

WEATHERFORD AEROSPACE, INC

Approvals

Contact: Todd Webster, Quality Manager
1020 E Columbia Street Phone: (817) 594-5464 ext 415
Weatherford, TX 76086, USA Fax: (817)594-7450
E-mail: todd@weatherfordaerospace.com

Sections:

1. BELL HELICOPTER TEXTRON
2. BOEING
3. BOMBARDIER
4. CESSNA
5. GULFSTREAM
6. KAMAN
7. LOCKHEED MARTIN
8. NORTHROP GRUMMAN / VOUGHT
9. VOUGHT AIRCRAFT INDUSTRIES
10. EMBRAER
11. VIKING
12. BF GOODRICH

1. BELL HELICOPTER TEXTRON #186692

Class 1 Classified Parts Approved

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| QPS 100 | 101 Quality System |
| | PRI Approved for Primary Parts |
| | CERT Approved for Critical and Primary Parts |
| | FLT Approved for Flight Safety, Critical and Primary parts |
| BPS 4089 | Fluorescent Penetrant Inspection |
| | IB1 Machined Parts (Water Washable) |
| | IB2 Machined Parts (Post-Emulsified) |
| | IB3 Castings, including IB1 (Water Washable) |
| | IB4 Castings,/Forgings, including IB2 (Post-Emulified) |
| BPS 4182 | QB1 Chemical Film of Aluminum, Class 1A |
| BPS 4389 | Chemical Milling |
| | QE1 Aluminum |
| | QE3 Stainless and High Alloy Steel |
| | QE5 Titanium |
| | QE6 Forgings |
| | QE7 Pre-Penetrant Etch of Titanium |
| | QE9 Pre Penetrant Etch Titanium |
| | SA Sheet Metal Assemblies (Complex) |
| | SB Sheet Metal Assemblies (Simple) |
| | SC Sheet Metal Details |
| BPS 4453 | IH1 Inspection, Conductivity of Wrought Aluminum Alloys to Determine Heat Treat Conditions |
| | PRI Approved for Primary Parts |
| BPS 4462 | Forming Titanium Sheet |
| | SN1 Cold Form |
| | SN2 Hot Form |
| | SN4 Cleaning and Descaling of Titanium Material to Section1 |
| | SO Roll Forming |
| | ZA Miscellaneous |

RESTRICTIONS/COMMENTS:

Code ZA approval is restricted to fill and drain of cross and skid tubes per B/P requirements

2. BOEING #640761--Plant 1 / #550503--Plant 2

Class A Subcontractors

| | |
|--------------|--|
| MIL-A-8625 | Chromic Acid Anodize Type I |
| BAC 5019 | Chromic Acid Anodizing - Classes 1, 3 and 5 |
| DPS 11.01 | Chromic Acid Anodize |
| DPS 11.01-3 | Chromic Acid anodize, Chromate Sealed |
| PS 13201 | Anodizing of Aluminum Alloys |
| MIL-C-5541 | Chemical Conversion Coating, Immersion Application Only (DIV X Exempt) |
| BAC 5719 | Chemical Conversion Coating for Aluminum, Immersion Application Only |
| BAC 5793 | Application of Corrosion Resistant Finish for Integral Fuel Tanks |
| DPS 4.50-127 | Fuel Tank Coating |
| ASTM-E-1417 | Penetrant Inspection |
| BSS 7039 | Liquid Penetrant Inspection |
| BAC 5423 | Penetrant Inspection |
| DPS 4.707 | Penetrant Inspection |
| PS 13201 | Anodizing Aluminum |
| BAC 5772 | Chemical Milling of Aluminum, Type 1 and Type 2 |
| BAC 5842 | Chemical Milling of Titanium Alloys |
| DPS 9.481 | Chemical Milling of Aluminum |
| DPS 9.483 | Chemical Milling of Titanium Alloys |
| DPS 9.484 | Chemical Milling of Corrosion Resistant Steel |
| PS 20022 | Chemical Milling |
| PS 20650.3 | Chemical Blanking of Steel |
| HP 18-4 | Chemical Milling Limited to Type 2 |
| BAC 5753 | Cleaning and Descaling of Titanium, Method II Only |
| | Chemical Testing Process Solution Control, In House Support Only |
| ASTM-B-117 | Salt Spray Testing, WAI Only |

3. BOMBARDIER #0000107525

Class A Subcontractors

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| BAPS 186 | Chemical Milling of Aluminum |
| BAPS 186-03 | Chemical Milling of Titanium and Titanium Alloys |
| PPS 42.01 | Chemical Milling of Aluminum and Aluminum Alloys |
| MPS 176-02 | Flourescent Penetrant Inspection |
| BAPS 138-43 | Application of Fluid Resistant Epoxy Primer, Limited to Curing in Paint booth Only |
| MPS 180-1 | Alkaline Cleaning |
| BAPS 180-30 | Alkaline Etching of Aluminum Alloys |
| MPS 180-31 | Cleaning and Deox of Corrosion and Heat Resistant Alloys and Titanium Alloys |
| MPS 180-32 | Acid Cleaning and Deox of Aluminum Alloys |
| CTS-0002-1B | Chemical Testing; Treatment Solutions and Waters |
| CTS-0002-5A | Corrosion Testing |

4. CESSNA #953511

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| CSMP 044 | Chemical Milling of Metals |
| CSFS 027 | Chemical Film, Chromate Conversion Coatings for Aluminum and Aluminum Alloys |
| CSFS 035 | Chemical Cleaning of Metals |
| CSFS 039 | Solvent Cleaning-Liquid |
| CSFS 084 | Coatings, VOC Compliant, Application |
| CSFS 007 | Application of Organic Coatings |
| CSFS 040 | Paint Stripping |
| CSTI 008 | Electrical Conductivity Testing |
| CSTI 028 | Hardness Testing of Metals |

5. GULFSTREAM AEROSPACE #18640

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| ASTM-B-117 | Material Test-Salt Spray |
| GAMPS 3103 | Finish Paint, Topcoat and Primers |
| 3104 | |
| 3105 | |
| 3115 | |
| 3116 | |
| 3205 | |
| GAMPS 3102-7 | Finish Paint Protective Coatings |
| GAMPS 2701 | Chemical Milling of Aluminum |
| GAMPS 2702 | Chemical Milling of Steel |
| GAMPS 6201 / MIL-C-8625 | Chromic Anodize, Type 1 |
| MIL-C-5541 | Conversion Coat of Aluminum, Class 1 & 3 |
| MIL-STD-6866 / ASTM -E-1417 | Fluorescent Penetrant Inspection |

6. KAMAN #232544-00

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| McDonnell Douglas Approved | |
| QIP 06-02A | DIR Supplier |
| MIL-I-45208 | Inspection System |
| KPS 228/MIL-C-81769 | Chemical Milling |
| GSS 9030 / MIL-A-8625 | Finishing-Anodizing-Chromic, Type 1 |
| GSS 9010 / MIL-C-5541 | Finishing-Conversion Coat |
| KPS 950 / MIL-P-85582 | Epoxy Primer |
| GSS 4310 | Paint and Finish-Primers |
| GSS 4401 / MIL-F-18264 | Paint and Finish-Enamels |
| GSS 4402 / MIL-L-19537 / 19538 | Paint and Finish - Acrylics |
| GSS 4501 | Paint and Finish-Epoxy |
| MIL-C-85285 | Painting, Type 1 |
| G-102 / MIL-P-23377 | Epoxy Primer-High Solids |

7. LOCKHEED MARTIN EXP: #006055 & 192965

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| QCS-001 | Control of Process |
| FPS 1051 | Aluminum Chemical Milling |
| FPS 1051 | Titanium Chemical Milling |
| NDTS 1500 / 1501 | Hardness Testing |
| NDTS 1500 / 1502 | Conductivity Testing |
| NDTS 1101 | Penetrant Inspection - Zone 1A Fracture Critical Penetrant Inspection Approved, No Zone 1B or 1C |
| MIL-A-8625 | Chromic Anodize, Type 1 and 1B |
| MIL-DTL-5541 | Chemical Conversion Coating Type 1 Chem Film |
| FPS 3035 | Seal Bond Primer Application, Limited to Form 2 Primer |
| MIL-F-18264 | Prime and Paint |
| 5PTPAG51 | Chemical Milling Aluminum, Ferrous, and Titanium, limited to P/N/ 5HF42418-107 and 5HF41410-109 (113) for LAI only |
| 5PTPTT02-D | Fracture / Durability Critical Parts |
| 5PTPTT11-A | Mission / Safety & Selected Durability Mech. Equipment |
| 5PTPTT12-B | Wind Swept Surface Parts |

8. NORTHROP GRUMMAN #864280

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| GT23A | Fluorescent Penetrant Inspection |
| ASTM-E-1417 | Liquid Penetrant Inspection |
| GP17G | Pre-Penetrant Etching |
| AMS-C-81769 | Metals, Chemical Milling of; Limited to Aluminum and titanium only |
| MA-63 | Chemical Milling of Aluminum |
| GSS 26100 | Chemical Milling of Aluminum Alloys |

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| GSS 26300 | Chemical Milling of Titanium and Titanium Alloys |
| ASTM-B-177 | Standard Practice for Operating Salt Spray (Fog) Apparatus |
| MIL-DTL-5541 | Chemical Conversion Coatings for Aluminum and Aluminum Alloys |
| MIL-A-8625 | Anodic Coatings for Aluminum and Aluminum Alloys |
| GSS 5300 | Forming and Straightening of Aluminum Alloys, Limited to Cold Forming |
| GSS 4310 | Application of Epoxy Polyamide Primer |

9. VOUGHT AIRCRAFT #864280

Preferred Performer Program Supplier (P3)

208-2-5 Chemical Milling of Aluminum

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| STP51-402 | Chemical Milling of Aluminum Alloys, Limited to C-5 items only |
| VSS 26100 | Chemical Milling of Aluminum |
| GAMPS 2701 | Chemical Milling of Aluminum |
| VSS 26201 | Chemical Milling of Steel |
| VSS 26300 | Chemical Milling of Titanium |
| 208-4-3 | Chemical Milling of Titanium |
| CVA 13-558 | Chemical Milling of Steel and Aluminum |
| MIL-C-81769 | Chemical Milling of Steel, Aluminum and Titanium |
| GAMPS 6201 | Anodize - Chromic Acid - 40v |
| CVA 9-4 | Anodize - Chromic Acid - 20 +/-2V |
| MIL-A-8625 | Anodize - Chromic Acid, Type 1A and 1B |
| 80-T-35-1101 | (PFA173) Airbus DA Chromating of Aluminum/Aluminum Alloys |
| 208-9-100 | Cleaning and Etching of Aluminum |
| GP17G | Cleaning and Etching of Aluminum |
| VSS 7015 | Cleaning of Titanium |
| 208-4-5 | Cleaning of Titanium |
| CVA 4-165 | Cleaning of Titanium |
| MIL-C-5541 | Chemical Film for Aluminum, Class 1A and 3 |
| 208-9-64 | Chemical Film - Colored for Aluminum Alloy |
| ASTM-E-1417 | Fluorescent Penetrant Inspection |
| GT23A | Fluorescent Penetrant Inspection |
| MIL-I-6866 | Fluorescent Penetrant Inspection |
| MIL-STD-6866 | Fluorescent Penetrant Inspection |
| 208-14-11 | Fluorescent Penetrant Inspection |
| 208-14-13 | Fluorescent Penetrant Inspection, Class A & AA |
| 208-14-13 | Fluorescent Penetrant Inspection, Class B |

10. EMBRAER

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| NE 40-012 AB | Metallic Parts - Cleaning |
| NE 40-030 P | Aluminum and Its Alloys - Anodic Coatings in Chromic Acid |
| NE 07-001 J | Liquid Penetrant Inspection |
| NE 40-159 G | High Solids Epoxy Primer (MEP10-068) for Exterior Metallic Parts-Application Requirements |
| NE 40-160 N | High Solids Polyurethane and Metallic (MICA) Enamel (MEP 10-069)-Application Requirements |

11. VIKING

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| VPS 42.01 | Chemical Milling of Aluminum Alloys |
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12. BF GOODRICH

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| MIL-A-8625 | Chemical Milling of Aluminum Alloys |
| QA-111 | Section 2 |
| RPS 14.06 | Chemical Milling of Aluminum Alloys |