

Niceville, FL

1. SQAR Number	SQAR-22a thru d
2. SQAR Revision	12
3. SQAR Title	First Article Inspection Per AS9102
4. SQAR Detail Description	

The items to be delivered under the Purchase Order are subject to First Article Inspection (FAI) 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 and associated hardware using the Source Inspection Request/Approval form (PAL 128). The FAI Checklist from the PAL 128 workbook shall also be initiated and provided along with PAL 128.

A new, or updated (delta), First Article shall be required if any of the events listed in the AS9102 standard occur.

Lapse in production for more than **X** years **where a=2 years, b=1 year, c=Every 90 days, d=other (SQAR-38 must be flowed)**

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

- i. AS9102 forms
- ii. **Calibration information to include inspection method, instrument ID, and calibration due date**
- iii. PAL 128
- iv. CoC (SQAR-4)
- v. Documentation Control List (SQAR-46)
- vi. Control Plan (SQAR-20)
- vii. Variances

If the First Article or the First Article Data Package is disapproved for nonconformance 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).

General Dynamics OTS Only: When merited, the Program Manager (PM) shall have the authority to recommend waiving all, or any portion, of this requirement for a submitted change as long as there is no violation to the customer requirements.

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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, PAL 164, and a SQAR flowdown, the SQAR will always supersede. Flowdown of this SQAR to sub-tier suppliers is required to ensure final product compliance.