CFAN SUPPLIER QUALITY REQUIREMENTS

This Document describes CFAN's Quality Requirements for its suppliers and is intended to aid in their understanding of our requirements and mechanisms of communication and reporting.

Requirements and Hierarchies

This document specifies the standard quality system requirements necessary for suppliers to provide material, process materials, tooling, or services to CFAN. This document applies when referenced on CFAN purchase orders via standard remark S13 and satisfies the applicable flow down requirements of Federal Aviation Regulation Part 21, ISO9002, AS9100 and applicable customer specifications. Refer to paragraph B of this document for applicability of AS9100 and GE S-1000.

In the event of conflict in requirements, the order of precedence shall be:

1st Applicable CFAN Purchase Order.

2nd Standard Remarks Listed on the Purchase Order

3rd Drawings referenced on the Purchase Order

4th Specifications referenced on the Drawings

5th This Specification

The requirements of this document shall be satisfied, in addition to all detailed requirements specified or referenced in the purchase order, drawings, and specifications. Acceptance of the Supplier's quality system and any other plans or procedures shall not be construed as cause for acceptance of material or service per Purchase Order.

CFAN'S Mission and Values

Our Mission is to Propel the Aerospace industry by manufacturing leading edge composite fan blades and associated products with innovative process technology that delivers unparalleled value for our customer and creates competitive advantage for our partners.

CFAN Values include an unyielding commitment to integrity, Quality, and Safety. Our Behaviors are guided by these core values: Accountability, Adaptability, Inclusiveness, and Trust. We hope to include you in these values to create an atmosphere of teamwork to ensure our mutual success.

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DEFINITIONS

For purposes of this document, the definitions listed in ISO9000 2015 apply. Definitions specifically stated in this document supersede those in ISO9000 2015.

Process materials – Consumable materials used in the manufacture of a product that do not become a physical part of the product at any time during the manufacturing process, such as gloves, scalpels, or bagging film. This definition does not include tooling, equipment, gauges, or shop aids.

Material – Any materials defined on the drawing or BOM of a manufactured product. This does not extend to material constituents that are not called out on a BOM or related drawing.

A. CFAN's RIGHT TO AUDIT, ACCESS, AND RECOURSE

1. The Supplier's quality system shall be subject to initial and periodic audit and acceptance by CFAN, its customers, and Governmental or Regulatory Agencies (e.g., the Department of Defense or the Federal Aviation Administration) to the extent required to determine the Supplier's continued conformance to requirements and to evaluate the supplier's continued capability to provide material/services to CFAN. The supplier should provide a current process map to facilitate the audit process.
2. CFAN reserves the right to conduct audits and/or witness manufacturing operations, inspections, and tests as necessary to verify conformance of material or services to purchase order requirements. The Supplier shall provide CFAN, its customers, Government or Regulatory Agencies, or Certifying Agencies with reasonable facilities, equipment, records, and assistance as required in the course of verifying conformance.
3. CFAN reserves the right, at all levels of the supply chain, for access to applicable areas of supplier facilities and applicable documented information held by suppliers. This right of access extends to CFAN personnel and customers, regulatory authorities, and certifying agencies.
4. Costs incurred by CFAN as a result of a supplier's lack of adherence to purchase order and/or quality system requirements will be itemized and reviewed with the supplier. CFAN reserves the right to charge back these costs to the supplier per the general indemnification clause in CFAN's Terms & Conditions.

B. SUPPLIER'S RESPONSIBILITY

1. For CFAN purchase orders containing standard remark S39 - The Supplier shall establish, implement, and monitor an effective quality system in accordance with all aspects of Aerospace Standard AS9100D. The supplier will be certified to AS9100D and will provide CFAN with an updated certificate upon request or when renewed.
2. For CFAN purchase orders containing standard remark S23 - The supplier shall meet all requirements of GE Aviation specification S1000, "GE Aviation Quality System Requirements for Suppliers".
3. The supplier must notify CFAN of any change in company name, facility location, or suppliers of materials. This required notification must be in writing and must occur at least 90 calendar days prior to the introduction of the change on any CFAN product. For changes concerning sub-tier material supplier or the material itself, in addition to notification, the supplier must obtain prior written approval of the change from CFAN. This approval requirement is not applicable to changes in sub-tier suppliers of process materials. This approval requirement is not applicable to changes in material distributors provided they are supplying the exact same material from the exact same manufacturer from the exact same site.
4. The supplier must keep a record of process materials in use with implementation and/or removal dates. These records shall include source, part number, and description. This information must be provided to CFAN upon request within 5 business days.
5. The supplier shall ensure that their employees are aware of their contribution to product conformity and safety, and the importance of ethical behavior.
6. The supplier shall implement a program for the prevention and elimination of foreign material contamination in the products or materials supplied to CFAN.
7. The supplier must manage and distribute any CFAN provided export-controlled documents or other information in accordance with applicable government regulations.
8. Supplier shall ensure that counterfeit parts or materials cannot be accepted, processed, or shipped to CFAN.

C. CONTRACT REVIEW

1. The Supplier shall review CFAN's requirements prior to acceptance of the CFAN purchase order to assure that all requirements can be satisfactorily met.
2. All documents and specifications that flow down from the CFAN purchase order are subordinate to that purchase order.

D. DOCUMENT CONTROL

1. The supplier is responsible for obtaining and maintaining current revisions of referenced or otherwise required Government and Industry standards and specifications. **The supplier is responsible to pass the applicable information to sub-tier sources.**
2. CFAN's requirements shall be directed to the Supplier in writing. Verbal instructions are not valid or binding.
3. The supplier shall coordinate with CFAN Quality regarding implementation timing associated with any change to drawings or specifications.

E. RECORDS AND RETENTION

1. Product Acceptance Records shall be maintained for 25 years. Electronic media shall remain readable throughout the retention period.
2. Supplier ceasing operations shall contact CFAN Quality for instructions on disposition of records.

F. CFAN FURNISHED MATERIAL

1. When material (including semi-finished, and finished parts or assemblies) is furnished by CFAN, CFAN's procurement document will describe what is being furnished and any CFAN required testing to be performed by the Supplier. As a minimum, the Supplier shall provide the necessary inspection to detect transit damage and to ensure the correct material has been furnished by verifying the material identification. CFAN approval is required if the finished parts are produced from material other than that furnished.
2. When equipment, tooling, fixtures, etc. are furnished by CFAN or CFAN's customers, CFAN's procurement document will describe what is being furnished and any CFAN inspection to be performed by the Supplier. CFAN procurement document will also describe the care, handling, storage and return of the items being furnished. Supplier will take appropriate care in handling customer owned items and see that their condition is protected and that items are returned in a timely manner when required.

G. CONTROL OF PURCHASES

1. Supplier shall ensure that all CFAN Purchase Order requirements are passed on to sub-tier manufacturers/suppliers as applicable.

H. SIGNIFICANT AND SPECIAL PROCESS APPROVAL

1. For Suppliers that are subject to GE S-1000, Supplier and sub-tier Suppliers shall ensure each special process is approved either by the GE Aviation Certifying Agent or through eCAV. Significant processes must be approved through the GE Significant Process Substantiation (SPS) system. Contact CFAN Quality to obtain access to the eCAV and/or SPS applications. Once approval has been obtained through the eCAV and/or the SPS applications from GE, a copy shall be sent to CFAN Quality for approval concurrence.
2. For Suppliers that are subject to GE S-1000, Supplier and sub-tier Supplier material testing must be performed by labs that are approved to GE specifications S400 or S450. Contact CFAN Quality for assistance obtaining lists of certified labs through the GE SCORE application if needed.

I. FIXED PROCESS CONTROL

1. For Suppliers that are subject to GE S-1000, a process control document (PCD) or a tech plan will document which process parameters cannot be changed without prior customer approval. Contact CFAN quality for guidance on requirements and applicability.

J. NONCONFORMING MATERIAL

1. The Supplier shall have a documented system that addresses and controls all nonconforming material.
2. Supplier shall ship no nonconforming parts or materials to CFAN unless prior written approval has been obtained through the use of Vendor Shipment Prerelease form #CF0958. Contact CFAN quality or purchasing for guidance. A hardcopy of the approved form must be included with the affected parts when shipped to CFAN.
3. CFAN Buyer will be the primary contact for any RMA (return material authorization) or RTV (return to vendor) activities.
4. Supplier shall have a written procedure describing notification to CFAN for any nonconforming or counterfeit items that have been inadvertently shipped to CFAN without prior notification. CFAN will need the following information at a minimum:
   a. Nonconformance description, specifically what drawing/specification requirement has been violated
   b. Part Numbers
   c. Quantity of Parts
   d. Serial Numbers/Lot Numbers
   e. Picture/Diagram/Sketch of Nonconformance
   f. Containment Plan
   g. First Date Shipped/Last Date Shipped/Quantity Contained at Vendor
   h. Suspected Root Cause
   i. List of Preliminary Corrective Action(s)

   As soon as the non-conformance or counterfeit is known, the supplier shall inform CFAN within 48 hours maximum.

K. PREPARATION FOR SHIPMENT

1. Supplier shall ship no parts or materials that are pending FAI, ECav, SPS approvals, or any other requirements to CFAN unless prior approval has been obtained through the use of aVendor Shipment Prerelease document form #CF0958. Contact CFAN quality or purchasing for guidance. A hardcopy of the approved form must be included with the affected parts when shipped to CFAN.
2. The Supplier shall meet all purchase order requirements with regard to shipping and packaging.
3. CFAN standard remark 35 requires use of a Supplier Self-Release Delegate. If this remark is invoked via PO, contact CFAN quality to determine details of deployment.

L. SUPPLIER SCORECARD

1. The CFAN buyer and Supplier Quality Engineer will establish and monitor quality performance metrics for each supplier. The supplier's performance to these metrics will be reviewed with the supplier on a periodic basis. These reviews can result in the requirement for actions by the supplier relative to failure to meet metric objectives.

REVISION DATE	REVISION	DESCRIPTION OF REVISION CHANGES
11/15/1993	Tony Magana OI	Original issue.
9/8/1998	Al O'Donnell A	Add new Material N/C Review Case Record; update organizational charts and plant layout.
2/1/2000	Vicki Leclerc B	Remove case record and repair forms.
8/26/2004	Vicki Leclerc C	Additions/corrections indicated in left margin on pages 2, 4 and 5.
8/8/2014	Vicki Leclerc D	Update format; minor changes where noted within the document text; Updated approval signatures.
6/9/2015	Vicki Leclerc E	Added statement concerning CFAN approval for changes in product, process, supplier, manufacturing facility location.
1/29/2018	David Crain Conor Brantley Vicki Leclerc F	Complete Rewrite.
9/26/2018	David Crain Vicki Leclerc G	Added Vicki Leclerc as engineering contact. Added statement concerning CFAN approval for changes in product, process, and supplier.
1/7/2020	Vicki Leclerc David Crain H	Updated referenced standard remarks, updated Quality Culture statement, Supplier Responsibilities remark, and remark on nonconformance material.
3/4/2021	David Crain Felix Esomeju J	Complete Rewrite.
3/8/2021	David Crain Frederic Michel K	Removed First Page of Document and reformatted.
8/23/2023	David Crain Jean-Baptiste Vaney L	Updated CFAN'S Mission and Values, Definitions (specifications and material), Supplier Responsibility, Document Control, Records Retention, Nonconforming Material. Removed Quality Assurance Plan. Removed Management from Section 3.

Revision: L	Dated: August 23, 2023
ELECTRONICALLY SIGNED. SEE ATTACHED LAST PAGE.	

DMS Workflow Details

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Tasks | History

Title	Assigned To	Status	Task Outcome	Comments	Completed Date
Task assigned (Department Manager)- review of Operating Procedure, Q999, CFAN Supplier Quality Requirements	Jean-Baptiste Vaney	Completed	Approved	Need to clarify what we request for metal powder used for DMD (Barnes 9X MLEs), but can be done in the next revision	08-24-2023 09:04 PM