



**NASA Dryden Flight Research Center**  
**PROCUREMENT QUALITY REQUIREMENTS**



**Q-4 Revision A / Quality of Aircraft Assemblies, Parts and Materials**

Supplier shall only deliver aircraft assemblies, parts and materials that comply with the following requirements for new, surplus and used articles. Concessions to these requirements may be granted, but only by written authorization following review by the Government's Engineering, Quality Assurance and Contracting Officer's Technical Representatives.

Unless otherwise specified for delivery to the Government, all applicable material test reports, processing, overhaul, repair and maintenance certifications, inspection, test and non-destructive examination results shall be retained for at least 10 years by the supplier, and made available upon request.

**A. Newly Manufactured Articles (Never Placed in Service)**

Supplier shall ensure that articles conform to all original design and manufacturing requirements for materials, processing, inspection, test, non-destructive examination, marking, packaging, preservation and transportation.

For each article, the supplier shall identify:

- Manufacturer's part number, and heat, batch or serial number (when applicable).
- Manufacturer's name, date of manufacture and street address of manufacturer's production facility.

**B. Surplus Articles (New, Never Placed in Service)**

For articles never placed in service, and released as surplus inventory, the supplier shall:

Verify that articles conform to all original design and manufacturing requirements for materials, processing, inspection, test, non-destructive examination, marking, packaging, preservation and transportation.

For each article, the supplier shall identify:

- Manufacturer's part number, and heat, batch or serial number (when applicable).
- Manufacturer's name, date of manufacture and street address of manufacturer's production facility.
- The name, date and street address of any facility associated with the article's maintenance, repair or overhaul.
- Verify by inspection, test and records review that previous storage and transportation conditions have not compromised article integrity – including articles where specified environmental conditions are part of shelf life control. Ensure that each component with a shelf life has been identified, including associated expiration dates.
- Identify the implementation status of each applicable FAA Airworthiness Directive and manufacturer's Service Bulletin.

**C. Articles Previously Placed in Service (Not Currently Government Owned)**



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For articles previously placed in service, the supplier shall:

- Verify that articles conform to all applicable requirements for materials, processing, inspection, test, non-destructive examination, marking, packaging, preservation and transportation.

For each article, the supplier shall identify:

- Manufacturer's part number, and heat, batch or serial number (when applicable).
- Manufacturer's name, date of manufacture and street address of manufacturer's production facility.
- The name, date and street address of any facility associated with the article's maintenance, repair or overhaul.
- Identify any article obtained from an aircraft that:
  - Was subjected to extreme environmental or operational stress.
  - Suffered a major failure or accident.
  - Was operated by a non-U.S. entity.
- Ensure that articles have been overhauled, repaired and maintained in accordance with the original manufacturer's procedures, or in accordance with procedures authorized by a duly accredited engineering representative. Proof of serviceability will accompany each article.
- Proof of serviceability for each article will be identified by appropriate depot/organization serviceable tag or by FAA Parts Manufacturing Approval (PMA) or Technical Standard Order Authorization (TSO) Form 8130 with a tear down report, accompanying each article.
- Identify the implementation status of each applicable FAA Airworthiness Directive and manufacturer's Service Bulletin.
- Ensure that each component with a shelf life has been identified, including associated expiration dates.
- Provide substantiating time and cycle records for each applicable article.

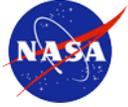
**D. Overhaul / Repair of Government Owned Articles**

For articles currently owned by the Government, the supplier shall:

- Verify that while in their possession, articles conform to all applicable requirements for materials, processing, inspection, test, non-destructive examination, marking, packaging, preservation and transportation.

For each article, the supplier shall identify:

- Manufacturer's part number, and heat, batch or serial number (when applicable).
- Manufacturer's name, date of manufacture and street address of manufacturer's production facility.
- The name, date and street address of any facility associated with the article's maintenance, repair or overhaul.



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- Ensure that articles have been overhauled, repaired and maintained in accordance with the original manufacturer's procedures, or in accordance with procedures authorized by a duly accredited engineering representative. Proof of serviceability will accompany each article.
- Proof of serviceability for each article will be identified by appropriate depot/organization serviceable tag or by FAA Parts Manufacturing Approval (PMA) or Technical Standard Order Authorization (TSO) Form 8130 with a tear down report, accompanying each article.
- Identify the implementation status of each applicable FAA Airworthiness Directive and manufacturer's Service Bulletin.
- Ensure that each component with a shelf life has been identified, including associated expiration dates.
- Provide substantiating time and cycle records for each applicable article.