



**SPR 8730.2 Rev. A-1**  
**July 2021**

National Aeronautics and  
Space Administration

**John C. Stennis Space Center**  
Stennis Space Center, MS 39529-6000

## **COMPLIANCE IS MANDATORY**

**John C. Stennis Space Center**  
**NASA SSC Parts Control Program**

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Status/Change/ Revision	Change Date	Originator/Phone	Description
Basic		Karen Vander/8-3054	Initial Release
Basic-1		Kamili Shaw/8-3025	Administrative Changes
A	5/2016	Robert Simmers/8-1877	Administrative Changes Updated Applicable Documents to Current revisions. Changed Project Directorate to Project Division of the Engineering and Test Directorate and combined sections 1.1 Project Directorate and 1.3 Engineering and Test Directorate into section 1.1 Engineering and Test Directorate
A-1	7/2021	Robert Simmers/8-1877	Administrative Changes only

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## PREFACE

### P.1 PURPOSE

This National Aeronautics and Space Administration (NASA) John C. Stennis Space Center (SSC) Procedural Requirement (SPR) establishes the requirements for controlling risk and enhancing reliability in NASA flight hardware, critical Ground Support Equipment (GSE), and critical ground test systems used in Category 1 and Category 2 projects as defined by NASA Procedural Requirement (NPR) 7120.5, *NASA Space Flight Program and Project Management Requirements*. This consists of managing the selection, acquisition, traceability, testing, handling, packaging, storage, and application of the following:

- a. Electrical, electronic, and electromechanical parts.
- b. Electronic packaging and interconnect systems.
- c. Mechanical parts such as fasteners, bearings, studs, pins, rings, shims, piping components, valves, springs, brackets, clamps, and spacers.
- d. Manufacturing materials affecting the performance/acceptability of parts such as plating, solder, and weld filler material.

### P.2 APPLICABILITY

- a. This SPR is applicable to all NASA SSC personnel.
- b. This SPR is applicable to NASA SSC contractors only to the extent specified or referenced in their respective contracts.

### P.3 AUTHORITY

- a. NPD 8730.2, *NASA Parts Policy*

### P.4 APPLICABLE DOCUMENTS

All citations are assumed to be the latest version unless otherwise specified.

- a. NPR 7120.5, *NASA Space Flight Program and Project Management Requirements*
- b. NASA-STD-8739.14, *NASA Fastener Procurement, Receiving Inspection, and Storage Practices for Spaceflight Hardware*

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- c. SWI-8735-0001, *SSC Government Industry Data Exchange Program (GIDEP)/ NASA ALERTS Implementation*
- d. NPD 7500.1, *Program and Project Life-Cycle Logistics Support Policy*

## **P.5 MEASUREMENT/VERIFICATION**

Compliance with this procedure shall be monitored through the SSC Management System by conducting audits to ensure the program is being implemented properly and effectively when required.

## **P.6 CANCELLATION**

SPR 8730.2 Rev A dated May 2016.

### ***Signature on File***

Richard J. Gilbrech, Ph.D.  
Director

## **DISTRIBUTION**

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## CHAPTER 1.0 ROLES AND RESPONSIBILITIES

### 1.1 Engineering and Test Directorate

- 1.1.1 During the project formulation phase of new projects, the Project Division of the Engineering and Test Directorate (ETD) shall determine if:
  - a. The project is a Category 1 or Category 2 project as defined by NPR 7120.5, *NASA Space Flight Program and Project Management Requirements*.
  - b. The project will utilize flight hardware, critical GSE, and critical ground test systems as defined in P.1.
- 1.1.2. The Project Division of the ETD shall notify the following offices if 1.1.1 a and b are true:
  - a. Safety and Mission Assurance Directorate
  - b. Office of Procurement
- 1.1.3 The Project Manager shall:
  - a. Document in the Project Management Plan (PMP) the determination of 1.1.1 a and b.
  - b. Document in the PMP how the applicable requirements defined in NPD 8730.2, *NASA Parts Policy*, 5.f will be met if both 1.1.1 a and b are true.
  - c. Ensure the required parts procedures and control plans outlined in NPD 8730.2, *NASA Parts Policy*, 5.f are developed and implemented when applicable.
- 1.1.4 The ETD shall support its Project Division as agreed upon in the PMP to meet the applicable requirements defined in NPD 8730.2, *NASA Parts Policy*, 5.f.

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## 1.2 Safety and Mission Assurance Directorate

Upon notification from the Project Division of the ETD that 1.1.1 a and b are true, the Safety and Mission Assurance Directorate shall document in the Project Safety and Mission Assurance Plan how the applicable requirements defined in NPD 8730.2, *NASA Parts Policy*, 5.c. will be met.

## 1.3 Office of Procurement

The Office of Procurement shall support the Project Division of the ETD in carrying out applicable requirements as defined in NPD 8730.2, *NASA Parts Policy*, in accordance with Federal Acquisition Regulations (FAR) and NASA FAR Supplement requirements.

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## CHAPTER 2.0 CONTROL OF RECORDS

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### 2.1 Quality Records

The records generated as a result of this document are classified as Quality Records per SPR 1440.1, *Records Management Program Requirements*, and shall be stored and managed per the requirements of the following organizations, as applicable:

- a. Stennis Maser Records Index (SMRI)-1440-QA00, *Masters Records Index for the Safety and Mission Assurance Directorate*
- b. SMRI-1440-EA00, *Masters Records Index of the Engineering and Test Directorate*
- c. SMRI-1440-EA40, *Masters Records Index of Project Division of ETD*



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## Appendix A – Acronyms

ETD	Engineering and Test Directorate
FAR	Federal Acquisition Regulations
GIDEP	Government-Industry Data Exchange Program
GSE	Ground Support Equipment
NASA	National Aeronautics and Space Administration
NPD	NASA Policy Directive
NPR	NASA Procedural Requirement
PMP	Project Management Plan
SMRI	Stennis Master Records Index
SPR	Stennis Procedural Requirement
SSC	John C. Stennis Space Center
STD	Standard
SWI	Stennis Work Instruction