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Wind energy generation systems

Part 3-1: Design requirements for fixed offshore wind turbines

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National foreword

This British Standard is the UK implementation of EN IEC 61400-3-1:2019+A11:2020. It is derived from IEC 61400-3-1:2019. It supersedes BS EN IEC 61400-3-1:2019, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/88, Wind turbines.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

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English Version

**Wind energy generation systems - Part 3-1: Design
requirements for fixed offshore wind turbines
(IEC 61400-3-1:2019)**

Systèmes de génération d'énergie éolienne – Partie 3-1 :
Exigences de conception des éoliennes fixes en pleine mer
(IEC 61400-3-1:2019)

Windenergieanlagen - Teil 3-1: Auslegungsanforderungen
für Windenergieanlagen auf offener See
(IEC 61400-3-1:2019)

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EN IEC 61400-3-1:2019+A11:2020 (E)**European foreword**

The text of document 88/708/FDIS, future edition 1 of IEC 61400-3-1, prepared by IEC/TC 88 "Wind energy generation systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61400-3-1:2019.

The following dates are fixed:

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-09-20

This document supersedes EN 61400-3:2009 and all of its amendments and corrigenda (if any).

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

IEC 60034 (series)	NOTE	Harmonized as EN 60034-9:2005/A1 (series)
IEC 60038	NOTE	Harmonized as EN 60038
IEC 60146 (series)	NOTE	Harmonized as EN 60146 (series)
IEC 60204-1	NOTE	Harmonized as EN 60204-1
IEC 60204-11:2000	NOTE	Harmonized as EN 60204-11:2000 (not modified)
IEC 60269 (series)	NOTE	Harmonized as EN 60269 (series)
IEC 60364 (series)	NOTE	Harmonized as HD 60364 (series) (modified)
IEC 60439 (series)	NOTE	Harmonized as EN 60439 (not modified)
IEC 60446:2007	NOTE	Harmonized as EN 60446:2007 (not modified)
IEC 60529:1989	NOTE	Harmonized as EN 60529:1991 (not modified)
IEC 60755:2008	NOTE	Harmonized as EN 60755:— ¹
IEC 60898	NOTE	Harmonized as EN IEC 60898 (not modified)
IEC 61000-6-1	NOTE	Harmonized as EN IEC 61000-6-1
IEC 61000-6-4	NOTE	Harmonized as EN 61000-6-4
IEC 61310-1:2007	NOTE	Harmonized as EN 61310-1:2008 (not modified)
IEC 61310-2:2007	NOTE	Harmonized as EN 61310-2:2008 (not modified)
IEC 61400-13	NOTE	Harmonized as EN 61400-13
IEC 61400-21	NOTE	Harmonized as EN 61400-21
IEC 61400-24	NOTE	Harmonized as EN 61400-24

¹ Under preparation. Stage at the time of publication: prEN 60755:2016.

Foreword to amendment A11

This document (EN IEC 61400-3-1:2019/A11:2020) has been prepared by CLC/TC 88 "Wind turbines".

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60721	series	Classification of environmental conditions	EN IEC 60721	series
IEC 61400-1	2019	Wind energy generation systems - Part 1: Design requirements	EN IEC 61400-1	2019
ISO 2394	1998	General principles on reliability for structures	-	-
ISO 2533	1975	Standard Atmosphere	-	-
ISO 19900	2002	Petroleum and natural gas industries - General requirements for offshore structures	-	-
ISO 19901-1	2015	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 1: Metocean design and operating conditions	EN ISO 19901-1	2015
ISO 19901-4	2003	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 4: Geotechnical and foundation design considerations	-	-
ISO 19902	2007	Petroleum and natural gas industries - Fixed steel offshore structures	EN ISO 19902	2007
ISO 19903	2006	Petroleum and natural gas industries - Fixed concrete offshore structures	EN ISO 19903	2006

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