

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Process management for avionics – Management plan –  
Part 1: Preparation and maintenance of an electronic components management  
plan**

**Gestion des processus pour l'avionique – Plan de gestion –  
Partie 1: Préparation et maintenance d'un plan de gestion des composants  
électroniques**



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INTERNATIONAL  
ELECTROTECHNICAL  
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COMMISSION  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**PROCESS MANAGEMENT FOR AVIONICS –  
MANAGEMENT PLAN –**
**Part 1: Preparation and maintenance of  
an electronic components management plan**
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International Standard IEC 62239-1 has been prepared by IEC technical committee 107: Process management for avionics.

IEC 62239-1 cancels and replaces IEC TS 62239-1 published in 2015.

This first edition cancels and replaces the first edition of IEC TS 62239-1 published in 2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) added references to SAE EIA-STD-4899, IECQ OD 3702, IECQ OD 3407-1, IEC TR 62240-2, IECQ component schemes, SAE AS6081, SAE AS6171, GEIA-STD-0005-1 GEIA STD 0008;

- b) replaced Annex C (which was transferred into IEC TR 62240-2) with a cross-reference table to SAE EIASTD4899 rev C clauses/subclauses for guidance purposes only;
- c) added the analysis of component technical erratum in 4.8.2;
- d) updated Bibliography and reference documents.

The text of this international standard is based on the following documents:

CDV	Report on voting
107/320/CDV	107/333/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62239 series under the general title *Process management for avionics – Management plan*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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## INTRODUCTION

This document provides the structure for avionics equipment manufacturers, subcontractors, maintenance facilities, and other aerospace component users to develop their own electronic component management plan (ECMP), hereinafter also referred to as 'plan'. This document states objectives to be accomplished. The plan does not describe specific requirements and those who prepare plans in compliance with this document will document processes that are the most effective and efficient for them in accomplishing the objectives of this document. In order to allow flexibility in implementing and updating the documented processes, plan owners are encouraged to refer to their own internal process documents instead of including detailed process documentation within their plans.

NOTE The equipment manufacturer, often called in the industry the original equipment manufacturer (OEM) is in general considered as the plan owner.

This component management document is intended for aerospace users of electronic components. This document is not intended for use by the manufacturers of electronic components. Components selected and managed according to the requirements of a plan compliant with this document may be approved by the concerned parties for the proposed application, and for other applications with equal or less severe requirements.

Organizations that prepare such plans may prepare a single plan and use it for all relevant products supplied by the organization or may prepare a separate plan for each relevant product or customer.