ÖVE/ÖNORM
EN 61400-3

Edition: 2010-03-01

Wind turbines
Part 3: Design requirements for offshore wind turbines
(IEC 61400-3:2009)

Windenergieanlagen –
Teil 3: Auslegungsanforderungen für Windenergieanlagen auf offener See
(IEC 61400-3:2009)

Eoliennes – Partie 3: Exigences de conception des éoliennes en pleine mer
(CEI 61400-3:2009)

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National Foreword

This European Standard EN 61400-3:2009 has the status of an Austrian Electrotechnical Regulation in accordance with the Austrian Electrotechnical Act 1992 and the status of an Austrian Standard in accordance with the Austrian Federal Act on Standardization 1971.

The legal status of this Austrian Electrotechnical Regulation/Austrian Standard is stated in the respective decree under the Electrotechnical Act.

European Standards (EN) are implemented as Austrian Electrotechnical Regulations/Austrian Standards according to the common CEN/CENELEC Internal Regulations by publication of an identical text and by adding ÖVE/ÖNORM to the EN number.

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61400-3

April 2009

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English version

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This European Standard was approved by CENELEC on 2009-04-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 61400-3:2009 E

Foreword

The text of document 88/329/FDIS, future edition 1 of IEC 61400-3, prepared by IEC TC 88, Wind turbines, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61400-3 on 2009-04-01.

This European Standard is to be read in conjunction with EN 61400-1:2005.

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) 2010-01-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61400-3:2009 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 60034	NOTE Harmonized in EN 60034 series (partially modified).
IEC 60038	NOTE Harmonized as HD 472 S1:1989 (modified), with the following title "*Nominal voltages for low-voltage public electricity supply systems*".
IEC 60146	NOTE Harmonized in EN 60146 series (not modified).
IEC 60204-1	NOTE Harmonized as EN 60204-1:2006 (modified).
IEC 60204-11	NOTE Harmonized as EN 60204-11:2000 (not modified).
IEC 60227	NOTE Is related to HD 21 series (not equivalent).
IEC 60245	NOTE Is related to HD 22 series (not equivalent).
IEC 60269	NOTE Harmonized in EN 60269 series (modified).
IEC 60364	NOTE Harmonized in HD 384/HD 60364 series (modified).
IEC 60439	NOTE Harmonized in EN 60439 series (partially modified).
IEC 60446	NOTE Harmonized as EN 60446:1999 (not modified).
IEC 60529	NOTE Harmonized as EN 60529:1991 (not modified).
IEC 61000-6-1	NOTE Harmonized as EN 61000-6-1:2007 (not modified).
IEC 61000-6-2	NOTE Harmonized as EN 61000-6-2:2005 (not modified).
IEC 61000-6-4	NOTE Harmonized as EN 61000-6-4:2007 (not modified).
IEC 61310-1	NOTE Harmonized as EN 61310-1:1995 (not modified).
IEC 61310-2	NOTE Harmonized as EN 61310-2:1995 (not modified).
IEC 61400-21	NOTE Harmonized as EN 61400-21:2002 (not modified).

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 60721-2-1 + A1	1982 1987	Classification of environmental conditions - Part 2-1: Environmental conditions appearing in nature - Temperature and humidity	HD 478.2.1 S1	1989
IEC 61400-1	2005	Wind turbines - Part 1: Design requirements	EN 61400-1	2005
IEC 62305-3 (mod)	2006	Protection against lightning - Part 3: Physical damage to structures and life hazard	EN 62305-3 + corr. September + A11	2006 2008 2009
IEC 62305-4	2006	Protection against lightning - Part 4: Electrical and electronic systems within structures	EN 62305-4 + corr. November	2006 2006
ISO 2394	1998	General principles on reliability for structures	-	-
ISO 2533	1975	Standard atmosphere	-	-
ISO 9001	2000	Quality management systems - Requirements	EN ISO 9001	2000
ISO 19900	2002	Petroleum and natural gas industries - General requirements for offshore structures	EN ISO 19900	2002
ISO 19901-1	2005	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 1: Metocean design and operating considerations	EN ISO 19901-1	2005
ISO 19901-4	2003	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 4: Geotechnical and foundation design considerations	EN ISO 19901-4	2003
ISO 19902	- [1)]	Petroleum and natural gas industries - Fixed steel offshore structures	EN ISO 19902	2007 [2)]
ISO 19903	2006	Petroleum and natural gas industries - Fixed concrete offshore structures	EN ISO 19903	2006

[1)] Undated reference.

[2)] Valid edition at date of issue.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

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La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

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