

# Date Distributed:

**NATIONAL BOARD**

**SUBGROUP**

**REPAIRS AND ALTERATIONS**

MINUTES

Meeting of July 18th, 2017

Columbus, Ohio

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The National Board of Boiler & Pressure Vessel Inspectors

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1. **Call to Order**

Bill Vallance called the meeting to order at 8:00 am

1. **Introduction of Members and Visitors**

The members and visitors introduced themselves and signed in on the attendance sheet (Pages 1-3). 17 members were present.

Mr. Craig Hopkins has nominated Isaac Osborn as his alternate for this meeting.

1. **Announcements**

There will be a Picnic Wednesday evening at the lake pavilion.

1. **Adoption of the Agenda**

A motion was made and unanimously approved to adopt the revised agenda.

1. **Approval of the Minutes of January 10th, 2017 Meeting**

A motion was made and unanimously approved to accept the minutes from January 10th 2017.

1. **Review of Rosters**
	1. **Membership Nominations**

Mr. Joel Amato announced his resignation, after this meeting, from this committee since he is now the Chairman of the National Board, Board of Trustees.

Mr. Rick Strum was approved for membership the SG Repairs and Alterations to replace Joel Amato.

* 1. **Membership Reappointments**
* Rob Troutt – SG Repairs and Alterations
* Wayne Jones – SG Repairs and Alterations
* Rick Valdez – SG Repairs and Alterations

A motion was made and unanimously approved to reappoint Rob Troutt, Wayne Jones, and Rick Valdez to the SG Repairs and Alterations. These reappointments are subject to the approval of the Chairman of the Board of Trustees.

* 1. **Officer Selection**
* SG Repairs and Alterations Chair

Mr. Brian Boseo was selected as the Chair, SG Repairs and Alterations.

* SG Repairs and Alterations Vice Chair

Mr. Ben Schaefer was selected as the Vice Chair, SG Repairs and Alterations.

1. **NBIC Business**
2. **Interpretations**

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| **Item Number: IN15-1301** | **NBIC Location: Part 3, 3.3.3s, 3.4.3g** | **Attachment Page 4** |
| **General Description:** Does changing a bolt material require an "R" form and stamp? |
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| **Subgroup:** Repairs and Alterations**Task Group:** Jamie Walker PM, Bob Wielgoszinski  |
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| **July 2017**: Jamie Walker presented the interpretation. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration.  |

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| **Item Number: IN16-0401** | **NBIC Location: Part 3** | **No Attachment**  |
| **General Description:** Certificates of Authorization for companies in a merger or acquisition |
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| **Subgroup:** Repairs and Alterations**Task Group:** J. Amato (PM), R. Cauthon, B. Wielgoszinski, G. Scribner**July 2017:** A motion was made and unanimously approved to close this item with a letter to the submitter that this is not addressed in the NBIC. |

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| **Item Number: IN16-1201** | **NBIC Location: Part 3** | **No Attachment** |
| **General Description:** Are new calculations required if a routine repair is done with material that has a greater allowable stress than the original material? |
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| **Subgroup:** Repairs and Alterations**Task Group:** Nathan Carter PM, Ben Schaefer.**July 2017**: Nathan Carter indicated he has tried to contact the submitter several times with no progress in those efforts. A motion was made and unanimously approved to close this item with no further action. |

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| **Item Number: IN16-1301** | **NBIC Location: Part 3** | **No Attachment** |
| **General Description:** To determine if a liquid pressure test must be deemed impracticable before NDE can be performed to verify the integrity of repairs to pressure retaining items and connecting welds of replacement parts. |
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| **Subgroup:** Repairs and Alterations**Task Group:** Nathan Carter, PM**July 2017**: There have been discussions with the submitter that this interpretation did not fit into an NBIC Certificate holder and Inspector relationship response. The submitter has asked it be withdrawn. A motion was made and unanimously approved to close this item with no further action. |

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| **Item Number: IN17-0101** | **NBIC Location: Part 3** | **No Attachment** |
| **General Description:** May the certificate owner’s audit responsibilities be extended to limit the ANIS audit to areas of responsibility required to be continually maintained such as training, audits, organizational structure, QA Program revisions, etc. when no (physical) work is performed. |
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| **Subgroup:** Repairs and Alterations**Task Group:** NR Task Group**July 2017**: July 2017: Mr. Paul Edwards indicated the Task Group has decided to close this item after it was considered a possible code change verses an interpretation. Action Item number 17-154 was opened. A motion was made and unanimously approved to close this item with no further action. |

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| **Item Number: 17-135** | **NBIC Location: Part 3, Section 3** | **Attachment Page 5**  |
| **General Description:** Must an "R" stamp be applied after the restoration of a corrugating roll? |
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| **Subgroup:** Repairs and Alterations**Task Group:** Dave Martinez, PM, Nathan Carter, Marty Toth **July 2017:** Dave Martinez presented the attached interpretation. A motion was made and unanimously approved to move this to the SC Repairs and Alterations Committee for consideration. |

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| **Item Number: 17-141** | **NBIC Location: Part 3, 5.7.2** | **Attachment Page 6** |
| **General Description:** Waive repair nameplate in certain circumstances |
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| **Subgroup:** Repairs and Alterations**Task Group:** Ben Schaefer PM, R Troutt, Jamie Walker**July 2017:** Bob Trout presented the attached interpretationto the committee.After review and discussiona motion was made and unanimously approved to move this to the SC Repairs and Alterations Committee for consideration. |

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| **Item Number: 17-142** | **NBIC Location: Part 3** | **No Attachment**  |
| **General Description:** Is the installation of a welded flush patch in an ASME Section VIII, Div. 1 pressure vessel seamless head classified as a repair? |
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| **Subgroup:** Repairs and Alterations**Task Group:** Bill Vallance PM**July 2017:** Mr. Vallance indicated the submitter has asked this item be closed.A motion was made and unanimously approved to close this item with no further action.  |

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| **Item Number: 17-146** | **NBIC Location: Part 3, 1.5.1** | **Attachment Page 7** |
| **General Description:** Welder continuity records during joint review |
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| **Subgroup:** Repairs and Alterations**Task Group:** Gary Scribner PM, Jim Pillow**July 2017:** Mr. Pillow presentedthe attachment was presented to the committee. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: 17-0201** | **NBIC Location: Part 3**  | **No Attachment**  |
| **General Description:** Blind Flanges and Code Repair Boundary—(Interp.) |
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| **Subgroup:** Repairs and Alterations**Task Group:** Jamie Walker**July 2017:** After the committee took this interpretation into considerationA motion was made and unanimously approved to close this item with no further action. |

1. **Action Items – Old Business**

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| **Item Number: NB16-0303** | **NBIC Location: Part 3** |  **Attachment Page 8** |
| **General Description:** Fillet welded patches |
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| **Subgroup:** Repairs and Alterations**Task Group:** Brian Boseo PM, J. Walker**July 2017**: Brian Boseo presented this item to the committee and after consideration a motion was made and unanimously approved to send this out to the SG Repairs and Alteration for a review and comment ballot.  |

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| **Item Number: NB16-0503** | **NBIC Location: Part 3, S2.13.13.4** | **No Attachment** |
| **General Description:** Add types of rivet heads |
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| **Subgroup:** Historical**Task Group:** Joel Amato PM**July 2017:** Joel Amato gave a progress report on this item. |

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| **Item Number: NB16-0504** | **NBIC Location: Part 3, Section 2** | **No Attachment** |
| **General Description:** Ensure SWPS reference table is up-to-date |
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| **Subgroup:** Repairs and Alterations**Task Group:** J. Sekely**July 2017**: Mr. Sekely indicated the 2017 SWPS’s are up to date as published in NBIC Part 3 and this item can be closed. A motion was made and unanimously approved to close this item with no further action.  |

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| **Item Number: NB16-0608** | **NBIC Location: Part 3, 1.8.2** | **No Attachment** |
| **General Description:** Address Nuclear QA program requirements for owner and certificate holder |
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| **Subgroup:** Repairs and Alterations**Task Group:** NR Task Group.**July 2017**: Paul Edwards gave a progress report on this item. |

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| **Item Number: NB16-0609** | **NBIC Location: Part 3, 1.8.7 and 1.8.8** | **No Attachment** |
| **General Description:** Add requirements from 1.8.6 l) 2) for Category 2 and 3 for accreditation of sub contracted calibration and testing activities |
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| **Subgroup:** Repairs and Alterations**Task Group:** NR Task Group**July 2017**: Paul Edwards gave a progress report on this item that is related to sub contract services. |

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| **Item Number: NB16-0810** | **NBIC Location: Part 3, 3.4.3 e)** | **No Attachment**  |
| **General Description:** Add additional example of alteration relating to burners |
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| **Subgroup:** Repairs and Alterations**Task Group:** G. Scribner PM, Mike Webb**July 2017**: A progress report was given for this item indicating Mike Webb should have a proposal at the next committee meeting. |

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| **Item Number: NB16-1502** | **NBIC Location: Part 3** | **No Attachment** |
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| **General Description:** Develop supplement for repairs and alterations based on international construction standards |
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| **Subgroup:** SG Repairs and Alterations**Task Group:** International Repair Supplement Task Group**July 2017**: George Galanes gave a progress report on this item. |

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| **Item Number: NB16-2001** | **NBIC Location: Part 3, 1.6.1 c)** | **Attachment Pages 9-10** |
| **General Description:** Update language about record maintenance in Table 1.6.1 c) |
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| **Subgroup:** Repairs and Alterations**Task Group:** J. Pillow (PM)**July 2017**: J. Pillow presented the proposed revision to 1.6.1 table. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: NB16-2602** | **NBIC Location: Part 3, Section 9** | **No Attachment** |
| **General Description:** Add definitions for practicable and impracticable to glossary |
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| **Subgroup:** Repairs and Alterations**Task Group:** R. Underwood**July 2017**: R. Underwood gave a progress report for this item. An interpretation was opened up # 17-158 to address the practicable issue before the 2019 code will be published.  |

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| **Item Number: NB16-2603** | **NBIC Location: Part 3, Section 4** | **Attachment Pages 11-13** |
| **General Description:** Change the maximum test pressure requirement when performing liquid pressure tests of repair activities. |
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| **Subgroup:** Repairs and Alterations**Task Group:** Bob Underwood, PM**July 2017**: Mr. Underwood presented the document for committee’s review. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration.  |

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| **Item Number: NB16-2901** | **NBIC Location: Part 3, Sections 1 and 3** | **No Attachment**  |
| **General Description:** Result of PR16-0201, add additional requirements related to mechanical repairs |
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| **Subgroup:** Repairs and Alterations**Task Group:** R. Valdez**July 2017:** The attachment was reviewed by the committee and it is asked that a letter be sent to the submitter with the attachment committee language. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration of closing this item with no further action.  |

1. **Action Items – New Business**

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| **Item Number: 17-114** |  **NBIC Location: Part 3, 2.5.3.6**  | **No Attachment** |
| **General Description:** Controlled fill technique for Grade 91 steel |
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| **Subgroup:** Repairs and Alterations**Task Group:** George Galanes, PM**July 2017**: Mr. Galanes has asked NB staff to send a letter to the submitter asking him if the new Part 3 supplement 8 controlled fill technique procedural language would satisfy his action item. Progress Report given. |

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| **Item Number: 17-134** | **NBIC Location: Part 3, Section 5** | **No Attachment** |
| **General Description:** Proposed Revision for registration of Form R-1 with the National Board containing ASME pressure part data reports attached. |
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| **Subgroup:** Repairs and Alterations**Task Group:** Mr. Paul Shanks PM, Kathy Moore, Paul Edwards, Rob Troutt**July 2017:** A progress report was given by R. Troutt. |

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| **Item Number: 17-139** | **NBIC Location: Part 3, 2.2.3** | **Attachment Pages 14-17**  |
| **General Description:** Performance qualification by independent qualifier |
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| **Subgroup:** Repairs and Alterations**Task Group:** Jim Pillow**July 2017**: Jim Pillow presented the item and after committee review. A motion was made and unanimously approved to send this out for a review and comment ballot.  |

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| **Item Number: 17-150** | **NBIC Location: Part 3, 3.4.1, 4.4.2** | **Attachment Page 18** |
| **General Description:** Waived Press Test & remarks on R-2 |
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| **Subgroup:** Repairs and Alterations**Task Group:** G. Scribner PM**July 2017**: The item document was submitted by Mr. Scribner. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: 17-151** | **NBIC Location: Part 3, 2.5.3.6** | **Attachment Page 19** |
| **General Description:** Weld Method 6, Welding Processes  |
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| **Subgroup:** Repairs and Alterations**Task Group:** George Galanes PM**July 2017:** Mr. Galanes presented the attachment for consideration. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: 17-152** | **NBIC Location: Part 3, Weld Meth. 2&4** | **Attachment Pages 20-22** |
| **General Description:** Full “T”, Weld Methods 2&4 |
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| **Subgroup:** Repairs and Alterations**Task Group:** George Galanes**July 2017:** Mr. Galanes presented the attachment for consideration. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: NB17- 0702** | **NBIC Location: Part 3 1.6.7.2 n)2)** | **Attachment Page 23** |
| **General Description:** NDE Reports |
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| **Subgroup:** Repairs and Alterations**Task Group:** NRTG**July 2017:** Mr. Paul Edwards presented the attachment for consideration. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: 17-154** | **NBIC Location: Part 3, 1.6…** | **Attachment Page 24**  |
| **General Description:** Audits |
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| **Subgroup:** Repairs and Alterations**Task Group:** NRTG**July 2017:** Mr. Paul Edwards presented the attachment for consideration. A motion was made and unanimously approved to move this onto the SC Repairs and Alterations for consideration. |

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| **Item Number: 17-0201** | **NBIC Location: Part 3** | **No Attachment** |
| **General Description:** Blind Flanges and Code Repair Boundary—(Interpretation)  |
|  |
| **Subgroup:** Repairs and Alterations**Task Group:** R Troutt, PM, Marty Toth**July 2017:** After review and discussions A motion was made and unanimously approved to close this item with no further action. |

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| **Item Number: 17-158**  | **NBIC Location: Part 3 Practicable** | **Attachment Pages 25-26** |
| **General Description:** Determining Practicable (Interp.) |
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| **Subgroup:** Repairs and Alterations**Task Group:** R Underwood, PM**July 2017:** R Underwood presented the interpretation for what is practical**.** A motion was made and approved with one not voting and one abstention to move this onto the SC Repairs and Alterations. |

1. **Future Meetings**
* January 8th-11th, 2018 – New Orleans, Louisiana
* July 16th-19th, 2018 – Columbus, Ohio
1. **Adjournment at 3:30PM**

Respectfully submitted,

William Vallance

NBIC Part 3 Secretary