



National Standard of the People's Republic of China

GB/T 29076—2012

Execution requirements for quality problem close loop of aerospace product

航天产品质量问题归零实施要求

(English Translation)

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Foreword

SAC/TC 425 is in charge of this English translation. In case of any doubt about the contents of English translation, the Chinese original shall be considered authoritative.

This standard is drafted in accordance with the rules given in the GB/T 1.1—2009 *Directives for standardization—Part 1: Structure and drafting of standards*.

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

This standard was prepared by SAC/TC 425 National Technical Committee on Space Technology and Operation of Standardization Administration of China.

Introduction

This standard belongs to the National Standard System of China Space. The National Standard System of China Space is applicable to the formulation, revision, and management of national standards in the field of space, covering three sectors of space management, space technology, and space application and services and serving as the basis for guiding spacecraft and launch vehicle project management, engineering, space launch services, and in-orbit satellite applications.

The close loop quality problem solving management scheme is developed during aerospace engineering practices. The scheme provides a systematic and scientific procedure to eliminate potential quality hazards, solve quality problems and avoid their recurrence. It has been successfully applied in the aerospace industry. The implementation of the scheme will help locate problems, analyze root causes, and identify weaknesses in the quality system, which will result in better management, processes, rules, and capacity. The standard is hereby formulated to summarize and disseminate good practices so that all enterprises engaged in aerospace product development and production can implement such quality improvement procedures, optimize management and constantly improve their management capacity.

Execution requirements for quality problem close loop of aerospace product

1 Scope

This standard specifies the execution requirements for quality problem close loop of space products. The close loop quality problem includes closing problems technologically and managerially.

This standard is applicable to close loop solving of technological problems and management problems for space products from program implementation phase.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 19000 *Quality management systems—Fundamentals and vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in GB/T 19000 and the following apply.

3.1

quality problem close loop

quality problem close loop activities that include technological and management analysis of causes and mechanism for the faults, accidents, defects, non-conformity and other problems identified in product design, production, test and services, and corresponding corrective actions and preventive actions adopted in order to eliminate problems and avoid reoccurrence

3.2

technology close loop

activities that include implementation of five requirements “*exact location*, *clear mechanism*, *prob-*