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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 32451-2015

Space project management

航天项目管理

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the re-drafting method to modify ISO 14300-1.:2011 "Aerospace Systems Program Management Part 1. Projects structure".

Taking into account our national conditions, in the use of ISO 14300-1.:2011, the standard made some changes. The technical differences have been compiled and in the margins of the terms of the articles in which they relate. These technical differences and their differences are given in Appendix A.

List of reasons for reference.

This standard has also made the following editorial changes.

- a) the word "international standard" is changed to "this standard";
- b) Prerequisites for the removal of international standards.

This standard is proposed by China Aerospace Science and Technology Corporation.

This standard is nationalized by the National Aeronautical Technology and Its Application Standardization Technical Committee (SAC/TC425).

The drafting of this standard. China Aerospace Standardization Institute, China Space Technology Research Institute.

Introduction

This standard specifies an overview and requirements for the management of aerospace projects aimed at optimizing performance, cost and schedule, and reducing risk.

Project management is an indispensable element of any project, but for aerospace systems, it is even more important due to the following characteristics.

--- special space environmental conditions;

--- high performance requirements;

Small batch

- limited exposure to the product during operation;

--- In the event of failure in flight failure;

--- the high complexity of the organization;

--- high cost.

The requirements of this project management requirements will regulate China's space project management, promote and facilitate international space cooperation.

Aerospace project management

1 Scope

This standard specifies the space program/project management requirements, through the top-down approach, for the customer and the contract between the supplier.

The requirements for product assurance shall be in accordance with the relevant standards.

Note: A project is a collection of items. In this standard, "program" and "project" can be used in the same context.

This standard serves as a basic document for the management of aerospace projects to develop and coordinate customer project management requirements and guide the supplier to complete these items.

Management requirements.

This standard requires.

The roles, responsibilities and authorities of different customers and suppliers should be clear;

- customer and supplier activities should be coordinated;

- information between customers and suppliers should be interoperable;

--- should establish a stable and rigorous project organization;

The rules applied to different programs/projects should be as standardized as possible.

Can be tailored according to the actual situation.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 19000-2008 Quality management system foundation and terminology (ISO 9000.:2005, IDT) GB/T 19001-2008 Quality management system requirements (ISO 9001.:2008, IDT) GB/T 19017-2008 Technical Management Guide for Quality Management Systems (ISO 10007.:2003, IDT) GB/T 32299-2015 Aerospace project risk management (ISO 17666.:2003, MOD) ISO 11893 Space Systems Project Management Project Organization (Spacesystems-Programmmanagement-Project organization ISO 21351 Aerospace System Functions and Specifications (Spacesystems-Functional andtechnicalspecifications) ISO 27026 Space System Project Management Project Management Structure Decomposition (Spacesystems-Programmmanage-ment-breakdownprojectmanagementstructures

3 Terms and definitions

GB/T 19000-2008 Definitions and the following terms and definitions apply to this document.

Project

A series of start and end dates to achieve a specific goal requires coordination and control. Work should be in line with schedule, cost and Resources and other aspects of the specific requirements.

Program

A collection of closely related items. Through the coordination of their management can be obtained separately project management is difficult to obtain the whole