

\*Boeing D1-4426 processes can only be performed by D1-4426 Approved Process Sources. Additional QPL listed required, if applicable. Flowdown of Q95, Q019, Q020, 6055, and 6056 are invoked, if applicable.  
 \*\*Lockheed Martin processes can only be performed by Approved Process Sources as listed on QCS-001 Process List.

Process Specification	Rev	PSD/Departure(s), if applicable	Description
ACS-FRS-1000	F		GENERAL WEAPON SYSTEM FINISH REQUIREMENT SPECIFICATION
AMS2658	D		HARDNESS AND CONDUCTIVITY INSPECTION OF WROUGHT ALUMINUM ALLOY PARTS
AMS2700	F		PASSIVATION OF CORROSION RESISTANT STEELS
AMS2759	G		HEAT TREATMENT OF STEEL PARTS, GENERAL REQUIREMENTS
AMS2759/3	J		HEAT TREATMENT PRECIPITATION-HARDENING CORROSION-RESISTANT, MARAGING, AND SECONDARY HARDENING STEEL PARTS
AMS2770	R		HEAT TREATMENT OF WROUGHT ALUMINUM ALLOY PARTS
AMS-QQ-P-35	A	*SUPERSEDED BY AMS2700	PASSIVATION TREATMENTS FOR CORROSION-RESISTANT STEEL
AMS-QQ-P-416	R		PLATING, CADMIUM (ELECTRODEPOSITED)
APPENDIX QJ	Rev 8		LOCKHEED MARTIN AERONAUTICS COMPANY QCS-001 PROCESS SOURCE QUALITY REQUIREMENTS
APPENDIX QX	Rev 9		LOCKHEED MARTIN AERONAUTICS COMPANY SUPPLIER QUALITY REQUIREMENTS
ASTM A967	M-17		STANDARD SPECIFICATION FOR CHEMICAL PASSIVATION TREATMENTS FOR STAINLESS STEEL PARTS
BACS003	Y		SPOTWELDING, ROLLER SPOTWELDING, AND SEAMWELDING OF ALUMINUM ALLOY PARTS
BACS019	AA		CHROMIC ACID ANODIZING
BACS022	M	PSD 9-1	SULFURIC ACID ANODIC FILMS
BACS423	Y	PSD 6-155, 8-17	PENETRANT METHODS OF INSPECTION
BACS424	V		MAGNETIC PARTICLE INSPECTION
BACS439	J	PSD 6-23, 9-4, 9-5	ULTRASONIC INSPECTION
BACS514	AT	PSD 1-9, 1-10, 1-12, 1-16	COMMON BONDING REQUIREMENTS FOR STRUCTURAL ADHESIVES
BACS514-589	AA	PSD 1-8, 1-9	APPLICATION OF CORROSION INHIBITING ADHESIVE PRIMER
BACS555	V	PSD 9-2	PHOSPHORIC ACID ANODIZING OF ALUMINUM FOR STRUCTURAL BONDING
BACS602	AH	PSD 1-9	HEAT TREATMENT OF ALUMINUM ALLOYS
BACS613	W	PSD 1-5, 1-6, 1-8, 6-59, 9-15, 9-31	HEAT TREATMENT OF TITANIUM AND TITANIUM ALLOYS
BACS616	M		HEAT TREATMENT OF NICKEL-BASE AND COBALT-BASE ALLOYS
BACS617	W	PSD 8-19, 8-22, 9-12, 9-13	HEAT TREATMENT OF ALLOY STEELS
BACS619	L	PSD 1-5, 1-6, 9-15, 9-17	HEAT TREATMENT OF CORROSION RESISTANT STEEL
BACS625	H	PSD 9-1	SURFACE TREATMENTS FOR FERROUS ALLOYS
BACS632	G		BORIC ACID - SULFURIC ACID ANODIZING
BACS650	G	PSD 8-2	HARDNESS TESTING
BACS651	D		EDDY CURRENT ELECTRICAL CONDUCTIVITY INSPECTION
BACS681	G	PSD 1-1	RELEASE AGENT REMOVAL AND DEFECT FILLING OF EXTERIOR COMPOSITE SURFACES
BACS705	N	PSD 1-6, 1-7, 1-8	APPLICATION OF FLOOR COVERING MATERIALS
BACS709	Y	PSD 1-6, 1-7, QPL REV -	HARD CHROMIUM PLATING
BACS710	AG	PSD 9-25, 1-12	APPLICATION OF SPECIAL PURPOSE COATINGS
BACS719	AC	PSD 1-11, 1-12	CHEMICAL CONVERSION COATINGS FOR ALUMINUM AND ALUMINUM ALLOYS
BACS725	K	PSD 1-5, 1-6, 1-8, 1-9	STRIPPING ORGANIC MATERIALS
BACS730	V	PSD 1-4 REV B, 1-5 REV A, 1-6, 9-10	SHOT PEENING
BACS736	AE	PSD 1-10, 1-11, 1-12, 8-6	APPLICATION OF CHEMICAL AND SOLVENT RESISTANT FINISHES
BACS748	W	PSD 1-6, 8-11	ABRASIVE CLEANING, DEBURRING, AND FINISHING
BACS751	R	PSD 1-4, 6-69	CLEANING, DESCALING AND SURFACE PREPARATION OF FERROUS ALLOYS
BACS753	AB		CLEANING, DESCALING AND SURFACE PREPARATION OF TITANIUM AND TITANIUM ALLOYS
BACS755	AL	PSD 1-8	APPLICATION OF INTERIOR DECORATIVE FINISHES
BACS765	AB	PSD 1-11	CLEANING AND DEOXIDIZING ALUMINUM ALLOYS
BACS777	G	PSD 8-4	WASH PRIMER, APPLICATION OF
BACS793	AC	PSD 1-6, 1-10, 6-122, 9-28	APPLICATION OF CORROSION RESISTANT FINISH FOR INTEGRAL FUEL TANKS
BACS804	AG	PSD 8-3	LOW HYDROGEN EMBRITTLEMENT CADMIUM-TITANIUM ALLOY PLATING
BACS807	P	PSD 1-5, 8-6, 9-30, 9-31	APPLICATION OF HIGH TEMPERATURE EPOXY PRIMER
BACS821	G		HARD ANODIZING
BACS845	Y	PSD 1-8, 1-9	APPLICATION OF POLYURETHANE TOPCOAT
BACS861	E	PSD 1-5, 6-13, 6-18, 9-16, 9-24, 9-36, 9-37, 9-8	APPLICATION OF PHOSPHATE-FLUORIDE COATING TO TITANIUM ALLOYS
BACS882	R	PSD 1-6, 1-7, 1-8	APPLICATION OF URETHANE COMPATIBLE PRIMER
BACS946	AD		TEMPER INSPECTION OF ALUMINUM ALLOYS
BACS975	P	PSD 9-1, 9-7, 9-13	FUSION WELDING OF METALS
BACS977	U		RESISTANCE WELDING OF METALS: SPOT, ROLL SPOT AND SEAM
BMS10-11	AE		CHEMICAL AND SOLVENT RESISTANT FINISH
BMS10-20	U		CORROSION RESISTANT FINISH FOR INTEGRAL FUEL TANKS
BMS10-60	AB		PROTECTIVE TOPCOAT
BMS10-72	AR		EXTERIOR DECORATIVE PAINT SYSTEM
BMS10-79	T		URETHANE COMPATIBLE, CORROSION RESISTANT PRIMER
BMS10-83	U		INTERIOR DECORATIVE URETHANE PAINT SYSTEM
BMS10-86	U		FLUOROPOLYMER FILLED COATING
BMS5-89	T		CORROSION INHIBITING ADHESIVE PRIMER
BSS7055	B	PSD 6-4, 6-5	ULTRASONIC INSPECTION, WROUGHT PRODUCTS
BSS7286	F		STATISTICAL PROCESS CONTROL OF DESIGNATED ENGINEERING CHARACTERISTICS
BSS7351	G		EDDY CURRENT ELECTRICAL CONDUCTIVITY - DIRECT READING METHOD
D210-12534-1	G	PSD 1-1, 1-2, 1-3, 8-13, 8-14	COATING SYSTEM, EPOXY-POLYAMIDE, CHEMICAL AND SOLVENT RESISTANT: PROCESS FOR APPLICATION OF
D210-13540-2	-	PSD 8-01, 8-03	APPLICATION OF WATERBORNE PRIMER
D2-5000	CK	PSD 9-3	PROTECTIVE FINISH CODES
D6-30544	J		RIVET BONDING AND FINISHING OF 747 MAIN LANDING GEAR BODY AND NOSE GEAR DOOR
D6-5000	CC		SPECIAL COMMERCIAL AIRPLANE COMPANY FINISH CODES
DB-5000	R		DEFINITION OF FINISH CODES
DOD-L-85645	A	Amendment 2	LUBRICANT, DRY FILM, MOLECULAR BONDED
DPS1.05-2	J		HARDNESS TESTING PROCEDURES
DPS1.05-3	AV	PSD 001-V, C17-461, C17-492	HARDNESS VALUES FOR ALUMINUM ALLOYS
DPS1.05-4	J	PSD C17-057	HARDNESS VALUES, CARBON & ALLOY STEELS
DPS1.05-5	AE		HARDNESS VALUES FOR STAINLESS STEEL, COPPER AND NICKEL ALLOYS
DPS1.05-8	J		EDDY CURRENT CONDUCTIVITY TESTING - EQUIPMENT & PROCEDURES
DPS10.225	W	PSD 001-WDJ, C17-073, C17-135	GAS TUNGSTEN ARC WELDING (GTAW)
DPS10.250	D		WELDING & BRAZING (COMMERCIAL QUALITY)
DPS10.301	F	PSD 001-EV, 002-AHF, S98-035A	FUSION WELDING PROCESSES
DPS11.01	AR	PSD 001-BPC, 006-MH, 010-MH	CHROMIC ACID ANODIZING ALUMINUM
DPS11.01-3	J	PSD 007-MC	CHROMIC ACID ANODIZING ALUMINUM - CHROMATE SEALED
DPS11.04	W	PSD C17-021	HARD ANODIZING ALUMINUM

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DPS11.05	T		SULFURIC ACID ANODIZING
DPS11.05-1	J		SULFURIC ACID ANODIZING - CONTROLLED THICKNESS
DPS11.05-2	F		SULFURIC ACID ANODIZING - THIN FILM
DPS3.177	M		SOLID FILM LUBRICATION
DPS4.40-1	F		NAMEPLATE FABRICATION - PAINTED METAL
DPS4.50-127	AJ	PSD C17-047, C17-182, C17-329	FUEL TANK COATING
DPS4.50-131	N	PSD C17-367A, C17-531 REV B, S02-011, S03-005, S99-012	COATING, ANTI-CHAFE
DPS4.50-138	AB	PSD MH007, C17-533	EPOXY PRIMER, DMS2104
DPS4.50-144	G		TEFLON-S COATING - 450° F CURE
DPS4.50-152	K	PSD S03-005	WATER BASE FINISH
DPS4.50-153	L	PSD S03-005, S03-003	INTERIOR POLYURETHANE FINISH
DPS4.50-165	N	PSD S98-006B, S98-045	ALIPHATIC POLYURETHANE COATING DMS 2115
DPS4.50-165-17	F	PSD 002-BSA, C17-393ER	ALIPHATIC POLYURETHANE COATING DMS 2115
DPS4.50-168	G	PSD C17-047, C17-182, C17-367A, C17-391, S03-005, S98-006B, S99-012	HEAT RESISTANT URETHANE COATING
DPS4.50-36	AR	PSD 002-MM, 011-MC, 015-MC, BB006, S03-005, S05-003, S97-028, S99-012	EPOXY (FR) COATING SYSTEM
DPS4.50-36-17	B	PSD 045-MC, C17-511, C17-524, C17-532	EPOXY (FR) COATING SYSTEM
DPS4.50-62	AP	PSD C17-534	IMPACT RESISTANT COATING SYSTEM
DPS4.704	AY		MAGNETIC PARTICLE INSPECTION
DPS4.707	BC		PENETRANT INSPECTION (FLUORESCENT)
DPS4.715	G	C17-226R1	ETCH INSPECTION OF MACHINED OR GROUND STEEL PARTS
DPS4.747	G		NONDESTRUCTIVE TESTING PROCEDURE APPROVAL
DPS5.00	R		STEEL HEAT TREATMENT - GENERAL
DPS5.00-1	AV	PSD 001-BCV, 001-CHT, 002-BCV, BU004, C17-490, C17-491, S88-030, S89-228, S92-042	STEEL HEAT TREATMENT - QUENCH AND TEMPER HARDENABLE
DPS5.00-2	AT	C-17-568	STEEL HEAT TREATMENT - PRECIPITATION HARDENABLE
DPS6.30	T		NICKEL BASE HEAT RESISTANT ALLOYS - HEAT TREATMENT
DPS6.33	AD		TITANIUM HEAT TREATMENT
DPS7.00	J		ALUMINUM HEAT TREATMENT - GENERAL
DPS7.00-1	BL		ALUMINUM HEAT TREATMENT PROCEDURES
DPS7.00-1-17	N	PSD C17-456	ALUMINUM HEAT TREATMENT PROCEDURES
DPS9.05	L	PSD C17-225R1, S98-006B	CLEANING OF CARBON STEELS AND LOW ALLOY STEELS
DPS9.07	AN	PSD C17-329, C17-445ER	SURFACE TREATMENT OF CORROSION RESISTANT STEELS
DPS9.09	E		DETECTION OF BURNS ON FERROUS ALLOYS - SUPERSEDED. * USE DPS4.715
DPS9.19	J	PSD S827, S98-006B	CLEANING HEAT RESISTANT NICKEL BASE ALLOYS
DPS9.29	AR	PSD 013-MH	SURFACE TREATMENT OF TITANIUM
DPS9.301	BD	PSD 003-CAM, 007-AHF, C17-329	CLEANING ALUMINUM ALLOYS
DPS9.45	AW	PSD 002-CMP, 004-MH, 005-BSA, 011-MH	CONVERSION COATINGS FOR ALUMINUM
DPS9.74	AD		CADMIUM PLATING
EPB4-230	AV		FINISH SPECIFICATION FOR AH-64 ADVANCED ATTACK HELICOPTER
EPB4-232	AF		PAINT, APPLICATION OF, TO THE AH-64 HELICOPTER
HMS15-1100	K		FINISH SYSTEM, EPOXY PRIMER AND TOPCOAT
HMS16-1278	F		FILM ADHESIVE, HIGH PEEL, 250 F CURE
HP1-1	AL		STEELS, HEAT TREATMENT OF
HP11-3	E		SPOT, SEAM AND PROJECTION WELDING
HP1-2	T		HEAT TREATMENT OF ALUMINUM ALLOYS
HP14-30	R		BONDING FOR ELECTRICAL AND LIGHTNING PROTECTION OF DOD AIRCRAFT
HP4-100	N		ADHESIVE PRIMER, APPLICATION AND CONTROL OF
HP4-11	L		CADMIUM PLATING, ELECTRODEPOSITED
HP4-116	E		ELECTROPOLISHING OF STAINLESS STEEL
HP4-121	H		PREPARATION OF PRECIPITATION-HARDENING STEELS AND AM 355 STAINLESS STEEL FOR ADHESIVE BONDING
HP4-13	F		CHROMIUM PLATING (ELECTRODEPOSITED)
HP4-2	J		ANODIZING OF ALUMINUM AND ALUMINUM ALLOYS
HP4-35	N		ANODIC TREATMENT OF ALUMINUM ALLOYS FOR METAL-TO-METAL BONDING
HP4-49	G		BONDING, ADHESIVE - PROCESSING FOR NICKEL AND CRES ALLOYS
HP4-57	T		CHEMICAL FILMS FOR ALUMINUM AND ALUMINUM ALLOYS
HP4-75	G		SOLID FILM LUBRICATION
HP4-79	M		ANODIZING ALUMINUM - WEAR RESISTANCE
HP4-8	N		PASSIVATION OF CORROSION-RESISTANT STEELS
HP6-13	AA		PENETRANT INSPECTION
HP6-19	L		HARDNESS TESTING OF METALS
HP6-35	K		HEAT-TREAT TEMPER INSPECTION OF ALUMINUM ALLOYS
HP9-25	W		DEGREASING
LMA-MR003	G		WATERBORNE EPOXY PRIMER
LMA-PC003	C		ACCEPTANCE CRITERIA FOR PENETRANT INSPECTION
LMA-PC009	K		LOCKHEED MARTIN - HARDNESS AND CONDUCTIVITY TESTING, NONDESTRUCTIVE METHODS
LMA-PC201	G		REQUIREMENTS FOR FLUORESCENT PENETRANT INSPECTION OF METALLIC PARTS AND MATERIALS
LMA-PG001	C		REQUIREMENTS FOR ETCH/CLEANING PRIOR TO PENETRANT INSPECTION
LMA-PG301	A		CLEANING OF ALUMINUM AND ALUMINUM ALLOYS
LMA-PJ016	-		APPLICATION OF ORGANIC COATINGS
LMA-PJ264	-		APPLICATION AND CONTROL OF ORGANIC FINISHES
MIL-A-8625	F	Amendment 1	ANODIC COATINGS FOR ALUMINUM AND ALUMINUM ALLOYS
MIL-C-5541	E		CHEMICAL CONVERSION COATINGS ON ALUMINUM AND ALUMINUM ALLOYS
MIL-DTL-53039	E		COATING, ALIPHATIC POLYURETHANE, SINGLE COMPONENT, CHEMICAL AGENT RESISTANT
MIL-DTL-5541	F		CHEMICAL CONVERSION COATINGS ON ALUMINUM AND ALUMINUM ALLOYS
MIL-DTL-64159	B		CAMOUFLAGE COATING, WATER DISPERSIBLE ALIPHATIC POLYURETHANE, CHEMICAL AGENT RESISTANT
MIL-F-18264	D		FINISHES: ORGANIC, WEAPONS SYSTEM, APPLICATION AND CONTROL OF
MIL-P-23377	K		PRIMER COATINGS: EPOXY, HIGH-SOLIDS
MIL-P-6808	C		PRIMER COATING, ZINC CHROMATE, PROCESS FOR APPLICATION OF
MIL-PRF-16173	E		CORROSION PREVENTIVE COMPOUND, SOLVENT CUTBACK, COLD-APPLICATION
MIL-PRF-22750	F		COATING, EPOXY, HIGH-SOLIDS
MIL-PRF-23377	K		PRIMER COATINGS: EPOXY, HIGH-SOLIDS
MIL-PRF-85582	E		PRIMER COATINGS: EPOXY, WATERBORNE
MIL-PRF-8625	F		ANODIC COATINGS FOR ALUMINUM AND ALUMINUM ALLOY
MMS423	D	MMS423ADDENDUM1 REV L	LOW V.O.C. - LOW DENSITY EPOXY PRIMER
PS12040	AF		CLEANING, ABRASIVE

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Process Specification	Rev	PSD/Departure(s), if applicable	Description
PS12045	M		CLEANING, LIQUID HONE
PS12050	W		PICKLING
PS12050.1	AE		PICKLING ALUMINUM ALLOYS
PS12050.6	T		PICKLING TITANIUM AND TITANIUM ALLOYS
PS13001	U		PASSIVATION OF CORROSION AND HEAT RESISTING ALLOYS
PS13143	AC	BDS AND BGS	ALUMINUM, ION VAPOR DEPOSITION (IVD) OF
PS13201	AN	BDS AND BGS	ANODIZING, ALUMINUM ALLOYS
PS13204	AM		CONVERSION COATING, BRUSH AND SPRAY
PS13209	Y		COATING, MULTICOLORED CHEMICAL CONVERSION OF ALUMINUM ALLOYS BY THE IMMERSION PROCESS
PS13375	AE		APPLICATION OF EPOXY PRIMER
PS13517	AA		PAINTING OF DOUGLAS COMMERCIAL, C-17, T-38 AND T-45 AIRCRAFT
PS13555	Y		COATING, ANTI-CHAFE
PS13630	AJ		PAINTING OF F/A-18 AND AV-8 AIRCRAFT
PS13646	AV		PAINTING OF F-15 AIRCRAFT
PS15000	Y		GENERAL HEAT TREATING CRITERIA FOR FERROUS MATERIALS
PS15000.5	A		HARDENING ALLOY STEELS TO 180,000 PSI MINIMUM AND UNDER
PS15500	AA		GENERAL HEAT TREATING CRITERIA FOR ALUMINUM ALLOYS
PS15500.4	A		HEAT TREATING OF ALUMINUM ALLOYS TO THE -T6/-T62 AND T72 CONDITIONS
PS15500.5	A		HEAT TREATING ALUMINUM ALLOYS TO THE -T81, -T851, -T8511 AND -T861 CONDITIONS
PS15500.6	D		HEAT TREATING OF ALUMINUM ALLOYS TO THE -T76 AND -T5 CONDITIONS
PS15500.8	A		HEAT TREATING OF ALUMINUM ALLOYS TO THE -T73 CONDITION
PS15520	E		CANCELLATION AND SUPERSEDEANCE NOTICE FOR P.S. 15520. *USE PS15500.4
PS15534	E		CANCELLATION AND SUPERSEDEANCE NOTICE FOR P.S. 15534. *USE PS15500.4
PS15535	C		CANCELLATION AND SUPERSEDEANCE NOTICE FOR P.S. 15535. *USE PS15500.5
PS15548	L		CANCELLATION/SUPERSEDEANCE NOTICE FOR PS15548-HARDENING 7075 WROUGHT PRODUCTS TO THE -T73 TEMPER. * USE PS15500.8
PS15600	G		GENERAL HEAT TREATING CRITERIA FOR NICKEL BASE, COBALT BASE, AND RELATED SUPER ALLOYS
PS15631	D		AGE HARDENING OF ALLOY A-286 [REF PS15600]
PS15807	M		STRESS RELIEF PROCEDURE - TITANIUM ALLOYS
PS18021	AE		LUBRICANTS, BONDED DRY FILM, APPLICATION OF
PS20722	D	PS20722QPL REV J	HOLE MASKING FOR ENHANCED PROCESS CONTROLLED METALLIC PARTS
PS21202	AU		PENETRANT INSPECTION
PS21203	K		HARDNESS TESTING OF PARTS AND MATERIALS
PS21207	G		EDDY CURRENT DETERMINATION OF ELECTRICAL CONDUCTIVITY FOR ALUMINUM ALLOYS
PS23023	Y		HARDNESS AND ELECTRICAL CONDUCTIVITY INSPECTION ACCEPTANCE CRITERIA FOR METALS
QQ-P-35	C	<i>*SUPERSEDED BY AMS2700</i>	PASSIVATION TREATMENTS FOR CORROSION-RESISTANT STEEL
QQ-P-416	F	<i>*SUPERSEDED BY AMS-QQ-P-416</i>	PLATING, CADMIUM (ELECTRODEPOSITED)
ST0111LA009	D		HEAT TREATMENT OF ALUMINUM ALLOYS
ST0501LT0001	C1		HARDNESS AND CONDUCTIVITY REQUIREMENTS FOR METALLIC MATERIALS
TT-P-1757	B		PRIMER COATING, ALKYD BASE

\*\*\*FOR UNLISTED OR FOR CURRENT REQUIRED PROCESS REVISIONS & PSDS, PLEASE VISIT <http://www.boeingssuppliers.com/d14426/> or <https://sqm.lmaeronautics.com/QCS001View.aspx>, as applicable.

\*\*\*\*In cases of Superseded Processes Specifications, if necessary, please apply Superseding Process Specification.