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Process management for avionics — Electronic components for aerospace, defence and high performance (ADHP) applications

Part 2: General requirements for passive components

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee GEL/107, Process management for avionics.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Part 2: General requirements for passive components

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Part 2: General requirements for passive components

FOREWORD

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STACK specification S/0003 has served as a basis for the development of Part 2 of this publicly available specification.

IEC PAS 62686-2 has been processed by IEC technical committee 107: Process management for avionics.

The text of this PAS is based on the following document:	This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document
Draft PAS	**Report on voting**
107/281/PAS	107/284A/RVD

Following publication of this PAS, which is a pre-standard publication, the technical committee or subcommittee concerned may transform it into an International Standard.

This PAS shall remain valid for an initial maximum period of 3 years starting from the publication date. The validity may be extended for a single 3-year period, following which it shall be revised to become another type of normative document, or shall be withdrawn.

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PROCESS MANAGEMENT FOR AVIONICS – ELECTRONIC COMPONENTS FOR AEROSPACE, DEFENCE AND HIGH PERFORMANCE (ADHP) APPLICATIONS –

Part 2: General requirements for passive components

1 Scope

This PAS defines the minimum requirements for general purpose ‘off the shelf’ COTS passive components for ADHP (Aerospace, Defence and High Performance) applications.

This specification is intended to be used wherever possible for components that typically can be applied to operate in high reliability applications within the manufacturers publicly available datasheet limits. This document can be used in conjunction with IEC TS 62239-1 for avionics applications.

This specification is identical to STACK Specification S/0003 issue 02 which is included in Annex A.

NOTE Adoption of the STACK Specification S/0003 issue 02 will enable all existing STACK Certified manufacturers to be audited by IECQ under the STACK-IECQ joint venture.

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.

See the referenced documents within Annex A.

3 Terms, definitions and abbreviated terms

For the purposes of this document, the following terms, definitions and abbreviations apply. When the following terms are used in *italics* they have the meaning defined in this clause.

3.1
available
accessible, obtainable

Note 1 to entry: For example technical data, documents, etc. are information that can be requested and made available for consultation or analysis.

3.2
calendar days
continuous days, including weekends and holidays

[SOURCE: IEC 62686-1:2015, 3.1.1]

3.3
component
device
electrical or electronic device that is not subject to disassembly without destruction or impairment of design use