

Q2A – First Article Inspection (FAI) – AS9102A

* Revised

** Added

Note 1: A hard copy of this document may not be the document currently in effect. The current version is always the version on the Lockheed Martin network.

Note 2: The terms “Item” (plural “Items”), “PO”, “Buyer”, and “Seller” used herein shall have the same meaning as the terms “Work”, “Contract”, “LOCKHEED MARTIN”, and “SELLER”, respectively, as may be defined in another provision of the Purchase Order of which this Quality Clause Q2A is a part (“this PO”).

- A. Seller shall establish and maintain internal processes for the accomplishment of each First Article Inspection (“FAI”) in accordance with AS9102A. FAIs are performed to ensure delivered Items are in compliance with the requirements of this PO.

Seller may obtain copies of AS9102A from the Society of Automotive Engineers at: www.sae.org. Forms can be obtained at: <http://www.sae.org/aaqg/publications/as9102a-faq.htm>

- B. Distributors that procure Buyer designed Items shall ensure that the manufacturer has performed FAI and that documentation is available upon request.
- C. For “Seller-Designed” Items associated with an LM Aero Source Control Drawing and/or Specification Control Drawing, Seller shall, at a minimum, meet those requirements specified on LM Aero’s drawing and document the results within the FAI report.
- D. Unless otherwise set forth in this PO, FAI applies to the first Item or lot of end Items, sub-assemblies and detail Items. The following Items shall not require FAI, unless otherwise directed by Buyer:
1. Standard hardware and electronic piece parts (AN, MS standard hardware, etc.),
 2. Items procured under this PO to Seller’s part number,
 3. Commercial Off-the-Shelf (“COTS”) Items,
 4. Metallic (plate, bar, rod, etc.) and non-metallic (paints, sealants, adhesives, etc.) raw materials,
 5. Engineering models, design/concept prototypes and production Item numbers delivered for non-production applications (such as qualification testing, lab use only assets)
 6. Items that have been manufactured and delivered to the U.S. Government where Seller has objective evidence of either:
 - a. a FAI performed, within the past two (2) years from date of this PO, for the U.S. Government to the same configuration as required by this PO, or
 - b. documented U.S. Government acceptance, within the past two (2) years from date of this PO, to the same configuration as required by this PO,
 7. Items that are spares for an after-market program or programs,
 8. Items that have been returned by Buyer for either rework and/or repair, or
 9. Items procured to Buyer's part number where Buyer has not developed drawings and/or specifications controlling the Item’s physical and functional requirements.

- * E. Seller shall contact Buyer's assigned Procurement Quality Assurance Supplier Quality Engineer ("PQASQE") a minimum of 5 days prior to creating the FAI plan and/or starting the FAI. Buyer's assigned PQASQE shall review the FAI plan and/or participate in the FAI process at any time from inception until the FAI is complete. The degree of Buyer's PQASQE participation will be dependent on the complexity/criticality of the Item and Seller's performance to Buyer's requirements.
- * F. If and when Seller incorporates any engineering change (including software/firmware) that has the potential to affect form, fit, function, safety, or reliability, Seller, without further direction from Buyer, shall perform partial or full FAI as required by AS9102A. This includes changes to non-deliverable software and revisions in programming used in numerical controlled machines, test stations, coordinated measuring equipment, etc.
- ** **NOTE:** Paragraph F augments the requirements of AS9102 Section 5.3. Seller shall adhere to the requirements of Paragraph F and AS9102 Section 5.3 which requires the performing of a full or partial FAI when any of the following events occurs:
 1. A change in design affecting fit, form, or function of the part.
 2. A change in manufacturing source(s), process(es), inspection method(s), location of manufacture, tooling or materials, that can potentially affect fit, form or function.
 3. A change in numerical control program or translation to another media that can potentially affect fit, form or function.
 4. A natural or man-made event, which may adversely affect the manufacturing process.
 5. A lapse in production for two years or as specified by the Customer.
- G. Seller shall ensure discrepancies and non-conformances, if any, discovered during the FAI are documented and dispositioned by the appropriate Material Review Board ("MRB") actions, (i.e., Seller's MRB for Seller design and Buyer's MRB for Buyer design). Seller's rejection documentation, Buyer's/Seller's dispositions, and Seller's corrective action shall become part of the FAI report.
- H. Seller shall comply with the forms usage and completion requirements stated in AS9102A Paragraph 5.5.1. Seller shall complete all fields, but may mark a field as not applicable by indicating "N/A", if appropriate.
- * I. Seller shall present complete FAI documentation records to Buyer's PQASQE for validation with the submittal of the first lot of Items for acceptance and, if requested by such PQASQE, for subsequent lots.
- J. Seller shall maintain documentation of FAI results on each deliverable end Item for the period specified by this PO. Seller shall provide to Buyer, within 48 hours of a request by Buyer, a complete copy of FAI reports at no increase in the cost, price, or fee of this PO.
- * K. Seller shall notify Buyer's assigned PQASQE a minimum of 5 days prior to creating or starting of any changes identified in AS9102A Paragraph 5.2 and 5.3 that affect Items delivered under this PO. Upon request by Buyer, if any, Seller shall perform a complete or partial FAI at no increase in the cost, price or fee of this PO, to ensure that the changes have had no adverse affect on Items delivered under this PO. Seller shall submit documentation of complete or

partial FAIs accomplished as a result of such changes to Buyer's assigned PQASQE with Seller's first submittal of new configuration Items for acceptance.

- L. Seller shall obtain written authorization from Buyer, including Buyer's Quality Assurance, if and when deviations and/or deferrals of the FAI requirements are beyond the scope of Paragraph D.
- M. Seller may use Quality Clause Q2A Revision 4 to meet FAI requirements in any other purchase order with prior versions of Quality Clause Q2A imposed between Buyer, acting for and through Lockheed Martin Aeronautics Company, and Seller, provided that Seller does so at no increase in price, cost or fee of this PO.
- N. Seller shall comply with AS9102 Revision A Paragraph 5.3 sub-paragraph 5 for all Items where Seller completed the initial FAI to the requirements of Quality Clause Q2A.