



SLOVENSKI STANDARD

SIST EN 62309:2007

01-januar-2007

Zagotovljivost izdelkov, ki vsebujejo rabljene dele - Zahteve za funkcionalnost in preskušanje (IEC 62309:2004)

Dependability of products containing reused parts - Requirements for functionality and tests

Zuverlässigkeit von Produkten mit wieder verwendeten Teilen - Anforderungen an Funktionalität und Prüfungen

Sûreté de fonctionnement des produits contenant des composants réutilisés - Exigences pour la fonctionnalité et les essais

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Ta slovenski standard je istoveten z: **EN 62309:2004**

ICS:

03.120.01	Kakovost na splošno	Quality in general
21.020	Značilnosti in načrtovanje strojev, aparatov, opreme	Characteristics and design of machines, apparatus, equipment

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EUROPEAN STANDARD

EN 62309

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2004

ICS 03.120.30 ; 21.020

English version

**Dependability of products containing reused parts –
Requirements for functionality and tests
(IEC 62309:2004)**

Sûreté de fonctionnement des produits
contenant des composants réutilisés -
Exigences pour la fonctionnalité
et les essais
(CEI 62309:2004)

Zuverlässigkeit von Produkten
mit wieder verwendeten Teilen –
Anforderungen an Funktionalität
und Prüfungen
(IEC 62309:2004)

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This European Standard was approved by CENELEC on 2004-09-01. CENELEC 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 Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

EN 62309:2004

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Foreword

The text of document 56/945/FDIS, future edition 1 of IEC 62309, prepared by IEC TC 56, Dependability, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62309 on 2004-09-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62309:2004 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

ISO 9000	NOTE	Harmonized as EN ISO 9000:2000 (not modified).
ISO 9001	NOTE	Harmonized as EN ISO 9001:2000 (not modified).
IEC 60300-1	NOTE	Harmonized as EN 60300-1:2003 (not modified).
IEC 60300-2	NOTE	Harmonized as EN 60300-1:2004 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-191	1990	International Electrotechnical Vocabulary (IEV) Chapter 191: Dependability and quality of service	-	-

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STANDARD

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2004-07

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DEPENDABILITY OF PRODUCTS CONTAINING REUSED PARTS – REQUIREMENTS FOR FUNCTIONALITY AND TESTS

FOREWORD

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International Standard IEC 62309 has been prepared by IEC technical committee 56: Dependability.

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

FDIS	Report on voting
56/945/FDIS	56/968/RVD

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

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

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

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

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INTRODUCTION

The marketplace for products in the 21st century is a rapidly changing one. Now there are new pressures of environment and increased speed of technological growth, causing a need to rethink the old idea of "what constitutes a new product ? ".

The environmental changes have shown the old ways to be very wasteful on the environment and its resources. Owing to the improving quality of manufacturing, most parts have been manufactured with a life expectancy far longer than the user needs, which leads to products and their component parts being disposed of despite the potential usefulness they still contain.

Technological changes too make products both more reliable and also obsolete (or less fashionable) at a faster rate; these two conflicting situations also fuel the cycle of waste.

The solution to this cycle of waste is to introduce a standard that will reassure customers and manufacturers that they can have products produced using parts that have been used previously (qualified-as-good-as-new parts), without loss of dependability.

These parts will have to meet high acceptance criteria to move their status from being second-hand parts onto this new level (qualified-as-good-as-new). These criteria will ensure that not only does the lifetime of the part match or exceed the needs and expectations of the next owner, but also the functions are as good as the alternative unused part.

The first application of this standard should be made at the design stage, where potential "qualified-as-good-as-new " parts will be highlighted for reuse; the acceptance criteria will then be drawn up for all parts highlighted.

Later on, when the products are ready to be recycled, the selected parts have to pass those criteria prior to incorporation into other products.

To protect the customer from misuse of the standard, it will be indispensable to tell the end customer that the product contains "qualified-as-good-as-new" parts, which will not affect its functionality, lifecycle or safety, and that documentation exists showing which parts have been incorporated.

The benefits of this to the manufacturer are in reduced spending on new parts, meeting proposed legislation, and the assurance that this will not affect the customers' perception of their quality.

The benefits to the customer are in receiving a quality product, totally fit for purpose and life expectancy, in the knowledge that the methods used were environmentally friendly, and fully controlled.