**CONFIRMED MINUTES**

**OCTOBER 19-22, 2015**

**PITTSBURGH, PENNSYLVANIA, USA**

**These minutes are not final until confirmed by the Task Group in writing or by vote at a subsequent meeting. Information herein does not constitute a communication or recommendation from the Task Group and shall not be considered as such by any agency.**

**MONDAY, 19-OCT-2015 to THURSDAY, 22-OCT-2015**

# OPENING COMMENTS - CLOSED

## Call to Order / Quorum Check

The Nondestructive Testing (NDT) Task Group was called to order at 8:01 am, 19-Oct-2015 by Dave Royce.

It was verified that only SUBSCRIBER MEMBERS were in attendance during the closed portion of the meeting.

A quorum was established with the following representatives in attendance:

***Subscriber Members/Participants Present (\* Indicates Voting Member)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | NAME |  | COMPANY NAME |  |
|  |  |  |  |  |
|   | Gary  | Adkins | Eaton, Aerospace Group |   |
| \* | Peter | Bartsch | Premium Aerotec |  |
| \* | Stephen | Bauer | Northrop Grumman Corporation |  |
|   | Justin  | Bearden | Triumph Group |   |
| \* | Philippe | Beck | Airbus Helicopters |  |
|   | John | Biddulph | Rolls-Royce  |  |
| \* | Mitch | Birzer | Gulfstream Aerospace |  |
| \* | Alain | Bouchet | SAFRAN Group |  |
| \* | Juergen  | Burchards | MTU Aero Engines AG |  |
|   | Jonathan  | Chung | UTC Aerospace (Goodrich ) |  |
| \* | Michael | Clark | Sikorsky Aircraft Corp. |  |
|   | David | Cohn | The Boeing Company |  |
|   | Jason | Cook | Textron Defense Systems |  |
| \* | Richard | Costantino | UTC Aerospace (Goodrich) |  |
| \* | Michael | Daehling | Textron Aviation |  |
| \* | Chris | Dootson | BAE Systems - MAI |  |
| \* | Steven | Garner | Eaton, Aerospace Group |  |
| \* | Frederic | Girard | Pratt & Whitney Canada |  |
| \* | Jim  | Graves | Rolls-Royce Corporation |  |
| \* | Harry | Hahn | GE Aviation |  |
| \* | Greg | Hall | Northrop Grumman Corporation |  |
|   | Yusuke | Hamada  | Mitsubishi Heavy Industries |  |
| \* | Edward | Hohman | Bell Helicopter Textron Inc. |  |
| \* | Yoshiharu | Kuze | Mitsubishi Heavy Industries Ltd. |  |
| \* | Marc-André  | Lefebvre | Heroux-Devtek, Inc. |  |
|   | Jill | Lewis | Parker Aerospace |   |
|   | Fred | Lutz | Spirit AeroSystems |   |
|   | Giacomo | Maione | Alenia Aermacchi S.p.A. |   |
| \* | Steve | McCool | Honeywell Aerospace | Secretary |
|   | Neil | Metcalfe | GKN Aerospace |   |
| \* | Dale | Norwood | Parker Aerospace Stratoflex Products Div |  |
| \* | Scott | O'Connor | Honeywell Aerospace |  |
| \* | Gary  | O'Neill | Parker Aerospace Gas Turbine Fuel System Div |  |
| \* | Justin  | Payne | Cessna Aircraft Company |  |
|   | Vittoria | Pianese | Alenia Aermacchi S.p.A. |  |
| \* | Robert | Rainone | UTC Aerospace (Goodrich) |  |
|   | Sergio | Rivas | Parker Hannifin |   |
| \* | David | Royce | Pratt & Whitney | Chairperson |
| \* | Kurt  | Ruoff | General Dynamics Corp. |  |
| \* | Bobby | Scott | Bombardier Inc. |  |
|   | Xiccohang "Mike" | Song | Sikorsky Aircraft Corp. |  |
| \* | Chris | Stevenson | Rolls-Royce  |  |
| \* | Walter | Tonizzo | Heroux-Devtek, Inc. |  |
| \* | Peter | Torelli | The Boeing Company |  |
| \* | Tony | Warren | Airbus | Vice Chairperson |
|   | Scott | Wegener | Rockwell Collins |   |
| \* | Sean | Wood | Triumph Group  |  |
|   | Gregory | Wryk | UTC Aerospace (Goodrich) |   |

***Other Members/Participants Present (\* Indicates Voting Member)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | NAME |  | COMPANY NAME |  |
|  |  |  |  |  |
|   | James  | Ahlemeyer | Ducommun Aerostructures NY |  |
| \* | Mark  | Airey | Robert Stuart Ltd. |  |
|   | Jesse | Alberto | Connecticut Tool & Manufacturing LLC |  |
| \* | Christopher | Andersen | PCC Structurals |  |
|   | Vincent  | Antonpillai | Lisi Aerospace Canada |  |
|   | Leandro | Aparicio | Advanced Coating Technique |  |
| \* | Michael  | Ashton | Hexcel Kent |  |
| \* | Andy  | Bakewell | E. M. Inspection Co. Ltd. |  |
|   | Lawerence | Baldelli | Met-L-Test Laboratory |  |
| \* | Shawn | Ballou | Wyman Gordon |  |
| \* | Doug | Barra | X-Ray Industries |  |
|   | David  | Beard | PCC Airfoils LLC |  |
|   | Marc | Breit | RIL-CHEMIE |  |
|   | Cathy | Daly | Alcoa Howmet Winsted Machining |  |
| \* | Douglas | Davies | Alcoa Fastening Systems |  |
|   | Sharon | Davis | Northeast Testing & Mfg, LLC. |  |
|   | John | Edwards | Edwards Services |  |
|   | Sheldon | Emmanuel | DCI Aerotech |  |
|   | Brad | Gallion | Chromalloy |  |
|   | Nathan | Gangloff | RBC Aircraft Products Inc |  |
| \* | Richard | Gasset | Lisi Aerospace |  |
|   | David | Geis | Magnaflux |  |
|   | Susan  | Generalovich | Solar Atmospheres of Western PA |  |
| \* | David | Gray | Mitchell Labs |  |
|   | Michael J.  | Guthmiller | Applied Aerospace Structures Corp. |  |
|   | Bob | Henchar | X-R-I Testing  |  |
|   | Don  | Horzewski | Ladish Co, Inc. |  |
|   | Gene | Hubbard | RBC Aircraft Products Inc. |  |
|   | Steve | Hutchinson | Braddock Metallurgical |  |
|   | Tiffani | Ivins | Acuren |  |
|   | Christopher | Joy | Orbit Industries Inc. |  |
|   | Kevin | Kalidonis | Allegheny Ludlum LLC d/b/a/ ATI Flat Rolled Products |  |
| \* | Richard  | King | New Hampshire Ball Bearings |  |
|   | Phillip | Knox | Triumph Aerostructures |  |
|   | Michael | Kowatch | Product Evaluation Systems |  |
|   | Kris | Krishnamoorshy | Applus RTD Canada LP |  |
|   | Superemaneyam | Kuppusamy | Upeca Aerotech Sdn.Bhd |  |
|   | Yanick | Lavallee | RTI Claro Inc. |  |
|   | Shelly | Lawless | Meyer Tool, Inc. |  |
|   | Angela | Leone | LORD Corp. |  |
|   | Lionel | Lesieur | Alcoa Howmet Normandy Castings |  |
|   | Grant | Lilley | Meyer Tool, Inc. |  |
|   | Brian | Loucsoy | Carpenter Technology |  |
|   | Bill  | Lunde | Meteor Corp |  |
|   | Jim  | MacMillan | ATS |  |
| \* | D.E. "Skip"  | McDougall | Hitco Carbon Composites |  |
| \* | Zachary | Medeiros | Timken Aerospace |  |
| \* | Dave  | Mitchell | Composite Inspection Solutions |  |
|   | Juan | Moreno | Omni Metal Finishing |  |
| \* | Julie | Nguyen | Element Materials Technologies |  |
| \* | Blair | O'Connell | Precision Castparts Corp. |  |
|   | Larry  | Olsen | Valley Metals |  |
|   | Brynn-Marie | O'Neill | Ellison Surface Technologies |  |
|   | Stefano | Pasquino | Bytest |  |
|   | John | Peterson | Wolkerstorfer Co. Inc. |  |
| \* | Curt | Powell | PCC Structurals |  |
| \* | Steve | Radelich | Jorgensen Forge |  |
|   | Chris | Reed | Ducommun AeroStructures |  |
|   | Catherine | Renfer | Consolidated Precision Products |  |
|   | Ken  | Rettger | LORD Corp. |  |
|   | Robert | Rich  | SPS Technologies |  |
|   | Kevin | Rodriguez | Castle Industries of California |  |
| \* | Cindy  | Roth | Team Industrial Services |  |
|   | Mark  | Rumsey | Carpenter Technology |  |
| \* | Frank  | Saenz | Hi-Tech Metal Finishing |  |
|   | Agostino | Sardo | Bytest s.r.l. |  |
|   | John | Scheuermann | Yankee Casting |  |
|   | Carl | Schulz | Scot Forge |  |
|   | Parvinder | Sidhu | Northstar Aerospace Canada LTD Milton |  |
|   | Mark  | Sievert | Triumph Thermal Systems |  |
|   | Harold | Slaterpryce | PCC Airfoils, LLC |  |
| \* | Bernd | Spelsberg | Otto Fuchs KG |  |
| \* | Michael D.  | Steele | Northstar Aerospace Chicago Inc. |  |
|   | Jackie  | Sternot | PAKO, Inc. |  |
|   | Dawn | Stokes | PTI Industries Inc. |  |
| \* | Gary  | White | Orbit Industries Inc. |  |
|   | Rusty | White | Haynes Intl. |  |
|   | David  | Wilk | Semiray Special Process |  |
|   | Brian | Yetman | Hi-Tech Metal Finishing |  |
|   | Rob | Yocom | Imagineering Finishing Tech. |  |
|   | Brian | Zentis | LORD Corp. |  |

***PRI Staff Present***

|  |  |
| --- | --- |
| Mark | Aubele |
| Mike | Gutridge |
| Dave  | Marcyjanik |
| Michael | Ploucha |
| Cathy  | Rush |
| Kellie | Roach |

## Safety Information

## Reviewed Code of Ethics (Ref: Attendees’ Guide) and Meeting Conduct

Dave Royce recognized Bobby Scott for all of his efforts and accomplishments as past chair of NDT Task Group.

## The Antitrust Video was presented (only at the first open and first closed meeting of the week for each Task Group)

## The Agenda was reviewed.

## Acceptance of Meeting Minutes – OPEN

The minutes from June 2015 NDT Task Group meeting in Montreal, Canada were approved as written.

Motion made by Alain Bouchet and seconded by Scott Wegener to approve acceptance of meeting minutes from June 2015 Montreal Meeting. Motion Passed.

## RAIL Review – OPEN

The Rolling Action Item List (RAIL) was reviewed.

For specific details, please see the current NDT Rolling Action Item List posted at [www.eAuditNet.com](http://www.eAuditNet.com), under Public Documents.

# REVIEW DELEGATION STATUS – CLOSED

Dave Marcyjanik reviewed the delegation statistics of the following NDT Staff Engineers:

Mark Aubele

Jim Bennett

Phil Ford

P. Michael Gutridge

Dave Marcyjanik

Andy Statham

Motion made by Pete Torelli and seconded by Alain Bouchet to approve continued delegation to NDT Staff Engineers. Motion Passed.

# TASK GROUP REGULAR BUSINESS ITEMS – CLOSED

Dave Marcyjanik reported on the status of regular business items.

# NEW BUSINESS– CLOSED

Dave Marcyjanik discussed the following new business items:

160226 Failure Ballot: Closes 22-OCT-2015 Mike Gutridge requested activity from subscribers.

160278 Failure Ballot: Submitted to failure for cycles. Mike Gutridge discussed and asked for subscriber action. The Failure Ballot ends 22-OCT-2015. A discussion took place as to whether this Supplier has design authority of product. Dave Royce suggested that staff go back to the Supplier to confirm if product is manufactured to prime requirements or by Supplier design. Mike Gutridge suggested that subscribers go back into the Failure Ballot and describe what actions they expect from this Supplier.

162926/151891 regarding Task Group Resolution of NCR #1: A Supplier concern was discussed regarding that this is not a nonsustaining NCR. This Supplier wants the nonsustaining to be removed and this finding to be downgraded to a minor. An NDT Task Group resolution discussion ensued in which members posted their disposition in the audits.

Alain Bouchet asked about status of the Risk Mitigation process. Mike Gutridge suggested that it will be taken back by Staff Engineers instead of having Subscribers be solely responsible for these audits. A proposal will be made by the Nadcap Management Council (NMC) and procedure OP1110 will be revised accordingly once feedback is received from all NMC members.

Dave Marcyjanik discussed Digital Radiography (DDA) and Computed Radiography (CR) training update for auditors. It was noted that a DDA/CR training was currently in-progress this week at PRI Headquarters and being instructed by Phil Ford.

Mike Gutridge detailed the review of all Auditor Advisories by PRI Staff to confirm validity. Many were cancelled as they had been incorporated into the new revisions of the audit checklists.

NDT Auditor Advisory 10-06 was discussed and deferred to the AC7114/3 (UT) method team for review and consideration. The AC7114/3 method team will report out on their findings and discussions.

***ACTION ITEM: The AC7114/3 Method team is actioned to review the advisory to determine if it is still applicable. (Due Date: 31-JAN-2016)***

NDT Auditor Advisory 10-05 was discussed. Most of the issues have been incorporated into the audit checklists. Needed confirmation from Task Group that it is acceptable to cancel.

Motion made by Ed Hohman and seconded by Scott Wegener to cancel NDT Auditor Advisory 10-05. Motion Passed.

***ACTION ITEM: PRI to cancel NDT Auditor Advisory 10-05. (Due Date: 31-DEC-2015)***

NDT Auditor Advisory 13-10 was discussed. This has been resolved by revision of the Subscriber supplemental checklist questions.

Motion made by Steve McCool and seconded by Sean Wood to cancel NDT Auditor Advisory 13-10. Motion Passed.

***ACTION ITEM: PRI to cancel advisory NDT Auditor Advisory 13-10. (Due Date: 31-DEC-2015)***

Mike Gutridge asked how far can auditor/suppliers go back for archived and current paperwork for compliance jobs, and if twenty four months is still an acceptable length of time to review archived documents.

Motion made by Alain Bouchet and seconded by Dale Norwood to approve the review time for compliance job documentation to remain at two years (24 months) and to issue an auditor advisory for clarification. Motion Passed.

***ACTION ITEM: PRI to issue an Auditor Advisory indicating that archived compliance job documentation do not need to be reviewed further than 2 years prior. (Due Date: 31-DEC-2015)***

***ACTION ITEM: PRI to add to DCS a CAG for all checklists indicating that archived compliance jobs documentation do not need to be reviewed further than 2 years prior. (Due Date: 31-DEC-2015)***

Tony Warren brought up discussion of availability of mercury vapor bulbs for UV black lights. As of May 2016 mercury vapor bulbs for UV black lights cannot be imported into Europe. The Task Group was instructed to urgently work on this issue of LED lights to be ready prior to May 2016. The Task Group will discuss this issue in more detail within the ad hoc portion during this meeting.

Tony Warren discussed the NANDTB board exams. Which NANDTB exams the NDT auditors need to look at needs to be clearly understood and explained. This is still not completely resolved based upon issuance of NAS410, Rev. 4. This topic still requires further review and clarification; however no action is needed by the Task Group at this time.

John Biddulph discussed how NANDTB’s satisfy EASA Part 145 regulation but need to satisfy the requirements of prEN4179 Edition P5 and NAS 410 revision 4. NANDTB’s who are members of ANDTBF should comply with ANDTBF/08. A discussion ensued on how this is demonstrated and verified. Additionally how it can be monitored/audited.

Motion made by Bobby Scott and seconded by Jim Graves to bring this discussion forward to NMC for review and consideration for the potential of setting up a program of auditing and/or monitoring the examination process for NANDTB’s. Motion Passed. 5 Abstention votes.

***ACTION ITEM: PRI to forward to NMC a potential program to audit / monitor the examination process for NANDTBs. (Due Date: 31-DEC-2015)***

A request from a Supplier to extend their accreditation of audit 158279 was presented to the Task Group for a 90 day period while they close that facility and transfer all equipment to the new facility that also has a current accreditation.

Motion made by Alain Bouchet and seconded by Mike Clark to approve the requested 90 day extension to audit that will allow the Supplier the time requested to move parts. Motion Passed.

***ACTION ITEM: PRI to extend the accreditation date of Supplier’s audit in question to 31-JAN-2016. (Due Date: 31-OCT-2015)***

# REVIEW MEMBERSHIP STATUS – CLOSED

Dave Marcyjanik presented an update on subscriber membership status, and the audit report reviewer status requirement in OP 1114. The NDT Appendix wasrevised to remove the requirement for 5 audit packages per review period.

Antonio Ciliberto (Alenia Aermacchia) has been replaced by Giacomo Maione as the new Subsciber Voting Member and Vittoria Pianese as Alternate Subscriber Voting Member.

The following individuals have been notified as a courtesy that they are at risk of being removed as a voting member status; Chris Dootson, Pete Torelli, Harry Hahn, Hideki Nakama, Juergen Burchards, Chris Stevenson.

Motion made by Sean Wood and seconded by Justin Payne to approve Scott Wegener, Giacomo Maione and Vittoria Pianese as Subscriber Voting Members. Motion Passed.

***ACTION ITEM: PRI to make necessary changes to NDT Subscriber Voting Members list and the Attendees’ Guide. (Due Date: 30-NOV-2015)***

# AUDITOR CONFERENCE OVERVIEW – CLOSED/OPEN

Dave Marcyjanik presented the results of the 2015 Auditor Conference. Forty-five (45) auditors attended the weekend training session. This was supported by 12 subscribers on Sunday, in which face-to-face interviews were conducted with selected auditors. Reviewed auditor conference overview in the open session.

# Supplier Symposium (Part 1) – Registration Requested – OPEN

Dave Royce presented AC7108/2 Rev F in regards to specific changes changes to personnel qualification, examination, training and number of job audit required. The new checklist is effective for audits starting on or after 03-JAN-2016.

John Biddulph presented prEN4179 Edition P5 and an NANDTB overview.

# Supplier Symposium (Part 2) – Registration Requested – OPEN

Mike Gutridge presented AC7114 Rev I. This checklist revision reflects the changes to NAS 410 (Revision 4). The revised audit checklist will be effective for all audits starting on or after 31-JAN-2016.

# OP 1117 AUDITOR CONSISTENCY – CLOSED

Mike Gutridge reviewed the following specific data in regards to auditor consistency:

Milestone Plan

Redline Auditor Report

Auditor Observations

Observer training requirements for Subscribers who send observers who are not members of the Task Group or NMC

Face to face interviews were conducted with 8 selected auditors

Bobby Scott raised the question of what the Task Group is going to do with repeat auditors on redline list that do not show improvement over time. The Task Group’s decision is to have the Auditor Consistency Team prepare a letter as a written warning to the repeat offenders defining expectations of improvement including milestones that must be met

***ACTION ITEM: The Auditor Consistency Team to generate a letter to all repeat, red-line auditors asking them to respond with what actions they are undertaking to address the issues. (Due Date: 31-DEC-2015)***

# PRI Report / RAIL / NMC Metrics – OPEN

Mike Gutridge presented the PRI Staff Report on following items:

Auditor Staffing

eAuditNet 2.0 – Updates to eAuditNet

Data Collection

Health of Program –Metrics

Audit Review Cycle Times

Staff Delegation

Top 5 NCR’s

NDT Newsletter

Auditor Advisories

NDT RAIL

An issue was raised by Dave Gray that he is struggling with second/third tier customers not flowing down adequate “end customer” requirements. This has been deferred to Gary White to take to the Supplier Support Committee (SSC) contract flow down team for follow up.

# Clarification Data Base – OPEN

Andy Bakewell reviewed the Clarification Database (CDB). The Clarification Database can be found in eAuditNet under Resources – Documents – Public Documents – Nondestructive Testing. It is available for review by all that have access to eAuditNet.

# Supplier Report & Discussion – OPEN

Gary White presented the Supplier Support Committee (SSC) update.

# Technical Issues and Open Discussion ITEMS - OPEN

Dave Mitchell discussed the Clarification Database for AC7114/1, Item 41 “Can the TAM Panel image be displayed on a computer monitor.” Original disposition on the Clarification Database was “NO”. The Task Group is now considering adding a change to the Document Change Spreadsheet (DCS) for consideration to allow a digital image to be used, as well as a photo.

Motion made by Andy Bakewell and seconded by Dave Mitchell to add to the DCS the proposed revision of AC7114/1 paragraph 5.9.3 by changing verbiage to allow digital images or paper photos to be used. Motion Passed. 4 Abstentions.

***ACTION ITEM: Andy Bakewell to revise the CDB to indicate allowance of digital images. (Due Date: 31-NOV-2015)***

***ACTION ITEM: Dave Mitchell to provide a verbiage to be added to the DCS for AC7114/1, par. 5.9.3, regarding use of digital images. (Due Date: 31-DEC-2015)***

Mike Gutridge brought up the issue of the time between drying and the application of developer for penetrant inspection. Pete Torelli said that the AC7114/1 (PT) Method team will discuss the time elapsed between drying and application of developer during method team breakout.

Tony Warren asked if it is required to further evaluate all indications if they are deemed acceptable prior to any wipe-off evaluation. It was agreed that if the indications were deemed non-relevant, no further evaluation is required.

Doug Davies raised a concern on the availability of TAM panels and the effectiveness of the panel. Further discussion indicated that some Subscribers are evaluating other tools to replace the TAM panel.

Based on a comment from the NMC on affirmation ballots, Andy Bakewell asked if “or before use” is understood as used on the current AC7114 series checklists. He asked if this phrase is being applied correctly. As this has been standard verbiage since the inception of the baseline AC7114 checklist and there have not been any major issues, no action is required.

Tony Warren discussed the issue regarding the European Union (EU) stopping the importing of mercury vapor bulbs as of May 2016. An emphasis needs to be placed on the establishment of controls for LED UV lights. Currently only one Subscriber (GE Aviation) is known not to allow the use of LED UV lights.

Chris Anderson, PCC Structurals, indicated that he has been authorized to present a Metals Afforability Inititiative (MAI) presentation regarding non-film radiography. This item of discussion will be included in the February 2016 Task Group meeting agenda.

***ACTION ITEM: PRI to include Metals Afforability Inititiative (MAI) presentation by Chris Anderson on the February 2016 Nadcap NDT agenda. (Due Date: 13-NOV-2015)***

Alain Bouchet began a discussion on calibration in checklist AC7114/1 question 5.13.2 about the confirmation of agreement of calibration requirements for bonding. Since it is acceptable to take a unit out of service and bonded once it has expired, Alain has requested that the question be revised to clarify the equipment that has been taken out of service does not need to be calibrated immediately. Alain Bouchet proposed that a change to this checklist question should be added to the DCS to be added to all method checklists. After further discussion, Task Group agreed that auditor training would be the accepted path and an addition made to the Clarification Database would suffice this confirmation.

***ACTION ITEM: Alain Bouchet to provide proposed verbiage for the CDB regarding calibration requirements for bonding. (Due Date: 31-DEC-2015)***

# Report Out on the Planning & Operations MEETING - OPEN

Mike Gutridge reported out on the activities of the Planning and Ops meeting.

# SSC Report Out on the SSC Meeting – OPEN

Gary White reported out on the SSC meeting held 20-OCT-2015.

It was noted that Dale Harmon has been elevated to Chair of the SSC Committee.

Nadcap Technical Symposiums are ongoing.

It has been proposed to NMC to not limit the number of Supplier Voting Members in Task Groups.

Gary reminded supplier to please take advantage of the free training and sponsored events offered by SSC. The SSC is requesting feedback from suppliers for recommendations for further events.

# Nadcap and NDT Procedure Review –OPEN

Dave Marcyjanik presented a Nadcap Procedure Overview.

Scott Wegener questioned why Risk Mitigation (OP1110) was being moved back into the Staff Engineer’s responsibility. Victor Schonberger and Mike Gutridge responded that it is a resource issue and it adds consistency to the process.

# Method Sub-Team – Breakout Sessions – OPEN

Dave Marcyjanik described and presented the method sub teams and actions they are currently working.

# Method Team – Report Out – OPEN

Dave Royce has stepped down from Chair of AC7114/4 Method Team. Steve Garner has stepped up to fill that spot in the Method Team.

It is to be noted that only the Radiography (RT), Penetrant (PT), and Ultrasonic (UT) Method Teams met during the breakout session.

## The Penetrant (PT) Method Team gave a report out of their discussion during the breakout session. Topics included:

Proposed to add “NA” (Not Applicable) to AC7114/1 paragraphs 5.9.1 & 5.9.2 to make questions “NA” and adjust Compliance Assessment Guidance (CAG) to address.  After discussion it was not agreed by Task Group.

Additionally, request to delete “NA” and note as it is felt from a separate group of BAE, Airbus, Eurocopter, Rolls Royce, Bombardier, SAFRAN and Pratt & Whitney, that this is a requirement and NA should not be allowed for Method C.

Motion made by Andy Bakewell and seconded by Jim Graves to approve the deletion of the note. Motion Passed.

***ACTION ITEM: Andy Bakewell to provide verbiage for DCS regarding AC7114/1, par. 5.9.2, removing “Note” below the CAG. (Due Date: 31-DEC-2015)***

NiCr panel usage AC7114/1 Paragraph 5.9.1 can only ½ panel be used for degradation checks. The method team’s determination is that the NiCr cannot be used with a photo due to the fact that degradation is not quantifiable. Currently the checklist has an NA for degradation. The decision is to table this item and send to back to method team for further investigation.

***ACTION ITEM: The PT Method Team to review degradation checks and provide guidance for potential checklist revision or clarification. (Due Date: 31-JAN-2016)***

Oven calibration, par. 5.12.6. Ovens must be calibrated when operating. A proposal to add clarification to CAG as follows: “During this check, the expectation of the Task Group is that this is done by temperature measurement while the dryer is in operation. Voltage input measurements alone are not adequate for this check.” If the indicator is to be calibrated at one point, then that point shall be the point of use for that dryer. If multiple points are used, then they shall encompass the range of use for that dryer. Example: The dryer should not be calibrated at 130°F (54°C), 140°F (60°C) and 150°F (66°C) and then used at 160°F (71°C).”

Motion made by Andy Bakewell and seconded by Pete Torelli to add a statement of clarification to the CAG. Motion carried.

***ACTION ITEM: Pete Torelli to provide verbiage for DCS regarding the CAG in question 5.12.6. (Due Date: 31-JAN-2016)***

The penetrant wash to developer application issue was discovered this year and engineering requirement from Subscribers was requested. Rolls Royce has documents in release process. A statement indicating “In a continuous operation…” to control this issue was proposed. Eaton is also revising their engineering requirement. No action can be taken as it is not a current Subscriber requirement. This will be added to the AC7114/1 Method Team RAIL. Actionable to be reviewed again at February 2016 Task Group meeting.

***ACTION ITEM: PRI to add to RAIL item for AC7114/1 Method Team discussion regarding penetrant wash to developer application. (Due Date: 31-JAN-2016)***

## The Radiography (RT) Method Team gave a report out of their discussion during the breakout session. Topics included:

Alain Bouchet asked what action shall be taken with the process control film once dedicated film batch is exhausted. It was discussed and agreed that a new baseline shall be established at that time. Clarification will be added to Clarification Database.

***ACTION ITEM: Andy Bakewell to add verbiage regarding process control film to the CDB. (Due Date: 31-NOV-2015)***

Chris Stephenson discussed the merger of the RT method teams for checklists AC7114/4, AC7114/6 & AC7114/8.

Motion made by Chris Stevenson and seconded by Steve Garner to combine the three method teams into one group and review periodically.

***ACTION ITEM: PRI to merge the*** ***AC7114/4, AC7114/6 & AC7114/8 method teams into one list. (Due Date: 31-NOV-2015)***

## The Magnetic Particle (MT) Method team did not meet during the breakout session, but a discussion was held on items currently on DCS with the whole Task Group. Topics included:

Jim Bennett had sent out an email to the Subscribers to gather information on items currently on the DCS.

AC7114/2 Paragraph 5.2.1 & AC7114/2 Paragraph 6.1.9. are currently waiting for results from Subscribers and will be tabled until responses are gathered and reviewed.

Andy Bakewell discussed another item from the DCS, the use of notched shims, regarding should coating be removed prior to usage. This item has been deferred to the February 2016 Task Group meeting for consideration. Also items on the DCS regarding AC7114/2 Paragraph 4.3.10 and 6.1.1. have been deferred to be discussed at the February 2016 Task Group meeting. These items will be sent back to the sub-team awaiting responses from Subscribers to Jim Bennett’s original email requesting feedback and information.

# New Business – OPEN

Dave Marcyjanik presented a Supplier Voting Membership status update, the following actions were taken:

Paul May – Orange Coast Testing will be removed as a Supplier Voting Member for missing 3 consecutive meetings.

Guy Saenz & Frank Saenz – Hi Tech will be removed as Supplier Voting Member for missing 2 consecutive ballots.

Motion made by Gary White and seconded by Justin Payne to approve Grant Lilley to become new Supplier Voting Member. Motion Passed.

Motion made by Gary White and seconded by Doug Davies to approve Stephano Pasquino to become new Supplier Voting Member. Motion Passed.

Motion made by Gary White and seconded by Rick Gasset to approve Augustino Sardo to become new alternate Supplier Voting Member. Motion Passed.

Motion made by Justin Payne and seconded by Rick Gasset to approve Nathan Gangloff to become new Supplier Voting Member. Motion Passed.

***ACTION ITEM: PRI to update the Supplier Voting Member list and Attendees’ Guide to reflect removal and additions of voting members. (Due Date: 30-NOV-2015)***

Mike Gutridge made a request to the Task Group to provide information to prepare a Nadcap NDT Newsletter. This newsletter needs a cross section from both Subscribers and Supplier members so it does not simply become a PRI newsletter.

Mike Gutridge asked the Task Group if there was any interest in adding another NAS410/AC7114 review at the February 2016 Task Group meeting as a symposium. The Task Group’s decision was to have another NAS410/AC7114 review to discuss changes to these documents as a symposium at the February 2016 Nadcap Meeting.

***ACTION ITEM: PRI to include a NAS410/AC7114 Supplier Symposium at the February 2016 Nadcap Meeting agenda. (Due Date: 13-NOV-2015)***

Alain Bouchet proposed revisions to the Compliance Job Tracker to help simplify and streamline the process. A discussion ensued around the actual value and expectation of the Compliance Job Tracker.

Andy Bakewell suggested that the supplier be allowed to stop entering the paper compliance jobs into the job tracker. This was not adopted as Subscribers still want to assure that a cross section of customers is reviewed either in-process or archived in regards to paper compliance jobs.

There was a discussion on electronic data simply transferred from checklist to job tracker. The NMC is currently reviewing job trackers for other commodities and will be reporting out on their findings at the February 2016 Nadcap meeting in Madrid, Spain. A suggestion was made to the NDT Task Group to leave the job tracker as is pending the presentation from NMC in February 2016. This suggestion was not adopted as it would take significant time for any NMC proposal to be implemented.

Motion made by Scott Wegener and seconded by Bobby Scott to implement the proposed revisions to the job tracker from Alain Bouchet. Motion Passed 3 Opposed and 3 abstentions.

***ACTION ITEM: PRI to upload a revised Compliance Job Tracker into eAuditNet and notify all supplier’s and auditors. PRI to add Zodiac, General Dynamics Gulfstream, and Premium Aerotech. (Due Date: 31-DEC-2015)***

A discussion on how to capture and transfer existing data into folder with new job tracker file was had with the Task Group. The recommendation was to copy current data into separate tab of revised job tracker. Protect that data so it cannot change, go forward using the new format. Alternately the supplier can simply re-enter existing data into the revised job tracker.

***ACTION ITEM: PRI to provide instructions on the various methods to maintain current data in revised job tracker format. (Due Date: 31-DEC-2015)***

Andy Bakewell to provide verbiage for AC7114 Para 8.2.2 for calibration certificate review clarification.

***ACTION ITEM: Andy Bakewell to provide verbiage regarding AC7114, par. 8.2.2, regarding calibration certificate review. (Due Date: 31-DEC-2015)***

Andy Bakewell recommended clarification in CAG for AC7114 question 5.3.11 for inclusion of questions in general exam for all methods per NAS410 change. Proposal to replace “other” with the word “common” in 3rd CAG bullet.

 ***ACTION ITEM: Andy Bakewell to provide verbiage regarding AC7114, par. 5.3.11, regarding CAG clarification that it is for the common methods as noted in NAS 410. (Due Date: 31-DEC-2015)***

Dave Gray requested to table the AC7114/3 resonance testing checklist questions. Agreed unanimously by Task Group.

# Ad Hoc Team Break Out – OPEN

Dave Marcyjanik presented the current ad-hoc teams, their actions, and instructions.

Motion made by Pete Torelli and seconded by Gary White to sunset the Etch Inspection Checklist Team. Motion Passed.

# Ad Hoc Team Report Out – OPEN

Only the UV LED Light and Penetrant Pre-Clean teams met during this meeting. These teams agreed to meet as a large group in lieu of breaking out in separate groups.

Harry Hahn discussed the status of Visual Inspection**.** It appears as though the Welding Task Group is the only commodity that has engineering requirements for this. Rolls Royce, Pratt & Whitney, and Honeywell stated that they have visual requirements being flowed down. Steve McCool and Jim Graves have volunteered to join the Visual Inspection ad hoc team. At this point the team will be meeting later this year and will provide updates at the February 2016 Task Group meeting.

***ACTION ITEM: PRI to update membership of the Visual Inspection ad hoc team to include Steve McCool and Jim Graves. (Due Date: 30-NOV-2015)***

Dave Marcyjanik discussed PT Preclean team update**.** This team is suggesting a potential Memorandum of Understanding (MOU) with Chemical Processing (CP) or at least add CP support to team as they are the experts in this process. Also the ad hoc team will revise the CAG with further recommendations to the auditor to clarify all expectations. Andy Bakewell added that this concern is much larger and that Subscribers should be concerned and address materials that are currently approved on the Qualified Products List (QPL). Dave Gray suggests that Subscribers with concerns regarding PT Preclean should add specific questions to supplemental audit criteria checklists. Jim Graves expressed that this is a significant issue and should be addressed by all Subscribers. Over temperature of cleaners and cleanliness or quality of rinse water is a major concern. There is more work to be done and additional team meetings will be scheduled for future dates.

The UV LED Light teams update and status was discussed. The current checklists only cover the current existing requirements. Proposed changes to AC7114 Paragraph 5.13.7 were reviewed. Discussion ensued on 10,000 uW/cm2 at 15” as most Subscribers require 5,000. The 10,000 requirement will need to be added to the supplemental checklist. Chris Stevenson’s question on sharp edges versus gradual diffusion of edge of lamps has not been discussed yet. Andy Bakewell commented on AC7114/2 Paragraph 13.8.1 and would like “each use” defined. Additionally, battery operated lights are to switch off automatically once they reach un-useable limits. Currently three Subscribers have submitted requirements with which to establish a baseline. Time is critical as mercury vapor bulbs will become harder to acquire and will be unavailable in Europe after June 2016. ASTM E2032 is only a manufactures requirement, not a process control requirement, however ASTM E 1444 and 1417 are allegedly being fast tracked to reference only the requirements of ASTM E2032. Concerns raised that all members of ad hoc were not invited to latest review of current proposal. Further discussions on what a supplier is going to expect to view on certificates of conformance. Ad hoc team is to try and expedite this process to have final proposal ready for review in Madrid. Dave Marcyjanik was requested to send a draft of checklist questions pertaining to the UV/LED lights to all team members.

***ACTION ITEM: Dave Marcyjanik to provide a draft of checklist questions pertaining to the UV/LED lights to all UV LED Light Ad Hoc team members. (Due Date: 30-DEC-2015)***

# Develop Agenda for February 2016 Nadcap MEETING - OPEN

It was requested that John Biddulph present the NANDTB presentation again in Madrid.

The Task Group has tentatively scheduled the NAS410/EN4179 changes and AC7114 checklist changes symposium to occur in Madrid again. PRI Staff is requesting volunteers from subscribing companies to present this material.

It was decided that the NDT Task Group would meet for 4 days with the meeting concluding Thursday (25-FEB-2016) afternoon. The time frame for the meetings will be expected to be conducted from 9:00 amUTC to 6:00 pmUTC.

It was noted that the NMC meeting will be held Thursday (25-FEB-2016) morning.

It was noted to move the Ad Hoc team discussions to occur earlier in in the agenda.

***ACTION ITEM: PRI to place the ad hoc teams earlier in the current meeting agenda so proposals from those sessions can be discussed. (Due Date: 13-NOV-2015)***

# RAIL & Clarification Database Review – OPEN

Dave Marcyjanik reviewed the DCS. Mike Gutridge added one more action item to the RAIL that was from SAFRAN.

All Action Items captured above have been added to the RAIL for review by PRI Staff.

Andy Bakewell reviewed the new items to be added to Clarification Database. These actions items are captured previously in these minutes.

Motion made by Andy Bakewell and seconded by Rick Gassett to add all items to the clarification database that were discussed. Motion Passed.

# Meeting Facilitation Feedback – OPEN

Doug Davies questioned if PRI was contracted to host all October Nadcap meetings at the William Omni Penn hotel in downtown Pittsburgh, Pennsylvania. Doug asked if other venues been evaluated for the Nadcap meetings. It was explained that PRI has signed a multi-year contract with William Omni Penn hotel in downtown Pittsburgh to cut costs and few hotels in the area have the capability to handle the quantity of meeting rooms and sleeping rooms needed for this event.

Andy Bakewell suggested that two NDT staff engineers should be present in the NDT meetings at all times. Agreed by the Task Group that this is a best practice.

Tony Warren pointed out that on Page 5 of the Attendees’ Guide, the date and location of next two Nadcap meetings.

**ADJOURNMENT** – 22-OCT-2015 – Meeting was adjourned at 11:49 am.

Minutes Prepared by: Steve McCool – steve.mccool@honeywell.com

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| \*\*\*\*\* For PRI Staff use only: \*\*\*\*\*\*Are procedural/form changes required based on changes/actions approved during this meeting? (select one)YES\* [x]  NO [ ] \*If yes, the following information is required: |
| Documents requiring revision: | Who is responsible: | Due date: |
| Clarification Database | Andy Bakewell / Andy Statham | 31 December 2015 |
| RAIL | Kellie Roach / Cathy Rush | 6 November 2015 |
| Document Change Spreadsheet | All | 31 January 2016 |
| NDT February Agenda | Mike Gutridge | 13 November 2015 |
| Job Tracker | Kellie Roach / Cathy Rush | 31 December 2015 |
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