



FP, CP, BRD, CFC, OP, EB, FAA PO Requirements

If applicable, Supplier is responsible for meeting all the latest industry specific requirements for the following:

FP# = Fabricated parts

CP# = Casted parts

BRD# = CCA Mfg / PWB industry

CFC# = Cable & Flex cable industry

OP# = Optics industry

EB# = Electronics broker

FAA # = Federal Aviation Administration

Industry Specific Requirements on Fabricated Parts

| # | Subject | Requirement(s) |
|-----|---|---|
| FP1 | Mil-C-5541 Class 1A or Class 3 | Superseded by MIL-DTL-5541 (states when a type is not specified on a drawing to default to Type 1 – Extant Aerospace concurs with this default unless specified otherwise). |
| FP2 | Conversion Treatments (Chem film, Anodize, plating) | To be performed by NADCAP certified facilities. |
| FP3 | Welding | To be performed by an AWS certified Welder, inspection to include X-Ray & Salt Entrapment or Dye Penetration, by an AWS CWI, print requirements take precedence. |



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|--|--|--|
| FP4 | Primers & topcoats | <p>They shall be QPL items, and shall be processed IAW MIL-DTL-53072 (latest Revision) when the drawing does not specify MIL-DTL-18264 or MIL-F-18264:</p> <p>MIL-PRF-22750 Coating, Epoxy, High-Solids. MIL-PRF-23377 Primer Coatings: Epoxy, High-Solids. MIL-PRF-32348 Powder Coating, Camouflage Chemical Agent Resistant Systems. MIL-DTL-32459 Coatings, Anodic for Magnesium and Magnesium Alloys. MIL-PRF-32550 Metal-Rich Primer. MIL-DTL-53022 Primer, Epoxy Coating, Corrosion Inhibiting Lead and Chromate Free. MIL-DTL-53030 Primer Coating, Epoxy, Water Based, Lead and Chromate Free. MIL-DTL-53039 Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant. MIL-DTL-53084 Primer, Cathodic Electrodeposition, Chemical Agent Resistant. MIL-DTL-64159 Camouflage Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant. MIL-DTL-81706 Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys. MIL-T-81772 Thinner, Aircraft Coating. MIL-PRF-85582 Primer Coatings: Epoxy, Waterborne. MIL-PRF-85285 Coating: Polyurethane, Aircraft and support Equipment.</p> |
| FP5 | Assembly of 3 or more fabricated parts (Not COTS), | Q23 applies (Source verification of FAIR) |
| Casted Parts (Investment or Sand) | | |
| CP1 | Investment Casting | To be inspected per AMS-STD-2175 Class 4 Grade C which requires X-Ray and 100% dye penetration testing, print requirements take precedence. |
| CP2 | Sand Casting | To be inspected per AMS-STD-2175 Class 4 Grade C which requires X-Ray and 100% dye penetration testing, print requirements take precedence. |
| CCA Manufacturing / PWB Industry | | |
| BRD1 | CCAs | To be certified and inspected to IAW IPC 610 or equivalent (When class is not specified, the default class will be class 2) |
| BRD2 | Microelectronics | To be inspected per IAW MIL-STD-883 |
| BRD3 | Hybrid | To be inspected per IAW MIL-STD-1772 |



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| BRD4 | PWB (Printed Wiring Board) | <p>To be certified per Product Classification as follows: Military Applications to MIL-PRF-31032 or MIL-PRF-55110 and inspected to IPC 600 class 3 unless specified differently. Commercial Applications are to be certified to IPC-6012 Class 2 and inspected IAW IPC-600 class 2 unless specified differently</p> <ol style="list-style-type: none"> 1. Detailed requirements and applicable specifications (MIL or IPC) are defined in the bare board drawing. Any drawing or specification noncompliance shall be communicated to Extant Aerospace Quality Engineering. 2. Printed wiring boards furnished under military specifications shall be from manufacturers that have current QPL/QML certifications. 3. Visual inspection shall be performed in accordance with the applicable specification. Small lot sampling is not permitted. 4. Test coupons strips and micro-sections shall meet the Performance Specification and applicable Design Specification. If no design specification is referenced, the default is IPC-2221. 5. Micro-sections, Solder Samples and coupon strips shall be delivered with each manufacturing lot 6. 100% electrical test results shall be recorded indicating quantity tested; quantity passed/failed, test parameters, and shall be traceable to the production lot. 7. If Impedance requirements are specified on the drawing, testing of each manufacturing panel must be performed. Time Domain Reflectance (TDR) test results shall be provided with shipment. 8. LCI/Group A/Acceptance Testing shall be performed on each production lot utilizing inspection in accordance with the appropriate Performance Specification as referenced on the drawing. |
| Cable & Flex Cable Industry | | |
| CF1 | Flexible PWB Quality Requirements | Must meet the requirements of MIL- PRF-50884 and inspect IAW IPC 6018 |
| CF2 | Workmanship | To be inspected IAW IPC 620. (When class is not specified, default to class 2) |
| Optics Industry | | |
| OP1 | Glass products | To be manufactured and inspected IAW MIL-PRF-13830. Inspection guidelines for Scratch / Dig. Glass to have Chamfer unless specified otherwise. |
| Electronics Broker | | |
| EB1 | ERAI | Member of Electronic Resellers Association International |
| EB2 | Complete SIF-QA-134 | Extant Aerospace reserves the right to audit the facility. |
| EB3 | GIDEP | Must be a member of GIDEP |



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| EB4 | Components | Are screened to AS6081 by an Extant Aerospace approved facility |
| Repair Station Supplier | | |
| FAA1 | FAA | <p>Federal Aviation Administration (FAA) Regulations For Extant Aerospace, the following requirements apply when the contract is for products/services under the authority of regulatory agencies (reference www.faa.gov):</p> <ul style="list-style-type: none"> • FAA Certification • When specified on the contract, the Supplier shall submit a completed FAA Form 8130-3, executed in accordance with the requirements of FAA Order 8130.21, for all work performed. • Parts Manufacturer Approval (PMA) Certification • When the contract requires the Supplier to furnish replacement or modification parts, such parts shall be manufactured and certified in accordance with Title 14 CFR 45, Subpart B, § 45.15 and submitted to Extant Aerospace with FAA Form 8130-3 executed in accordance with FAA Order 8130.21. • Anti-Drug and Alcohol Misuse Prevention Program <p>All Supplier employees (including any Supplier's sub-tier employees) performing maintenance or inspection of products scheduled for delivery to Extant Aerospace shall be included FAA approved Anti-Drug and Alcohol Misuse Prevention Program. The requirement applies both to preemployment and random testing of current employees in accordance with the requirements of 14 CFR Part 121, Appendix "I" and Appendix "J". Evidence of compliance to this requirement shall be made available to Extant Aerospace upon request.</p> |