

FIRST ARTICLE

1.0 Definition of terms:

1.0.1 The term “shall”, “will” and “may” are used with specific intent thought-out these documents and will observe the following rules:

- 1.1** Requirements defined using “**shall**” in the text are mandatory requirements and are considered to be binding and require formal verification. Departure from such a requirement is not permissible without formal agreement between Subcontractor and CSPI.
- 1.2** Requirements defined using “**will**” in the text expresses a provision or service by CSPI or an intention by CSPI in connection with a requirement of this document. The subcontractor is implicitly authorized to rely on such service or intention.
- 1.3** The word “**may**” in the text expresses a permissible practice or action. It does not express a requirement of this document.

2.0 First Article

2.1. First Article Inspection (FAI) Process an independent First Article Inspection conforming to the requirements of CSPI plan required for items manufactured, assembled and tested to CSPI controlled drawings and specifications unless otherwise specified in documentation attached to this Purchase Order. Common commercial (e.g. parts from distributors or catalogs) MIL-spec / DESC parts are exempt from this requirement.

2.1.1 Note: As specified in AS9102, items out of manufacture for a period greater than 2 years based on the supplier's records must receive a new FAI.

2.2. Standard approaches for Seller FAI are:

- 2.2.1** The Seller does the entire FAI, and submits acceptance documentation with the first delivery. CSPI may request FAI documentation for review before first delivery. This approach is the standard method unless otherwise specified.
- 2.2.2** The Seller does the entire FAI. CSPI Source Inspection verifies data and/or test at the Seller's site.
- 2.2.3** A team of CSPI subject matter experts and Seller representatives participates in the FAI at the Seller's site.
- 2.2.4** CSPI receives the supplied part and does the FAI according to internal documentation for FAI of CSPI built hardware Items.
- 2.2.5** The Purchase Order referencing this requirement shall identify the alternate First Article

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Inspection (FAI) approach being imposed on the Seller (supplier) if the standard approach is not used. A supplier that is unable to comply with the FAI requirements must submit an FAI plan to the CSPI Buyer for approval prior to beginning manufacture.

2.3. Requirements when performing FAI at Seller's site.

2.3.1 INSPECTION AND TEST. Seller shall conduct a complete First Article Inspection on one part chosen from the first deliverable lot of the initial purchase order. The part shall be a representative sample of the Seller's manufacturing process. For parts that are the product of a die or mold, the First Article Inspection shall be performed on one piece per cavity. The First Article does not need to be performed multiple times, unless the Seller meets one or more of the change notification criterion identified herein.

2.3.2 CSPI Verification. CSPI participation and/or verification of the completed FAI is required prior to shipment from the seller's plant. A Statement of Work attached to the Purchase Order may impose and provide instructions for Source Inspection verification or CSPI Subject Matter Expert Team participation in the FAI process.

2.3.3 The seller shall notify the CSPI Buyer and/or Source Surveillance Control Point of their readiness to perform first article inspection/ test at least five (5) working days in advance of the required activity.

2.3.4 PRODUCTION RUN: Seller shall not commence production of units beyond the pre-production sample or the first production lot. Hardware produced beyond the sample quantity or the first production lot shall be at the sole risk of the Seller.

2.3.5 REPORTS: The Seller's First Article Inspection Report shall show the actual measured values, the number of observations for each drawing characteristic, and the specified Acceptance Inspection Requirements. The First Article Inspection/Test Report (FAITR) and sustaining data shall be available for review by the Buyer's Representative, upon request during the period of retention. The Seller may use their own forms to record the FAI results as long as the forms comply with CSPI quality.

2.3.6 FIRST ARTICLE FAILURE: Failure of items to pass first article demonstration shall constitute rejection of the hardware/lot. The Seller shall not re-present the hardware/lot until documented records can be provided that indicate:

2.3.6.1 Cause and corrective action was taken by the Seller to resolve the hardware, process, or documentation discrepancy (i.e., rework, repair, if authorized, replacement, scrap, revision of document contents, etc.)

2.3.6.2 Cause and corrective action was taken by the Seller to prevent reoccurrence of the discrepancy in future production hardware.

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2.3.6.3 Non-conforming articles in the lot have been removed.

2.3.6.4 Re-do FAI for affected characteristics.

Issues or non-conformances resulting from the Seller's FAI failure shall require that the FAI be held open until the affected items have been resolved.

2.3.7 OTHER OBLIGATIONS. Neither acceptance of first product hardware, nor pre-production sample, nor Buyer's authorization to proceed with the manufacturing production run shall constitute acceptance on any subsequent items or a modification or limitation of any representation, warranty, or of any obligation of Seller to perform strictly in accordance with the provisions of this purchase order.

2.3.8 CHANGE NOTIFICATION. The Seller is required to notify the Buyer of any change listed below that may require a complete, or partial, FAI to be conducted on the first production item manufactured after such change. The following definitions will be used by the Buyer to evaluate the type and significance of the change:

2.3.9 Change in Design/Material. A design or raw material change that affects fit, form, or function of the item.

2.3.10 Change to Facility/Processing Equipment. A facility change is a change in, or to, tools, test equipment, measuring or aligning fixtures, processing tanks, or equipment, machinery, machine set-ups, other plant manufacturing equipment, etc., used to manufacture, process, assemble, inspect, and/or test the items.

2.3.11 Change to Procedures. A change in or to the numerical control program or translation to another media, methods, procedures, planning and/or sequencing used in or applicable to the manufacturing, processing, assembly, inspection and/or test of an item.

2.3.12 Change in Location. A change in the location of the site where some or all of the manufacturing is performed. This may include moving an assembly line, major change in facility procedures, significant personnel and/or processing changes.

2.3.13 Change in Source or Processing. Such changes may be from an outside processing source to within the Seller's facility, from within the Seller to an outside processing source, or from one outside processing source to another.

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