

GENERAL DYNAMICS

Ordnance and Tactical Systems

Healdsburg Supplier Quality Requirements

QR-0021

Revision	Date
-	02/27/2019

AS9102 First Article Inspection Report Required

Revision History

REV.	CN #	DATE INCORP.	NOTES
-	40764	02/27/2019	Initial Release

Requirements

The items to be delivered under the Purchase Order are subject to First Article Inspection and shall be produced using materials, tooling, processes, facilities/equipment, and procedures identical to those that will be used during regular, normal production. Unless otherwise specified in the Purchase Order, the Seller shall perform inspections/tests on one (1) part of the first items produced. The Seller shall perform 100% inspection and tests of all features and notes shown on drawings and specification documents on at least one item. The only exception shall be for inspection/tests contained in material specifications provided that the required inspection and tests have been performed and certified results are submitted with the AS9102 or equivalent First Article Inspection Report. SAE AS9102, GD-OTS Form VF-141, or equivalent supplier report format shall be completed and applicable supporting documentation shall be provided. The typical First Article Data Package contains:

- a. Ballooned Drawing correlated to recorded data
- b. Identification of items that were inspected/tested
- c. Material Certifications for subcontracted Raw Materials and Special Processes
- d. Identification of Special test Equipment used to accept product
- e. Dimensional Inspection Sheet (matching the numbering scheme of the ballooned drawing)
- f. Manufacturer's Certificate of Conformance
- g. Certificates of Conformance for purchased items and services. All materials and processes/services must have an appropriate Certificate of Conformance.
- h. Test Report for any NDT performed, including Laboratory Accreditation and Scope for laboratory performing the NDT.

The Dimensional Inspection Sheet shall contain the drawing/specification callout and tolerance, method of inspection and tool identification, if possible, and must show actual measured

readings unless a Go/No-Go gage (attribute data) is used. Data is to be provided in units of measure, U.S. Customary or Metric, used in the drawing, unless otherwise noted on the Purchase Order.

The Seller shall produce the First Article item and the production items at the same facility.

The First Article Inspection Report shall be neat and organized. Individual documents must be complete and legible. Unreadable copies of documentation will not be acceptable as evidence of compliance.

A partial, updated (delta), First Article shall be required if any of the following events occur:

- a. Change to facility or processing equipment
- b. Change to procedures
- c. Change in manufacturing locations
- d. Change in source or processing
- e. Change in design
- f. Interruption of production greater than twelve (12) months
 1. Or as otherwise specified (see below)*
 2. Full FAIR required after specified break in production
- g. Replacement of Special Tooling (e.g. injection molds)

If the Seller fails to deliver/present any First Article item or First Article Inspection Report by the date shown on the Purchase Order, or if the GD-OTS Buyer disapproves any First Article item or First Article Inspection Report due to nonconformance to requirements, the Seller shall be deemed to have failed to make delivery within the meaning of the Default clause of the Purchase Order.

If the First Article item or the First Article Inspection Report is disapproved for nonconformance to requirements, the Seller shall, upon the Buyer's request, repeat any or all First Article inspections or tests. Prior to such additional inspections or tests, the Seller shall make any necessary changes, modifications, or rework to the First Article unit, or select/manufacture another First Article for such inspections or tests. All costs related to any additional inspections or tests following disapproval shall be borne by the Seller. The GD-OTS Buyer may elect to have the Seller bear the costs of any additional travel, labor, delivery schedule extensions, and material expenses resulting from the disapproval of the First Article item or First Article Inspection Report. After conducting the additional inspections or tests, the Seller shall notify the Buyer as to the expected date for resubmission of the First Article and First Article Data Package. The Seller shall have the First Article and the First Article Data Package ready for presentation by the agreed extended date. No change of delivery dates is to be assumed based on a change in the completion date of the first article.

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Unless otherwise specified in the Purchase Order, and if the approved First Article unit is not consumed or destroyed due to testing, the Seller may deliver the item as part of the Purchase Order quantity provided it meets all requirements for acceptance.

***SQR 21** – Duration for interruption of production requiring updated FAIR shall be 12 months

***SQR 21A** – Duration for interruption of production requiring updated FAIR shall be 6 months

***SQR 21B** – Duration for interruption of production requiring updated FAIR shall be 24 months