ILNAS

Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN IEC 62506:2023

Methods for product accelerated testing

Verfahren für beschleunigte Produktprüfungen

Méthodes d'essais accélérés de produits

12/2023

National Foreword

This European Standard EN IEC 62506:2023 was adopted as Luxembourgish Standard ILNAS-EN IEC 62506:2023.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 62506

December 2023

ICS 03.120.01; 21.020

Supersedes EN 62506:2013

English Version

Methods for product accelerated testing (IEC 62506:2023)

Méthodes d'essais accélérés de produits (IEC 62506:2023)

Verfahren für beschleunigte Produktprüfungen (IEC 62506:2023)

This European Standard was approved by CENELEC on 2023-12-12. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 62506:2023 E

European foreword

The text of document 56/2000/FDIS, future edition 2 of IEC 62506, prepared by IEC/TC 56 "Dependability" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62506:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-09-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-12-12

This document supersedes EN 62506:2013 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 62506:2023 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 standard indicated:

IEC 62740:2015	NOTE Approved as EN 62740:2015 (not modified)
IEC 60812	NOTE Approved as EN IEC 60812
IEC 61163-2	NOTE Approved as EN IEC 61163-2
IEC 60300-3-4	NOTE Approved as EN IEC 60300-3-4
IEC 60068 (series)	NOTE Approved as EN 60068 (series)
IEC 61014	NOTE Approved as EN 61014
IEC 61163-1	NOTE Approved as EN 61163-1
IEC 61164:2004	NOTE Approved as EN 61164:2004 (not modified)
IEC 61125:2018	NOTE Approved as EN IEC 61125:2018 (not modified)

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60050-192	-	International electrotechnical vocabulary - Part 192: Dependability	-	-
IEC 60300-3-5	-	Dependability management - Part 3-5: Application guide - Reliability test conditions and statistical test principles	-	-
IEC 60605-2	-	Equipment reliability testing - Part 2: Design of test cycles	-	-
IEC 60721	series	Classification of environmental conditions	EN 60721	series
IEC 61123	2019	Reliability testing - Compliance test plans for success ratio	EN IEC 61123	2020
IEC 61124	2023	Reliability testing - Compliance tests for constant failure rate and constant failure intensity	EN IEC 61124	2023
IEC 61649	2008	Weibull analysis	EN 61649	2008
IEC 61709	-	Electric components - Reliability - Reference conditions for failure rates and stress models for conversion	EN 61709	-
IEC 61710	-	Power law model - Goodness-of-fit tests and estimation methods	EN 61710	-
IEC 62429	-	Reliability growth - Stress testing for early failures in unique complex systems	EN 62429	-

IEC 62506

Edition 2.0 2023-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

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IEC 62506:2023-11(en-fr)

CONTENTS