



NASA Policy Directive

NPD 8730.2BEffective Date: June 08, 1998
Expiration Date: June 08, 2008**COMPLIANCE IS MANDATORY**[Printable Format \(PDF\)](#)

Subject: NASA Parts Policy (Revalidated 04/29/04)**Responsible Office: Office of Safety and Mission Assurance**

1. POLICY

It is NASA policy to control risk and enhance reliability in NASA spaceflight and critical ground support systems, in part, by managing the selection, acquisition, traceability, testing, handling, packaging, storage, and application of Electrical, Electronic, and Electromechanical (EEE) parts; advanced packaging and interconnect systems; and mechanical parts (including fasteners, bearings, studs, pins, rings, shims, valves, springs, brackets, clamps, and spacers) ([Requirement 10013](#)).

To carry out this policy, NASA shall accomplish the following:

- a. Select parts and packaging technology based on their intended use considering, but not limited to, performance, environmental, criticality, and lifetime requirements ([Requirement 10014](#)).
- b. Document the derating criteria for parts ([Requirement 10025](#)).
- c. Utilize the results of surveys/audits as a means to determine capability and qualification of sources ([Requirement 10026](#)). NASA Centers may utilize the results of surveys/audits performed by other Centers or third-party auditors. The process used by third-party auditors/surveyors (including those performed by other Government agencies or commercial third-party auditors) must be reviewed prior to use to determine that the process meets minimum NASA requirements ([Requirement 30896](#)).
- d. Coordinate procurement of parts among programs/Centers whenever feasible. ([Requirement 10017](#)).
- e. Maintain a NASA Parts Selection List(NPSL)to provide candidate selections for program use ([Requirement 10018](#)).
- f. Participate in the Defense Standardization Program and appropriate voluntary consensus standards programs for the EEE and Mechanical Parts commodities ([Requirement 10019](#)).
- g. Reserved

2. APPLICABILITY

This NPD applies to NASA Headquarters, NASA Centers, including Component Facilities, and to the JPL and other NASA contractors to the extent specified in their contracts.

3. AUTHORITY

- a. 42 U.S.C. 2473(c) of the National Aeronautics and Space Act of 1958, as amended.

4. REFERENCES

- a. 15 U.S.C. 5401 et seq., The "Fastener Quality Act," as amended.
- b. NPD 4200.1, "Equipment Management."
- c. NPD 7500.1, "Program and Projects Logistics Policy."
- d. NPD 8070.6, "Technical Standards."
- e. NASA Parts Selection List (NPSL) <http://nepp.nasa.gov>

5. RESPONSIBILITY

a. The Associate Administrator for Safety and Mission Assurance is responsible for the following:

(1) Reserved

(2) Assuring that effective processes and controls are in place for EEE and Mechanical Parts within the NASA Enterprises and at the Centers ([Requirement 10005](#)).

b. Enterprise Associate Administrators and Center Directors are responsible for the following:

(1) Assuring that the results of supplier audits/surveys, qualification testing, risk assessments, experience data, parts data, use of the NPSL, and production line certifications are provided to other Centers and to the Government-Industry Data Exchange Program as appropriate ([Requirement 10006](#)).

(2) Assuring that Center parts management procedures are developed, documented, and implemented ([Requirement 10007](#)).

(3) Assuring that appropriate EEE parts and electronic packaging and mechanical parts requirements are applied on NASA contracts ([Requirement 10008](#)).

6. DELEGATION OF AUTHORITY

None.

7. MEASUREMENTS

None.

8. CANCELLATION

NPD 8730.2A, dated June 8, 1998.

REVALIDATED

April 29, 2004

/S/

**Sean O'Keefe
Administrator**

ATTACHMENT A: (TEXT)

None.

(URL for Graphic)

None.

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