



Advanced **C**oating **T**echniques
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Prime Contractor Approval List

AIRBUS UK Limited Approvals (Approval Number AUK/SA/10203)

Fluorescent Penetrant Testing

Chromic Anodising

Paint Spraying and Stoving

Arkwin Industries Approvals

AMS 2700	Passivate
AMS-QQ-P-416	Cadmium Plate Ty I, II, III
ASTM E 1417	Penetrant Inspection
ASTM E 1444	Magnetic Particle Inspection
MIL-A-8625	Anodize TY I
MIL-A-8625	Anodize TY II
Mil-A-8625 (Hardcoat)	Anodize TY III
MIL-F-18264	Paint
QQ-P-35	Passivate

BELL Helicopter Approvals (Supplier Code: 078501)

Approved for Flight Safety, Critical, and Primary Parts.

BPS 4001	Anodize Chromic Acid
BPS 4007	Passivation, Procedure I
BPS 4075	Magnetic Part Inspection
BPS 4089	Fluorescent Penetrant Inspection (W W) Casting; Includes IB1
BPS 4089	Fluorescent Penetrant Inspection (P-E) Castings/Forgings; Includes IB2
BPS 4312	Selective Brush Cadmium Plating
BPS 4389	Pre-Penetrant Etch Aluminum
BPS 4138	Chemical Cleaning of Aircraft Materials
BPS 4182	Chemical Film, Class 1A

Boeing Approvals (Processor Code: 621506)

MIL-A-8625 TY I	300	Chromic Anodizing
MIL-A-8625 TY II	301	Sulfuric Anodizing (Divisions X Exempt)
AMS-A-8625 TY II	301A	Sulfuric Anodizing
MIL-A-8625 TY III	302	Hard Anodizing (6000 and 7000 alloys)
BAC 5019 Class 1 and 3	305	Chromic Anodizing
BAC 5821 Class 1 and 2	308	Hard Anodizing
BAC 5632 Class 1	315	Boric Acid – Sulfuric Acid Anodizing
BAC 5019 Class 5	317	Chromic Anodizing (parts to be painted at ACT)
BAC 5632 Class 5	318	Boric Acid – Sulfuric Acid Anodizing
MIL-C-5541	320	Chemical Conversion Coating
MIL-DTL-5541	320B	Chemical Conversion Coating
BAC 5719	321	Chemical Conversion Coating
QQ-P-416 TY I and II	340	Cadmium Plating
BAC 5701 TY I and II	341	Cadmium Plating
BAC 5424	400	Magnetic Particle Inspection
BSS 7040	400A	Magnetic Particle Inspection
MIL-STD-1949	403	Magnetic Particle Inspection
MIL-I-6868	404	Magnetic Particle Inspection
BAC 5423	410	Liquid Penetrant Inspection
BSS 7039	410A	Liquid Penetrant Inspection
ASTM-E-1417	411	Liquid Penetrant Inspection
MIL-STD-6866	412	Liquid Penetrant Inspections
MIL-I-6866	413	Liquid Penetrant Inspection
DPS 11.01	L304	Chromic Anodizing
DPS 11.01-3	L304B	Chromic Anodizing – Chromate Seal
DPS 11.05	L306	Sulfuric Anodizing
DPS 11.04	L308	Hard Anodizing (6000 and 7000 alloys)
DPS 9.69	L356	Copper Plating

Boeing Approvals (Continued) (Processor Code: 621506)

DPS 4.50-127	L392A	Fuel Tank Coating
DPS 4.704	L400	Magnetic Particle Inspection
DPS 4.707	L410	Liquid Penetrant Inspection
PS 13201	S304	Aluminum Anodizing
PS 13208	S306	Hard Anodizing (6000 and 7000 alloys)
PS 13101	S341	Cadmium Plating
PS 13104	S356	Copper Plating
PS 21201	S400	Magnetic Particle Inspection
PS 21202 Aluminum Only	S410A	Liquid Penetrant Inspection

Cessna Approvals (Vendor code: 015741)

CSFS007	Application of Organic Coating
CSFS024	Cadmium Plate
CSFS042	Vapor Degrease
CSFS084	Coatings, VOC Compliant, Application
CSMP004	Embrittlement Relief Only
CSTI001	Magnetic Particle Inspection
CSTI002	Liquid Penetrant Inspection

EDO Corporation Approvals

AMS-QQ-P-416	Cadmium Plate Ty I, II, III
ASTM E 1417	Penetrant Inspection
ASTM E 1444	Magnetic Inspection
AMS 2700	Passivation
MIL-A-8625	Anodic Coating Ty I, TY II, TY III
MIL-C-5541	Chemical Conversion CL1A, 3
MIL-C-14550	Copper Plating
MIL-L-46010	Dry Film Lube
MIL-STD 171	Painting

EDO Corporation Approvals (Continued)

MIL-T-10727	Tin Plate
QQ-P-35	Passivation

Goodrich Aerostructure Group Approvals

ASTM E 1444	Magnetic Part Inspection
RPS 9.74	Cadmium Plate
RPS 11.01	Chromic Anodizing
RPS 11.04	Hard Anodizing
RPS 13.51	Chromic Anodizing
RPS 18.08	Magnetic Part Inspection
RPS 18.10	Penetrant Inspection

Goodrich Landing Gear Division Approvals

AMS-2418	Copper Plate
AMS-QQ-P-416	Cad Plate
ASTM E 1417	Penetrant Inspection
ASTM E 1444	Magnetic Part Inspection
BP-167	Paint
CPC 8204	Cad Plate
LGPS 1100	Cadmium Plate LHE
LGPS-1001	Paint
MIL-A-8625	Anodizing
MIL-C-5541	Chemical Film
MIL-P-18264	Paint
MIL-STD-865	Brush cadmium plate
MIL-STD-870	Cadmium Plate LHE

GRUMMAN Approvals (Supplier Code 025328)

AMS-QQ-P-416	Cadmium Plate
ASTM E-1417	Penetrant Inspection
ASTM E-1444	Magnetic Particle Inspection
C-17	Penetrant Pre-clean
FP-87	Sulfuric Anodize
FP-153 (MIL-PRF-85582)	Prime Epoxy
FP-162 (MIL-C-85285)	Top Coat
IT60	Penetrant Inspection
GP17G	Cleaning & Etch
GSS 4301(MIL-C-8514)	Wash Primer, Formula No. 117
GSS 4306 (MIL-C-27725)	Paint Fuel Tank Coating
GSS 4310	Paint Epoxy Primer
GSS 4401	Cellulose-Nitrate Lacquer
GSS 4406	Clear Dull Vinyl Lacquer
GSS 4407	Acrylic Lacquer
GSS 4501	Epoxy-Polyamide Coating
GSS 4507	Fuel and Oil Resistant for Polycarbonate Surfaces
GSS 4510	Paint Polyurethane Top Coat
GSS 7021	Acid Clean, Passivate
GSS 7030	Alkaline Cleaning of Ferrous Alloys
GSS 8052	Cadmium Plate for Low Alloy Steel
GSS 10200	Dry Film Lubricant (Emralon #310)
GSS 10300	Dry Film Lubricant
GSS 14600	Polysulfide Rubber Coating
GT23A	Penetrant Inspection
MIL-A-8625	Anodize Type 1, 2 and 3
MIL-C-5541	Chem. Film

Gulfstream Approvals

Tier One Approved Supplier

MIL-A-8625, GAMPS 6201	Anodize Chromic Ty I
MIL-A-8625	Anodize Sulfuric Ty II
MIL-A-8625, GAMPS 6203	Anodize Hard Coat Ty III
GAMPS 6103	Brush Plating
AMS-QQ-P-416 Ty I, II, III, GAMPS 6102-1	Cadmium Plate
MIL-C-14550, GAMPS 6104	Cooper Plate
MIL-C-5541, GAMPS 6113	Conversion Coating Aluminum
MIL-PRF-46010, GAMPS 4103	Dry Film Lubricants
GAMPS 3102	Integral Fuel Tank Coating
ASTM E 1444	Magnetic Inspection
GAMPS 6109	Manganese Heavy Phosphate
MIL-F-18264	Paint
QQ-P-35, Mil-S-5002, GAMPS 4103	Passivate
ASTM E 1417	Penetrant Inspection

Lockheed Martin Approvals (Supplier Code PQA011)

MIL-STD-1949, ASTM E 1444	100A	Magnetic Part Inspection
STP 53-001	101A	Magnetic Part Inspection
MIL-STD-6866, ASTM E 1447	110A	Penetrant Inspection
STP 53-201, LCP72-1068	111A	Penetrant Inspection
5PTPCL02	112	Penetrant Inspection (No Critical Parts)
5PTPGL03	146B6	Aluminum Pre-penetrant Etch (NDT-003 Issue2)
MIL-A-8625 TY I & IB	200A	Chromic Acid Anodize
MIL-A-8625 TY II	200B	Sulfuric Acid Anodize
STP 58-209	200H	Chromic Acid Anodize
STP 58-208	200L	Sulfuric Acid Anodize
AMS-C-5541, MIL-DTL-5541	210	Chemical Film
STP 58-405	210A	Chemical Film (Class 1 Type 1 Only)

Lockheed Martin Approvals (Continued) (Supplier Code PQA011)

QQ-P-416 TY II	230B	Cadmium
0491	230M	Cadmium (C-130 Only)
MIL-F-18264	240A	Prime and Paint
MIL-C-27725, AMS-C-27725	242A	Fuel Tank Coating
Proc Bulletin G639	242E	Fuel Tank Coating
MIL-L-46010 / MIL-PRF-46010	251	Solid Film Lubricant
STP 62-005	252	Solid Film Lubricant (Type II, IV & V)
STP54-008	614	Stress and Embrittlement Relieving (max temp 375F)
PS 0170	615	Cleaning (Aluminum etch for LPI only)
C-0170	616	Cleaning-(Aluminum etch for LPI only)
STP57-301	619	Aluminum etch for LPI only

Messier-Dowty Toronto Approvals (Supplier Code TSC-206)

Penetrant Inspection	ASTM E 1417
Anodizing	Mil-A-8625
Chemical Conversion	Mil-C-5541

Messier-Dowty Montreal Approvals (Supplier Code AD500)

Cadmium Plate	PCS-2101
Penetrant Inspection	NDT 8

NADCAP Approvals

Chemical Processing and paint Certificate 113679-B

Surface Treatment/Passivation– AMS-QQ-P-35

Silver Plating – QQ-S-365

Silver Plating – Other

Conversion/Phosphate Coatings – TT-C-490

Tin Plating – MIL-T-10727

Cadmium Plating – ASTM A 165

NADCAP Approvals (Continued)

Conversion/Phosphate Coatings – MIL-C-5541

Alloy Plating – Other

Cadmium Plating – MIL-STD-870

Copper Plating – MIL-C-14550

Surface Treatment/Passivation – ASTM A 380

Brush Plating – MIL-STD-865

Copper Plating – AMS 2418

Conversion/Phosphate Coatings – DOD-P-16232

Cadmium Plating – Other

Cadmium Plating – QQ-P-416

Surface Treatment/Passivation – Other

Anodizing – MIL-A-8625

Surface Treatment/Passivation – QQ-P-35

Surface Treatment/Passivation– AMS-2700

Anodizing – AMS-A-8625

Anodizing – Other

Conversion/Phosphate Coatings – Other

Cadmium Plating – AMS-QQ-P-416

MIL-P-23377

MIL-P-53022

MIL-C-22750

MIL-C-46168

Paint/Dry Film Coatings-Other

MIL-P-85582

MIL-L-46010

MIL-PRF-46010

MIL-PRF-22750

MIL-PRF-85582

NADCAP Approvals (Continued)

MIL-C-85285

MIL-P-53030

MIL-PRF-23377

MIL-F-18264

MIL-DTL-53039

MIL-PRF-85285

MIL-L-23398

Pre-Penetrant Etch

Non-Destructive Testing Certificate 111251-B

Liquid Penetrant Inspection

Magnetic Particle Inspection

Parker Hannifin Corporation - Parker Aerospace

AMS 2700'E' Type 2	P002	PASSIVATION
AMS 2700'E' Type 6	P006	PASSIVATION
AMS-QQ-P-35'A' Type II	P015	PASSIVATION
AMS-QQ-P-35'A' Type VI	P016	PASSIVATION
MIL-A-8625'F AM1'type I	A014	ANODIZING
MIL-A-8625'F AM1' type II	A017	ANODIZING
MIL-DTL-5541'F' TYPE I	E010	SURFACE TREATMENTS
MIL-DTL-5541'F' TYPE II	E011	SURFACE TREATMENTS

Saab-Sweden Approvals

STD 1965	Cadmium Plate
STD 1966	Anodize TY I
STD 2754	Conversion Coating
STD 1969	Passivate
STD 4049	Penetrant Inspection
STD 4050	Magnetic Inspection

Saab-Sweden Approvals (Continued)

STD 3132, STD 3268, STD 1974 Paint

Schweizer Aircraft Corporation- Horseheads, NY

SHP 4-2	Anodizing
SHP 4-11	Cadmium Plating
SHP 4-57	Alodine
SHP 4-79	Hard coat
SHP 4-103	Copper Plating
SHP 4-107, MIL-PRF-23377, MIL-PRF-85285	Paint
SHP 6-5	MPI
SHP 6-13	LPI

SIKORSKY Approvals (Code SP006)

Flight Safety Approval – Category “K” inspection on staff

SS8407, AMS 2750	Baking
MIL-STD-865, SS8443	Brush Plating
QQ-P-416, SS8448 Type I, II Class 1, 2, 3	Cadmium Plate
AMS-A-8625, SS8483 Type I, IB, Class 1	Anodize
AMS-A-8625, SS8483 Type IC, Class 1	Anodize
AMS-A-8625, SS8483 Type II Class 1	Anodize
AMS-A-8625, SS8483 Type III	Anodize (Limited to 7075 & 6061)
QQ-S-365, SS8487 Type I, II, III Grade A, B	Silver Plate
SS8489	Cadmium Plate
SS8805	Magnetic Particle Inspection
SS8806	Liquid Penetrant Inspection
MIL-DTL-16232, SS8416	Phosphate
MIL-F-18264	Paint
MIL-P-23408	Tin-Cad Plate
MIL-T-10727 Type 1	Tin Plate

SPIRIT AEROSYSTEMS Approvals (Approval Number SPIRIT / 0168)

Treatments & Finishing

Non-Destructive Testing

Inspection & Testing

VOUGHT AIRCRAFT Approvals (Code: 025328)

208-9-100	ALCL	Cleaning & Etching of aluminum
GP 17 G	ALCL	Cleaning & Etching of aluminum
80-T-35-0100	DA 0100	Acid Pickling (Deoxidizing)
80-T-35-0110	DA 0110	Alkaline Pickle (Etch)
80-T-35-2100	DA 2100	Chromic Acid Anodizing
MIL-A-8625 TY IA	ACA	Chromic Acid Anodize
GAMPS 6201	ACA	Chromic Acid Anodize 40 Volts
CVA 9-4	ACB	Chromic Acid Anodize 22 Volts
GAMPS 6201	ACB	Chromic Acid Anodize 22 Volts
MIL-A-8625 TYIB	ACB	Chromic Acid Anodize 22 Volts
CVA 2-186	AH	Hard Anodize
MIL-A-8625 TY III	AH	Hard Anodize
CVA 9-14	ASA	Sulfuric Acid Anodize
MIL-A-8625 TY II	ASA	Sulfuric Acid Anodize
80-T-35-1101 (PFA 173)	CC1	Chromating of Aluminum
208-9-64	CC1	Colored Chemical Film
MIL-C-5541 CLASS IA	CC1	Colored Chemical Film
MIL-C-5541 CLASS 3	CC3	Clear Chemical Film
QVA-Z10-55-00	DAZ1055	Penetrant Inspection
208-14-11	FPI	Fluorescent Penetrant Inspection
208-14-13 CL B	FPI	Fluorescent Penetrant Inspection
ASTM E 1417	FPI	Fluorescent Penetrant Inspection
GT23A	FPI	Fluorescent Penetrant Inspection
MIL-I-6866	FPI	Fluorescent Penetrant Inspection

VOUGHT AIRCRAFT Approvals (Continued) (Code: 025328)

MIL-STD-6866	FPI	Fluorescent Penetrant Inspection
ASTM E 1444	MPI	Magnetic Particle Inspection
MIL-I-6868	MPI	Magnetic Particle Inspection
MIL-STD-1949	MPI	Magnetic Particle Inspection
QVA-Z10-49-00	DAZ1049	Magnetic Particle Inspection
80-T-35-1200 (PFA 200)	PS	Passivation Austenitic Cres
80-T-35-1201 (PFA 201)	PS	Passivation Martensitic Cres
ASTM A 967	PS	Passivation
CVA 1-6	PS	Passivation
QQ-P-35	PS	Passivation
VSS 7021	PS	Passivation
80-T-35-3000 (PFA 203)	CD	Cadmium Plate
CVA 5-2	CD	Cadmium Plate
QQ-P-416	CD	Cadmium Plate
STP58-001(C-5 only)	58001	Cadmium Plate (F-22 & P-3 LMCA approval)

PROGRAM APPROVED PROCESSOR LIST

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GIV – G-5 – A340 – CF-34 – F100/G4 – CF6 – C-5 – Airbus DA	Vought Approvals
737 – 747 – 757 – 767 – 777 – C-17 – F-18	Boeing Approvals
B-2 – Global Hawk – E2-C – F-14	Northrop Grumman Approvals
F-22 – P-3 – C-130	Lockheed Martin Approvals
Airbus UK (AUK)	Airbus Approvals
V-22	Bell Approvals