



**ARMSTRONG  
PROCEDURAL  
REQUIREMENT**

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**SUBJECT:** Waivers and Deviations to Technical Requirements and Standards

**RESPONSIBLE OFFICE:** X/Office of the Chief Engineer

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## PREFACE

### P.1 Purpose

- a. The safe and successful conduct of a flight project is heavily reliant on the identification, establishment, and management of technical requirements. These technical requirements encompass safety requirements, technical process requirements, workmanship standards, engineering standards, etc., all of which are in place to provide risk mitigation based on lessons learned and best practices. However, many of the flight projects performed at Armstrong Flight Research Center (AFRC) (henceforth referred to as “the Center”) have unique objectives or systems that require a deviation or a waiver to a technical requirement. Waivers or deviations to any requirement require approval by the proper authority.
- b. This document establishes the Center approval authority for waivers and deviations to technical requirements and standards established at different organizational levels.

### P.2 Applicability

- a. This DPR applies to all programs and projects for which the Center has technical success and/or safety responsibility. It applies to all Center employees and other NASA employees, such as those who are visiting, detailed, or assigned to the Center on a temporary basis. Its language applies to contractors, grant recipients, or parties to agreements only to the extent specified or referenced in the appropriate contracts, grants, or agreements.

### P.3 Authority

- a. NPD 1000.0, Governance and Strategic Management Handbook
- b. NPD 1000.3, The NASA Organization
- c. NPR 7120.5, NASA Space Flight Program and Project Management Requirements

### P.4 Applicable Documents

- a. Memorandum, “Delegation of Authority for Granting Relief from Office of the Chief Engineer (OCE) Requirements,” dated October 14, 2008.

### P.5 Measurement/Verification

- a. Copies of all waivers and deviations will be submitted to the Center’s Chief Engineer for verification that the approval was granted in accordance with this DPR.

### P.6 Cancellation

DPR-7123.2-001, Baseline-1, approved August 18, 2009.

*Vince Chacon*

Vince Chacon, Associate Center Director

*1/27/14*

Date

## **CHAPTER 1 WAIVER AND DEVIATION APPROVAL**

### **1.1 Project Performance Requirements**

1.1.1 Performance requirements established to define mission success criteria are owned and managed by the project. Changes, deviations or waivers to these requirements shall be documented and approved by the project in accordance with the project's Project Plan, Configuration Management Plan, or other appropriate control plans.

### **1.2 Organizational Requirements Documented in Organizational Procedures (DOP)**

1.2.1 Waivers and deviations to process or technical requirements identified in a DOP shall be approved in accordance with the waiver provisions identified in that DOP.

### **1.3 Center Requirements Documented in Centerwide Procedures (DCP), Policy Directives (DPD), Procedural Requirements (DPR)**

1.3.1 Waivers and deviations to Center defined requirements shall be recorded on form [AFRC 10117f](#), Request for Deviation or Waiver, and shall be approved by:

- a. The requesting project in accordance with the project's Configuration Management Plan, and
- b. The appropriate project level technical authority(ies) (Project Chief Engineer, Operations Engineer, or Safety and Mission Assurance representative), and
- c. The Branch Chief of the engineering or technical branch responsible for the requirement, and
- d. The single-letter Director responsible for that Branch, and
- e. The Center Chief Engineer.

1.3.2 If a waiver or deviation to Center defined requirements affects safety then the form AFRC 10117f shall also be approved by:

- a. The Branch Chief of the safety branch responsible for the affected safety area
- b. The Director of Safety and Mission Assurance

### **1.4 Agency Requirements Documented in NASA Policy Directives (NPD), NASA Procedural Requirements (NPR)**

1.4.1 Waivers and deviations to Agency defined requirements shall be approved within the Center by the same parties identified in the section 1.3 for centerwide procedures. The Center Chief Engineer will then determine the need for higher level approval in accordance with NASA policy and practice.

## **CHAPTER 2      RECORDS AND REPORTING**

### **2.1      Records**

2.1.1 All waivers and deviations shall be documented on [AFRC 10117f](#).

2.1.2 Project Managers/Organizations shall maintain the master version of all waivers and deviations applicable to their project or organization.

2.1.3 The Center's Chief Engineer shall maintain a copy of all approved waivers or deviations.

2.1.4 HQ Approval/Disapproval Memo

### **2.2      Reporting**

2.2.1 All waivers and deviations shall be reported at project Tech Briefs.

## **Appendix A: Definitions**

**Deviation** – A documented authorization releasing a program or project from meeting a requirement before the requirement is put under configuration control at the level the requirement will be implemented.

**Waiver** – A documented authorization releasing a program or project from meeting a requirement after the requirement is put under configuration control at the level the requirement will be implemented.

**Document History Log**  
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This page is for informational purposes and does not have to be retained with the document.

**Baseline, 08-18-09**

**Revision A,**

- Updated authority documents
- Added section 1.3.2
- Updated document to reflect name change from Dryden to Armstrong
- Updated form name from DFRC 117-1f to AFRC 10117f