

36th MMPDS Coordination Meeting



We cordially invite you to the MMPDS Coordination meeting that will take place at the Embassy Suites by Hilton Denver Tech Center North beginning Monday, September 21, 2020 at 8:00am through Thursday, September 24, 2020 at 5:00pm. A complete schedule has been included in this email. Because of the additional meetings that did not exist before, the meeting will now be four (4) full days.

Battelle is monitoring COVID-19 developments and conferring with the FAA and ISG chair and vice chair. Travel restrictions may force this meeting to be a virtual event. Registration will be required for a virtual event but there would be no charge in that case. Prices shown below are for the face-to-face option. More information will be provided after a final decision is made in late July.

This meeting brings together the top firms in the world for discussions on the direction and growth of the MMPDS Handbook. The Meeting will include individual meetings for Task Groups, Working Groups, and Steering Groups brought together to further the objectives of the Handbook. But that is not all. You are given the opportunity of working alongside aerospace corporations, large and small, to further the material designated for the MMPDS Handbook. By taking a prominent part, you are participating firsthand ensuring that your objectives and goals are critically laid out for all to consider.

AIRPORTS (Distance to Hotel):

Denver Intl - 18.25 Miles Northeast
Fort Collins Mncpl – 55 Miles North
Colorado Springs – 60.25 Miles South

HOTEL: Embassy Suites Denver Tech Center North; **GROUP NAME:** 36th MMPDS Coordination Meeting

The Meeting Rate for the hotel is per diem \$159. Parking is free for hotel guests. The rate will be available until September 2, 2020, after which the normal hotel rates will apply. The meeting rate will apply for up to 2 days before or 2 days after the meeting, upon availability.

(ctrl+click)

https://secure3.hilton.com/en_US/es/reservation/book.htm?inputModule=HOTEL&ctyhocn=DENHPES&spec_plan=CESXBM&arrival=20200919&departure=20200926&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT

REGISTRATION and PAYMENT

A link to the meeting registration page will be provided at a later date. The rates for meeting attendance in Denver are as follows:

ISG or GSG Member, early discount	1 date only \$ 300 USD	Two or more dates \$ 550 USD	If registered before 9/2/2020
Non- ISG or GSG Member, early discount	\$ 350 USD	\$ 600 USD	If registered before 9/2/2020
Rate if registered after 3/2/2020	\$ 425 USD	\$ 725 USD	Registration after 9/2/2020

NOTE: If a company is a subsidiary of an ISG member company, they are entitled to the ISG member rate.

FURTHER INFORMATION

For further information on the meeting hotel and/or registration, please contact scalf@battelle.org. For technical questions, please contact halld@battelle.org, or rubaduej@battelle.org in his absence.



36th MMPDS Coordination Meeting Preliminary Schedule

September 21-25, 2020 - Location: Virtual Option

Time	Monday	Tuesday	Wednesday	Thursday	Friday
	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep
7:30-8:00					
8:00 - 9:00					Executive Board
9:00 - 9:45	Orientation	FTG - Handouts	GTG - Handouts	MTG - Handouts	ETTG - Handouts
9:45-10:00	Break	Break	Break	Break	Break
10:00-11:00	ISG (members only) GSG (members only)	FTG - Agenda	GTG - Agenda	MTG - Agenda	ETTG - Agenda
11:00-11:15	Break	Break	Break	Break	Break
11:15-12:15	ISG (members only) GSG (members only)	GTG-F items	MTG - Agenda	ETTG - Agenda	GCC
12:15-12:30	Break	Break	Break	Break	Break
12:30-1:30	ISG/GSG	Handouts	Handouts	Handouts	Handouts
1:30	Adjourn	Adjourn	Adjourn	Adjourn	Adjourn
1:45-2:45	Executive Board				

Preliminary 36th MMPDS Coordination

SORTED BY ITEM NUMBER

Item No	Responsible		Chpt	Title	Type	Include in Virtual?	36th Meeting Description
	Final	Initial					
03-14	MTG	ASG	1	Review of Currency of Existing Database on Legacy Alloys	Status	No	J. Rubadue will give a status report.
04-21	FTG		8	Fastener Tables of Sunset Review Interest	On Hold	No	This item is on hold, pending items 12-50, 12-105, 17-28, and 17-29.
08-23	FTG		8	Sunset Review of Table 8.1.3.2.2(c), NAS1921C	On Hold	No	This item is on hold, pending items 12-50, 12-105, 17-28, and 17-29.
09-13	FTG		8	Sunset Review of Table 8.1.3.2.3(a), MS21140	On Hold	No	This item is on hold, pending items 12-50, 12-105, 17-28, and 17-29.
10-14	MTG	ASG	3	Wrought Aluminum Alloys with S-Basis Minimums	Status	No	J. Rubadue will give a status report.
10-15	MTG		3	Mechanical Properties for Forgings	Status	No	J. Rubadue will give a status report.
10-25	GTG-F	FTG	8	Fastener Installation Parameters for Joint Tension Allowables	Agenda	Yes	D. Hall will present this item.
11-05	MTG		1	AMS Coordination	Status	No	J. Rubadue will give a status report.
11-15	MTG		2	Division of Low Alloy Steel Table 2.3.1.0(g2)	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda 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	This item is on hold, pending items 12-50, 12-105, 17-28, and 17-29.
11-43	FTG		8	Supporting Data and Basis Identification for Table 8.1.2(b)	Status	No	C. Shannon will give a status report.
12-50	GTG-F	FTG	8	Evaluation of new Regression and Confidence Models for Lap Joint Tests	Status	No	C. Shannon will give a status report.
12-52	GTG-F	FTG	8	Fastener Minimum t/D Requirements	Agenda	Yes	C. Shannon will present this item.
12-89	MTG	PSG		Target Materials for Propulsion Applications	Status	No	D. Hall will give a status report.
12-17	MTG	ASG & MATSSG	6	Footnote for Non-Ferrous Alloys Test Specimen When Not From Full Thickness	Status	No	ASG & MATSSG to discuss if there are any non-ferrous alloys which need this footnote added.
12-105	GTG-F	FTG	8	Modification to the Sunset Criteria Procedures	Status	No	D. Hall will provide status on this item. Pending resolution of 12-50, 17-28
13-34	MTG		5	Addition of AMS 4919 Ti-6-2-4-2 Plate Properties	Status	No	No action on this item. Waiting on fatigue crack growth data from AFRL. Requested data from Arconic.
13-50	GTG		9	ASTM Coordination	Status	No	D. Hall will give a status report.
14-19	GTG		9	Inclusion of KIsi Fracture Toughness Data	Status	No	Has the new standard been approved?
14-28	FTG		8	Sunset Review of Table 8.1.4.2(i), LGPL2SC-V Pin, 3SLC-C Collar in Clad 7075-T6	On Hold	No	No action on this item.
14-62	GTG		9	Evaluate Inclusion of other Fracture Toughness Data (JIC, KJIC)	Handout	Yes	C. Reakes will present this item.
14-66	MTG		2	Addition of 15-5PH Sheet S-Basis per AMS 5862 for H1025 Condition	Status	No	Data are needed.
14-67	MTG		3	Addition of 3-6 Inch Range for 7075-T73X Bar and Rod per AMS 4124	Status	No	Data are needed.
15-13	MTG	ISG & GSG	multi	Clarification of Shear Orientation for Legacy Alloys	Agenda	No	J. Rubadue will present this item.
15-19	GTG-F	FTG	8	Verification of Secondary Modulus Methods for Fasteners	Status	No	C. Shannon will give a status report.
15-36	GTG	ISG & GSG	9	Modification of Indirect Analysis Equation	Agenda	Yes	B. Krile will present this item.
15-38	GTG		9	Reevaluation of Degrees of Freedom Calculation for Regression with Effect of Temperature	Status	No	D. Hall will give a status report.
15-40	GTG	ASG/MATSSG	9	Guidelines for When Specimens Are Not From Full Thickness	Agenda	Yes	J. Rubadue will review this item following discussion in ASG and MATSSG.

Preliminary 36th MMPDS Coordination

SORTED BY ITEM NUMBER

Item No	Responsible		Chpt	Title	Type	Include in Virtual?	36th Meeting Description
	Final	Initial					
15-42	MTG		2	Casting Allowables for 15-5PH and 17-4PH Steel	Agenda	No	J. Rubadue will present this item.
16-02	GTG		9	Updates to Strain Departure Methods for Stress-Strain Curve Analyses	Handout	No	C. Shannon will present this item.
16-12	FTG		8	Identifying Basis of Fastener Shear Strength on Remaining Tables	Status	No	C. Shannon will give a status report.
16-13	FTG		8	Corrections to Table 8.1.3.2.2(c) NAS 1921C	On Hold	No	This item is on hold, pending items 12-50, 12-105, 17-28, 17-29, and 08-23.
16-20	GTG	ETTG	V2	Equivalence Testing Assuming Change in Process (From Item 11-40)	Status	Yes	B. Krile will give a status report.
16-23	GTG	PSG	6	Re-evaluate Guidelines for Effect of Temperature Curves	Status	No	D. Hall will give a status report.
16-29	GTG	ASG	1	Review of Section 1.4.7 Bearing Properties	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
16-36	GTG-F	FTG	8	Use of T99 as A-Basis When Higher than Specification for Fastener Shear and Tension	Agenda	Yes	C. Shannon will present this item
16-37	GTG-F	FTG	1	Chapter 1 Guidelines on Fastener Design Allowable Usage	Agenda	Yes	C. Reakes will present this item.
17-19	MTG		2	Addition of Transverse Bearing Strength Properties for Custom 465 Bar	Status	Yes	Propose closing with no action. Carpenter does not intend to generate needed data.
17-23	GTG		9	Legacy Alloy Review Strategy – Near Term	On Hold	No	On hold till Fall 2020
17-25	GTG		9	Re-evaluation of Reduced Ratio Sample Size Determination	On Hold	No	On hold pending Item 15-36.
17-26	GTG	ASG/M ATSSG/ PSG	9	Guidelines for Generation and Use of A/B Allowables for Castings	Handout	Yes	D. Hall will lead discussion.
17-28	GTG-F	FTG	8	Consideration of Origin in Multiple Regression Analysis for Joint Allowables	Agenda	Yes	B. Krile will present this item.
17-29	GTG-F	FTG	8	Replacement of T90 Yield Curve with a Multiple-Regression Typical Yield Curve for Joint Allowables	Agenda	Yes	B. Krile will present this item.
17-30	GTG-F	FTG	8	Revision of Table Format for Joint Allowables	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
17-31	FTG		9	Sunset Shear Strength Rule Criteria Addition	Agenda	Yes	C. Shannon will present this item.
17-32	GTG-F	FTG	8	Edit Table 8.1.5.1	Agenda	No	C. Shannon will present this item.
17-34	GTG	SSWG	9	Guidelines for Rejection of Stress-Strain Curves from Parametric Analysis	Agenda	No	C. Shannon will present this item.
17-45	MTG		3	Effect of Temperature Curves for 2395-T84 Extrusion	Handout	No	D. Hall will present this item.
17-52	GTG	FatWG	9	Review Section 9.6.1 - Load and Strain Control Fatigue	Status	No	D. Hall will give a status report.
17-54	MTG		3	Inclusion of Properties for AMS 4221, 2124-T8151 Plate	Status	No	J. Rubadue will give a status report.
17-55	MTG	PSG	5	Supplemental Data for Ti-6-2-4-2 Forging	Status	No	D. Hall will give a status report.
17-56	MTG		3	FCG Analysis for 2397-T87 Plate	Status	No	D. Hall will give a status report.
17-61	GTG	FatWG	9	Revising R-curve Requirement in Table 9.2.4	Status	No	C. Reakes will give a status report.
17-62	GTG	FatWG	9	Revising Fatigue Requirement in Table 9.2.4	Status	No	D. Hall will give a status report.

Preliminary 36th MMPDS Coordination

SORTED BY ITEM NUMBER

Item No	Responsible		Chpt	Title	Type	Include in Virtual?	36th Meeting Description
	Final	Initial					
17-63	GTG	FatWG	9	Use of Box-Cox Transformation in the Fitting of Fatigue Data	Status	No	B. Krile will give a status report.
18-05	GTG	MATSS G	9	Data Quantities for Large Gage Ranges	Agenda	No	J. Rubadue will present this item. ASG & MATSSG need to review.
18-08	MTG		6	718 Investment Cast (AMS5383) Addition of Tensile A/B-basis and Elevated Temperature	Agenda	Yes	D. Hall will present this item.
18-10	GTG		9	Data Requirements for Forgings	On Hold	No	No action on this item.
18-13	GTG		9	Guidelines for Exclusion of Low Secondary Property Test Values	On Hold	No	On hold pending Item 15-36.
18-21	MTG		3	Upgrade S-basis to A/B-basis for 2219-T852 Aluminum Alloy Hand Forgings	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
18-28	GTG		9	Using the Logarithm Transformation with MIDAS Analysis of Minimum Properties	Agenda	Yes	C. Reakes will present this item.
19-04	GTG	ETT	V2	Considerations for Certifying an AM Part	Status	No	D. Hall will give a status report.
19-05	GTG		9	Secondary Properties Requirement When Expanding Thickness Range in a Table	Agenda	Yes	D. Hall will present this item.
19-10	MTG		6	Secondary Properties for 718 Bar per AMS 5662 and AMS 5663	Status	No	Data are needed.
19-17	GTG	ETT	V2	Minimum Content Requirements for Public Specifications - Volume II	Agenda	Yes	D. Hall will present this item.
19-19	GTG	FatWG	9	Consideration of a new Equivalent Stress model for Load-Controlled Fatigue	Status	No	D. Hall will give a status report.
19-20	GTG	ETT	V2	Data Requirements for Volume II	Agenda	Yes	D. Hall will present this item.
19-21	MTG		multi	Determine Buckling Notes for Existing Figures With Dual-Shape Parameters	Status	No	C. Shannon will give a status report.
19-25	GTG		9	Guidelines for Derived Properties for Legacy Alloys	Agenda	Yes	J. Rubadue will present this item. See Item 15-13 for examples where this guideline would be imposed.
19-33	MTG		3	Upgrade Bearing Strength from S- to A/-B-Basis 7075-T6 Bare Sheet	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
19-34	GTG	PSG	9	Waive Requirement for Bearing and/or Shear Properties When Appropriate	Status	No	D. Hall will give a status report.
19-35	GTG-F	FTG	8	Re-Evaluate R-Squared Acceptance Requirement for Fastener Shear or Tensile Strength Allowables	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
19-36	FTG		9	Update Section 9.2.4.7 Fastener Strength Table Sunset Clause	Status	No	C. Shannon will give a status report.
19-37	GTG-F	FTG	8	Establish a Guideline for Reinserting Chapter 8 Tables.	Status	No	C. Shannon will give a status report.
19-38	ETT		V2	Process Intensive Materials & Technologies SDO Coordination	Status	No	D. Hall will present status
19-39	FTG		8	Review Chapter 8 Tables Removed by the Sunset Clause	Agenda	Yes	C. Shannon will present this item
19-40	GTG		9	Review Section 9.4 Substantiation of Data	Handout	Yes	D. Hall will present this item.
19-41	MTG		5	Confirmation of Design Properties of AMS 4911 for Ti-6Al-4V Sheet and Plate	Status	No	J. Rubadue will give a status report.
19-42	MTG		3	Confirmation of Design Properties of AMS 4202 for 7475-T7351 Aluminum Alloy Plate	Status	No	C. Shannon will give a status report.

Preliminary 36th MMPDS Coordination

SORTED BY ITEM NUMBER

Item No	Responsible		Chpt	Title	Type	Include in Virtual?	36th Meeting Description
	Final	Initial					
19-43	MTG		3	Upgrade of Design Properties of AMS 4154 for 7075-T6511 Aluminum Alloy Extrusion	Status	No	Arconic to submit data. Kaiser and Universal Alloy to send updated data sets. If data are received in time, an agenda item will be generated and presented.
19-44	MTG		multi	Update Stress-Strain Figures to Report Bron Method Relevance	Status	No	C. Shannon will give a status report.
19-45	MTG		3	Addition of A206.0-T4 and T71 Sand Casting Fatigue Analyses	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
19-46	FTG		8	Review Table 8.1.2(a)	Agenda	Yes	D. Hall will present this item.
20-01	MTG		3	Stabilization of AMS-QQ-A-200/3 for 2024 Alloy Extrusions	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
20-02	GTG		9	Editorial Correction for Section 9.6.1.11	Agenda	Yes	D. Hall will present this item.
20-03	GTG		9	MMPDS Review & Approval Process	Handout	Yes	D. Hall will present this item.
20-04	GTG	ETT	V2	V2: MMPDS Review & Approval Process	Status	No	D. Hall will present this item.
20-05	MTG		6	L-605 ST Bar and Forging Creep Curve Correction	Agenda	Item 20-22	This item was Agreed at the 35th Meeting. It will be formally Closed as part of a Consent Agenda Item.
20-06	MTG		3	Addition of 2043-T85 Extrusion Tensile Stress-Strain Curves	Agenda	Yes	C. Shannon will present this item.
20-07	MTG		3	Mechanical and Physical Properties for 7160-T7351 Aluminum Alloy Plate	Agenda	Yes	C. Shannon will present this item.
20-08	MTG		3	Mechanical and Physical Properties for 7160-T7451 Aluminum Alloy Plate	Agenda	Yes	C. Shannon will present this item.
20-09	MTG		3	Expansion of Thickness Range for 6061-T651 Plate	Status	No	L & ST tensile data are needed. Basis of secondary properties to be researched.
20-10	MTG		3	Upgrade of Secondary Properties of 7075-T76511 Aluminum Alloy Extrusions	Status	No	J. Rubadue will give a status report on this item related to Item 18-22 closed at the 34th meeting where derived properties in the 1-2 inch range were S-basis due to small sample size. Kaiser and Universal alloy agreed to supply data or material. AFRL agreed to testing. Data for 2.5-3 inch is also desired.