

Q261: First Article Inspection (FAI) with Compliance Matrix (CM) Effective Date: 06/22/2020

The application of this Quality Clause is a result of the Aerojet Rocketdyne risk ranking of the product you are quoting or are under contract for. It requires a new complete First Article for this Purchase Order (PO). The requirements of this Quality Clause must be planned for and complied with unless contractually waived by PO direction.

Overview:

This enhanced First Article requirement adds a Compliance Matrix (CM) component to the standard AS9102 FAI forms. The CM addition provides detailed specific traceability to all design and purchase order requirements in the sellers build documentation. It supplements the requirements of AS9102 and requires the use of an AR required form to perform the FAI.

Details:

The seller is expected to complete the First Article Inspection in full compliance to AS9102 and other AR Qnotes with additional detail noted in the clause utilizing the Aerojet Rocketdyne provided FAI template: [QMA-F-5.04.03.00.0006](#).

The template when used properly per the accompanying instructions ensures that the FAI includes the following detail and all the required approvals:

- 1) An extracted list of all drawing, specification and purchase order (quality) requirements
- 2) Materials/part numbers required to make the evaluated part number
- 3) Detailed specific traceability to the documents that make and verify the extracted features including the methods used to verify compliance to the requirement.
- 4) Specific tooling required to create or validate the features
- 5) Training required to create or validate the features

FAI details shall include all design characteristics. When multiple quality requirements are included in (or embedded within) a single note or specification, then the note or specification shall be expanded to multiple entries to cover each of the verifiable quality requirements.

The seller shall submit the completed FAI plan (minus results) via email to the AR buyer for review and approval prior to completing the FAI.

AR shall review the FAI Plan to ensure that it captures all requirements and works with the supplier to resolve any concerns. Upon verification of capturing all requirements, AR will approve the plan and authorize the supplier to populate the FAI with results.

Once approved, the seller is authorized to use the FAI plan for capturing actual results, review compliance and sign/or stamp all applicable items to complete the FAI report.

Upon completion, the seller shall submit the completed FAI report via email to the AR buyer for final review/approval.

AR reviews the FAI report to ensure that it complies with all requirements and works with the supplier to resolve any concerns.

FAI Closure

Once AR approves the FAI report, the “No change” requirement (via Quality Clause AR1) applies. The seller shall lock down all related paper & processes and only make changes authorized by AR.