

48th MMPDS Coordination Meeting Preliminary Minutes

SORTED BY ITEM NUMBER

Item No	Title	Type	Action	48th Meeting Description
04-21	Fastener Tables of Sunset Review Interest	On Hold	Not Covered	This item is on hold. With changes to Sunset Review process and fastener analysis methods, all Sunset Review items will be reviewed. If test data are received or can be generated for an item then it will stay on Sunset Review list and remain open. If test data are not received or cannot be generated for an item then it will be closed with no action and a new item will be created to collect lot-release data.
08-23	Sunset Review of Table 8.1.3.2.2(c), NAS1921C	On Hold	Not Covered	This item is on hold. Battelle will determine whether sufficient test data have been received or can be generated for this item to continue. Otherwise, Battelle will propose to close this item with no action at the 49th MMPDS meeting and create a new item to collect lot-release data.
09-13	Sunset Review of Table 8.1.3.2.3(a), MS21140	On Hold	Not Covered	This item is on hold. Battelle will determine whether sufficient test data have been received or can be generated for this item to continue. Otherwise, Battelle will propose to close this item with no action at the 49th MMPDS meeting and create a new item to collect lot-release data.
11-05	AMS Coordination - Volume I	Status	Continue	G. Marrs gave a status update.
11-38	Sunset Review of Flush Head, Mechanical Lock Spindle Blind Rivet Table 8.1.3.2.2(e) NAS 1921 M	On Hold	Not Covered	This item is on hold. Battelle will determine whether sufficient test data have been received or can be generated for this item to continue. Otherwise, Battelle will propose to close this item with no action at the 49th MMPDS meeting and create a new item to collect lot-release data.
12-89	Target Materials for Propulsion Applications	Handout	Continue	D. Hall presented this handout item. The list of materials will be included in the minutes.
13-34	Addition of AMS 4919 Ti-6-2-4-2 Plate Properties	Handout	Continue	G. Marrs presented this handout item. The item is continued to allow interested parties to get a cost estimates and consider possibilities for completion per Option 2. Please let Battelle know prior to the spring meeting if you can assist. Battelle will follow up on several action items.
13-50	ASTM Coordination	Status	Continue	D. Hall gave a status update.
14-28	Sunset Review of Table 8.1.4.2(i), LGPL2SC-V Pin, 3SLC-C Collar in Clad 7075-T6	On Hold	Not Covered	This item is on hold. Battelle will determine whether sufficient test data have been received or can be generated for this item to continue. Otherwise, Battelle will propose to close this item with no action at the 49th MMPDS meeting and create a new item to collect lot-release data.
15-13	Clarification of Shear Orientation for Legacy Alloys	Agenda/Handout	Continue	G. Marrs presented this agenda item. Most proposed changes were accepted. This item will continue with the remaining needed changes.
15-38	Reevaluation of Degrees of Freedom Calculation for Regression with Effect of Temperature	On Hold	Not Covered	This item has been placed on hold while Battelle waits for new data to use for demonstrations.
16-12	Identifying Basis of Fastener Shear Strength on Remaining Tables	Handout	Continue	W. White presented this handout item. Battelle will analyze lot-release data for AL905 from Ateliers de la Haute-Garonne and present results to FTG.
16-13	Corrections to Table 8.1.3.2.2(c) NAS 1921C	On Hold	Not Covered	This item is on hold. Approved corrections to Table 8.1.3.2.2(c) were never implemented and will be shown, along with additional footnote changes, to FTG at 49th MMPDS meeting.
16-23	Re-evaluate Guidelines for Effect of Temperature Curves	On Hold	Closed w no Action	Closed with no action. Updated data generation guidelines were covered in Item 26-22.
17-45	Effect of Temperature Curves for 2395-T84 Extrusion	On Hold	Not Covered	This item is on hold.
17-52	Review Section 9.6.1 - Load and Strain Control Fatigue	Status	Not Covered	Battelle has funding for the current program year targeting improvements for fatigue.
17-61	Revising R-curve Requirement in Table 9.2.4	On Hold	Not Covered	This item is on hold.
17-62	Revising Fatigue Requirement in Table 9.2.4	Status	Not Covered	Battelle has funding for the current program year targeting improvements for fatigue.
17-63	Use of Box-Cox Transformation in the Fitting of Fatigue Data	Status	Not Covered	A beta tool is available upon request.

48th MMPDS Coordination Meeting Preliminary Minutes

SORTED BY ITEM NUMBER

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19-19	Consideration of a new Equivalent Stress model for Load-Controlled Fatigue	Status	Not Covered	This item was not covered due to time constraints.
19-25	Guidelines for Derived Properties for Legacy Alloys	On Hold	Not Covered	This item is on hold.
19-38	Process Intensive Materials & Technologies SDO Coordination	Status	Continue	D. Hall gave a status update.
20-13	CMH-17/MMPDS Coordination & Collaboration	Status	Continue	D. Hall gave a status update. Volume 7 of CMH-17 is expected to be published soon for non-metal AM.
20-16	MMPDS & Additive Metals - Program Plan	Handout	Continue	D. Hall led discussion of this item. Battelle is following nine active programs that intend to submit data for analysis.
20-35	Alloys Requested for Analysis	Status	Continue	D. Hall gave a status update. Battelle will include a list in the meeting minutes.
20-36	Request for Secondary Property Data	Status	Continue	G. Marrs gave a status update. No additional data have been received.
21-02	Chapter 9 Reorganization – Volume I & II	Status	Continue	D. Hall provided a status update. No additional work has been performed.
21-18	Updates from V2WG Sub-teams	Status	Continue	Each sub-team provided an update. The Data Generation team has not met and does not plan to meet in the next six months. The Materials & Machines team is reviewing Section 9.2.2 and will recommend improvements. They will also look at the number of machines required as additional data are received. The Certification & Qualification team is working on Item 23-04 and Item 23-11.
21-42	Update for Haynes 230 Strength vs. Temperature curves	On Hold	Not Covered	This item is on hold.
22-03	Fasteners Requested for Analysis	Status	Continue	W. White gave a status update. Battelle will work with FTG to determine how to proceed with fastener testing.
22-15	Test Plan for Fastener MS20426AD in 2024-T42	On Hold	Not Covered	This item is on hold. Battelle will determine whether sufficient test data have been received or can be generated for this item to continue. Otherwise, Battelle will propose to close this item with no action at the 49th MMPDS meeting and create a new item to collect lot-release data.
22-33	Microstructure Information Accessibility for MMPDS, V2	Handout	Closed w no Action	The GCC is satisfied that the methods implemented by Battelle and MMPDS licensees are acceptable.
23-04	V2, 10.3 Overview of Qualification	Status	Continue	A. Yohannes (FAA) and L. Riddle (General Atomics) provided a status update.
23-11	Section 10.5 Consensus Standards	Status	Continue	A. Yohannes (FAA) and L. Riddle (General Atomics) provided a status update.
23-19	Review of 9.7 for Volume II	Status	Continue	D. Hall gave a status update. No additional work has been performed. Items 25-67 and 26-69 may be relevant.
23-20	Section 9.8 & 9.9 for Volume II	Status	Continue	D. Hall gave a status update. No additional work has been performed.
23-22	6061-RAM2 per AMS 7058	Status	Continue	G. Marrs gave a status update. No additional data have been received.
23-33	FCGR Variable Load Analysis Methods	Handout	Not Covered	This item was not covered due to time constraints. A beta tool is available on the MMPDS dashboard.
23-43	Correction to 7349-T76511 Extrusion Mechanical Properties	Status	Continue	G. Marrs gave a status update. No additional data have been received from Constellium.
23-59	Scenarios for Upgrading from S-Basis to A/B/C/D-Basis	Status	Continue	D. Hall gave a status update. No additional work has been performed. Name was changed to A/B/C/D-Basis and apply to both volumes. GTG will be responsible.
23-61	V2WG Coordination & Direction	Status	Continue	S. Cordner (NASA) and M. Crill (BGA) provided a status update.
24-03	Equations for Normal Distribution k-factors	On Hold	Not Covered	This item is on hold.
24-04	Ti-6Al-4V JMADD Test Plan	Handout	Continue	G. Marrs and M. Snyder presented the analysis results in this handout item. Further work will be done and an agenda item prepared for the 49th MMPDS meeting.
24-05	Ti-6Al 4V per AMS 7081 - GAMAT Test Plan	Status	Continue	Data were recently received from Boeing and will be analyzed to prepare an Agenda Item for the 49th GCC meeting.

48th MMPDS Coordination Meeting Preliminary Minutes

SORTED BY ITEM NUMBER

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24-06	Update to Section 9.3 Data Submission Guidelines	Status	Closed w no Action	D. Hall gave a status update. No further revisions are planned.
24-16	Section 9.2.3.5 for Volume II	Status	Continue	D. Hall gave a status update.
24-25	Friction Stir Processes	Handout	Continue	J. Beckman (Gulfstream) made a presentation on the work of the Friction Stir Welding Working Group to determine data generation requirements. Further work will be done to prepare an agenda item for the 49th MMPDS meeting.
24-32	AMS Coordination - Volume II	Status	Continue	D. Hall gave a status update.
24-38	Bearing Edgewise Requirements	On Hold	Not Covered	This item is on hold. See 44th agenda and minutes. A decision was made to review bearing results using indirect method prior to proceeding.
24-40	Ti 6-4 AM Test Plan per xxx	Status	Closed w no Action	J. Park (Korea Aerospace) provided a status update. After discussing with the V2 M&M subgroup, the supplier wishes to close this item and begin a new test program. See Item 26-79.
24-72	15-SPH AM Test Plan per AMS 7073	Status	Continue	M. Casey (Parker-Lord) provided status update. Slides will be included in the Final Minutes.
24-78	Test Matrix	Agenda	Approved w Changes and Closed	W. White presented this agenda item. Specimen counts updated to assume separate specimens for property type. Footnote added that total sample size can be reduced when multiple properties are obtained from a single specimen.
24-82	Investigation on Ultimate and Yield Stresses in Shear Equation 1.4.6.2	Status	Closed w no Action	Item was closed as work will be merged with new item 26-75 related to re-writing Section 1.4.6.
24-84	Table Format Options for Engine vs Airframe Alloys	Status	Closed w no Action	Item was closed as table format was revised in Item 26-29.
24-87	Data Requirement Table for PSG Alloys	Agenda	Approved and Closed	D. Hall presented this agenda item. Modifications to the relative importance for Option 2 (compressive modulus, tensile and elongation after exposure) were captured in Item 26-29.
24-88	Test Plan for Ti-6-4 per AMS7009	Status	Continue	D. Hall gave a status update.
24-91	Test Plan for AM ABD900 Ni-based superalloy	Status	Continue	J. Shingledecker (EPRI) provided a status update remotely. Static data has been submitted sufficient to calculate S-Basis tensile properties. Additional data will be delivered soon. For the MES requirement, the committee agreed that SEM and EBSD will be valuable to have but cannot replace the requirement for unetched optical images.
24-93	Updating Shear and Bearing Grain Directions to Test Orientations	Agenda	Closed w no Action	G. Marrs presented this agenda item. Assumptions about shear orientations cannot be made. Assumptions about bearing orientations can be made but changes to handbook tables are not a priority. New items 26-75 and 26-76 created to rewrite sections 1.4.6 and 1.4.7 and add additional historical context.
24-95	Discuss NASGRO/MMPDS collaboration	Status	Continue	D. Hall gave a status update.
25-02	Required Issues to Resolve to Define Fatigue Allowable	Handout	Continue	D. Hall led discussion of this item. Problem statement revised to not explicitly refer to S-Basis. M. Gorelik presented a roadmap for fatigue allowables in MMPDS; slides will be included in the Final Minutes.
25-09	V2 Specimen Orientations for Fatigue Crack Growth	Agenda	Approved w Changes and Closed	A ballot is going through the ASTM process. That nomenclature will be adopted when finalized.
25-10	Test Plan for AA7050 RAM2 per AMS7070/7071	Status	Continue	D. Hall provided a status update. No data have been received.
25-19	Modulus of Rupture Curves in MMPDS	Status	Continue	D. Hall provided a status update. Provide any known relevant references to Battelle.
25-28	Moving Fastener Data Requirements and Examples to Section 9.7 or Ch. 8	Handout	Continue	W. White presented this handout item. An agenda item will be prepared for the 49th MMPDS meeting to move examples in section 9.9.5 and 9.9.6 to new subsections in 9.7. Example in 9.9.5 will be updated as part of item 25-72.
25-29	Examples of Specimen Location in Test Plan Layouts	Handout	Continue	M. Snyder presented this handout item. A revised figure including a square derived specimen will be included in an agenda item for the 49th MMPDS meeting.

48th MMPDS Coordination Meeting Preliminary Minutes

SORTED BY ITEM NUMBER

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25-32	Investigate Use of Total Strain at Failure in V1 and V2	Agenda	Continue	G. Marrs presented this agenda item. Discussion revolved around if current data are total strain at failure or not. Some say it will be elongation after failure because it is cheaper. Data for analysis are only reported as elongation so the handbook does not differentiate. Further investigation is needed.
25-33	Requirements to Include D-Basis without C-Basis for V2	Status	Closed w no Action	D. Hall provided a status update. The committee does not wish to continue pursuing options for publishing D-Basis without C-Basis.
25-34	Guidelines for a Secondary Supplier Upgrading Basis of V2 Tables	Status	Continue	D. Hall provided a status update. The item name will be changed to cover both volumes.
25-36	Definition of Preform in V2	Agenda	Approved w Changes and Closed	M. Snyder presented this agenda item. Strike "intermediate", add "thermal", and make specific to DED processes. New item 26-77 created to define preform in Volume I.
25-37	Investigate Relationship of Unique Chemistry in Relation to Powder Heats	Status	Closed w no Action	Item closed since this topic falls outside of the scope of MMPDS.
25-39	Recommended Best Practice Test Conditions for E111	Agenda	Continue	G. Marrs presented this agenda item. There was discussion on why 3 tests are used in the first place and if we need to require it. Either for testing innacuracy, poor testing machines, or working out slack in the system. This item is continued to discuss futher. Contact Battelle if interested in joining group to discuss E111.
25-46	Update Creep Data Requirements to Vary Stress	Agenda	Approved w Changes and Closed	D. Hall presented this agenda item. Updated language for clarity. Final changes are captured in Item 26-29, Table 9.2.4.
25-49	Requirements for Specification Minimum Values for Fracture Toughness	Agenda	Approved w Changes and Closed	D. Hall presented this agenda item. Editorial changes were captured in PDF. See Item 26-29 Table 9.2.4 for final changes.
25-53	Clarification of 718 Bar Tables	Agenda	60 Day Approval	D. Hall presented this agenda item. Comments from the meeting were captured in the minutes.
25-58	Radiographic Acceptance Criteria in Additively Manufactured Material Specifications	Status	Continue	A. Yohannes (FAA) provided a status update.
25-61	PH13-8Mo per AMS 5629/H1100	Status	Continue	D. Hall provided a status update.
25-62	New Alloy - AA2050-T62	Status	Continue	M. Niedzinski (Constellium) gave a presentation.
25-63	Test Plan for AMS 7030	Status	Continue	M. Casey (Parker Lord) provided a status update.
25-64	Test Plan for Haynes 230 MMC with Carbon Nanotubes	Status	Continue	D. Hall provided a status update.
25-66	Fcy Changes for 7075-T76511 Aluminum Alloy Extrusions	Agenda	Approved and Closed	M. Snyder presented this agenda item. Approved upgrading Fcy from S-Basis to A-/B-Basis.
25-67	Mechanical Properties of AMS 7004 with Substrate Material and/or Heat Affected Zone	Status	Continue	M. Stepanova (Norsk) gave a status update. Data will be provided to Battelle for analysis. Continued discussion is needed to determine where data may be published within MMPDS.
25-68	Tabulated Statistical Information for Elastic and Physical Properties in Volume II	Agenda	Approved w Changes and Closed	W. White presented this agenda item. Footnote added to Poisson's ratio that value may depend on plane in which the specimen was extracted.
25-69	Guidelines for Micrographs within MMPDS, Volume I	Status	Closed w no Action	D. Hall gave a status update. Once requirements are approved for Volume II, those requirements could become recommendation in Volume I. Item was closed and will be merged with Item 25-70.
25-70	Guidelines for Micrographs within MMPDS, Volume II	Status	Continue	D. Hall provided a status update. Discussion of standards for magnification will be covered by this item. Combine with requirements for Volume I and II.
25-71	Investigate Statistical Acceptance Test Methods	Handout	Continue	W. White presented this handout item. Five new items created to discuss specific scenarios where guidance needed for acceptance testing: Items 26-70, 26-71, 26-72, 26-73, and 26-74.
25-72	Review and Update Section 9.9.5 Mechanically Fastened Joints	Status	Continue	W. White provided a status update. Example will be updated in an agenda item for the 49th MMPDS meeting.
25-73	Engineering Judgment Utilization	Status	Continue	D. Hall provided a status update.
25-77	Consequences of Spearman's Rank Correlation Threshold Violations	Status	Continue	M. Snyder provided a status update. Behavior of the indirect method will continue to be monitored as data are received.
25-81	Required Issues to Resolve to Define FCGR Allowables	Status	Continue	D. Hall gave a status update.
25-82	Required Issues to Resolve to Define Fracture Toughness Allowables	Status	Closed w no Action	D. Hall gave a status update. Item was closed as the committee does not wish to publish allowables for fracture toughness.

48th MMPDS Coordination Meeting Preliminary Minutes

SORTED BY ITEM NUMBER

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25-83	Investigate uses of Bayesian Statistics	Status	Continue	W. White gave presentation on possible framework of Bayesian update for fatigue models. Presentation will be included in the Final Minutes.
25-84	V2 Alloy Introduction - Section 2.1	Handout	Continue	D. Hall presented this handout item. Provide suggested edits to Battelle.
25-85	V2 Alloy Introduction - Section 3.1	Handout	Continue	D. Hall presented this handout item. Provide suggested edits to Battelle.
25-86	Machine Requirement for Volume II	Status	Continue	M. Crill (TBGA) provided a status update.
26-01	V2 Alloy Introduction - Section 6.1	Handout	Continue	D. Hall presented this handout item. Provide suggested edits to Battelle.
26-02	V2 Alloy Introduction - Section 7.1	Handout	Continue	D. Hall presented this handout item. Provide suggested edits to Battelle.
26-12	NASGRO Analysis of AMS 7004 FCGR data	Status	Closed w no Action	D. Hall provided a status update. FCGR data for AMS 7004 did not meet minimum requirements for NASGRO fit (only two stress ratios). Collaboration between MMPDS and NASGRO is covered in Item 24-95.
26-13	S/N Fatigue Data for 7050 per AMS 4050	Status	Continue	M. Snyder presented preliminary analysis of the S/N data using the random fatigue limit model as part of Item 26-56. Continued development of fatigue analysis methods is planned.
26-22	Data Generation Requirement for Effect of Temperature	Agenda	Continue	D. Hall presented this agenda item. The proposed sample size may be high. Additional investigation into statistical justifications and costing will be performed.
26-24	Review & Revise Section 9.2.2, Volume II	Status	Continue	M. Crill (TBGA) provided a status update. Draft language will be included in the minutes. Additional revisions are needed related to friction stir welding.
26-25	Chapter 8 Table Specification Review	Status	Continue	G. Marrs provided a status update. No additional work has been performed.
26-29	Consolidated Data Requirements Tables	Agenda	60 Day Approval	D. Hall presented this agenda item. Typos and editorial corrections were noted during the discussion. Differing requirements needed for C- and D-Basis will be standardized since D-Basis cannot be published without C-Basis. Battelle will explore options for a digital tool that supplements the printed table.
26-31	Lot-Release Analysis of Creep Test Results	Agenda	Continue	D. Hall presented this agenda item. It was agreed to recommend these requirements to AMS to determine lot release minimums. A question was raised on how the elongation was determined. The recommendation will be presented to AMS. If approved to add into their requirements, Table 9.2.4 will be updated to reflect requirements for lot release data.
26-32	Addition of AA2046 Plate	Handout	Continue	G. Marrs presented this handout item. Two low bearing tests came from the same lot and were paired with the same tensile value. These low values make the data fail direct analysis. The data are also poorly correlated to tension therefore indirect also will not work. Item 26-82 was opened to explore options for shear and bearing screening test programs to identify critical orientations. K. Maciejewski (Arconic) noted that ASTM E238 had a round robin and there may be room to improve the precision of the standard.
26-33	Review of AMS 5737	Handout	Continue	G. Marrs presented this handout item. PSG will also review to provide further guidance on desired product forms and specifications.
26-34	Additional Requirements for Material Specifications	Status	Continue	T. LeBrun (TBGA) provided a status update.
26-35	Upgrade Properties of C355-T6 per AMS 4215	Status	Continue	D. Hall provided a status update.
26-36	Update Naming of Effect of Exposure Curves for Clarity	Agenda	Approved w Changes and Closed	G. Marrs presented this agenda. New standardized language for figure titles and axis labels was approved. Figures will be updated as time permits.
26-37	Remove or Edit Section 1.4.4.1	Status	Closed w no Action	Item closed as this section was covered in Item 26-53.
26-38	Add a Reference to the Uniformity Requirements as a Footnote	Agenda	Approved and Closed	W. White presented this agenda with Item 24-78. See Item 24-78 for final version.

48th MMPDS Coordination Meeting Preliminary Minutes

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26-39	Addition of Coordinate System Figure to 5.4.1 of Volume II	Status	Continue	D. Hall provided a status update. An agenda will be prepared for the 49th meeting.
26-40	Update Width and Height Definitions	Handout	Continue	D. Hall presented this handout item. No comments were received. Agenda item will be created for the 49th MMPDS meeting.
26-41	Definitions and Terminology for Fatigue	Agenda	Approved and Closed	D. Hall presented this agenda item. ASTM E1823 will be adopted as the dictionary for terms related to fatigue and fracture.
26-42	Update the Figures in 9.7.1.4	Agenda	Approved and Closed	W. White presented this agenda item. Updated figures for Section 9.7.1.4 of Volume I will appear in MMPDS-2027.
26-43	Static vs. Dynamic Modulus Identification for A-286, N-155, 718 Alloys	Agenda	Approved and Closed	G. Marrs presented this agenda item. Approved changing E to E _D and G to G _D for 718, and no change for A-286 and N-155. J. Mantione (ATI) offered to provide dynamic modulus data for A-286 (new Item 26-81).
26-44	Bayesian Approach for Fastener Analysis Method	Agenda	Approved w Changes and Closed	W. White presented this agenda item. Term 'outlier' was replaced to clarify when method should be used.
26-45	Graphical Representation of Uniformity Equations	Handout	Continue	W. White presented this handout item. An agenda will be prepared for the 49th meeting. A tool will be added to the dashboard; contact Battelle if interested.
26-46	Update Footnote for Solution Treated and Aged Materials	Consent Agenda	Approved and Closed	D. Hall presented this consent agenda item.
26-47	Definition of Sponsor in A.3	Agenda	Approved w Changes and Closed	D. Hall presented this agenda item. Added that a sponsor can either create or modify an entry.
26-48	Normal vs. 50% Censored Normal Guidance	Agenda	Approved w Changes and Closed	M. Snyder presented this agenda item. Context added to the 9.5.5 reference. Changes to the MIDAS output are planned.
26-49	New Structure for 9.2.4 Data Requirements Table	Agenda	Closed w no Action	D. Hall presented this agenda item. Table 9.2.4 was restructured in Item 26-29 and additional changes covered in this item were no longer relevant.
26-50	Effect of Temperature and Effect of Exposure Data Requirements	Handout	60 Day Approval	D. Hall presented this handout item. Approved relative importance for Option 2. Data generation requirements covered in Item 26-22.
26-51	Update Section 8.1.2	Handout	Continue	W. White presented this handout item. Needed revisions will be sent to Battelle by P. Coronado (Boeing).
26-52	Update GCC Bylaws	Agenda	Approved w Changes and Closed	D. Hall presented this agenda item. Modified language around requirements for a GCC meeting to be considered official.
26-53	Update of Section 1.4.4 Stress-Strain Curves	Agenda	Approved and Closed	D. Tummons (Boeing) presented this agenda item.
26-54	Stabilization of AMS 4251 for 2090-T83 Sheet	Consent Agenda	Approved and Closed	D. Hall presented this consent agenda item.
26-55	Editorial Corrections for MMPDS-2027	Consent Agenda	Approved w Changes and Closed	D. Hall presented this consent agenda item. A. Elwell (Boeing) noted a possible typo for shear modulus in #2b. The correction is captured in the minutes.
26-56	Use of Maximum Likelihood Estimation for Fatigue Curves	Handout	Continue	M. Snyder presented this handout item. Continued development of fatigue analysis methods and data generation requirements is planned.
26-57	Expansion of the Thickness Range for AA7050-T7451 Plate	Handout	Continue	G. Marrs presented this handout item. K. Maciejewski (Arconic) shared a presentation. Item 26-78 was created to investigate the use of splines for thickness effect.
26-58	Data Generation Requirement for Creep and Rupture	Agenda	Approved w Changes and Closed	D. Hall presented this agenda item. Text updated for clarity.
26-59	Guidance for Elevated and Cryogenic Temperature Poisson's Ratio Testing	Handout	Continue	This item was discussed during the PSG. Direct calculation of Poisson's ratio is preferred and should be mandatory if anisotropic.
26-60	Define Runout	Agenda	Closed w no Action	D. Hall presented this agenda item. Recommendations for runouts is dependent on application and material. Feedback will be incorporated into rewrite of Section 9.6.1 in Item 17-52.
26-61	Tension(LT) Upgrade for 7075-T76511 Aluminum Alloy Extrusions	Agenda	Approved and Closed	M. Snyder presented this agenda item. Tension(LT) upgraded from S-Basis to A-/B-Basis for 1.5-2.0 inch thickness range.

48th MMPDS Coordination Meeting Preliminary Minutes

SORTED BY ITEM NUMBER

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26-62	Editorial Corrections - Lot-Release Confirmation Process for Blind Fasteners	Consent Agenda	Approved w Changes and Closed	D. Hall presented this consent agenda item. Minimum requirement for nonparametric analysis corrected to 299 specimens.
26-63	Consent Agenda Summary 48th MMPDS GCC	Consent Agenda	Approved w Changes and Closed	D. Hall presented this consent agenda item. Changes were captured for Item and 26-55 and 26-62. See the individual items for final changes.
26-64	ICME/CM4QC Related Activity Coordination	Status	Continue	D. Hall provided a status update.
26-65	Inconel (220 ksi) Bolt Load-Controlled Fatigue Curve	Present.	Continue	K. Olsen (Parker) gave a presentation.