



NASA Armstrong Flight Research Center
PROCUREMENT QUALITY REQUIREMENTS

Approved 19 Nov 2018

Q-2

A. Certified Material Test Report and Aircraft Fastener Testing

Supplier shall include in each shipment the raw material manufacturer's test report. The test report shall certify that the relevant lot of raw material has been tested, inspected and verified compliant with the applicable specifications and is traceable to the Certified Material Test Report. .

The Certified Material Test Report shall contain the following:

1. Identify the raw material heat/lot number to which the report applies.
2. Identify the applicable raw material specifications, by number and revision level.
3. List the actual test / inspection values obtained for each chemical and physical property in the raw material specifications.
4. Identify the raw material manufacturer.
5. Be signed by a duly authorized officer or quality representative of the raw material manufacturer.
6. Test specimen gage diameter per ASTM E
7. Specifications including revision numbers or letters to which the material has been tested and/or inspected
8. When the material specification requires quantitative limits for chemical, mechanical, or physical properties, the test report shall contain the actual test and/or inspection values obtained.
9. No unauthorized processes (i.e. re-melt) shall be allowed.

Non-Destructive Evaluation Certifications

When Non-Destructive Evaluation is required the contractor shall provide a Certificate of Conformance (C of C) to certify that the material meets the related requirements.

Independent Laboratory Testing

If the material was altered (forged, rolled, heat treated etc.) subsequent to procurement from the mill and prior to delivery to AFRC, an Independent Laboratory Test shall be submitted with the material. The testing must be performed after all subsequent conversion processing. The test report must comply with requirements above for Manufacturer Test Certifications.

Prohibited

The contractor shall not provide material that has been machined down, sawed or by any other means to achieve the requested thickness or diameter.

The contractor shall not substitute cut plate for bar stock.



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PROCUREMENT QUALITY ASSURANCE TERMS AND
CONDITIONS

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- The Prime Supplier must ensure that the release of all products and services have competent and qualified persons handling aircraft parts.
- NASA Armstrong Flight Research Center (AFRC) will maintain interaction with Prime Supplier regarding the control and monitoring of the Prime Supplier's performance as well as any verification or validation activities that the Prime Supplier or its customer, intends to perform at an external provider's premises.
- If the Prime Supplier is using a Sub-Tier Supplier the Prime Supplier must ensure that NASA AFRC quality requirements are flowed down to external providers.
- The Prime Supplier must have, or ensure that their Sub-Tier Supplier has, a quality management system (e.g. AS9100, AS9120, ISO 9001, AS5553, AS6081).
- NASA AFRC will monitor external provider performance via Supplier Assessment System (SAS), Government-Industry Data Exchange Program (GIDEP), ERAI, documentation of incoming Non-Conformance Reports, and Procurement Quality Assurance Database as applicable.
- Contractor shall retain records in accordance with Federal Acquisitions Regulation (FAR) subpart 4.7.