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Irish Standard
I.S. EN 62508:2010

Guidance on human aspects of dependability (IEC 62508:2010 (EQV))

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62508

October 2010

ICS 03.120.01

English version

Guidance on human aspects of dependability
(IEC 62508:2010)

Lignes directrices relatives aux facteurs humains dans la sûreté de fonctionnement
(CEI 62508:2010)

Leitlinien zu den menschlichen Aspekten der Zuverlässigkeit
(IEC 62508:2010)

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European Committee for Electrotechnical Standardization
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Foreword

The text of document 56/1365/FDIS, future edition 1 of IEC 62508, prepared by IEC TC 56, Dependability, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62508 on 2010-10-01.

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

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)	2011-07-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2013-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62508:2010 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:

IEC 60812:2006	NOTE	Harmonized as EN 60812:2006 (not modified).
ISO 6385:2004	NOTE	Harmonized as EN ISO 6385:2004 (not modified).
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ISO 9241-12:1998	NOTE	Harmonized as EN ISO 9241-12:1998 (not modified).
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ISO 9241-302:2008	NOTE	Harmonized as EN ISO 9241-302:2008 (not modified).
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ISO 9241-307:2008	NOTE	Harmonized as EN ISO 9241-307:2008 (not modified).
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ISO 11064-3	NOTE	Harmonized as EN ISO 11064-3.
ISO 11064-4	NOTE	Harmonized as EN ISO 11064-4.
ISO 11064-5	NOTE	Harmonized as EN ISO 11064-5.
ISO 11064-6	NOTE	Harmonized as EN ISO 11064-6.
ISO 11064-7	NOTE	Harmonized as EN ISO 11064-7.

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

Publication	Year	Title	EN/HD	Year
IEC 60300-1	2003	Dependability management - Part 1: Dependability management systems	EN 60300-1	2003
IEC 60300-2	-	Dependability management - Part 2: Guidelines for dependability management	EN 60300-2	-
IEC 60300-3-15	-	Dependability management - Part 3-15: Application guide - Engineering of system dependability	EN 60300-3-15	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

GUIDANCE ON HUMAN ASPECTS OF DEPENDABILITY

FOREWORD

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International Standard IEC 62508 has been prepared by IEC technical committee 56: Dependability.

This first edition cancels and replaces IEC/PAS 62508 published in 2007.

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

FDIS	Report on voting
56/1365/FDIS	56/1373/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.

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The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability 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
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INTRODUCTION

This International Standard provides guidelines on human aspects of dependability of systems. It fills the need for a standard to address the dependability of human/machine systems.

It gives guidance on how the human aspects of dependability can be considered at all the system life cycle stages, including ergonomic principles during design and human reliability understanding for system applications.

This standard provides an overview of the principles with some examples of the types of methods that can be used.

It is intended that a supporting standard, which describes more detailed methods that include quantification of human reliability will follow the issue of this standard in due course.

This standard contains recommendations, and does not include any requirements. Attention is drawn to the possibility of the existence of regulatory requirements for systems covered by the scope of this standard.

SAI GLOBAL

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