

UNISON INDUSTRIES LLC QUALITY DIRECTIVE			
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TITLE: SUPPLIER FIRST ARTICLE INSPECTION (FAI)

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

1.0 RESPONSIBILITIES AND PROCEDURE

1.1 GENERAL

- 1.1.1 This document is contractual where invoked by Purchase Order.
- 1.1.2 Ensure flowdown of this requirement to sub-tier sources utilized to fulfill the Purchase Order.
- 1.1.3 FAI, and related supporting material must be retained for at least 10 years beyond final release activity of the product.
- 1.1.4 FAI's and supporting materials are subject to final approval by authorized Unison representatives, either at the supplier's facility, or at Unison.

1.2 FAI PACKAGE

- 1.2.1 FAI package will be submitted with the initial shipment
 - 1.2.1.1 Updates will be maintained at the Supplier unless otherwise stated in writing
 - 1.2.1.1.1 Tabulated drawings require updates to the dash number(s) affected by the change.
- 1.2.2 FAI package is considered the property of Unison, regardless of it's physical location, and must be made available upon demand.
- 1.2.3 FAI Package included with initial shipment will be attached to the outside of the package containing the product, and labeled indicating the FAI is enclosed.
 - 1.2.3.1 Product drop-shipped to a Unison Suppliers before arriving at Unison, requires the FAI package be sent to the Unison site issuing the PO.

1.2.4 FAI PIECE

- 1.2.4.1 Piece used to validate FAI will be tagged.
- 1.2.4.2 Supplier will retain lab-samples, test-pieces, or mounts.

1.2.5 FAI

- 1.2.5.1 Format will meet the requirements of SAE AS9102, latest revision.
- 1.2.5.2 Includes all accountable characteristics contained within the following;
 - 1.2.5.2.1 Engineering drawing(s) or other design media (e.g. model data),
 - 1.2.5.2.2 Drawing Notes,

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1.2.5.2.3 Specifications,

1.2.5.2.4 Design media (electronic),

1.2.5.3 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.

1.2.5.4 UNISON MODIFIED CATALOG PARTS

1.2.5.4.1 Include all modified characteristics.

1.2.5.4.2 Base catalog part must be listed on form 1 of the AS9102 and including certification.

1.2.6 ANCILLARY DOCUMENTATION (as applicable)

1.2.6.1 Subcomponent FAI's.

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

1.2.6.2 Certificate of Compliance Form ENP6,

1.2.6.2.1 List subcomponent part numbers and standard hardware used in the product,

1.2.6.2.2 Statement indicating Special Processes used meet the requirements of QD 4.6.2.4,

1.2.6.2.3 Statement that product meets all applicable contractual, design, and test data.

1.2.6.3 Nonconformance documents

1.2.6.3.1 Accompanied by a Unison approved Supplier Request Form 23G03.

1.2.6.4 Material Test Reports (as applicable)

1.2.6.4.1 Signed test report from a Unison approved testing agency,

1.2.6.4.2 Results of physical and chemical analysis,

1.2.6.4.3 Applicable test requirements identified in the specification,

1.2.6.4.4 Traceability;

1.2.6.4.4.1 Part number,

1.2.6.4.4.2 Supplier's name,

1.2.6.4.4.3 Lot / Batch / Heat / Identification number as applicable

1.2.7 REPEAT FAI

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

1.2.7.2 COMPLETE FAI

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

1.2.7.2.1.1 A representative FAI is considered adequate for inventory not released within the previous 24-months, but produced prior to a 24-month lapse.

1.2.7.2.2 Required following rejection by Unison.

1.2.7.2.2.1 FAI must be clearly identified as "RESUBMITTED"

1.2.7.2.2.2 It is at Unison Quality discretion to waive, in writing, resubmittal of portions of the FAI package not involved in the rejection.

1.2.7.2.3 Relocation of the product;

1.2.7.2.3.1 To another business address.

1.2.7.2.3.2 When entire manufacturing process is relocated with the facility to new facility/work center ID codes), unless waived in writing by an authorized Supplier Quality Representative or higher.

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

1.2.7.3 PARTIAL "DELTA"

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

1.2.7.3.2 Re-sequencing of operations,

1.2.7.3.3 Changes to an operation within a process,

1.2.7.3.4 Changes in design, not affecting part number.

1.2.8 SPECIAL PROCESS CONTROL

1.2.8.1 Perform in accordance with QD 4.6.2.4

2.0 REFERENCES

QD 4.6.2.1 Supplier Quality Assurance General Requirements
QD 4.6.2.4 Special Processes and Process Controls
SAE AS9102 Aerospace First Article Inspection Requirements

3.0 DEFINITIONS/ABBREVIATIONS/FORMS

DEFINITIONS/ABBREVIATIONS

Detail – a subcomponent of the final product, produced independent from the final product.

Final Product – the product ordered on the Purchase Order.

Accountable characteristics – Measureable product features

FORMS

ENP6 Certificate of Compliance
23G03 Supplier Request Form

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4.0 REVISION HISTORY

DESCRIPTION OF LATEST CHANGE:

General rewrite. Reformatted to UIQP 4.2.2 standards.

ADDED: Clarifications to delta FAI requirements [PLK]

DESCRIPTION OF PREVIOUS CHANGES:

Supersedes revision May 14, 2004 (Rev J)

END OF DOCUMENT