

Niceville, FL

1. SQAR Number	SQAR-18
2. SQAR Revision	0
3. SQAR Title	First Article Inspection Per AS9102

4. SQAR Detail Description

First article inspection (FAI) verification by General Dynamics Quality Assurance is required and must be IAW AS9102 (latest version) and include instrument ID and calibration due date. The FAI is performed on one part (unless directed by the PO) that is representative of the first production run. The FAI unit shall not be inspected or processed differently. The Supplier shall perform 100% inspection of all features and notes shown on the drawing to include specifications as appropriate. 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 First Article Data Package. BASIC and references dimensions are not required unless directed by the PO.

The Supplier shall notify the General Dynamics OTS Quality Engineer fifteen (15) calendar days prior to the presentation of the First Article Data Package. Forms used and guidance for FAI are provided by Aerospace Standard SAE AS9102.

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

- a. Lapse of Production for 2 years (**Unless Specified In PO**)
- b. Change to Facility or Processing Equipment
- c. Change to Procedures
- d. Change in Location
- e. Change in Source of Raw Material Supply or Sub-Tier Processing
- f. Change in Design or Baseline
- g. Replacement of Special Tooling (i.e. Die(s), Molds)

The First Article Data Package shall contain the following at a minimum:

- a. AS9102 forms - including calibration information with inspection method, instrument ID, and calibration due date
- b. CoC (SQAR-3)
- c. Waivers, Deviations, Variances

If the First Article or the First Article Data Package is disapproved for non-conformance to requirements, the Supplier shall, upon the Buyer's request, repeat any or all First Article inspections or tests. Prior to such additional inspections or tests, the Supplier shall make any necessary changes, modifications, or repairs to the First Article. All costs related to any additional inspections or tests following disapproval shall be borne by the Supplier. The General Dynamics OTS Buyer, at his/her discretion, may elect to have the Supplier bear the costs of any additional travel, labor, delivery schedule extensions, and material expenses resulting from the disapproval of the First Article or First Article Data Package. After conducting the additional inspections or tests, the Supplier shall notify the Buyer as to the expected date for resubmission of the First Article and First Article Data Package. The Supplier 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.

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

FAI establishes the baseline and locks down the entire process (procedures/work instructions, control plans, manufacturing and inspection recipes/programs, facility).

Formal acceptance of the First Article will be provided in writing to the supplier by the GD-OTS Buyer.

5. Disclaimer

The following Supplemental Quality Assurance Requirement (SQAR) clause is a requirement when specified by number within the Request for Quote (RFQ), Purchase Order (PO), or Quality Assurance Document (QAD). In the event of conflict between the General Supplier Quality Assurance Requirements document and a SQAR flowdown, the SQAR will always supersede. Flowdown of this SQAR to sub-tier suppliers is required to ensure final product compliance.