



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61400-12:1999

ICS 27.180

**WIND TURBINE GENERATOR SYSTEMS**  
**PART 12: WIND TURBINES POWER**  
**PERFORMANCE TESTING**  
**(IEC 61400-12:1998)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
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English version

**Wind turbine generator systems**  
**Part 12: Wind turbines power performance testing**  
**(IEC 61400-12:1998)**

Aérogénérateurs  
Partie 12: Techniques de mesure  
des performances de puissance  
(CEI 61400-12:1998)

Windenergieanlagen  
Teil 12: Meßverfahren zur Bestimmung  
des Leistungsverhaltens bei  
Windenergieanlagen  
(IEC 61400-12:1998)

This European Standard was approved by CENELEC on 1998-04-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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**

### **Foreword**

The text of document 88/85/FDIS, future edition 1 of IEC 61400-12, prepared by IEC TC 88, Wind turbine systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61400-12 on 1998-04-01.

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) 1999-01-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2001-01-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes A, C and ZA are normative and annexes B, D and E are informative.  
Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 61400-12:1998 was approved by CENELEC as a European Standard without any modification.

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

IEC 61400-1 NOTE: Harmonized as ENV 61400-1:1995 (not modified).

IEC 61400-2 NOTE: Harmonized as EN 61400-2:1996 (not modified).

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**Annex ZA (normative)****Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When 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 60044-1	1996	Instrument transformers Part 1: Current transformers	-	-
IEC 60186 + A1 (mod) A2	1987 1988 1995	Voltage transformers	HD 554 S1 -	1992 -
IEC 60688	1992	Electrical measuring transducers for converting a.c. electrical quantities to analogue or digital signals	EN 60688	1992
ISO 2533	1975	Standard atmosphere	-	-

Guide to the expression of uncertainty in measurement, ISO information publications, 1995,  
110 p. ISBN 92-67-10188-9



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