



National Standards Authority of Ireland

STANDARD

**I.S. EN 61164:2004**

ICS 03.120.01  
03.120.30

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

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

**RELIABILITY GROWTH - STATISTICAL TEST  
AND ESTIMATION METHODS (IEC 61164:2004)**

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EUROPEAN STANDARD

**EN 61164**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

**Reliability growth -  
Statistical test and estimation methods  
(IEC 61164:2004)**

Croissance de la fiabilité -  
Tests et méthodes  
d'estimation statistiques  
(CEI 61164:2004)

Zuverlässigkeitswachstum -  
Statistische Prüf- und Schätzverfahren  
(IEC 61164:2004)

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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 document 56/920/FDIS, future edition 2 of IEC 61164, prepared by IEC TC 56, Dependability, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61164 on 2004-04-01.

This European Standard should be used in conjunction with EN 61014:2003.

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) 2005-01-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2007-04-01

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 61164:2004 was approved by CENELEC as a European Standard without any modification.

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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 60300-3-5	2001	Dependability management Part 3-5: Application guide - Reliability test conditions and statistical test principles	-	-
IEC 60605-4	- <sup>1)</sup>	Equipment reliability testing Part 4: Statistical procedures for exponential distribution - Point estimates, confidence intervals, prediction intervals and tolerance intervals	-	-
IEC 60605-6	- <sup>1)</sup>	Part 6: Tests for the validity of the constant failure rate or constant failure intensity assumptions	-	-
IEC 61014	2003	Programmes for reliability growth	EN 61014	2003

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<sup>1)</sup> Undated reference.



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