

ICS 49.020

CCS V 04



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

GB/Z 217.2-2026

**Process management for avionics - Management plan - Part 2:
Preparation and maintenance of an electronic COTS assembly
management plan**

(English Translation)

Issued on: August 27, 2026

Implemented on: January 1, 1800

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

This document is a standard or guiding technical document.

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1.Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 2 of GB/T 217 "Aviation Electronics Process Management - Management Plan". GB/T 217 has been published as follows.

part.

---Part 2.Preparation and Maintenance of the Electronic Commercial Spot Components Management Plan

This document is equivalent to IEC TS62239-2.2017 "Aeronautical Electronics Process Management - Management Plan - Part 2.Electronic Commercial Spot".

The document type of "Preparation and Maintenance of Component Management Plan" has been changed from an IEC technical specification to a national standardization guidance technical document of my country.

The following minimal editorial changes have been made to this document.

---Correction to the term "singleeventeffect" in section 3.1.40;

---Corrections to the abbreviations "BoM" and "PCA" in section 3.2;

---Corrections to the notes in Appendix B.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Avionics Process Management (SAC/TC427).

Introduction

GB/T 217 "Avionics Process Management Management Plan" specifies the technical requirements for the preparation and maintenance of avionics product management plans.

The management requirements are proposed to consist of two parts.

---Part 1.Preparation and Maintenance of Electronic Component Management Plans. The aim is to address the management of electronic equipment in aerospace applications.

Manufacturers, subcontractors, repair shops, and other users of aerospace components should develop an Electronic Component Management Plan (ECMP) to ensure...

The selection and application of all electronic components in the protection equipment are carried out under a controlled process adapted to the final application.

---Part 2.Preparation and Maintenance of Electronic Commercial Off-the-Shelf Component Management Programs. This program is designed for aerospace, defense, and high-performance applications.

(ADHP) Application Areas. Integration and Management of Electronic Commercial Off-the-Shelf (COTS) Components Used in Electronic Systems; Development of Electronic Commercial Off-the-Shelf (COTS) Components.

Use Cash Component Management Programs (CAMPs).

This document contains the requirements for developing an electronic commercial off-the-shelf component management plan to ensure that users are confident in the plan's responsibility regarding all equipment.

Electronic commercial off-the-shelf components are selected and applied through a controlled process and meet the technical requirements detailed in this document. Typically, electronic commercial off-the-shelf...

The responsible parties for the component management program are original equipment manufacturers (OEMs) and system integrators in the aerospace, defense, and high-performance electronics industries.

The goal is to define and document procedures as needed to ensure the suitability of commercially available off-the-shelf components selected for electronic systems.

Aviation Electronics Process Management Management Plan

Part 2. Electronic Commercial Spot Component Management Plan

Preparation and maintenance

1 Scope

This document applies to high-reliability applications in aerospace, defense, and high-performance (ADHP) fields, and is compiled and maintained for use in electronic commerce.

E-Commerce Off-the-Shelf (COTS) Component Management Programs (CAMPs) for the integration and management of off-the-shelf components (see 3.1.13 and 3.1.20).

An Electronic Component Management Plan (ECMP) was implemented. When electronic components can be identified and managed at the component level, ECMP can serve as a backup for component management.

Choose a solution.

Note 2: Chapter 3 clarifies the distinction between electronic components and electronic assemblies. There is usually no strict definition between electronic components and electronic assemblies; for example, filters...

Contactors, power modules, relays, magnetic components, etc., can be considered both electronic components and electronic parts. It is recommended that users of this document [discuss/components] in each [entity/component].

Clearly distinguish between the two in the application of the equipment/system.

Based on project or product line requirements and/or the technical characteristics of electronic commercial off-the-shelf components, and with the user's consent, electronic commercial off-the-shelf component management...

The plan can be tailored to the requirements of this document; see Appendix A for details.

This document was developed for the avionics industry, but it can also be used as a

reference for other high-performance and high-reliability industries.

2 Normative references

This document has no normative references.

3.1 Terms and Definitions

The following terms and definitions apply to this document.

The URLs for the terminology databases maintained by ISO and IEC for standardization work are as follows.

3.1.1

Analysis

Compare with previously obtained data, reference materials, operating procedures, or test results to verify whether the corresponding requirements are met.

Sex, parameters, or criteria.

3.1.2

The process of testing and/or analyzing the capabilities of a component when its internal configuration control is insufficient to support traditional identification methods.

Note: MIL-STD-1521 provides information about the purpose of identification.

3.1.3

Component manufacturer

The organization responsible for defining and producing component specifications.

END: Draft Version (GBZ217.2-2026)