

Space engineering - Testing

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14824:2004 sisaldab Euroopa standardi EN 14824:2003 ingliskeelset teksti.	This Estonian standard EVS-EN 14824:2004 consists of the English text of the European standard EN 14824:2003.
Käesolev dokument on jõustatud 27.04.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 27.04.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard, a) specifies standard environmental and performance test requirements for a space system and its constituents; b) specifies the test requirements for products and systems that are generally applicable to all projects; c) specifies the documentation associated with testing activities; d) is applicable to all types and combinations of project, organization and product; e) is applicable to space systems and its constituents; and f) covers each stage of verification by testing, for a space system from development to post-landing	Scope: This European Standard, a) specifies standard environmental and performance test requirements for a space system and its constituents; b) specifies the test requirements for products and systems that are generally applicable to all projects; c) specifies the documentation associated with testing activities; d) is applicable to all types and combinations of project, organization and product; e) is applicable to space systems and its constituents; and f) covers each stage of verification by testing, for a space system from development to post-landing
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English version

Space engineering - Testing

Raumfahrttechnik - Tests

This European Standard was approved by CEN on 1 October 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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 member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14824:2003) has been prepared by CMC.

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 June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

In this European Standard the annexes A and B are informative and the annex C is normative.

It is based on a previous version¹⁾ originally prepared by the ECSS Space engineering testing Working Group, reviewed by the ECSS Technical Panel and approved by the ECSS Steering Board. The European Cooperation for Space Standardization (ECSS) is a cooperative effort of the European Space Agency, National Space Agencies and European industry associations for the purpose of developing and maintaining common standards.

This standard is one of the series of space standards intended to be applied together for the management, engineering and product assurance in space projects and applications.

Requirements in this standard are defined in terms of what shall be accomplished, rather than in terms of how to organize and perform the necessary work. This allows existing organizational structures and methods to be applied where they are effective, and for the structures and methods to evolve as necessary without rewriting the standards.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

¹⁾ ECSS-E-10-03A

1 Scope

This European Standard;

- a) specifies standard environmental and performance test requirements for a space system and its constituents;
- b) specifies the test requirements for products and systems that are generally applicable to all projects;
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- d) is applicable to all types and combinations of project, organization and product;
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- f) covers each stage of verification by testing, for a space system from development to post-landing.

This European Standard does not specify acceptance criteria, specifications or procedures for any particular project or class of projects. In addition this standard does not apply to software testing, hardware below equipment levels, nor covers the following:

- sounding rockets;
- launch facilities;
- test facilities;
- training facilities and ground refurbishment;
- logistic facilities; and
- engine testing.

The requirements specified in this European Standard should be tailored to match the requirements of the particular profile and circumstances of a project.

NOTE Tailoring is a process by which individual requirements or specifications, standards and related documents are evaluated and made applicable to a specific project by selection, and in some exceptional cases, modification of existing or addition of new requirements.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 13701:2001, *Space systems — Glossary of terms*.