**CONFIRMED MINUTES**

**OCTOBER 21, 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.**

**WEDNESDAY, OCTOBER 21, 2015**

# OPENING COMMENTS - open

## Call to Order / Quorum Check

The Non Metallic Materials Manufacturing (NMMM) and Non Metallic Materials Testing (NMMT) Task Groups (TG) was called to order at 8:00 a.m., 21-Oct-2015

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 |  |
|  |  |  |  |  |
| \* | Monica | Alcala | Honeywell Aerospace | Secretary |
| \* | Douglas | Armstrong | GE Aviation |  |
| \* | Randy | Armstrong | Raytheon Company |  |
|  | Marcus | Berry | 309th Maintenance Wing - Hill AFB |  |
| \* | Pam | Blevins | General Dynamics |  |
| \* | Tawny | Blumenshine | Cessna Aircraft Company |  |
|  | Jack | Browning | General Dynamics |  |
| \* | Tara | Campbell | Rolls-Royce | Vice Chairperson |
| \* | James | Cobb | Honeywell Aerospace |  |
|  | Christopher | Cowap | Triumph Group Inc. |  |
| \* | Adam | Dalesandro | The Boeing Company |  |
| \* | Kevin | Dowling | Spirit AeroSystems |  |
| \* | Patrick | Dunleavy | SAFRAN Group |  |
|  | Yves | Esquerre | Airbus |  |
| \* | Javier | Garcia-Baeza | Airbus |  |
|  | Laurent | Geerts | Sonaca |  |
| \* | Steve | Grunshaw | BAE Systems |  |
| \* | Evelyn | Jacobson | Pratt & Whitney |  |
| \* | John | Key | Bell Helicopter |  |
| \* | Ronald | Kramer | Gulfstream Aerospace |  |
| \* | Lance | Loeks | The Boeing Company |  |
| \* | Andreas | Mastorakis | GE Aviation |  |
| \* | Angelina | Mendoza | UTC Aerospace (Goodrich) |  |
| \* | Keith | Panuska | Lockheed Martin Corporation | Chairperson |
| \* | Richard | Perrett | GKN Aerospace |  |
|  | Jeremy | Phillips | Cessna Aircraft Company |  |
|  | Minh | Quan | Triumph Group Inc. |  |
| \* | Elliott | Schulte | Bell Helicopter |  |
|  | Kodaz | Shimono | Mitsubishi Heavy Industries |  |
|  | Jefferson | Silva | Embraer |  |
| \* | Mario | Simard | Bombardier Inc. |  |
|  | Xiaohang "Mike" | Song | Sikorsky Aircraft |  |
| \* | Sally | Spindor | Triumph Group Inc. |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | NAME |  | COMPANY NAME |  |
|  |  |  |  |  |
| \* | Natalia | Becerra Pozo | Exova |  |
| \* | Jay | Berndt | Toray Composites (America), Inc. |  |
|  | Gordon | Cameron | LMI Aerospace Everett - Merrill Creek |  |
|  | Hugh | Casper | MTS Systems Corporation |  |
|  | Dale | Collins | Hexcel Kent |  |
|  | Todd | Crawford | GKN Aerospace - St. Louis |  |
|  | Kenneth | Forest | Nor-Ral |  |
| \* | Luis | Guelbenzu De San Eustaquio | Applus Laboratories |  |
| \* | Mike | Guthmiller | Applied Aerospace Structures Corp. |  |
|  | Debra | Hagar | NORDAM Interiors and Structures |  |
|  | Lisa | Hill | Stelia Aerospace North America |  |
|  | Anita | Joseph | Toray Composites America Inc |  |
|  | Cory | Klohe | Cytec Aerospace Materials |  |
|  | Scott | Kronabetter | Micro-Tronics Inc. |  |
|  | Steven | Kyriakides | Toray Composites (America), Inc. |  |
|  | Tommie | Lakes | GKN Aerospace NA |  |
| \* | Sue | Lauer | GKN Aerospace |  |
|  | Brian | Lovejoy | Carpenter Technology Corporation |  |
| \* | Bryan | Loveless | Orbital ATK |  |
|  | Yusuke | Noguchi | Toray Industries, Inc. |  |
|  | Edward | O'Dougherty | DuPont |  |
|  | Michael | Poliski | Plascore Inc. |  |
| \* | Rick | Price | Park Electrochemical Corp. |  |
| \* | Karen | Quinn | Orbital ATK |  |
|  | Roy | Redmond | Hexcel |  |
|  | Vicente | Reyes | Albany Engineered Composites |  |
|  | Justin | Riebesel | Element Materials Technology |  |
|  | Jeffrey | Rossi | Westmoreland Mechanical Testing & Research, Inc. |  |
|  | James | Rossi | Westmoreland Mechanical Testing & Research, Inc. |  |
| \* | Steve | Schrameyer | Cytec Engineered Materials |  |
|  | Dave | Scott | Reinhold |  |
|  | Kevin | Snyder | Composites Horizons LLC |  |
| \* | Hovhannes | Soukiassian | Element Los Angeles |  |
|  | Howard | Spader | Instron |  |
|  | Rhonda | Sutter | Composiflex, Inc. |  |
| \* | Nancy E | Vancil | Toray Carbon Fibers America, Inc. |  |
|  | Jeff | Viney | Cincinnati Testing Laboratories |  |
|  | Jim | Warden | LGAI Technological Center S.A. |  |
|  | Jim | Weishampel | DuPont |  |
|  | Keith | Young | Reinhold Industries Inc |  |

***PRI Staff Present***

|  |  |
| --- | --- |
| John | Tibma |

## Reviewed Safety Information Reviewed

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

## Presented the Antitrust Video (only @ the first open and first closed meeting of the week for each Task Group)

## Reviewed Membership Status

## Approval of Previous Meeting Minutes–

## Andreas Mastorakis is listed as working for Honeywell, but he actually works for GE Aviation. Keith Panuska’s last name is misspelled.

## Motion made to approve the minutes from June 2015 with the previously mentioned corrections. Motion Passed.

## Reviewed Agenda

# Staff Report – OPEN



Recent Activities

Auditor Status

Audit Statistical Summary

Auditors Conference Report Out

Future Meeting Information

ACTION ITEM: PRI to correct NMMM Top NCR data in Staff Report before posting to eAuditNet. (Due Date: 31-Oct-2016)

# ASTM E1012 Annex A2 Grip Alignment Compensation Limits – OPEN



NMMT RAIL Item 71 Report Out

Natalia Becerra from Exova gave a presentation of the work done to date for this topic. The issue is that the ASTM E1012 allows correction factors for issues with the alignment bar and does not mention a maximum error/correction factor due to the bar being non-linear or bent. The Task Group would want a limit on the Alignment Bar and how much bending it contributes to the error of the alignment. Other issues are operator experience and consistency when positioning the alignment bar and machining quality of the bar. The alignment bar, when should it be replaced, would also need to be addressed.

The Sub-Team then tested a good alignment bar and one with a known defect. Therefore, the data for the good bar was not corrected, and the data for the bad bar was corrected with Annex 1 and Annex 2 correction factor.

So the proposal is to set a 5% limit for the variation of Percentage Bending (%PB) after applying corrections.

Faulty Strain Gage installation is a very minor contribution to the overall error of the alignment bar. Operator alignment is a much greater affect, and the Strain Gage Alignment would be much less than this, and no matter where the error is located, it is being proposed that it contribute a maximum of 5% from the alignment bar.

Next Steps as suggested by Lance Loeks. Determine the max bending allowed tolerance for contribution of the alignment bar. Train our auditors on how to use correction factors.

What is the procedure or process that the alignment bar is no longer valid for proper use? We need a path forward on how to determine this issue (12 identifiable issues when the operator loads the alignment coupon). Load Train alignment contribution to bending within the test specimen is needed to be minimize and documented.

ACTION ITEM: All Subscribing Voting Members to go back to their companies and review the proposal by the Sub-Team for acceptability for their test data and allowable alignment bar error allowed. (Due Date: 16-Jan-2016)

# AC7122-I “Fabrication Codes” to Provide Visibility to Specimen Manufacturing – OPEN



NMMT RAIL Item 72 Report Out

Motion made by John Key and seconded by Keith Panuska to incorporate the Fabrication Codes as presented within the power point presentation above. Motion Passed. 23 Voting Members voted Yea, 0 Voting Members voted Nea, and 1 Voting Member voted to Waive.

ACTION ITEM: Implement AC7122-I fabrication codes per presentation 4.0 (Due Date: 31-Dec-2015)

# NMMT Interlaboratory Proficiency Testing Final Report – OPEN



Discussion of 2015 Interlaboratory Proficiency Test (IPT) Results and Statistical Analysis

# Open Discussion – OPEN



**Topic 1**

AC 7124/5 Ballot Comment Resolution presented by John Tibma and documented within eAuditNet.

ACTION ITEM: PRI to incorporate AC7124/5 revisions as discussed in comment resolution. (Due Date: 31-Oct-2015)

**Topic 2**

Jay Bernd from Toray Composites is concerned that AC 7118 are being flowed into AC 7122 and AC 7124 audits. How should this be communicated and should it be incorporated into AC 7124 and AC 7122? (For example twisting and zip ties for specimen prepreg handling)

The requirements should be listed within the Checklist and should not be assumed from AC 7118.

ACTION ITEM: Subteam, Elliott Schulte (lead), John Key, Tara Campbell, Jay Bernd, Nancy Vancil, Steve Schrameyer, Luis Guelbenzu, to review material storage and handling requirements from AC7118 and determine which need to be added to AC7124, AC7122-I,P,R. Report out at February 2016 meeting. (Due Date: 28-Feb-2016)

**Topic 3**

When a Process Control Document states a requirement that is a value that has a tolerance and from an engineering definition, should it be calibrated? Yes it should be calibrated for this situation, and if it is used for product acceptance. (Opinion given by GE Aviation, Pratt and Whitney, and Boeing)

**Topic 4**

Task Group Dinner

Time: 7:00 pm on October 21, 2015 at the Church Brew Works, 3525 Liberty Ave, Pittsburgh, PA 15201. <http://www.churchbrew.com>

# Meeting Close Out – OPEN

New Voting Member Review and Acceptance

* + Ron Kramer – General Dynamics/Gulfstream Subscriber VM
  + Randy Armstrong – Raytheon Space & Airborne Systems Subscriber VM (Pending Subscription Verification)
  + Mario Simard – Bombardier Alternate Subscriber Voting Member
  + Jay Berndt – Toray Composites (America), Inc. Alternate Supplier VM NMMT

Review Action Items

Agenda Topics for the February 2016 meeting in Madrid

* + Final IPT Report Out
  + Per Rail

Final Comments

Motion to Close

ADJOURNMENT – 21-Oct-2015 – Meeting was adjourned at 4:00 p.m.

Minutes Prepared by: Monica Alcala [monica.alcala@honeywell.com](mailto:monica.alcala@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\*  NO  \*If yes, the following information is required: | | |
| Documents requiring revision: | Who is responsible: | Due date: |
|  |  |  |
|  |  |  |