



**COMPLEX**  
FABRICATORS

Title: CFI Supplier Quality Requirements  
(SQ Clauses)

1620 South Awl Circle

Date of Release: 2/24/23

Revision: 1

Salt Lake City, Utah 84104

Date Printed:

Approvals:

President and CEO

General Manager and  
Executive VP


Quality Manager

### Document Control

This document is controlled. Complete and current copies are available on Complex Fabricator’s website ([www.complexfab.com](http://www.complexfab.com)). Printed pages from this manual are uncontrolled.

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## 1. PURPOSE

The purpose of this document is to consolidate and communicate Complex Fabricator’s (CFI’s) expectations and requirements (Supplier Quality Clauses) of suppliers of materials, parts, and services. The document is available to view on CFI’s website ([www.complexfab.com](http://www.complexfab.com)).

## 2. SCOPE

This document defines the supply chain quality requirements applicable when goods and services are procured by Complex Fabricators Inc. The requirements herein may be modified by flow downs on the CFI purchase order (PO). Such flow downs may add additional requirements, or they may allow exceptions to requirements; therefore, it is critical that suppliers review the purchase order for all contractual flow down requirements.

Unless modified by the purchase order, these requirements apply to all direct procurement purchase orders for items including raw materials, manufactured parts, hardware, standard catalog hardware (COTS), and subcontracted processes such as heat treating, plating, painting, machining, testing, etc. These requirements do not apply to CFI indirect procurement of general supplies unless otherwise stated in the contract or purchase order.

## 3. SUPPLIER QUALITY REQUIREMENTS (SQ CLAUSES)

### SQ01 General Terms and Conditions of Purchase

CFI’s Terms and Conditions of Purchase Listed under the “Terms” heading on CFI’s website ([www.complexfab.com](http://www.complexfab.com)) apply to this order.


### SQ02 Quality Management System

- A. Seller shall maintain a documented Quality Management System
- B. Seller shall provide and maintain a Quality System that is compliant to ISO 9001
- C. Seller shall provide and maintain a Quality System that is registered to ISO 9001
- D. Seller shall provide and maintain a Quality System that is compliant to AS9100
- E. Seller shall provide and maintain a Quality System that is registered to AS9100

### SQ03 Certificate of Conformance

A Certificate of Conformance shall be provided with each shipment with the following information at a minimum:

- a. Seller’s name, address, and phone number
- b. Procurement Document Number and Line-Item Number
- c. Identifying nomenclature such as Item Name, Part Number, Revision, Serial Numbers, etc.
- d. Quantity shipped
- e. Conformance Clause: “The items furnished per Buyer’s procurement document have been manufactured, tested, and inspected in accordance with the requirements of the applicable specifications/drawings and the results of such tests and inspections meet the requirements thereof.” (Or equivalent wording)
- f. The Certification of Conformance shall be signed by Seller’s duly authorized representative.

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**SQ04 Raw Material Test Reports**

Actual chemical/physical test results that substantiate compliance with the applicable raw material and/or specification requirements shall be provided.

**SQ05 Inspection Records**

Seller shall submit, with each shipment of items, one copy of an inspection report reflecting inspection verification of all drawing characteristics, including notes, for all products. The report shall delineate each drawing characteristic and specify the corresponding actual measurement results. Records shall identify any non-conformance and shall be made available for CFI’s review. Nonconforming material must be identified and documented, segregated, or bonded, pending disposition when found, to prevent its unintended release or use, and evaluated to determine the actions necessary to contain its effect on other processes or products.

**SQ06 Sampling Inspection**

Seller shall submit with each shipment of items, one copy of a statistically valid sampling inspection report. Sampling inspection shall be in accordance with ANSIASQCZ1.4-11, MIL-STD-414, handbooks H016, H017, and H018, or Micholas L. Squeglia Zero Acceptance Number Sampling Plans.

**SQ07 AS9102B First Article Inspection**

Seller shall submit, with each shipment of items, one copy of an AS9102B First Article Inspection report.

**SQ08 CFI First Article Source Inspection**

CFI will be present (or provide a representative) to perform First Article inspection at Seller's facilities or where designated in the Procurement Document. Production will not proceed until First Article Approval is given.

**SQ09 CFI Source Inspection**

CFI will be present (or provide a representative) to perform source inspection at Seller's facilities or where designated in the Procurement Document prior to shipment.

**SQ10 CFI’s Customer Source Inspection**


CFI’s s customer will perform final inspection at the supplier’s facility prior to shipment of product. The Supplier will notify the Buyer’s representative at a minimum of 2 weeks prior to date that source inspection is required.

**SQ11 Serialization and Traceability**

Inspection record traceability shall be maintained by either serializing each item, if allowed, or tag identification. The item identification is then matched with the corresponding inspection report.

**SQ12 Control/Calibration of Measurement and Test Equipment**

Seller shall be responsible for the calibration, accuracy, validation, and maintenance of any equipment, tooling, or gauges utilized by Seller to produce, inspect, or test articles to be delivered under this

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Procurement Document. Documented schedules shall be maintained for periodic calibration to adequate standards. Objective evidence of calibrations shall be recorded and made available for CFI’s review.

**SQ13 Calibration System Requirements**

Seller’s equipment calibration system shall be in accordance with one of the following four requirements:

1. MIL-STD-45662A or
2. ANSI/NCSL Z540-1 or
3. ISO 10012-1 or
4. ISO 17025

**SQ14 Control of Special Processes**

Special processes including, destructive physical analysis, nondestructive testing, brazing, dye penetrate inspection, painting, radiographic inspection, plating, heat treating of metals, casting, chemical surface treatments, forging, contamination control, bonding, magnetic particle inspections, composites, soldering, pressure test, and ultrasonic inspection and etc. shall be qualified according to the applicable specifications and performed by qualified personnel. Process certifications shall be provided. Process and Personnel qualification records shall be provided when requested by CFI.

**SQ15 Welding Process Certification**

Welding process shall be qualified according to the applicable specifications and performed by qualified personnel. Process certifications shall be provided. Weld Process Specifications (WPS) and Personnel Qualification Records (PQRs/WQRs) shall be provided when requested by CFI.

**SQ16 Unique Identification (UID)**

Defense Federal Acquisition Regulation Supplement (DFARS) clause 252.211-7003, Item Identification and Valuation shall be applied to this Procurement Document. UID shall be in compliance with MIL-STD-130 (latest revision).

**SQ17 Electrostatic Discharge Control (ESD)**

Seller shall provide and maintain a program for Electrostatic Discharge (ESD) control for hardware items to be furnished for this procurement in accordance with MIL-STD-1686, ANSI-S20.20, EIA 625, or equivalent standard.

**SQ18 Electrostatic Discharge (ESD) Protective Packaging**


Items shall be packaged to prevent damage through all phases of production, transportation, and storage with ESD protective material. All packages shall be identified with a suitable precautionary label.

**SQ19 Homogeneous Heat Lots**

All parts must be manufactured from raw material of the same heat lot. When this is not possible, parts will be segregated and identified according to the corresponding material heat lot.

**SQ20 Contamination, Foreign Object and Debris (FOD) Prevention**

Per AS9100D section 7.5.1 para (i) and section 7.5.5 para (b) and applicable customer requirements,

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the supplier shall take reasonable measures that provides the prevention, detection, and removal of Foreign Object Debris (FOD) that is unacceptable to our customers, from being on or in products provided. Supplier shall ensure that the work environment needed to achieve conformity of product and service requirements includes the elimination of contamination or foreign objects being introduced during any manufacturing, testing or packaging activities. This requirement is applicable to the extent of the supplier’s business activities.

Definition – Foreign Object Debris: Any substance, debris, or article alien to the product (materials, parts, or assemblies) which could potentially cause damage, or which is not acceptable to be on or in product delivered to the customer; anything that is where it doesn’t belong can be considered “FOD”.

**SQ21 Counterfeit Parts Avoidance**

The supplier shall take reasonable measures that provide for preventing the purchase and/or use of counterfeit materials/parts and to meet the requirements of the AS9100D Standard and applicable customer requirements.

Definition - Counterfeit Part: A suspect part that is a copy or substitute without legal right or authority to do so, or one whose material, performance, or characteristics are knowingly misrepresented by a supplier in the supply chain.

**SQ22 NADCAP Accreditation**

Supplier must be NADCAP accredited to perform special processes associated with this purchasing document.

**SQ23 Specialty Metals (Domestic (USA) or DFARS Qualifying Countries)**

Sellers providing products containing specialty metals shall ensure the product is compliant with DFARS 252.225-7009, “Restriction on Acquisition of Certain Articles Containing Specialty Metals”.

**SQ24 Control of Government Furnished Property (GFP)**

Supplier shall maintain a process for, and manage Government Furnished Property in accordance with FAR 52.245-1

Note: GFP refers to property used by a contractor during the performance of a DoD government contract. Government furnished property can be designated as either equipment or material.

**SQ25 Requirements Flow Down**

Supplier shall flow down applicable requirements to all of their suppliers to ensure CFI’s requirements are achieved at all tiers within the supply chain.

**SQ26 DPAS Rated Orders**

If this is a DPAS rated order certified for National Defense Use, and you are required by law to follow the provisions of the Defense Priorities Allocations System (15 CFR 700). Authorized vendor representative must accept or reject a rated order in writing or electronically within fifteen (15) working days after receipt of a "DO" rated order, and within ten (10) working days after receipt of a "DX" rated order. If the order is rejected, the representative must give reasons in writing (NOT electronically) for the rejection, directed to the listed Buyer on the subject order. If a rated order has been accepted, and vendor/vendor's representative subsequently finds that shipment or performance will be delayed, notification must be



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provided to IDSI immediately, providing the reasons for the delay, and advising of a new shipment/performance date. If notification is given verbally, written, or electronic confirmation must be provided within five (5) working days.

**SQ27 Requirements for Distributors**

A. The Distributor (a Seller other than the Manufacturer) shall certify that the articles delivered under this Procurement Document conform to the applicable requirements of Buyer’s or Manufacturer’s specifications for the article ordered.

B. The Distributor certification of conformance shall include the following information:

1. Distributor’s name and address
2. Complex Fabricator’s Purchase Order Number
2. The origin of manufacture
3. Part number
4. Applicable traceability information (date lot code, etc.)
5. Results of testing or special inspection, as required.
6. Dated signature of authorized Seller Representative
7. Items identified by Buyer number shall have complete information as to the original manufacturer and original manufacturer's part number

C. The Distributor shall maintain and provide evidence of material authenticity (chain of custody) back to the Original Component Manufacturer/Original Equipment Manufacturer/Authorized Aftermarket Manufacturer. The Certification shall clearly identify the name and location of all of the supply chain intermediaries from the original manufacturer to the final source of the product delivered to Complex Fabricators.

**4. REVISION/CHANGE RECORD**

Revision	Date	Revision/Change Description	Pages Affected
1	02/27/23	Initial Release	All