

Space product assurance - Product assurance
management

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 16602-10:2017 sisaldab Euroopa standardi EN 16602-10:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 16602-10:2017 consists of the English text of the European standard EN 16602-10:2017.
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ICS 49.140

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English version

Space product assurance - Product assurance management

Assurance produit des projets spatiaux - Gestion de
l'assurance produitRaumfahrtproduktsicherung - Management der
Produktsicherung

This European Standard was approved by CEN on 22 December 2016.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 16602-10:2017) has been prepared by Technical Committee CEN-CENELEC/TC 5 "Space", the secretariat of which is held by DIN.

This standard (EN 16602-10:2017) originates from ECSS-Q-ST-10C Rev.1.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2017, and conflicting national standards shall be withdrawn at the latest by August 2017.

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

This document supersedes EN 13291-1:1999 Space products assurance - General requirements - Part 1: Policy and principles.

The main changes with respect to EN 13291-1:1999 are listed below:

- new EN number and modified title,
- material common to the three ECSS branches (Space engineering, Space project management and Space product assurance moved to EN 16601-00 (EN version of ECSS-S-ST-00), material specific to product assurance to this standard,
- reorganization of the content of the document to separate descriptive text and requirements, including clarification, modification of requirements and implementation of change requests,
- pre-tailoring matrix (Clause 6) added,
- addition of new DRDs.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This document has been developed to cover specifically space systems and has therefore precedence over any EN covering the same scope but with a wider domain of applicability (e.g. : aerospace).

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

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Scope

The ECSS standards of the Q branch describe a set of requirements for a Product Assurance programme to be implemented throughout the phases of a space project.

This document defines the Product assurance management requirements for space projects.

This document is structured in two main parts, the first part presenting the principles of Product Assurance management and the second providing the detailed requirements.

In addition, the expected content of the Product Assurance plan is specified in Annex A. Information on the expected delivery of ECSS PA management discipline documents per review is provided in Annex D.

This Standard is applicable to all space projects.

This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

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Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this ECSS Standard. For dated references, subsequent amendments to, or revision of any of these publications do not apply. However, parties to agreements based on this ECSS Standard are encouraged to investigate the possibility of applying the more recent editions of the normative documents indicated below. For undated references, the latest edition of the publication referred to applies.

EN reference	Reference in text	Title
EN 16601-00-01	ECSS-S-ST-00-01	ECSS system – Glossary of terms
EN 16602-10-04	ECSS-Q-ST-10-04	Space product assurance – Critical-item control
EN 16602-10-09	ECSS-Q-ST-10-09	Space product assurance – Nonconformance control system