

## NR Task Group Meeting

Monday, July 18, 2016

Columbus, OH 43229

### MINUTES

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#### 1. Call to Order

Mr. Paul Edwards, Chairman, called the meeting to order at 9:00 am ET.

#### 2. Introductions/Announcements (See attached attendance – Attachment 1)

Those in attendance introduced themselves.

#### 3. Approval of Agenda

Additions to the Agenda under New Business:

- 1.) Discuss scope of Category 3
- 2.) Add additional requirements for 1.8.6 (d)(2) NVLAP requirements for Categories 2 and 3
- 3.) Registration of NR Forms

The Agenda was approved by a unanimous vote by the TG members.

#### 4. Approval of Minutes Dated January 11, 2016

The minutes were unanimously approved with no changes noted.

#### 5. (a) The following approved action items from January TG meeting to present were reviewed to refresh

TG member actions before discussing present agenda items. Approved Actions:

NB15-1201, NB 15-1204, NB 15-1407, NB 15-1408, NB15-1409, NB16-0604, and NB16-0605

#### (b) **NB15-1203** (Supplement 9) – TG addressed comments from letter ballot for defining term re-rating of PRD's.

Joe Ball recommended no action needed. TG unanimously voted to move forward with no additional changes needed and to respond back to the commenter. Move action forward as previously approved.

**NB16-0601** – Clarify definition of re-rate.

After TG discussion, it was decided to clarify the glossary term to note re-rate is not applicable to PRD's. It was unanimously approved to move forward to SC Part 3 and NBIC committee for approval. **(See attachment 2)**

**NB16-0602** – Clarify NR Program categories.

After much discussion, it was decided to further define capability for Category 2 to be applied prior to fuel loading based on regulatory acceptance. **(See attachment 2)**. It was unanimously approved to move forward to SC and MC for approval.

**NB16-0603** – Application of Supplement 9 to address using the NVR supplement for repairing PRD's not ASME certified.

After much discussion the TG unanimously approved the revisions to Supplement 9 as presented by Joe Ball.

Action will be moved to SC PRD's, Part 3 and MC for approval.

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**NB16-0606** – Address requirements for maintaining a registration log for each category within the NR program. A draft was presented for referenced paragraphs 1.8.6(n)(3), 1.8.7(n)(5), and 1.8.8.2(m). It was unanimously approved to accept the draft revisions as presented. Action will move forward to SC Part 3 and MC for approval. **(See attachment 2)**

**NB16-1501** – Revision to NR, NVR nameplates.

Revision to nameplates as referenced in Part 3 5.7.5(f) and 5.7.5(g) were discussed. Revisions were unanimously approved to move forward to SC Part 3 and MC for approval. **(See attachment 2)**

#### 6. **Promoting “NR” Accreditation Program**

A draft letter to NRC was presented for discussion of revisions. Suggestions by TG members will be incorporated in a final draft to be submitted to the NRC in August, 2016 along with attachments as reviewed and referenced in the draft letter.

#### 7. **New Business**

- a) Review of NR and NVR forms were not addressed during this meeting, however, these forms will be continually reviewed and revised as needed to address industry needs.
- b) TG discussed adding requirements for categories 2 and 3 for addressing subcontracted calibration and testing services for accepting organizations accredited to NVLAP, A2LA or other accrediting bodies through ILAC. Action Item NB16-0609 opened to address at next TG meeting.
- c) Registration of NR Forms was not discussed.

#### 8. **Next Meeting**

Future meeting will be held January 19, 2017 in San Diego, CA.

#### 9. **Adjournment**

The meeting was adjourned at 3:45 pm on July 18, 2016



# NR TOC

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**SUPPLEMENT 9**

~~PROCEDURES TO EXTEND THE "VR" CERTIFICATE OF AUTHORIZATION AND STAMP  
TO FOR REPAIRS OF ASME "NV" STAMPED PRESSURE RELIEF DEVICES S9.1~~  
**INTRODUCTION**

~~Approval to extend the scope of the National Board "VR" Certificate of Authorization to the Certificate Holder to use the "VR" Stamp on ASME Code "NV" Class 1, 2, or 3 stamped pressure relief devices, which have been capacity-certified by the National Board, may be given subject to the provisions that follow. may be repaired provided the following requirements are met.~~

**S9.2 ADMINISTRATIVE PROCEDURES**

- a) The repair organization shall hold a valid "VR" *Certificate of Authorization*.
- b) The repair organization shall obtain a National Board "NR" *Certificate of Authorization* and stamp. The requirements for said certificate and stamp include, but are not limited to, the following. The repair organization shall:
  - 1) Maintain a documented quality assurance program that meets the applicable requirements of NBIC Part 3, 1.8. This program shall also include all the applicable requirements for the use of the "VR" stamp;
  - 2) Have a contract or agreement with an Inspection Agency to provide inspection of repaired "NV" - stamped pressure relief devices by Inspectors who have been qualified in accordance with the requirements of ASME QAI-1, *Qualifications for Authorized Inspection*;
  - 3) Successfully complete a survey of the quality assurance program and its implementation. This survey shall be conducted by representatives of the National Board, the Jurisdiction wherein the applicant's repair facilities are located, and the applicant's Authorized Inspection Agency. Further verification of such implementation by the survey team may not be necessary if the applicant holds a valid ASME "NV" certificate and can verify by documentation the capability of implementing the quality assurance program for repair of "NV" -stamped pressure relief devices, covered by the applicant's ASME "NV" certificate.
- c) The application of the "NR" *Certificate of Authorization* and stamp shall clearly define the scope of intended activities with respect to the repair of Section III, "NV" -stamped pressure relief devices.
- d) Revisions to the quality assurance program shall be acceptable to the Authorized Nuclear Inspector Supervisor and the National Board before being implemented.
- e) The scope of the "VR" *Certificate of Authorization* shall include repair of "NV" -stamped pressure relief devices.

- f) Verification testing of valves repaired by the applicant shall not be required provided such testing has been successfully completed under the applicant's "VR" certification program for the applicable test fluids.
- g) A survey of the applicant for the "VR" *Certificate of Authorization* and endorsement of the repair of "NV" - stamped pressure relief devices may be made concurrently.

### **S9.3 GENERAL RULES**

- a) ASME Code Section III, "NV" -stamped pressure relief devices, which have been repaired in accordance with these rules, shall be stamped with both the "VR" and "NR" stamps.
- b) The "VR" and "NR" stamps shall be applied only to "NV" stamped (Class 1, 2, or 3) National Board capacity certified pressure relief devices that have been disassembled, inspected, and repaired as necessary, such that the valves' condition and performance are equivalent to the standards for new valves.
- c) All measuring and test equipment used in the repair of pressure relief devices shall be calibrated against certified equipment having known valid relationships to nationally recognized standards.
- d) Documentation of the repair of "NV" -stamped pressure relief devices shall be recorded on the National Board Form NVR-1, *Report of Repair/ Replacement Activities for Nuclear Pressure Relief Devices*, in accordance with the requirements of NBIC Part 3, 1.8.
- e) When an ASME "NV" -stamped pressure relief device requires a duplicate nameplate because the original nameplate is illegible or missing, it may be applied using the procedures of NBIC Part 3, 5.12.5 provided concurrence is obtained from the Authorized Nuclear Inspector and Jurisdiction. In this case the nameplate shall be marked "SEC. III" to indicate original ASME Code stamping.
- f) Repair activities for pressure relief devices shall not include rerating of the device. Set pressure changes within the range of the valve manufacturer's capacity certification and the design pressure of the valve (see Part 3, 5.12.3) are permitted, provided the new set pressure and capacity rating are reconciled with the design of the system where the device will be used. Set pressure changes are not considered to be rerating.
- g) Conversions of pressure relief devices as described in NBIC Part 3, S7.2 ba) are permitted as part of repair activities.
- h) Set pressure changes or conversions of pressure relief devices shall be described in the "Remarks" section of Form NVR-1.

**NB16-0601 7-18-16**

**Glossary of Terms**

**Re-rating (re-rate)** – See alteration. Re-rate does not apply to pressure relief devices.

**NB16-0602 7-18-16****1.8.2 GENERAL**

a) An organization applying for an “NR” *Certificate of Authorization* shall have a written Quality Assurance Program (QAP) that details the specific requirements to be met based on the intended category of activities selected by that organization as described below and shown in Table 1.8.2. Controls used, including electronic capabilities, in the Quality Assurance Program shall be documented in a Quality Assurance Manual (QAM). Controls required to be included within the QAM shall include who, what, when, where, why and how with an understanding that the how can be a reference to an implementation procedure or instruction. Quality activities to be described in the Quality Assurance Program is identified in Section 1.8.5 of this part. Applicants shall address all requirements in their Quality Assurance Program based on the category of activity and scope of work to be performed (organization’s capabilities) to which certification is requested.

b) Category 1

Any ASME Code certified item or system requiring repair/replacement activities irrespective of physical location and installation status prior to fuel loading.

c) Category 2

After fuel loading, any item or system under the scope of ASME Section XI requiring repair/replacement activities irrespective of physical location. Based on regulatory or jurisdictional acceptance, Category 2 may be used prior to fuel loading.

d) Category 3

Items constructed to codes or standards other than ASME, requiring repair/replacement activities irrespective of physical location, installation status and fuel loading.



**NB16-0606 – 7-18-16****1.8.6.2 n ) 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; and

**1.8.7.2 n) 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.

**1.8.8.2 m)**

a) All quality related records shall be classified, identified, verified, maintained, distributed, retraceable, 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.

a)b) 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.

NB16-1501 NR Task Group 7-18-16

**FIGURE 5.7.5-f**  
**REQUIRED MARKINGS FOR NUCLEAR REPAIRS OR REPLACEMENTS**



**FIGURE 5.7.5-g**  
**REQUIRED MARKINGS FOR REPAIR OR REPLACEMENT OF NUCLEAR PRESSURE RELIEF VALVES**



Note 4: For Group 3, see Part 3, 59.3 a)

**Comment [TB1]:** Can be added back in if item NB16-0603 gets approved.