



National Standards Authority of Ireland

STANDARD

**I.S. EN 60300-3-1:2004**

ICS 03.120.30  
21.020

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Fax: (01) 807 3838

**DEPENDABILITY MANAGEMENT PART 3-1:**

**APPLICATION GUIDE - ANALYSIS**

**TECHNIQUES FOR DEPENDABILITY - GUIDE**

**ON METHODOLOGY (IEC 60300-3-1:2003)**

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EUROPEAN STANDARD

**EN 60300-3-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2004

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English version

**Dependability management  
Part 3-1: Application guide –  
Analysis techniques for dependability –  
Guide on methodology  
(IEC 60300-3-1:2003)**

Gestion de la sûreté de fonctionnement  
Partie 3-1: Guide d'application -  
Techniques d'analyse de la sûreté  
de fonctionnement –  
Guide méthodologique  
(CEI 60300-3-1:2003)

Zuverlässigkeitsmanagement  
Teil 3-1: Anwendungsleitfaden –  
Verfahren zur Analyse der Zuverlässigkeit -  
Leitfaden zur Methodik  
(IEC 60300-3-1:2003)

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.

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**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**

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## Foreword

The text of the International Standard IEC 60300-3-1:2003, prepared by IEC TC 56, Dependability, was submitted to the formal vote and was approved by CENELEC as EN 60300-3-1 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) 2005-09-01
- 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.

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## Endorsement notice

The text of the International Standard IEC 60300-3-1:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60300-2      NOTE      Harmonized as EN 60300-2:1996 (not modified).

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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 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	-	-
IEC 60300-3-2	1993	Dependability management Part 3: Application guide – Section 2: Collection of dependability data from the field	-	-
IEC 60300-3-4	1996	Part 3: Application guide – Section 4: Guide to the specification of dependability requirements	-	-
IEC 60300-3-5	2001	Part 3-5: Application guide - Reliability test conditions and statistical test principles	-	-
IEC 60300-3-10	2001	Part 3-10: Application guide - Maintainability	-	-
IEC 60706-1	1982	Guide on maintainability of equipment Part 1 - Sections 1, 2 and 3: Introduction, requirements and maintainability programme	-	-
IEC 60706-2	1990	Part 2 - Section 5: Maintainability studies during the design phase	-	-
IEC 60812	1985	Analysis techniques for system reliability - Procedure for failure mode and effects analysis (FMEA)	HD 485 S1	1987
IEC 61078	1991	Analysis techniques for dependability - Reliability block diagram method	EN 61078	1993
IEC 61165	1995	Application of Markov techniques	-	-
IEC 61709	1996	Electronic components - Reliability - Reference conditions for failure rates and stress models for conversion	EN 61709	1998

EN 60300-3-1:2004

- 4 -

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61882	2001	Hazard and operability studies (HAZOP studies) - Application guide	-	-
ISO 9000	2000	Quality management systems - Fundamentals and vocabulary	EN ISO 9000	2000

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