

Raytheon Quality Note
QS

Revision - Date
3 – 09/28/12

FIRST ARTICLE INSPECTION/TEST REQUIREMENTS (FAIT) FAIT PLAN REQUIRED

1. Purpose:

1.1 The purpose of the First Article Inspection is to give objective evidence that all engineering, design, material and specification requirements are correctly understood, accounted for, verified and recorded.

2. Definitions:

2.1 Technical Data Package (TDP): Consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, software and packaging details.

3. Requirements:

3.1 The First Article Inspection and Test (FAIT) or Delta FAIT shall be conducted in accordance with SAE AS9102 and this Quality Note.

3.2 The FAIT shall be performed on both the Raytheon TDP and all of the Supplier's build to print items.

3.3 The supplier shall develop an FAIT plan which documents how they will perform the FAIT in accordance with AS9102 and this Q-note. At a minimum the plan shall include the following:

- AS9102 forms completed minus the results.
- A list of tooling, gages, etc.
- List of outside sources with associated part numbers and/or processes.
- List of manufacturing process documentation (routing sheets, manufacturing/quality plans, work instruction, test procedures, etc.) including revision level.
- Test data sheets (if applicable).

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3.3.1 The supplier shall submit the FAIT plan to Raytheon for approval prior to the start of production. The Raytheon responsible Quality representative will approve the FAIT plan.

3.4 A complete FAIT is required after a lapse in production in accordance with SAE AS9102 unless specified otherwise on the purchase order.

3.5 Use gages that provide variable data where feasible.

3.6 First Article Testing – if an Acceptance Test Procedure/Lot Acceptance Test (ATP/LAT) is imposed, all test results shall be included in the FAIT report. When automated test equipment is used a copy of the automated printout shall be attached to the First Article Test Report.

3.7 When there is a change to a part, an FAI shall be performed on the affected part and on the next higher assembly to the extent that the change impacts that assembly.

3.8 A Raytheon Quality representative may witness and/or participate in the FAIT.

3.9 If the supplier has access to the Raytheon SPEED-RAY system (PDM) the required FAI documents shall be submitted through SPEED-RAY. If the supplier does not have access the Raytheon SPEED-RAY system (PDM) the supplier shall submit the required FAI documents to the Raytheon Subcontracts Manager.

3.10 Supplier shall be responsible for notifying the Buyer prior to performing the FAIT in order to coordinate Raytheon participation in FAIT.

4. Submitting Form SAE AS9102:

4.1 Forms:

- All fields shall be completed. If a field is not applicable enter N/A

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- User shall not make an entry on one line, and then draw a line down the page to indicate applicability to multiple lines. Each appropriate line must be filled out completely.

4.2 When submitting an FAIT for an assembly, all sub-assembly FAIT reports or material Certification of Conformance (C of C) shall be included.

4.3 The Supplier shall submit the FAIT report to the Raytheon Buyer.

4.4 Raytheon Supplier Quality may specifically request a new FAIT due to quality concerns or supplier requested changes (reference AS9102 for applicable changes). If requested, formal direction will be given through the Raytheon Buyer.

4.5 The FAIT is not complete until the Raytheon Quality representative has signed the appropriate customer approval block on the AS9102 form. The hardware shall not be shipped until a signed AS9102 form, or other contractual direction, has been received from Raytheon. The signature of the Raytheon Quality representative only means the FAIT is complete but does not constitute acceptance of subsequent items nor relieve the Seller of any obligation to perform in strict compliance with all provisions of this Purchase Order.

4.6 Data shall be retained in accordance with the purchase order requirement.

5. References:

SAE AS9102 Aerospace First Article Inspection Requirements

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