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Aerospace series - Programme management - Guide to dependability and safety control

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This standard includes the English version of the European Standard.

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Luft- und Raumfahrt - Programm-Management -
Richtlinien für die RAMS-Management

This European Standard was approved by CEN on 7 April 2025.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN 9227-1:2025 (E)**European foreword**

This document (EN 9227-1:2025) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2025, and conflicting national standards shall be withdrawn at the latest by November 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Introduction

The success of a programme depends on optimizing the compromise between the expected technical and operational performance of the products, the cost of these products and the lead-time to realize them.

In this context, products dependability and safety control is a key activity which cannot be separated from other product performance control or programme management.

This document is thus one of the documents supporting EN 9200 concerning the programme management specification.

EN 9227-1:2025 (E)**1 Scope**

The purpose of this document is to provide customers and their suppliers with a document specifying the notions of “construction” and “management” of product dependability and safety (RAMS).

It offers programme directors and project managers information likely to help them:

- determine the tasks to be performed and the application procedures, according to the specific nature of the programme and its goals;
- define and implement the provisions necessary for performing these tasks;
- within programme execution, situate the various tasks involved in constructing and managing the RAMS of a product.

This document applies to all programmes that involve customer/supplier relation.

RAMS management concerns not only all the products covered by these programmes, but also the components of these products and the production and support resources and processes to be implemented.

The provisions of this document can be negotiated at all levels between the parties directly concerned by a given programme. This implies, on the part of the ordering parties, that each lower level is provided with the information needed to perform the tasks and meet the specified targets. This also implies, on the part of suppliers, an escalation of information pertaining to the RAMS results of the products for which they are responsible.

This document is mainly concerned with the technical aspects, aspects of a legislative (in particular safety at work and regulatory conformity) and confidential nature are not dealt with in this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 9200, *Aerospace series — Programme management — Guidelines for project management specification*

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