SLOVENSKI STANDARD
SIST EN IEC 61400-3-2:2025

01-maj-2025

Sistemi za proizvodnjo energije na veter - 3-2. del: Zahteve za načrtovanje plavajočih vetrnih turbin na morju (IEC 61400-3-2:2025)

Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (IEC 61400-3-2:2025)

Windenergieanlagen - Teil 3-2: Auslegungsanforderungen für schwimmende Windenergieanlagen auf offener See (IEC 61400-3-2:2025)

Systèmes de génération d'énergie éolienne - Partie 3-2: Exigences de conception des éoliennes en mer flottantes (IEC 61400-3-2:2025)

Ta slovenski standard je istoveten z: **EN IEC 61400-3-2:2025**

ICS:

27.180	Vetrne elektrarne	Wind turbine energy systems

SIST EN IEC 61400-3-2:2025 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (IEC 61400-3-2:2025)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 88/1028/FDIS, future edition 1 of IEC 61400-3-2, prepared by TC 88 "Wind energy generation systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61400-3-2:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-02-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-02-29

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document is read in conjunction with EN IEC 61400-1.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 61400-3-2:2025 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 standard indicated:

IEC 61400-24	NOTE	Approved as EN IEC 61400-24
ISO 12944-2	NOTE	Approved as EN ISO 12944-2
ISO 12944-9	NOTE	Approved as EN ISO 12944-9
ISO 13628-5	NOTE	Approved as EN ISO 13628-5
ISO 19901-2	NOTE	Approved as EN ISO 19901-2
ISO 19901-8	NOTE	Approved as EN ISO 19901-8
ISO 19901-10	NOTE	Approved as EN ISO 19901-10
IEC 60721-3-3	NOTE	Approved as EN IEC 60721-3-3
ISO 12944-2	NOTE	Approved as EN ISO 12944-2
ISO 12944-9	NOTE	Approved as EN ISO 12944-9
ISO 19902	NOTE	Approved as EN ISO 19902

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.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60721	series	Classification of environmental	EN 60721	series
IEC 61400-1	2019	Wind energy generation systems - Part 1: Design requirements	EN IEC 61400-1	2019
IEC 61400-3-1	-	Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines	EN IEC 61400-3-1	-
IEC 61400-13	-	Wind turbines - Part 13: Measurement of mechanical loads	EN 61400-13	-
IEC 61400-15-1[1]	-	Wind energy generation systems - Part 15-1: Site suitability input conditions for wind power plants	EN IEC 61400-15-1[2]	-
IEC 61400-24	-	Wind energy generation systems - Part 24: Lightning protection	EN IEC 61400-24	-
ISO 2394	-	General principles on reliability for structures	-	-
ISO 2533	-	Standard Atmosphere	-	-
ISO 18692-1	-	Fibre ropes for offshore stationkeeping - Part 1: General specification	-	-
ISO 18692-2	-	Fibre ropes for offshore stationkeeping - Part 2: Polyester	-	-
ISO 18692-3	-	Fibre ropes for offshore stationkeeping - Part 3: High modulus polyethylene (HMPE)	-	-
ISO 19900	-	Petroleum and natural gas industries - General requirements for offshore structures	EN ISO 19900	-

[1] Under preparation. Stage at the time of publication: IEC/AFDIS 61400-15-1:2023.

[2] Under preparation. Stage at the time of publication: FprEN IEC 61400-15-1:2024.

Publication	Year	Title	EN/HD	Year
ISO 19901-1	-	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 1: Metocean design and operating considerations	EN ISO 19901-1	-
ISO 19901-4	-	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 4: Geotechnical and foundation design considerations	EN ISO 19901-4	-
ISO 19901-6	-	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 6: Marine operations	EN ISO 19901-6	-
ISO 19901-7	-	Petroleum and natural gas industries - Specific requirements for offshore structures - Part 7: Stationkeeping systems for floating offshore structures and mobile offshore units	EN ISO 19901-7	-
ISO 19902	-	Petroleum and natural gas industries - Fixed steel offshore structures	EN ISO 19902	-
ISO 19903	-	Petroleum and natural gas industries - Concrete offshore structures	EN ISO 19903	-
ISO 19904-1	-	Petroleum and natural gas industries - Floating offshore structures - Part 1: Ship-shaped, semi-submersible, spar and shallow-draught cylindrical structures	EN ISO 19904-1	-
ISO 19906	-	Petroleum and natural gas industries - Arctic offshore structures	EN ISO 19906	-
ISO 29400	-	Ships and marine technology - Offshore wind energy - Port and marine operations	-	-
IEC/TS 61400-30	2023	Wind energy generation systems - Part 30: Safety of wind turbine generators - General principles for design	-	-
API RP 2T	-	Planning, Designing, and Constructing Tension Leg Platforms	-	-
IMO	-	International Code on Intact Stability	-	-
IMO	-	MODU CODE	-	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

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Part 3-2: Design requirements for floating offshore wind turbines

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WIND ENERGY GENERATION SYSTEMS –

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FOREWORD

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IEC 61400-3-2 has been prepared by IEC technical committee 88: Wind energy generation systems. It is an International Standard.

This first edition cancels and replaces IEC TS 61400-3-2, published in 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC TS 61400-3-2:

a) The relevant contents of IEC 61400-3-1 have been migrated into IEC 61400-3-2, making IEC 61400-3-2 a self-standing document that does not have to be read directly in conjunction with IEC 61400-3-1.