDT may also be used in the future. The proposal was revised for Cat. 1 and was duplicated to Cat 2 and 3 for SG R&A vote tomorrow. The proposal was UA.</p>

Item Number: A24-08	NBIC Location: Part 3, 1.6.8.2 o)	Attachment 6
<p>General Description: Owners vs NR Cert Holders stamping and certification criteria for Cat. 3</p> <p>Subgroup: NR TG</p> <p>Task Group: A. Khssassi (PM)</p> <p>Explanation of Need: Stamping requirements for Category 2 and 3 (allowing for the waiving of applying the “NR” stamp or repair plate), will need to be addressed via Action Item and Intent Interp. Owners vs NR Cert Holders may have different criteria for NR-1 form alternatives and stamping reqs (ie. NIS-2 or RR-1 per Non-Mand. Appdx T per Sect. XI).</p> <p>July 2024 Meeting Action: Discussion regarding if using a different form other than the NR-1 form may be used if the same technical information is present. Consideration of an online registration from(s) via EDT may also be used in the future. The proposal was revised for Cat. 1 and was duplicated to Cat 2 and 3 for SG R&A vote tomorrow. The proposal was UA.</p>		

Item Number: A24-09	NBIC Location: Part 3, 1.6.1 – 1.6.5	Attachment
<p>General Description: Update and revise NR Scope in 1.6.1 - 1.6.5</p> <p>Subgroup: NR TG</p> <p>Task Group: R. Spuhl (PM)</p> <p>Explanation of Need: Scope and update and revision to 1.6.1 - 1.6.5.</p> <p>July 2024 Meeting Action: R. Spuhl presented a PR. Other changes have impacted this item.</p>		

Item Number: A24-54	NBIC Location: Part 3, 1.6	Attachment
<p>General Description: Revise NR Section with QMS Verbiage</p> <p>Subgroup: NR TG</p> <p>Task Group: None assigned.</p> <p>Explanation of Need: This proposal was deemed substantive by the Part 3 NR Editorial Advisory Group. Changes were initially proposed to match the verbiage QAI uses (QMS vs. quality system). See Gary Scribner for details.</p> <p>July 2024 Meeting Action: To be Closed w/No Action based on existing ASME verbiage complications when referring to nuclear quality programs (e.g. assurance vs control vs management) Closed w/No Action -UA</p>		

10. Additional Business: None

11. Future Meetings

- January 13th-16th, 2025 – Charleston, SC
- July 2025 – TBD

12. Adjournment @11:55 AM by Chair Spuhl

Respectfully submitted,

Terrence Hellman

Terrence Hellman

NR Task Group Secretary



PROPOSED INTERPRETATION

Item No. 24-10
Subject/Title Qualification requirements for AIA Audit
Project Manager and Task Group
Source (Name/Email) Raymond Spuhl / raymond_spuhl@hsb.com
Statement of Need The 2023 Edition of the NBIC added the requirement for the ANI performing NR activities to have the N, R, and I endorsements. This raises the question as to the intent of the NBIC as to what endorsements are required for the Supervisor that oversees the ANI's work and performs the audit of the NR CH.
Background Information RCI-1 contains specific requirements for the ANI and ANIS. Neither of which require the R or I endorsements. Since these endorsements have been added to the NR Quality Program requirements in the NBIC, the industry needs clarification on the Supervisor qualifications. A change to the NBIC to address the endorsements required for the Supervisor is being worked on under Record 23-58 and 23-60.
Proposed Question Is the annual audit by the AIA of the NR CH required to be performed by the ANIS? If so, is the ANIS required to be qualified as an ANIS and ANII per RCI-1? Is the ANIS required to be qualified as an ANIIS per RCI-1?
Proposed Reply Yes Yes No
Committee's Question 1 Does NBIC Part 3, 1.6.4 d) require the annual audit to be performed by the Authorized Nuclear Inspector Supervisor?
Committee's Reply 1 No.
Rationale NBIC Part 3, 1.6.4 d)
Committee's Question 2
Committee's Reply 2
Committee's Question 3

VOTE:

COMMITTEE	Approved	Disapproved	Abstained	Not Voting	Passed	Failed	Date

CODE INTERPRETATIONS

Requests for code Interpretations shall provide the following:

a) Inquiry

Provide a condensed and precise question, omitting superfluous background information and, when possible, composed in such a way that a "yes" or a "no" reply, with brief provisos if needed, is acceptable. The question should be technically and editorially correct.

b) Reply

Provide a proposed reply that clearly and concisely answer the inquiry question. Preferably the reply should be "yes" or "no" with brief provisos, if needed.

c) Background Information

Provide any background information that will assist the committee in understanding the proposed Inquiry and Reply Requests for Code Interpretations must be limited to an interpretation of the particular requirement in the code. The Committee cannot consider consulting type requests such as:

A review of calculations, design drawings, welding qualifications, or descriptions of equipment or Parts to determine compliance with code requirements;

A request for assistance in performing any code-prescribed functions relating to, but not limited to, material selection, designs, calculations, fabrication, inspection, pressure testing, or installation; or

A request seeking the rationale for code requirements.



PROPOSED INTERPRETATION

Item No. 24-39
Subject/Title Certification of NR-1 without stamping
Project Manager and Task Group
Source (Name/Email) Terrence Hellman / thellman@nationalboard.org
Statement of Need Given I21-16 requirements, clarity is needed for NR work where the lack of NR stamping due to a practical matter, not necessarily a jurisdictional reason, may preclude certifying an NR-1.
Background Information I21-16 states that an Inspector shall not certify the R-1 if the Jurisdictional requirements do not meet the NBIC requirements. Would the lack of NR stamping due to a practical matter, not necessarily a jurisdictional reason, also preclude certifying an NR-1?
Proposed Question Would repair or replacement work done remotely in a hot space that is too hot to allow the stamping of the NR mark on the item also preclude certifying the NR-1?
Proposed Reply No, provided the NR-1 indicated the stamping was not possible, but all other parts of the NBIC were adhered to.
Committee's Question 1 Is it the intent of the NBIC to allow certification of the NR-1 form without application of the NR stamp or nameplate when repair or replacement work is in a space that is dangerous due to radioactivity?
Committee's Reply 1 Yes, provided the NR-1 or NVR-1 contains justification in the remarks, all other requirements of the NBIC were met, acceptance of the jurisdiction if applicable, and the NR Certificate Holder's QA program describes such provisions.
Rationale
Committee's Question 2
Committee's Reply 2
Rationale

VOTE:

COMMITTEE	Approved	Disapproved	Abstained	Not Voting	Passed	Failed	Date

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A request seeking the rationale for code requirements.

1.6.6 o) Quality Assurance Records

The provisions identified in ASME NQA-1, Part 1, Requirement 17, shall apply, except Paragraphs 400, 500, and 600 are not applicable. The following requirements shall be followed:

- 1) Records shall be identifiable and retrievable;
- 2) Records shall be retained consistent with the owners requirements for duration, location and assigned responsibility;
- 3) Forms NR-1 and NVR-1 as applicable shall be completed by the “NR” Certificate Holder upon completion of all repair/replacement activities. Completion of forms, registrations and stamping of the “NR” symbol stamp shall meet the requirements of NBIC Part 3, Section 5. A log shall be maintained in accordance with NBIC Part 3, 5.6; When permitted by the Jurisdiction, the owner may use alternative forms containing all the information within the Form NR-1
- 4) Lifetime and non-permanent records shall be as specified in ASME Section III, NCA-4134, Tables NCA-4134.17-1, and 4134.17-2;

1.6.6

q) Inspection or Test Status (not to include operating status)

The provisions identified in ASME NQA-1, Part 1, Requirement 14 shall apply. Measures shall be established to indicate inspection and test status of parts, items, or components during the repair/replacement activity. The system used shall provide positive identification of the part, item, or component by means of stamps, labels, routing cards, or other acceptable methods. The system shall include any procedures or instructions necessary to achieve compliance. Procedures shall be provided for the identification of acceptable and unacceptable items and for the control of status indicators. The authority for application and removal of status indicators shall also be specified. The Quality Assurance Program shall provide adequate control of the “NR” Symbol Stamp. In addition, the Quality Assurance Program shall make provisions for the Inspector acceptance prior to the application of the “NR” Symbol Stamp to the item or attachment of the stamped nameplate.

24-07 – Category 2

1.6.7 o) Quality Assurance Records

5) The original of the completed Form NR-1 or Form NVR-1, as applicable, shall be registered with the National Board and, if required, a copy forwarded to the Jurisdiction where the nuclear power plant is located. A log shall be maintained in accordance with NBIC Part 3, 5.6. When permitted by the Jurisdiction, the owner may use alternative forms containing all the information within the Form NR-1

q) Inspection or Test Status (not to include operating status)

Measures shall be established to indicate examination and test status of parts, items, or components during the repair/replacement activity. The system used shall provide positive identification of the part, item, or component by means of stamps, labels, routing cards, or other acceptable methods. The system shall include any procedures or instructions necessary to achieve compliance. Also, measures shall be provided for the identification of acceptable and unacceptable items. They shall also include procedures for control of status indicators, including the authority for application and removal of status indicators. The Quality Assurance Program shall provide adequate control of the “NR” Symbol Stamp. In addition, the Quality Assurance Program shall make provisions for the Inspector acceptance prior to the application of the “NR” Symbol Stamp to the item or attachment of the stamped nameplate.

24-08 -Category 3

1.6.8 o) Records

1) All quality related records shall be classified, identified, verified, maintained, distributed retrievable, and accessible. When the "NR" Certificate Holder is the owner, designated records and reports received by the owner, shall be filed and maintained in a manner to allow access by the Authorized Nuclear Inservice Inspector (ANII). Suitable protection from deterioration and damage shall be provided by the owner. These records and reports shall be retained as specified in the owner's QAP for the lifetime of the component or system. Records to support evidence of activities affecting quality shall include as applicable:

- a. Inspections and acceptance criteria/results;
- b. Tests performed and supporting reports;
- c. Procedures/instructions;
- d. Qualification of personnel, procedures, and equipment;
- e. Types of observations and results;
- f. Audits;
- g. Nonconformances; and
- h. Corrective actions.

2) The original of the completed Form NR-1 or Form NVR-1, as applicable, shall be registered with the National Board and, if required, a copy forwarded to the Jurisdiction where the nuclear power plant is located. A log shall be maintained in accordance with NBIC Part 3, 5.6. When permitted by the Jurisdiction, the owner may use alternative forms containing all the information within the Form NR-1.

q) Inspection or Test Status

Measures shall be established to indicate inspection and test status of parts, items or components during repair/replacement activity. Measures shall include identification, procedures, control indicators (acceptable, unacceptable) and responsibility of personnel. The Quality Assurance Program shall provide adequate control of the "NR" Symbol Stamp. In addition, the Quality Assurance Program shall make provisions for the Inspector acceptance prior to the application of the "NR" Symbol Stamp to the item or attachment of the stamped nameplate.