

Unison Industries Quality Procedure		
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Document Number: <b>QD 4.6.2.2</b> Revision: <b>SEPT/01/2021</b>		Approved by: <b>QUALITY SYSTEMS TEAM</b>
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## **TITLE: Supplier First Article Inspection (FAI)**

**PURPOSE:** Provide Unison suppliers with instructions for completing an acceptable FAI.

**SCOPE:** This document applies to suppliers who have not yet confirmed compliance to the S-1005 and S-1007 quality directives. Where invoked via purchase order, GE Aviation Joint Affiliates (GE-AJA) quality system requirements S-1005 and S-1007 supersede the requirements of this document.

### **1.0 DEFINITIONS / ABBREVIATIONS**

- 1.1 Detail - A subcomponent of the final product, produced independent from the final product.
- 1.2 Final Product - The product ordered on the Purchase Order.
- 1.3 Accountable Characteristics - Measurable product features

### **2.0 RESPONSIBILITIES**

- 2.1 GENERAL
  - 2.1.1 Unison Jacksonville, Unison Norwich and Unison Saltillo
    - 2.1.1.1 Where invoked via purchase order, GE Aviation Joint Affiliates (GE-AJA) quality system requirements S-1005, S-1007 and Supplier Release Plan supersedes the requirements of this document.
  - 2.1.2 This document is contractual where invoked by Purchase Order.
  - 2.1.3 Ensure flow down of this requirement to sub-tier sources utilized to fulfill the Purchase Order.
  - 2.1.4 FAI, and related supporting material must be retained for at least 10 years beyond final release activity of the product.
  - 2.1.5 FAIs and supporting materials are subject to final approval by authorized Unison representatives, either at the supplier's facility, or at Unison.
- 2.2 FAI Package

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- 2.2.1 FAI package will be submitted prior to shipment in most cases, but may be submitted with the initial shipment in some instances.
  - 2.2.1.1 Updates will be maintained at the Supplier unless otherwise stated in writing
- 2.2.2 FAI package is considered the property of Unison, regardless of it's physical location, and must be made available upon demand.
- 2.2.3 Product drop-shipped to Unison Suppliers before arriving at Unison, requires the FAI package be sent to the Unison site issuing the PO.
- 2.2.4 FAI PIECE
  - 2.2.4.1 If the FAI is submitted with the shipment, the piece used to validate FAI will be tagged.
  - 2.2.4.2 Supplier will retain lab-samples, test-pieces, or mounts.
- 2.2.5 FAI
  - 2.2.5.1 The preferred format for FAI submissions is the GT1007 forms. For suppliers who have not accepted S-1007, a format that meets the requirements of SAE AS9102, is acceptable.
  - 2.2.5.2 Includes all accountable characteristics contained within the following;
    - 2.2.5.2.1 Engineering drawing(s) or other design media (e.g. model data),
    - 2.2.5.2.2 Drawing Notes,
    - 2.2.5.2.3 Specifications,
    - 2.2.5.2.4 Design media (electronic),
  - 2.2.5.3 Portions of a drawing or specification that cannot be complied with, must be submitted to Unison Procurement on a Supplier Request Form 23G03 for disposition prior to shipping the affected product.
  - 2.2.5.4 Unison Modified Catalog Parts
    - 2.2.5.4.1 Include all modified characteristics.

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2.2.5.4.2 Base catalog part must be listed on form 1 of the FAI report and include the certification.

## 2.2.6 ANCILLARY DOCUMENTATION (as applicable)

### 2.2.6.1 Subcomponent FAI's.

2.2.6.1.1 Data may be included on the final product FAI, provided the data is categorized under the subcomponent name or number.

2.2.6.2 Completed certificate of compliance form ENP6, or equivalent,

2.2.6.3 Nonconformance documents

2.2.6.3.1 Accompanied by a Unison approved supplier request form 23G03.

### 2.2.6.4 Material Test Reports (as applicable)

2.2.6.4.1 Signed test report from a Unison approved testing agency,

2.2.6.4.2 Results of physical and chemical analysis,

2.2.6.4.3 Applicable test requirements identified in the specification,

2.2.6.4.4 Traceability;

2.2.6.4.4.1 Part number,

2.2.6.4.4.2 Supplier's name

2.2.6.4.4.3 Lot / Batch / Heat / Identification number as applicable

## 2.2.7 REPEAT FAI

2.2.7.1 Requirements within this section are in place to ensure significant changes to the process continue to yield a conforming product.

### 2.2.7.2 COMPLETE FAI

2.2.7.2.1 Required when a lapse in production exceeds twenty-four consecutive months.

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2.2.7.2.1.1 A new FAI is not required for inventory not released within the previous 24-months, but produced prior to a 24- month lapse.

2.2.7.2.2 Relocation of the product;

2.2.7.2.2.1 To another business address.

2.2.7.2.2.2 When entire manufacturing process is relocated within the facility, unless waived in writing by an authorized Supplier Quality Representative or higher.

2.2.7.2.3 Transfer of product from a development-shop or laboratory environment, to a production environment.

2.2.7.3 PARTIAL "DELTA"

2.2.7.3.1 When only a portion of the process has been modified, a delta FAI is required to verify any characteristics that may have been impacted by that change. Those process modifications may include, but are not limited to, the following:

2.2.7.3.1.1 Relocation of equipment used to produce, validate, or inspect product,

2.2.7.3.1.2 Re-sequencing of operations,

2.2.7.3.1.3 Changes to an operation within a process,

2.2.7.3.1.4 Rev change to the drawing.

2.2.8 SPECIAL PROCESS CONTROL

2.2.8.1 Perform in accordance with QD 4.6.2.4

### **3.0 REQUIREMENTS / WORKFLOW**

3.1 Intentionally left blank

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#### 4.0 REFERENCES

4.1	GE-AJA S-1005	GE Aviation Joint Affiliates Supplier Quality System Requirements
4.2	GE-AJA S-1007	GE Aviation Joint Affiliate Supplier First Article / Characteristic Accountability, Verification and Quality Planning
4.3	GE-AJA SRP	Supplier Release Plan
4.4	Unison QD 4.6.2.1	Supplier Quality Assurance General Requirements
4.5	Unison QD 4.6.2.4	Special Processes & Process Controls
4.6	SAE AS9102	Aerospace First Article Inspection Requirements
4.7	ENP6	Certificate of Compliance
4.8	23G03	Supplier Request Form

#### 5.0 REVISION HISTORY

##### LATEST REVISION

**DATE:** 09-01-2021

- Changed format to align with Unison JQWI documents
- Added verbiage to Scope section
- General rewrite: adjusted language to align with current processes, reworded some sections that were confusing, and removed some sections that were redundant.

##### PREVIOUS REVISIONS

**DATE:** 05-14-2012

- Added Statement specifying GE-AJA quality system requirements supersede this document for Unison Jacksonville, Unison Norwich and Unison Saltillo. [JM]

06-18-2009

- General rewrite. Reformatted to UIQP 4.2.2 standards. ADDED: Clarifications to delta FAI requirements [PLK]

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