

**CUSTOMER APPROVED PROCESSES - SEPT 9, 2022**

CUSTOMER	SPEC	DESCRIPTION
<b>Boeing</b>	Quality System	Boeing approved QMS as defined in D1-4426 Processor Requirements Sec 6.15.2
	BAC 5602	Heat Treat of Aluminum Alloys
	AMS 2770	Heat Treat of Wrought Aluminum Alloys
	MIL-A-8625	Sulfuric Acid Anodize Type II (Approval Not Required for International Space Station (ISS) Houston Only)
	BAC 5632	Boric Acid - Sulfuric Acid Anodizing Class 1
	BAC 5632	Boric Acid - Sulfuric Acid Anodizing Class 5
	MIL-C-5541	Chemical Conversion Coating on Aluminum (Immersion App only) (Approval Not Required for International Space Station (ISS) Houston Only)
	MIL-DTL-5541	Chemical Conversion Coatings on Aluminum and Aluminum Alloys (Immersion Application Only)
	BAC 5719	Chemical Conversion Coatings for Aluminum (Immersion Application Only)
	BAC 5626	Colored Chem Conversion Coatings for Alum Immersion App only
	BAC 5423	Penetrant Inspection
	BSS 7039	Liquid Penetrant Inspection
	ASTM-E-1417	Penetrant Inspection
	BAC 5946	Temper Inspection of Non-ferrous Alloys (Conductivity Method including BAC 5651)
	BAC 5650	Hardness Testing
	AMS 2658	Hardness and Conductivity Inspection of Wrought Aluminum Alloy Parts (Hardness Testing)
	AMS 2658	Hardness and Conductivity Inspection of Wrought Aluminum Alloy Parts (Conductivity Testing)
	Chem. Testing	Process Solution Control
	ASTM-B-117	Salt Spray Testing
	NAS 410	NDI Personnel Certification Level 3 Penetrant
	DPS7.00-1	HT Aluminum - Wrought Materials
	DPS11.05-2	Sulfuric Acid Anodizing - Thin Film
	DPS9.45	Coating-Colorless Chemical Surface Treatment of Aluminum Alloys (Immersion Application Only)
	DPS9.45	Coating-Multicolored Chemical Surface Treatment of Aluminum Alloys (Immersion Application Only)
	DPS4.50-127	Fuel Tank Coating - manual touch-up excluded for requiring approval
	DPS4.707	Penetrant Inspection
	DPS1.05-8	Eddy Current Conductivity Testing - Equipment & Procedures
	DPS1.05	Hardness Testing of Metals
	HP4-57	Chemical Film - Aluminum (Immersion Application Only) (QPL)
	HP6-35	Heat Treat Temper Inspection of Aluminum Alloys - Conductivity Inspection (QPL)
	HP6-19	Hardness Testing of Metals
	PS15500	Heat Treating for Aluminum Alloys
	PS13201	Anodizing Aluminum
	PS13202	Coatings - Colorless Chemical Surface Treatment of Aluminum Alloys (Immersion Application Only)
	PS13209	Coating - Multicolored Chemical Conversion of Aluminum Alloys by Immersion
	PS21202	Penetrant Inspection - Aluminum
	PS21207	Eddy Current Determination of Electrical Conductivity for Aluminum Alloys
	PS21203	Hardness Testing of Parts and Materials
	DPS7.00-1-17	Aluminum Heat Treatment Procedures C17
	ST0501LT0001	Hardness and Conductivity Requirements for Metallic Materials. (Conductivity Testing)
	ST0501LT0001	Hardness and Conductivity Requirements for Metallic Materials. (Hardness Testing)
<b>Northrop Grumman</b>		
	29259-18	Fluorescent Penetrant Inspection
	ACS-PRS-1053	Process Specification for Etching Prior to Penetrant Inspection
	ACS-PRS-2151	Process Specification for Sealing, Integral Fuel Tank and Fuel Cell Cavity
	ACS-PRS-6002	Hole Preparation, Drilling, Mach., Trimming for Composite/Metallic Structure
	ACS-PRS-7005	Penetrant Inspection
	AMS 2700	Passivation Treatments for Corrosion-Resistant Steel
	AMS 2770	Heat Treatment of Wrought Aluminum Alloy Parts
	AMS-C-27725	Coating, Corrosion Preventative, Polyurethane for Aircraft Fuel Tanks
	ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
	ASTM E1417	Standard Practice for Liquid Penetrant Examination
	GP 17 G	Procedure, Etching prior to Penetrant Inspection
	GSS 4310	Application of Primer Coating, Epoxy Polyamide
	GSS 4510	Coating, Polyurethane, Application of
	GT 23 A	Fluorescent Penetrant Inspection
	LMA-PC201	Fluorescent Penetrant Inspection of Metallic Parts Materials
	LMA-PG001	Etch/Cleaning Prior to Penetrant Inspection
	MIL-PRF-8625	Anodic Coatings for Aluminum and Aluminum Alloys
	MIL-DTL-5541	Chemical Conversion Coatings for Aluminum and Aluminum Alloy
	MIL-F-18264	Finishes Organic, Weapons System, Application and Control of
	MPD 1074	Cleaning of Aluminum Alloy Parts
<b>Lockheed Martin</b>		
	MIL-STD-6866/ASTM-E-1417	Penetrant Inspection
	NDTS-1101 -	Penetrant Inspection (Excludes Zones 1A, 1B and 1C.)
	NDTS 1101-	Penetrant Etch
	LMA-PC201	Penetrant (Fluorescent) Inspection
	LMA-PG001	Pre-Penetrant Etch-Aluminum
	NDTS-1500 / 1501	Hardness Testing
	NDTS-1500 / 1502	Conductivity Testing
	LMA-PC009	Conductivity Testing
	LMA-PC009	Hardness Testing
	MIL-A-8625 Type II	Sulfuric Acid Anodize
	MIL-A-8625 Type IIB	Sulfuric Acid Anodize Alternative for Type I/IB
	2ZZP00001	Chromic Acid Anodize
	LMA-PH090 -	Thin Film Sulfuric Anodize
	AMS-C-5541/MIL-DTL-5541, Type I, Class 1A and Class 3	Chem Film
	MIL-F-18264	Prime and Paint
	LMA-PJ264	APPLICATION AND CONTROL OF ORGANIC FINISHES
	AMS-2770	Heat Treatment of Wrought Aluminum Alloy Parts
	FPS-3090	THIN FILM SULFURIC ACID ANODIZE TREATMENT FOR ALUMINUM
	5PTPCG09	HARDNESS & CONDUCTIVITY TESTING, NONDESTRUCTIVE METHODS FOR
	5PTPL19	CONDUCTIVITY AND HARDNESS TESTING OF ALUMINUM ALLOYS
	AMS-C-27725	Coating, Corrosion Preventative, for Aircraft Integral Fuel Tanks for Use to 250°F (121°C)
	FPS-1004	SEALING SPEC. INTEGRAL FUEL TANKS
<b>UTC (UTAS)</b>		
	AS 9100	QUALITY SYSTEM
	MIL-A-8625	ANODIZE ALUMINUM - SULFURIC (TYPE II)
	MIL-DTL-5541	CONVERSION COATING, ALUMINUM
	AMS-2700	PASSIVATION
	ASTM-A-967	PASSIVATION
	AMS-2770	HEAT TREAT