

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
03-14	MTG		1	Review of Currency of Existing Database on Legacy Alloys	Agenda	J. Rubadue will prepare an agenda item
04-21	FTG		8	Fastener Tables of Sunset Review Interest	On Hold	No effort expected at this time
08-23	FTG		8	Sunset Review of Table 8.1.3.2.2(c), NAS1921C	On Hold	No effort expected at this time
09-13	FTG		8	Sunset Review of Table 8.1.3.2.3(a), MS21140	Status	C. Shannon will present status of this item More shear data are requested.
10-13	MTG	ASG	2	Wrought Steels S-Basis Summary	Status	No effort is expected to be made on this item.
10-14	MTG		3	Wrought Aluminum Alloys with S-Basis Minimums	Agenda	J. Rubadue will prepare an agenda item
10-15	MTG		3	Mechanical Properties for Aluminum Alloy Forgings	Status	2219-T852 Hand Forgings has been assigned Item 18-21 for analysis with data from 2 suppliers. Data for 6061-T652 Hand Forging per AMS4248 is requested. This is currently not in MMPDS.
10-17	MTG		3	Re-evaluate Legacy Alloy Stress-Strain Curves in Chapter 3	On Hold	No effort expected at this time
10-25	GTG-F	FTG	9	Fastener Installation Parameters for Joint Tension Allowables	Status	C. Shannon will present the status of this item if we have received Boeing's example problems.
11-05	MTG		1	AMS Coordination	Status	The next AMS Metals Committee Meeting will be held the week following the MMPDS Meeting, September 17-20, in Minneapolis, MN.
11-15	MTG		2	Division of Low Alloy Steel Table 2.3.1.0(g2)	Status	No effort is expected to be made on this item.
11-38	FTG		8	Sunset Review of Flush Head, Mechanical Lock Spindle Blind Rivet Table 8.1.3.2.2(e) NAS 1921 M	On Hold	No effort expected at this time
11-43	FTG		8	Supporting Data and Basis Identification for Table 8.1.2(b)	Status	C. Shannon will present the status of this item More data are requested
12-16	MTG	ASG/ MATSSG	2	Footnote for Steel When Test Specimen is Not From Full Thickness	Status	D. Hall will present status of this item.
12-17	MTG	MATSSG	6	Footnote for Non-Ferrous Alloys Test Specimen When Not From Full Thickness	Status	This item is on hold until Item 12-16 is done.
12-44	MTG		5	Design Allowable Properties for Ti-3Al-2.5V Tubing	Status	Progress on this item will begin as soon as requested data has been obtained from Sandvik and Haynes. Both companies have indicated willingness to submit data, but have not yet submitted data.
12-45	MTG		2	21-6-9 (Nitronic 40) Tubing	Status	Data are requested for AMS5561 tubing. If data are received in time, an agenda item will be prepared.
12-50	GTG-F	FTG	9	Evaluation of new Regression and Confidence Models for Lap Joint Tests	Status	C. Shannon will present the status of this item
12-52	GTG-F	FTG	9	Fastener Minimum t/D Requirements	Status	C. Shannon will present the status of this item
12-89	GTG	PSG		Target Materials for Propulsion Applications	Status	D. Hall will present status of this item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
12-105	GTG-F	FTG	9	Modification to the Sunset Criteria Procedures	Status	C. Shannon will present status on this item at the FTG
13-32	MTG		3	Bearing Strength Reduction for Edgewise Orientation from Extruded Bar	Status	This item is on hold until data from additional alloys are received.
13-34	MTG		5	Addition of AMS 4919 Ti-6-2-4-2 Plate Properties	Status	Data are expected from ATI, Arconic, and AFRL. If data are received in time, an agenda will be prepared.
13-35	MTG	MATSSG	6	Upgrade S-Basis to A- and B-Basis for 718 Bar Nickel-Base Alloys per AMS 5962	Agenda	J. Rubadue will prepare an agenda item
13-43	MTG		3	Addition of ST Bearing Properties for 7085-T7451 Plate	Status	If data are received in time, an agenda item will be prepared.
13-50	GTG		9	ASTM Coordination	Status	D. Hall will present status of this item. H. Jesequel, G. Bray, & S. Thompson may contribute, too.
14-19	GTG		9	Inclusion of Kisi Fracture Toughness Data	Status	D. Hall will present status on this item
14-24	MTG		4 thru 7	Identification of Stress-Strain Curves Which Have Been Evaluated for 2-Shape Factor for Chapters 4-7	Status	No effort expected at this time
14-28	FTG		8	Sunset Review of Table 8.1.4.2(i), LGPL2SC-V Pin, 3SLC-C Collar in Clad 7075-T6	Status	No effort expected at this time
14-61	GTG	PSG	9	Update Creep Guidelines	On Hold	D. Hall will propose closing of this item with no action since the focus has shifted to a Chapter 1 revision, which is now being covered under Item 18-09.
14-62	GTG		9	Evaluate Inclusion of other Fracture Toughness Data (JIC, KJIC)	Agenda	D. Hall will present this agenda item
14-66	MTG		2	Addition of 15-5PH Sheet S-Basis per AMS 5862 for H1025 Condition	Status	Data are needed.
14-67	MTG		3	Addition of 3-6 Inch Range for 7075-T73X Bar and Rod per AMS 4124	Status	Data are needed.
15-13	MTG		multi	Clarification of Shear Orientation for Legacy Alloys	Agenda	J. Rubadue will present this agenda item for 7075-T73 sheet.
15-19	GTG-F	FTG	9	Verification of Secondary Modulus Methods for Fasteners	Status	C. Shannon will present the status of this item
15-34	GTG		9	Stress-Strain Curve Extension	Agenda	C. Shannon will present this item, which will include some proposed guidelines on when to use the Bron analytical method for extending a typical stress-strain curve to the ultimate strength.
15-36	GTG		9	Modification of Indirect Analysis Equation	Agenda	B. Krile will present this item to review the results of a review of several recent datasets, including several that contain sufficient derived properties to do the analysis directly and indirectly.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
15-37	GTG		9	Guidelines for Strain-Rate Sensitive Materials	Status	D. Hall will lead discussion on this item. The primary focus at this meeting will be on 1) clarification of the specific goals for this item and 2) availability of desired information regarding testing strain rates Propose close with "Close with No Action"?
15-38	GTG		9	Reevaluation of Degrees of Freedom Calculation for Regression with Effect of Temperature	Status	D. Hall will present this item, which will include example problems involving the current and proposed new method with several different sample sizes
15-40	GTG	ASG/ MATSSG	9	Guidelines for When Specimens Are Not From Full Thickness	Status	This item is related to Item 12-16 and will be discussed by new steel working group listed with that item.
15-42	MTG		3	Casting Allowables for 15-5PH and 17-4PH steel	Status	D. Hall will present the status of this item.
15-46	GTG	MATSSG	9	Cross-Sectional Information Requirement for Extrusions	Agenda	J. Rubadue will prepare an agenda item
15-51	GTG	ASG/ MATSSG / GSG	9	Periodic Testing of Materials for Derived Properties	Handout	D. Hall will present this item. Propose to Close with No Action
16-02	GTG		9	Updates to Strain Departure Methods for Stress-Strain Curve Analyses	Status	C. Shannon will provide a brief update on why this item was first proposed. Since it is a low priority no action has been taken to date.
16-10	MTG	ASG	3	Legacy Alloy 7075-T6 Indirect Properties Update	Agenda	J. Rubadue will prepare an agenda item for both bare and clad sheet.
16-12	FTG			Identifying Basis of Fastener Shear Strength on Remaining Tables	Status	The identified tables of interest are having their shear data reviewed by the table owner. New data, where applicable, is being requested.
16-13	FTG		8	Corrections to Table 8.1.3.2.2(c) NAS 1921C	Status	C. Shannon will present the status of this item
16-15	GTG	ETWG	9	Emerging Technology Working Group	Agenda	D. Hall will present this agenda item. See the Agenda for the ETWG meeting. Review progress by the Volume II Working Group Discussion of Equivalency Testing (Item 16-20) Test Matrix "Table 9.2.4"
16-20	GTG	ETWG	1	Equivalence Testing Assuming Change in Process (From Item 11-40)	Handout	B. Krile will present this item, which will include the results of recent simulations in which the merits and limitations of the Boeing SPC method, and the Battelle low values and sample size limited methods.
16-22	MTG	ASG	multi	Identification of Forging Types for Tables with A- and B-basis	Agenda	J. Rubadue will prepare an agenda item. The ASG would like to discuss rewording of footnotes when material is from forged billet.
16-23	GTG	PSG	6	Re-evaluate Guidelines for Effect of Temperature Curves	Status	D. Hall will present the results of recent assessments of alternative approaches for development of effect of temperature curves.
16-24	GTG		9	Guidelines for Modulus When Average Value is Insufficient	Agenda	D. Hall will present this brief item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
16-29	GTG	ASG	1	Review of Section 1.4.7 Bearing Properties	Status	D. Hall will lead discussion of this item. ASG needs to review and offer a revision to the proposed text.
16-30	MTG		2	AM-355 Stainless Steel in SCT850 Condition	Status	No effort is expected to be expended on this item. No one is using this condition right now.
16-32	MTG	MATSSG	3	Mechanical Properties for 7097-T7651 Aluminum Alloy Plate	Agenda	C. Shannon will present this agenda item. The design properties were previously approved and included in the 31st meeting minutes. This item adds the remainder of the new section and stress-strain curves.
16-34	GTG		9	Review Guideline on Stress-Strain Submittal for Number of Curves per Thickness Range	Agenda	C. Shannon will present this item, which will include proposed changes to Table 9.2.4.
16-36	GTG-F	FTG	9	Use of T99 as A-Basis When Higher than Specification for Fastener Shear and Tension	Handout	C. Shannon will present this agenda item.
16-37	GTG-F	FTG	1	Chapter 1 Guidelines on Fastener Design Allowable Usage	Handout	C. Shannon will present this agenda item at the GTG meeting.
16-40	MTG		7	Estimated Values in Table 7.3.2.0(c) Copper Beryllium Strip	Status	No effort is expected to be expended on this item.
16-41	GTG		9	Update Static Property Examples in Section 9.8.1	Agenda	J. Rubadue will present an agenda item with an initial draft showing results to date.
17-09	MTG		3	Fatigue Curves for 2099-T83 Extrusion	Status	D. Hall will provide a status report. No action due to low priority.
17-10	MTG		4	Fatigue Curve for 2099-T81 Extrusion	Status	D. Hall will provide a status report. No action due to low priority.
17-19	MTG		2	Addition of Transverse Bearing Strength Properties for Custom 465 Bar	Status	If data are received in time, an agenda item will be prepared.
17-23	GTG		9	Legacy Alloy Review Strategy – Near Term	Status	D. Hall will review status of this item
17-25	GTG		9	Re-evaluation of Reduced Ratio Sample Size Determination	Agenda	D. Hall will review this brief item that will clarify the issues that led to establishment of this item, and he will seek clarification on the most important next steps, should funding be sufficient to pursue this item in more detail.
17-26	GTG	/MATSSG	9	Guidelines for Generation and Use of A/B Allowables for Castings	Handout	D. Hall will review this handout item.
17-28	GTG-F	FTG	9	Consideration of Origin in Multiple Regression Analysis for Joint Allowables	Presentation	Jay Goodman will provide a presentation to the FTG on alternate models that can be used to include the origin.
17-29	GTG-F	FTG	9	Replacement of T90 Yield Curve with a Multiple-Regression Typical Yield Curve for Joint Allowables	On Hold	No effort is expected to be spent on this item at this time.
17-30	GTG-F	FTG	9	Revision of Table Format for Joint Allowables	On Hold	No effort is expected to be spent on this item at this time.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
17-31	FTG		9	Sunset Shear Strength Rule Criteria Addition	Handout	C. Shannon will present this agenda item at the GTG meeting.
17-32	GTG-F	FTG	8	Edit Table 8.1.5.1	Agenda	C. Shannon will present this agenda item at the GTG meeting.
17-33	GTG	PSG	9	Alternative Fitting Function for Effect of Temperature Data	Status	D. Hall will review this item.
17-34	GTG	SSWG	9	Guidelines for Rejection of Stress-Strain Curves from Parametric Analysis	Status	C. Shannon will provide a status report on this low priority item.
17-39	GTG			Stress-Strain Curve Working Group	Status	E. Hernandez will present status of this working group
17-41	MTG		3	R-Curve for Alclad 2029-T8 Aluminum Alloy Sheet	Handout	D. Hall will review this item.
17-43	MTG		3	R-Curves for 2624-T39 and T351 Aluminum Alloy Plate	Agenda	D. Hall will review this item.
17-44	GTG		9	Clarification of Ten-Lot Minimum Requirement for Derived Properties	Status	J. Ruaadue to present status.. Revision of Footnote (c) of Table 9.2.4.1 will be discussed at the meeting.
17-45	MTG		3	Effect of Temperature Curves for 2395-T84 Extrusion	Status	D. Hall will review this item.
17-47	GTG-F	FTG	9	Clarification of Guidance for Normal/Censored Normal Analysis	Status	C. Shannon will discuss with FTG to determine the intent of this item. Also review item 15-17 from the 30th meeting.
17-52	GTG	FatWG		Review Section 9.6.1 - Load and Strain Control Fatigue	Status	D. Hall will lead discussion on this item.
17-54	MTG		3	Inclusion of Properties for AMS 4221, 2124-T8151 Plate	Status	Data are requested.
17-55	MTG	PSG		Supplemental Data for Ti-6-2-4-2 Forging	Status	D. Hall will review the amount of fatigue, creep and crack growth data that is available. Depending on the results of the 2018 ballot there may be some progress to report on, as well.
17-56	MTG			FCG Analysis for 2397-T87 Plate	Status	D. Hall will review the amount of crack growth data that is available. Depending on the results of the 2018 ballot there may be some progress to report on, as well.
17-57	MTG			Re-evaluate Fatigue Analysis for 2024-T4 Multiple Product Forms	Status	D. Hall will present status of this item
17-58	MTG			How Casting Specification Work	On Hold	No effort expected at this time
17-61	GTG		9	Revising R-curve Requirement in Table 9.2.4	Status	D. Hall will present this item to modify the requirements in Table 9.2.4. Currently, R-curve is required when included in the specification.
17-62	GTG	FatWG	9	Revising Fatigue Requirement in Table 9.2.4	Status	D. Hall will present this item to modify the requirements in Table 9.2.4.
17-63	GTG	FatWG	9	Use of Box-Cox Transformation in the Fitting of Fatigue Data	Status	D. Hall will present status of this item.
17-64	GTG	ETWG		Northrop Grumman Design Allowables for Additive Ti 6-4	Presentation	If available, a presentation will be made

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
17-69	GTG	SG, MATSSG	9	Pairing of Tensile Coupon with Shear and Bearing Orientations	Status	The 31st agenda item will be discussed at this meeting.
18-01	GTG	ASG, MA	3	Environmentally Assisted Cracking in Aluminum Alloys (EASA SIB 2018-04)	Status	MATSSG, ASG, to discuss and possibly close after documentation
18-04	GTG	MATSSG	9	Determine Minimum Thickness for Die-forging Bearing Tests	Agenda	G. Bray, Arconic, prepared this agenda item which adds clarifications to Sections 1.4.7.2, 9.2.3.2 and 9.2.3.3..
18-05	GTG	MATSSG	9	Data Quantities for Large Gage Ranges	Agenda	This agenda will be discussed in MATSSG.
18-06	GTG-F	FTG	9	Revision of Figure 9.3.4.4 Failure Codes for Fasteners	Handout	C Shannon will present this agenda item at the FTG meeting
18-07	FTG	WWG	8	Review of Inconsistencies in Table 8.2.2.1.2(d) for Spot-Weld Joints	Agenda	C. Shannon will present this item. This was Table 8.2.2.3.2(d) prior to MMPDS-13.
18-08	MTG		6	718 Investment Cast (AMS5383) Addition of Tensile A/B-basis and Elevated Temperature	Handout	D. Hall will present this handout item
18-09	GTG		1	Update Creep Guidance in Chapter 1	Status	D. Hall will lead discussion of this item and attempt to clarify the issues of greatest importance in the revision of Chapter 1, Section 1.4.8
18-10	GTG		9	Data Requirements for Forgings	Status	This item will be discussed in the GTG.
18-11	MTG		3	Stress-Strain Curves for 2050-T852 Aluminum Alloy Die Forging 4.000-6.000 inch	Status	C. Shannon will present status on this item. Aubert & Duval provided original data but additional data is needed to complete the analysis
18-12	GTG		9	Guidelines for Smooth Transition of Properties Across Thickness Ranges	Status	B. Krile will present the status of this item
18-13	GTG		9	Guidelines for Exclusion of Low Secondary Property Test Values	Status	J. Rubadue will present status on this item
18-14	MTG		3	Addition of A206.0-T4 and T71 Sand Casting Stress-Strain Curves, Physical Properties, and Fatigue Analyses	Handout	D. Hall will present this item.
18-15	GTG		9	Guidelines for Non-Monotonic Stress-Strain Response	Status	C. Shannon will present status on this item
18-16	MTG		3	Full-Range Stress-Strain Curves for 2050-T852 Aluminum Alloy Die Forging	Agenda	C. Shannon will present this agenda item
18-17	MTG		3	Design Allowable Properties for 7160-T7651 Aluminum Alloy Plate	Agenda	J. Rubadue will present this agenda item.
18-18	FTG		8	Update AMS-QQ-A-250/4 in Table 8.2.2.1.2(a) (MMPDS-13)	Agenda	C. Shannon will present this agenda item in the FTG.
18-19	MTG		5	Legacy Confirmation for Ti-6-4 Investment Castings per AMS4992	Status	This item is a spin-off from Item 03-14. Data are available from Howmet and PCC. If there is sufficient time for an analysis, an agenda item will be prepared.
18-20	MTG		3	Upgrade S-Basis to A- and B-Basis 7075-T76, T7651 Bare and Clad Sheet and Plate	Status	This item is a spin-off from Item 10-14. Data are available from Alaris, Alcoa, AMAG, and Kaiser. If there is sufficient time for an analysis, an agenda item will be prepared.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Item Number

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
18-21	MTG		3	Upgrade S-basis to A/B-basis for 2219-T852 Aluminum Alloy Hand Forgings	Status	This item is a spin-off from Item 10-15. Data are available from Weber and Alcoa. If there is sufficient time for analysis, an agenda item will be prepared.
18-22	MTG		3	Legacy Confirmation and Upgrade to A- and B-basis for 7075-T76511 Extrusion	Status	This item is a spin-off from Items 03-14 and 10-15. Data are available from Alcan, Kaiser, and Universal Alloy. If there is sufficient time for analysis, an agenda item will be prepared.
18-23	MTG		3	Upgrade of 7XXX Series Fatigue Curves	Agenda	D. Hall will present this agenda item.
18-24	MTG		5	Contemporary Tension and Compression Modulus Data for Ti-6Al-4V Annealed Sheet	Agenda	Boeing submitted this agenda item to add modulus values for sheet properties.
18-25	MTG		3	Proposal for AA/ANSI Alloy Designation System for Aluminum Alloy Powder and Parts	Presentation	G. Bray, Arconic will give this presentation during the MTG. Feedback is requested on the proposed designation for aluminum powders.
NIN	MTG		6	Secondary Properties for 718 Bar per AMS 5662 and AMS 5663	Status	Compression, shear, and bearing data are requested.
NIN	MTG		3	Introduction to AA7160: A New Family of High Strength, High Toughness, and Corrosion Resistant Plate by Scott Buchwald	Presentation	S. Buchwald, Constellium, will give this presentation during the MTG on two new tempers of 7160 aluminum alloy.
NIN	MTG		4	Introduction to Elektron 21 (EV31A) Billet and Slab for Machine from Solid Applications	Presentation	D. Cleveland, Luxfer, will give this presentation during the MTG.
NIN	GTG		9	Using the Logarithm Transformation with MIDAS Analysis of Minimum Properties	Presentation	J. Goodman, Arconic, will give this presentation during the GTG.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
ASG - Airframer Steering Group						
16-29	GTG	ASG	1	Review of Section 1.4.7 Bearing Properties	Status	D. Hall will lead discussion of this item. ASG needs to review and offer a revision to the proposed text.
10-13	MTG	ASG	2	Wrought Steels S-Basis Summary	Status	No effort is expected to be made on this item.
16-10	MTG	ASG	3	Legacy Alloy 7075-T6 Indirect Properties Update	Agenda	J. Rubadue will prepare an agenda item for both bare and clad sheet.
16-22	MTG	ASG	multi	Identification of Forging Types for Tables with A- and B-basis	Agenda	J. Rubadue will prepare an agenda item. The ASG would like to discuss rewording of footnotes when material is from forged billet.
17-69	GTG	ASG/ MATSSG	9	Pairing of Tensile Coupon with Shear and Bearing Orientations	Status	The 31st agenda item will be discussed at this meeting.
15-40	GTG	ASG/ MATSSG	9	Guidelines for When Specimens Are Not From Full Thickness	Status	This item is related to Item 12-16 and will be discussed by new steel working group listed with that item.
12-16	MTG	ASG/ MATSSG	2	Footnote for Steel When Test Specimen is Not From Full Thickness	Status	D. Hall will present status of this item.
15-51	GTG	ASG/ MATSSG / GSG	9	Periodic Testing of Materials for Derived Properties	Handout	D. Hall will present this item. Propose to Close with No Action
17-26	GTG	ASG/ MATSSG / PSG	9	Guidelines for Generation and Use of A/B Allowables for Castings	Handout	D. Hall will review this handout item.
ETWG - Emerging Technology Working Group						
16-15	GTG	ETWG	9	Emerging Technology Working Group	Agenda	D. Hall will present this agenda item. See the Agenda for the ETWG meeting. Review progress by the Volume II Working Group Discussion of Equivalency Testing (Item 16-20)
16-20	GTG	ETWG	1	Equivalence Testing Assuming Change in Process (From Item 11-40)	Handout	B. Krile will present this item, which will include the results of recent simulations in which the merits and limitations of the Boeing SPC method, and the Battelle low values and sample
17-64	GTG	ETWG		Northrop Grumman Design Allowables for Additive Ti 6-4	Presentation	If available, a presentation will be made
FATWG - Fatigue Working Group						
17-52	GTG	FatWG		Review Section 9.6.1 - Load and Strain Control Fatigue	Status	D. Hall will lead discussion on this item.
17-62	GTG	FatWG	9	Revising Fatigue Requirement in Table 9.2.4	Status	D. Hall will present this item to modify the requirements in Table 9.2.4.
17-63	GTG	FatWG	9	Use of Box-Cox Transformation in the Fitting of Fatigue Data	Status	D. Hall will present status of this item.
GSG - Guidelines Steering Group						
18-01	GTG	ASG/ MATSSG / GSG	3	Environmentally Assisted Cracking in Aluminum Alloys (EASA SIB 2018-04)	Status	MATSSG, ASG, to discuss and possibly close after documentation

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
MATSSG - Materials and Testing Services Steering Group						
15-46	GTG	MATSSG	9	Cross-Sectional Information Requirement for Extrusions	Agenda	J. Rubadue will prepare an agenda item
18-04	GTG	MATSSG	9	Determine Minimum Thickness for Die-forging Bearing Tests	Agenda	G. Bray, Arconic, prepared this agenda item which adds clarifications to Sections 1.4.7.2, 9.2.3.2 and 9.2.3.3..
18-05	GTG	MATSSG	9	Data Quantities for Large Gage Ranges	Agenda	This agenda will be discussed in MATSSG.
12-17	MTG	MATSSG	6	Footnote for Non-Ferrous Alloys Test Specimen When Not From Full Thickness	Status	This item is on hold until Item 12-16 is done.
13-35	MTG	MATSSG	6	Upgrade S-Basis to A- and B-Basis for 718 Bar Nickel-Base Alloys per AMS 5962	Agenda	J. Rubadue will prepare an agenda item
16-32	MTG	MATSSG	3	Mechanical Properties for 7097-T7651 Aluminum Alloy Plate	Agenda	C. Shannon will present this agenda item. The design properties were previously approved and included in the 31st meeting minutes. This item adds the remainder of the new section and stress-strain curves.
17-69	GTG	ASG/ MATSSG	9	Pairing of Tensile Coupon with Shear and Bearing Orientations	Status	The 31st agenda item will be discussed at this meeting.
15-40	GTG	ASG/ MATSSG	9	Guidelines for When Specimens Are Not From Full Thickness	Status	This item is related to Item 12-16 and will be discussed by new steel working group listed with that item.
12-16	MTG	ASG/ MATSSG	2	Footnote for Steel When Test Specimen is Not From Full Thickness	Status	D. Hall will present status of this item.
15-51	GTG	ASG/ MATSSG / GSG	9	Periodic Testing of Materials for Derived Properties	Handout	D. Hall will present this item. Propose to Close with No Action
17-26	GTG	ASG/ MATSSG / PSG	9	Guidelines for Generation and Use of A/B Allowables for Castings	Handout	D. Hall will review this handout item.
18-01	GTG	ASG/ MATSSG / GSG	3	Environmentally Assisted Cracking in Aluminum Alloys (EASA SIB 2018-04)	Status	MATSSG, ASG, to discuss and possibly close after documentation
PSG - Propulsion Steering Group						
12-89	GTG	PSG		Target Materials for Propulsion Applications	Status	D. Hall will present status of this item.
14-61	GTG	PSG	9	Update Creep Guidelines	On Hold	D. Hall will propose closing of this item with no action since the focus has shifted to a Chapter 1 revision, which is now being covered under Item 18-09.
16-23	GTG	PSG	6	Re-evaluate Guidelines for Effect of Temperature Curves	Status	D. Hall will present the results of recent assessments of alternative approaches for development of effect of temperature curves.
17-33	GTG	PSG	9	Alternative Fitting Function for Effect of Temperature Data	Status	D. Hall will review this item.
17-55	MTG	PSG		Supplemental Data for Ti-6-2-4-2 Forging	Status	D. Hall will review the amount of fatigue, creep and crack growth data that is available. Depending on the results of the 2018 ballot there may be some progress to report on, as well.
SSWG - Stress Strain Working Group						
17-34	GTG	SSWG	9	Guidelines for Rejection of Stress-Strain Curves from Parametric Analysis	Status	C. Shannon will provide a status report on this low priority item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
WWG - Welding Working Group						
18-07	FTG	WWG	8	Review of Inconsistencies in Table 8.2.2.1.2(d) for Spot-Weld Joints	Agenda	C. Shannon will present this item. This was Table 8.2.2.3.2(d) prior to MMPDS-13.
04-21	FTG		8	Fastener Tables of Sunset Review Interest	On Hold	No effort expected at this time
08-23	FTG		8	Sunset Review of Table 8.1.3.2.2(c), NAS1921C	On Hold	No effort expected at this time
09-13	FTG		8	Sunset Review of Table 8.1.3.2.3(a), MS21140	Status	C. Shannon will present status of this item More shear data are requested.
11-38	FTG		8	Sunset Review of Flush Head, Mechanical Lock Spindle Blind Rivet Table 8.1.3.2.2(e) NAS 1921 M	On Hold	No effort expected at this time
11-43	FTG		8	Supporting Data and Basis Identification for Table 8.1.2(b)	Status	C. Shannon will present the status of this item More data are requested
14-28	FTG		8	Sunset Review of Table 8.1.4.2(i), LGPL2SC-V Pin, 3SLC-C Collar in Clad 7075-T6	Status	No effort expected at this time
16-12	FTG			Identifying Basis of Fastener Shear Strength on Remaining Tables	Status	The identified tables of interest are having their shear data reviewed by the table owner. New data, where applicable, is being requested.
16-13	FTG		8	Corrections to Table 8.1.3.2.2(c) NAS 1921C	Status	C. Shannon will present the status of this item
17-31	FTG		9	Sunset Shear Strength Rule Criteria Addition	Handout	C. Shannon will present this agenda item at the GTG meeting.
18-18	FTG		8	Update AMS-QQ-A-250/4 in Table 8.2.2.1.2(a) (MMPDS-13)	Agenda	C. Shannon will present this agenda item in the FTG.
13-50	GTG		9	ASTM Coordination	Status	D. Hall will present status of this item. H. Jesequel, G. Bray, & S. Thompson may contribute, too.
14-19	GTG		9	Inclusion of Kisi Fracture Toughness Data	Status	D. Hall will present status on this item
14-62	GTG		9	Evaluate Inclusion of other Fracture Toughness Data (JIC, KJIC)	Agenda	D. Hall will present this agenda item
15-34	GTG		9	Stress-Strain Curve Extension	Agenda	C. Shannon will present this item, which will include some proposed guidelines on when to use the Bron analytical method for extending a typical stress-strain curve to the
15-36	GTG		9	Modification of Indirect Analysis Equation	Agenda	B. Krile will present this item to review the results of a review of several recent datasets, including several that contain sufficient derived properties to do the analysis directly and
15-37	GTG		9	Guidelines for Strain-Rate Sensitive Materials	Status	D. Hall will lead discussion on this item. The primary focus at this meeting will be on 1) clarification of the specific goals for this item and 2) availability of desired information regarding
15-38	GTG		9	Reevaluation of Degrees of Freedom Calculation for Regression with Effect of Temperature	Status	D. Hall will present this item, which will include example problems involving the current and proposed new method with several different sample sizes
16-02	GTG		9	Updates to Strain Departure Methods for Stress-Strain Curve Analyses	Status	C. Shannon will provide a brief update on why this item was first proposed. Since it is a low priority no action has been taken to date.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
16-24	GTG		9	Guidelines for Modulus When Average Value is Insufficient	Agenda	D. Hall will present this brief item.
16-34	GTG		9	Review Guideline on Stress-Strain Submittal for Number of Curves per Thickness Range	Agenda	C. Shannon will present this item, which will include proposed changes to Table 9.2.4.
16-41	GTG		9	Update Static Property Examples in Section 9.8.1	Agenda	J. Rubadue will present an agenda item with an initial draft showing results to date.
17-23	GTG		9	Legacy Alloy Review Strategy – Near Term	Status	D. Hall will review status of this item
17-25	GTG		9	Re-evaluation of Reduced Ratio Sample Size Determination	Agenda	D. Hall will review this brief item that will clarify the issues that led to establishment of this item, and he will seek clarification on the most important next steps, should funding be sufficient to pursue this item in more detail.
17-39	GTG			Stress-Strain Curve Working Group	Status	E. Hernandez will present status of this working group
17-44	GTG		9	Clarification of Ten-Lot Minimum Requirement for Derived Properties	Status	J. Ruaadue to present status.. Revision of Footnote (c) of Table 9.2.4.1 will be discussed at the meeting.
17-61	GTG		9	Revising R-curve Requirement in Table 9.2.4	Status	D. Hall will present this item to modify the requirements in Table 9.2.4. Currently, R-curve is required when included in the specification.
18-09	GTG		1	Update Creep Guidance in Chapter 1	Status	D. Hall will lead discussion of this item and attempt to clarify the issues of greatest importance in the revision of Chapter 1, Section 1.4.8
18-10	GTG		9	Data Requirements for Forgings	Status	This item will be discussed in the GTG.
18-12	GTG		9	Guidelines for Smooth Transition of Properties Across Thickness Ranges	Status	B. Krile will present the status of this item
18-13	GTG		9	Guidelines for Exclusion of Low Secondary Property Test Values	Status	J. Rubadue will present status on this item
18-15	GTG		9	Guidelines for Non-Monotonic Stress-Strain Response	Status	C. Shannon will present status on this item
NIN	GTG		9	Using the Logarithm Transformation with MIDAS Analysis of Minimum Properties	Presentation	J. Goodman, Arconic, will give this presentation during the GTG.
03-14	MTG		1	Review of Currency of Existing Database on Legacy Alloys	Agenda	J. Rubadue will prepare an agenda item
10-14	MTG		3	Wrought Aluminum Alloys with S-Basis Minimums	Agenda	J. Rubadue will prepare an agenda item
10-15	MTG		3	Mechanical Properties for Aluminum Alloy Forgings	Status	2219-T852 Hand Forgings has been assigned Item 18-21 for analysis with data from 2 suppliers. Data for 6061-T652 Hand Forging per AMS4248 is requested. This is currently not in
10-17	MTG		3	Re-evaluate Legacy Alloy Stress-Strain Curves in Chapter 3	On Hold	No effort expected at this time

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
11-05	MTG		1	AMS Coordination	Status	The next AMS Metals Committee Meeting will be held the week following the MMPDS Meeting, September 17-20, in Minneapolis, MN.
11-15	MTG		2	Division of Low Alloy Steel Table 2.3.1.0(g2)	Status	No effort is expected to be made on this item.
12-44	MTG		5	Design Allowable Properties for Ti-3Al-2.5V Tubing	Status	Progress on this item will begin as soon as requested data has been obtained from Sandvik and Haynes. Both companies have indicated willingness to submit data, but have not yet
12-45	MTG		2	21-6-9 (Nitronic 40) Tubing	Status	Data are requested for AMS5561 tubing. If data are received in time, an agenda item will be prepared.
13-32	MTG		3	Bearing Strength Reduction for Edgewise Orientation from Extruded Bar	Status	This item is on hold until data from additional alloys are received.
13-34	MTG		5	Addition of AMS 4919 Ti-6-2-4-2 Plate Properties	Status	Data are expected from ATI, Arconic, and AFRL. If data are received in time, an agenda will be prepared.
13-43	MTG		3	Addition of ST Bearing Properties for 7085-T7451 Plate	Status	If data are received in time, an agenda item will be prepared.
14-24	MTG		4 thru 7	Identification of Stress-Strain Curves Which Have Been Evaluated for 2-Shape Factor for Chapters 4-7	Status	No effort expected at this time
14-66	MTG		2	Addition of 15-5PH Sheet S-Basis per AMS 5862 for H1025 Condition	Status	Data are needed.
14-67	MTG		3	Addition of 3-6 Inch Range for 7075-T73X Bar and Rod per AMS 4124	Status	Data are needed.
15-13	MTG		multi	Clarification of Shear Orientation for Legacy Alloys	Agenda	J. Rubadue will present this agenda item for 7075-T73 sheet.
15-42	MTG		3	Casting Allowables for 15-5PH and 17-4PH steel	Status	D. Hall will present the status of this item.
16-30	MTG		2	AM-355 Stainless Steel in SCT850 Condition	Status	No effort is expected to be expended on this item. No one is using this condition right now.
16-40	MTG		7	Estimated Values in Table 7.3.2.0(c) Copper Beryllium Strip	Status	No effort is expected to be expended on this item.
17-09	MTG		3	Fatigue Curves for 2099-T83 Extrusion	Status	D. Hall will provide a status report. No action due to low priority.
17-10	MTG		4	Fatigue Curve for 2099-T81 Extrusion	Status	D. Hall will provide a status report. No action due to low priority.
17-19	MTG		2	Addition of Transverse Bearing Strength Properties for Custom 465 Bar	Status	If data are received in time, an agenda item will be prepared.
17-41	MTG		3	R-Curve for Alclad 2029-T8 Aluminum Alloy Sheet	Handout	D. Hall will review this item.
17-43	MTG		3	R-Curves for 2624-T39 and T351 Aluminum Alloy Plate	Agenda	D. Hall will review this item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
17-45	MTG		3	Effect of Temperature Curves for 2395-T84 Extrusion	Status	D. Hall will review this item.
17-54	MTG		3	Inclusion of Properties for AMS 4221, 2124-T8151 Plate	Status	Data are requested.
17-56	MTG			FCG Analysis for 2397-T87 Plate	Status	D. Hall will review the amount of crack growth data that is available. Depending on the results of the 2018 ballot there may be some progress to report on, as well.
17-57	MTG			Re-evaluate Fatigue Analysis for 2024-T4 Multiple Product Forms	Status	D. Hall will present status of this item
17-58	MTG			How Casting Specification Work	On Hold	No effort expected at this time
18-08	MTG		6	718 Investment Cast (AMS5383) Addition of Tensile A/B-basis and Elevated Temperature	Handout	D. Hall will present this handout item
18-11	MTG		3	Stress-Strain Curves for 2050-T852 Aluminum Alloy Die Forging 4.000-6.000 inch	Status	C. Shannon will present status on this item. Aubert & Duval provided original data but additional data is needed to complete the analysis
18-14	MTG		3	Addition of A206.0-T4 and T71 Sand Casting Stress-Strain Curves, Physical Properties, and Fatigue Analyses	Handout	D. Hall will present this item.
18-16	MTG		3	Full-Range Stress-Strain Curves for 2050-T852 Aluminum Alloy Die Forging	Agenda	C. Shannon will present this agenda item
18-17	MTG		3	Design Allowable Properties for 7160-T7651 Aluminum Alloy Plate	Agenda	J. Rubadue will present this agenda item.
18-19	MTG		5	Legacy Confirmation for Ti-6-4 Investment Castings per AMS4992	Status	This item is a spin-off from Item 03-14. Data are available from Howmet and PCC. If there is sufficient time for an analysis, an agenda item will be prepared.
18-20	MTG		3	Upgrade S-Basis to A- and B-Basis 7075-T76, T7651 Bare and Clad Sheet and Plate	Status	This item is a spin-off from Item 10-14. Data are available from Aleris, Alcoa, AMAG, and Kaiser. If there is sufficient time for an analysis, an agenda item will be prepared.
18-21	MTG		3	Upgrade S-basis to A/B-basis for 2219-T852 Aluminum Alloy Hand Forgings	Status	This item is a spin-off from Item 10-15. Data are available from Weber and Alcoa. If there is sufficient time for analysis, an agenda item will be prepared.
18-22	MTG		3	Legacy Confirmation and Upgrade to A- and B-basis for 7075-T76511 Extrusion	Status	This item is a spin-off from Items 03-14 and 10-15. Data are available from Alcan, Kaiser, and Universal Alloy. If there is sufficient time for analysis, an agenda item will be prepared.
18-23	MTG		3	Upgrade of 7XXX Series Fatigue Curves	Agenda	D. Hall will present this agenda item.
18-24	MTG		5	Contemporary Tension and Compression Modulus Data for Ti-6Al-4V Annealed Sheet	Agenda	Boeing submitted this agenda item to add modulus values for sheet properties.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Steering and Working Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
18-25	MTG		3	Proposal for AA/ANSI Alloy Designation System for Aluminum Alloy Powder and Parts	Presentation	G. Bray, Arconic will give this presentation during the MTG. Feedback is requested on the proposed designation for aluminum powders.
NIN	MTG		6	Secondary Properties for 718 Bar per AMS 5662 and AMS 5663	Status	Compression, shear, and bearing data are requested.
NIN	MTG		3	Introduction to AA7160: A New Family of High Strength, High Toughness, and Corrosion Resistant Plate by Scott Buchwald	Presentation	S. Buchwald, Constellium, will give this presentation during the MTG on two new tempers of 7160 aluminum alloy.
NIN	MTG		4	Introduction to Elektron 21 (EV31A) Billet and Slab for Machine from Solid Applications	Presentation	D. Cleveland, Luxfer, will give this presentation during the MTG.
10-25	GTG-F	FTG	9	Fastener Installation Parameters for Joint Tension Allowables	Status	C. Shannon will present the status of this item if we have received Boeing's example problems.
12-50	GTG-F	FTG	9	Evaluation of new Regression and Confidence Models for Lap Joint Tests	Status	C. Shannon will present the status of this item
12-52	GTG-F	FTG	9	Fastener Minimum t/D Requirements	Status	C. Shannon will present the status of this item
12-105	GTG-F	FTG	9	Modification to the Sunset Criteria Procedures	Status	C. Shannon will present status on this item at the FTG
15-19	GTG-F	FTG	9	Verification of Secondary Modulus Methods for Fasteners	Status	C. Shannon will present the status of this item
16-36	GTG-F	FTG	9	Use of T99 as A-Basis When Higher than Specification for Fastener Shear and Tension	Handout	C. Shannon will present this agenda item.
16-37	GTG-F	FTG	1	Chapter 1 Guidelines on Fastener Design Allowable Usage	Handout	C. Shannon will present this agenda item at the GTG meeting.
17-28	GTG-F	FTG	9	Consideration of Origin in Multiple Regression Analysis for Joint Allowables	Presentation	Jay Goodman will provide a presentation to the FTG on alternate models that can be used to include the origin.
17-29	GTG-F	FTG	9	Replacement of T90 Yield Curve with a Multiple-Regression Typical Yield Curve for Joint Allowables	On Hold	No effort is expected to be spent on this item at this time.
17-30	GTG-F	FTG	9	Revision of Table Format for Joint Allowables	On Hold	No effort is expected to be spent on this item at this time.
17-32	GTG-F	FTG	8	Edit Table 8.1.5.1	Agenda	C. Shannon will present this agenda item at the GTG meeting.
17-47	GTG-F	FTG	9	Clarification of Guidance for Normal/Censored Normal Analysis	Status	C. Shannon will discuss with FTG to determine the intent of this item. Also review item 15-17 from the 30th meeting.
18-06	GTG-F	FTG	9	Revision of Figure 9.3.4.4 Failure Codes for Fasteners	Handout	C Shannon will present this agenda item at the FTG meeting

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
FTG - FASTENER TASK GROUP						
04-21	FTG		8	Fastener Tables of Sunset Review Interest	On Hold	No effort expected at this time
08-23	FTG		8	Sunset Review of Table 8.1.3.2.2(c), NAS1921C	On Hold	No effort expected at this time
09-13	FTG		8	Sunset Review of Table 8.1.3.2.3(a), MS21140	Status	C. Shannon will present status of this item More shear data are requested.
11-38	FTG		8	Sunset Review of Flush Head, Mechanical Lock Spindle Blind Rivet Table 8.1.3.2.2(e) NAS 1921 M	On Hold	No effort expected at this time
11-43	FTG		8	Supporting Data and Basis Identification for Table 8.1.2(b)	Status	C. Shannon will present the status of this item More data are requested
14-28	FTG		8	Sunset Review of Table 8.1.4.2(i), LGPL2SC-V Pin, 3SLC-C Collar in Clad 7075-T6	Status	No effort expected at this time
16-12	FTG			Identifying Basis of Fastener Shear Strength on Remaining Tables	Status	The identified tables of interest are having their shear data reviewed by the table owner. New data, where applicable, is being requested.
16-13	FTG		8	Corrections to Table 8.1.3.2.2(c) NAS 1921C	Status	C. Shannon will present the status of this item
17-31	FTG		9	Sunset Shear Strength Rule Criteria Addition	Handout	C. Shannon will present this agenda item at the GTG meeting.
18-07	FTG	WWG	8	Review of Inconsistencies in Table 8.2.2.1.2(d) for Spot-Weld Joints	Agenda	C. Shannon will present this item. This was Table 8.2.2.3.2(d) prior to MMPDS-13.
18-18	FTG		8	Update AMS-QQ-A-250/4 in Table 8.2.2.1.2(a) (MMPDS-13)	Agenda	C. Shannon will present this agenda item in the FTG.
GTG - GUIDELINES TASK GROUP						
12-89	GTG	PSG		Target Materials for Propulsion Applications	Status	D. Hall will present status of this item.
13-50	GTG		9	ASTM Coordination	Status	D. Hall will present status of this item. H. Jesequel, G. Bray, & S. Thompson may contribute, too.
14-19	GTG		9	Inclusion of Kisi Fracture Toughness Data	Status	D. Hall will present status on this item
14-61	GTG	PSG	9	Update Creep Guidelines	On Hold	D. Hall will propose closing of this item with no action since the focus has shifted to a Chapter 1 revision, which is now being covered under Item 18-09.
14-62	GTG		9	Evaluate Inclusion of other Fracture Toughness Data (JIC, KJIC)	Agenda	D. Hall will present this agenda item
15-34	GTG		9	Stress-Strain Curve Extension	Agenda	C. Shannon will present this item, which will include some proposed guidelines on when to use the Bron analytical method for extending a typical stress-strain curve to the ultimate strength.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
15-36	GTG		9	Modification of Indirect Analysis Equation	Agenda	B. Krile will present this item to review the results of a review of several recent datasets, including several that contain sufficient derived properties to do the analysis directly and indirectly.
15-37	GTG		9	Guidelines for Strain-Rate Sensitive Materials	Status	D. Hall will lead discussion on this item. The primary focus at this meeting will be on 1) clarification of the specific goals for this item and 2) availability of desired information regarding testing strain rates Propose close with "Close with No Action"?
15-38	GTG		9	Reevaluation of Degrees of Freedom Calculation for Regression with Effect of Temperature	Status	D. Hall will present this item, which will include example problems involving the current and proposed new method with several different sample sizes
15-40	GTG	ASG/ MATSSG	9	Guidelines for When Specimens Are Not From Full Thickness	Status	This item is related to Item 12-16 and will be discussed by new steel working group listed with that item.
15-46	GTG	MATSSG	9	Cross-Sectional Information Requirement for Extrusions	Agenda	J. Rubadue will prepare an agenda item
15-51	GTG	ASG/ MATSSG / GSG	9	Periodic Testing of Materials for Derived Properties	Handout	D. Hall will present this item. Propose to Close with No Action
16-02	GTG		9	Updates to Strain Departure Methods for Stress-Strain Curve Analyses	Status	C. Shannon will provide a brief update on why this item was first proposed. Since it is a low priority no action has been taken to date.
16-15	GTG	ETWG	9	Emerging Technology Working Group	Agenda	D. Hall will present this agenda item. See the Agenda for the ETWG meeting. Review progress by the Volume II Working Group Discussion of Equivalency Testing (Item 16-20) Test Matrix "Table 9.2.4"
16-20	GTG	ETWG	1	Equivalence Testing Assuming Change in Process (From Item 11-40)	Handout	B. Krile will present this item, which will include the results of recent simulations in which the merits and limitations of the Boeing SPC method, and the Battelle low values and sample size limited methods.
16-23	GTG	PSG	6	Re-evaluate Guidelines for Effect of Temperature Curves	Status	D. Hall will present the results of recent assessments of alternative approaches for development of effect of temperature curves.
16-24	GTG		9	Guidelines for Modulus When Average Value is Insufficient	Agenda	D. Hall will present this brief item.
16-29	GTG	ASG	1	Review of Section 1.4.7 Bearing Properties	Status	D. Hall will lead discussion of this item. ASG needs to review and offer a revision to the proposed text.
16-34	GTG		9	Review Guideline on Stress-Strain Submittal for Number of Curves per Thickness Range	Agenda	C. Shannon will present this item, which will include proposed changes to Table 9.2.4.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
16-41	GTG		9	Update Static Property Examples in Section 9.8.1	Agenda	J. Rubadue will present an agenda item with an initial draft showing results to date.
17-23	GTG		9	Legacy Alloy Review Strategy – Near Term	Status	D. Hall will review status of this item
17-25	GTG		9	Re-evaluation of Reduced Ratio Sample Size Determination	Agenda	D. Hall will review this brief item that will clarify the issues that led to establishment of this item, and he will seek clarification on the most important next steps, should funding be sufficient to pursue this item in more detail.
17-26	GTG	/MATSSG	9	Guidelines for Generation and Use of A/B Allowables for Castings	Handout	D. Hall will review this handout item.
17-33	GTG	PSG	9	Alternative Fitting Function for Effect of Temperature Data	Status	D. Hall will review this item.
17-34	GTG	SSWG	9	Guidelines for Rejection of Stress-Strain Curves from Parametric Analysis	Status	C. Shannon will provide a status report on this low priority item.
17-39	GTG			Stress-Strain Curve Working Group	Status	E. Hernandez will present status of this working group
17-44	GTG		9	Clarification of Ten-Lot Minimum Requirement for Derived Properties	Status	J. Ruadue to present status.. Revision of Footnote (c) of Table 9.2.4.1 will be discussed at the meeting.
17-52	GTG	FatWG		Review Section 9.6.1 - Load and Strain Control Fatigue	Status	D. Hall will lead discussion on this item.
17-61	GTG		9	Revising R-curve Requirement in Table 9.2.4	Status	D. Hall will present this item to modify the requirements in Table 9.2.4. Currently, R-curve is required when included in the specification.
17-62	GTG	FatWG	9	Revising Fatigue Requirement in Table 9.2.4	Status	D. Hall will present this item to modify the requirements in Table 9.2.4.
17-63	GTG	FatWG	9	Use of Box-Cox Transformation in the Fitting of Fatigue Data	Status	D. Hall will present status of this item.
17-64	GTG	ETWG		Northrop Grumman Design Allowables for Additive Ti 6-4	Presentation	If available, a presentation will be made
17-69	GTG	SG, MATSS	9	Pairing of Tensile Coupon with Shear and Bearing Orientations	Status	The 31st agenda item will be discussed at this meeting.
18-01	GTG	ASG, MA	3	Environmentally Assisted Cracking in Aluminum Alloys (EASA SIB 2018-04)	Status	MATSSG, ASG, to discuss and possibly close after documentation
18-04	GTG	MATSSG	9	Determine Minimum Thickness for Die-forging Bearing Tests	Agenda	G. Bray, Arconic, prepared this agenda item which adds clarifications to Sections 1.4.7.2, 9.2.3.2 and 9.2.3.3..
18-05	GTG	MATSSG	9	Data Quantities for Large Gage Ranges	Agenda	This agenda will be discussed in MATSSG.
18-09	GTG		1	Update Creep Guidance in Chapter 1	Status	D. Hall will lead discussion of this item and attempt to clarify the issues of greatest importance in the revision of Chapter 1, Section 1.4.8
18-10	GTG		9	Data Requirements for Forgings	Status	This item will be discussed in the GTG.
18-12	GTG		9	Guidelines for Smooth Transition of Properties Across Thickness Ranges	Status	B. Krile will present the status of this item

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
18-13	GTG		9	Guidelines for Exclusion of Low Secondary Property Test Values	Status	J. Rubadue will present status on this item
18-15	GTG		9	Guidelines for Non-Monotonic Stress-Strain Response	Status	C. Shannon will present status on this item
NIN	GTG		9	Using the Logarithm Transformation with MIDAS Analysis of Minimum Properties	Presentation	J. Goodman, Arconic, will give this presentation during the GTG.
GTG-F - GUIDELINES TASK GROUP - FASTENER						
10-25	GTG-F	FTG	9	Fastener Installation Parameters for Joint Tension Allowables	Status	C. Shannon will present the status of this item if we have received Boeing's example problems.
12-50	GTG-F	FTG	9	Evaluation of new Regression and Confidence Models for Lap Joint Tests	Status	C. Shannon will present the status of this item
12-52	GTG-F	FTG	9	Fastener Minimum t/D Requirements	Status	C. Shannon will present the status of this item
12-105	GTG-F	FTG	9	Modification to the Sunset Criteria Procedures	Status	C. Shannon will present status on this item at the FTG
15-19	GTG-F	FTG	9	Verification of Secondary Modulus Methods for Fasteners	Status	C. Shannon will present the status of this item
16-36	GTG-F	FTG	9	Use of T99 as A-Basis When Higher than Specification for Fastener Shear and Tension	Handout	C. Shannon will present this agenda item.
16-37	GTG-F	FTG	1	Chapter 1 Guidelines on Fastener Design Allowable Usage	Handout	C. Shannon will present this agenda item at the GTG meeting.
17-28	GTG-F	FTG	9	Consideration of Origin in Multiple Regression Analysis for Joint Allowables	Presentation	Jay Goodman will provide a presentation to the FTG on alternate models that can be used to include the origin.
17-29	GTG-F	FTG	9	Replacement of T90 Yield Curve with a Multiple-Regression Typical Yield Curve for Joint Allowables	On Hold	No effort is expected to be spent on this item at this time.
17-30	GTG-F	FTG	9	Revision of Table Format for Joint Allowables	On Hold	No effort is expected to be spent on this item at this time.
17-32	GTG-F	FTG	8	Edit Table 8.1.5.1	Agenda	C. Shannon will present this agenda item at the GTG meeting.
17-47	GTG-F	FTG	9	Clarification of Guidance for Normal/Censored Normal Analysis	Status	C. Shannon will discuss with FTG to determine the intent of this item. Also review item 15-17 from the 30th meeting.
18-06	GTG-F	FTG	9	Revision of Figure 9.3.4.4 Failure Codes for Fasteners	Handout	C Shannon will present this agenda item at the FTG meeting
MTG - MATERIALS TASK GROUP						
03-14	MTG		1	Review of Currency of Existing Database on Legacy Alloys	Agenda	J. Rubadue will prepare an agenda item
10-13	MTG	ASG	2	Wrought Steels S-Basis Summary	Status	No effort is expected to be made on this item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
10-14	MTG		3	Wrought Aluminum Alloys with S-Basis Minimums	Agenda	J. Rubadue will prepare an agenda item
10-15	MTG		3	Mechanical Properties for Aluminum Alloy Forgings	Status	2219-T852 Hand Forgings has been assigned Item 18-21 for analysis with data from 2 suppliers. Data for 6061-T652 Hand Forging per AMS4248 is requested. This is currently not in MMPDS.
10-17	MTG		3	Re-evaluate Legacy Alloy Stress-Strain Curves in Chapter 3	On Hold	No effort expected at this time
11-05	MTG		1	AMS Coordination	Status	The next AMS Metals Committee Meeting will be held the week following the MMPDS Meeting, September 17-20, in Minneapolis, MN.
11-15	MTG		2	Division of Low Alloy Steel Table 2.3.1.0(g2)	Status	No effort is expected to be made on this item.
12-16	MTG	ASG/ MATSSG	2	Footnote for Steel When Test Specimen is Not From Full Thickness	Status	D. Hall will present status of this item.
12-17	MTG	MATSSG	6	Footnote for Non-Ferrous Alloys Test Specimen When Not From Full Thickness	Status	This item is on hold until Item 12-16 is done.
12-44	MTG		5	Design Allowable Properties for Ti-3Al-2.5V Tubing	Status	Progress on this item will begin as soon as requested data has been obtained from Sandvik and Haynes. Both companies have indicated willingness to submit data, but have not yet
12-45	MTG		2	21-6-9 (Nitronic 40) Tubing	Status	Data are requested for AMS5561 tubing. If data are received in time, an agenda item will be prepared.
13-32	MTG		3	Bearing Strength Reduction for Edgewise Orientation from Extruded Bar	Status	This item is on hold until data from additional alloys are received.
13-34	MTG		5	Addition of AMS 4919 Ti-6-2-4-2 Plate Properties	Status	Data are expected from ATI, Arconic, and AFRL. If data are received in time, an agenda will be prepared.
13-35	MTG	MATSSG	6	Upgrade S-Basis to A- and B-Basis for 718 Bar Nickel-Base Alloys per AMS 5962	Agenda	J. Rubadue will prepare an agenda item
13-43	MTG		3	Addition of ST Bearing Properties for 7085-T7451 Plate	Status	If data are received in time, an agenda item will be prepared.
14-24	MTG		4 thru 7	Identification of Stress-Strain Curves Which Have Been Evaluated for 2-Shape Factor for Chapters 4-7	Status	No effort expected at this time
14-66	MTG		2	Addition of 15-5PH Sheet S-Basis per AMS 5862 for H1025 Condition	Status	Data are needed.
14-67	MTG		3	Addition of 3-6 Inch Range for 7075-T73X Bar and Rod per AMS 4124	Status	Data are needed.
15-13	MTG		multi	Clarification of Shear Orientation for Legacy Alloys	Agenda	J. Rubadue will present this agenda item for 7075-T73 sheet.
15-42	MTG		3	Casting Allowables for 15-5PH and 17-4PH steel	Status	D. Hall will present the status of this item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
16-10	MTG	ASG	3	Legacy Alloy 7075-T6 Indirect Properties Update	Agenda	J. Rubadue will prepare an agenda item for both bare and clad sheet.
16-22	MTG	ASG	multi	Identification of Forging Types for Tables with A- and B-basis	Agenda	J. Rubadue will prepare an agenda item. The ASG would like to discuss rewording of footnotes when material is from forged billet.
16-30	MTG		2	AM-355 Stainless Steel in SCT850 Condition	Status	No effort is expected to be expended on this item. No one is using this condition right now.
16-32	MTG	MATSSG	3	Mechanical Properties for 7097-T7651 Aluminum Alloy Plate	Agenda	C. Shannon will present this agenda item. The design properties were previously approved and included in the 31st meeting minutes. This item adds the remainder of the new section and stress-strain curves.
16-40	MTG		7	Estimated Values in Table 7.3.2.0(c) Copper Beryllium Strip	Status	No effort is expected to be expended on this item.
17-09	MTG		3	Fatigue Curves for 2099-T83 Extrusion	Status	D. Hall will provide a status report. No action due to low priority.
17-10	MTG		4	Fatigue Curve for 2099-T81 Extrusion	Status	D. Hall will provide a status report. No action due to low priority.
17-19	MTG		2	Addition of Transverse Bearing Strength Properties for Custom 465 Bar	Status	If data are received in time, an agenda item will be prepared.
17-41	MTG		3	R-Curve for Alclad 2029-T8 Aluminum Alloy Sheet	Handout	D. Hall will review this item.
17-43	MTG		3	R-Curves for 2624-T39 and T351 Aluminum Alloy Plate	Agenda	D. Hall will review this item.
17-45	MTG		3	Effect of Temperature Curves for 2395-T84 Extrusion	Status	D. Hall will review this item.
17-54	MTG		3	Inclusion of Properties for AMS 4221, 2124-T8151 Plate	Status	Data are requested.
17-55	MTG	PSG		Supplemental Data for Ti-6-2-4-2 Forging	Status	D. Hall will review the amount of fatigue, creep and crack growth data that is available. Depending on the results of the 2018 ballot there may be some progress to report on, as well.
17-56	MTG			FCG Analysis for 2397-T87 Plate	Status	D. Hall will review the amount of crack growth data that is available. Depending on the results of the 2018 ballot there may be some progress to report on, as well.
17-57	MTG			Re-evaluate Fatigue Analysis for 2024-T4 Multiple Product Forms	Status	D. Hall will present status of this item
17-58	MTG			How Casting Specification Work	On Hold	No effort expected at this time
18-08	MTG		6	718 Investment Cast (AMS5383) Addition of Tensile A/B-basis and Elevated Temperature	Handout	D. Hall will present this handout item
18-11	MTG		3	Stress-Strain Curves for 2050-T852 Aluminum Alloy Die Forging 4.000-6.000 inch	Status	C. Shannon will present status on this item. Aubert & Duval provided original data but additional data is needed to complete the analysis
18-14	MTG		3	Addition of A206.0-T4 and T71 Sand Casting Stress-Strain Curves, Physical Properties, and Fatigue Analyses	Handout	D. Hall will present this item.

32nd MMPDS Coordination Meeting

AGENDA ITEM SUMMARY

Sorted By Task Group

Item No	Responsible Group		Chpt	Title	Type	32nd Meeting Description
	Final	Initial				
18-16	MTG		3	Full-Range Stress-Strain Curves for 2050-T852 Aluminum Alloy Die Forging	Agenda	C. Shannon will present this agenda item
18-17	MTG		3	Design Allowable Properties for 7160-T7651 Aluminum Alloy Plate	Agenda	J. Rubadue will present this agenda item.
18-19	MTG		5	Legacy Confirmation for Ti-6-4 Investment Castings per AMS4992	Status	This item is a spin-off from Item 03-14. Data are available from Howmet and PCC. If there is sufficient time for an analysis, an agenda item will be prepared.
18-20	MTG		3	Upgrade S-Basis to A- and B-Basis 7075-T76, T7651 Bare and Clad Sheet and Plate	Status	This item is a spin-off from Item 10-14. Data are available from Aleris, Alcoa, AMAG, and Kaiser. If there is sufficient time for an analysis, an agenda item will be prepared.
18-21	MTG		3	Upgrade S-basis to A/B-basis for 2219-T852 Aluminum Alloy Hand Forgings	Status	This item is a spin-off from Item 10-15. Data are available from Weber and Alcoa. If there is sufficient time for analysis, an agenda item will be prepared.
18-22	MTG		3	Legacy Confirmation and Upgrade to A- and B-basis for 7075-T76511 Extrusion	Status	This item is a spin-off from Items 03-14 and 10-15. Data are available from Alcan, Kaiser, and Universal Alloy. If there is sufficient time for analysis, an agenda item will be prepared.
18-23	MTG		3	Upgrade of 7XXX Series Fatigue Curves	Agenda	D. Hall will present this agenda item.
18-24	MTG		5	Contemporary Tension and Compression Modulus Data for Ti-6Al-4V Annealed Sheet	Agenda	Boeing submitted this agenda item to add modulus values for sheet properties.
18-25	MTG		3	Proposal for AA/ANSI Alloy Designation System for Aluminum Alloy Powder and Parts	Presentation	G. Bray, Arconic will give this presentation during the MTG. Feedback is requested on the proposed designation for aluminum powders.
NIN	MTG		6	Secondary Properties for 718 Bar per AMS 5662 and AMS 5663	Status	Compression, shear, and bearing data are requested.
NIN	MTG		3	Introduction to AA7160: A New Family of High Strength, High Toughness, and Corrosion Resistant Plate by Scott Buchwald	Presentation	S. Buchwald, Constellium, will give this presentation during the MTG on two new tempers of 7160 aluminum alloy.
NIN	MTG		4	Introduction to Elektron 21 (EV31A) Billet and Slab for Machine from Solid Applications	Presentation	D. Cleveland, Luxfer, will give this presentation during the MTG.