

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-ZE-12007-01-02 according to DIN EN ISO/IEC 17065:2013

**Valid from: 03.07.2020**

Date of issue: 03.07.2020

Holder of certificate:

**TÜV NORD CERT GmbH**

**Langemarckstraße 20, 45141 Essen**

Certifications of products, processes and services in the fields:

**Type and project certification of onshore and offshore wind turbines and their components, condition monitoring systems and small and micro wind turbines, marking of off-shore wind turbines**

**Without previous information and agreement of the DAkKS - the certification body is allowed to use within the accreditation fields marked with \* different revisions of the herewith specified Certification Program / Requirements Document. The certification body has at its disposal an updated list of all documents in the accreditation field.**

**1. Type and project certification of onshore and offshore wind turbines and their components**

P20-VA-002, Rev. 18  
2020-02

Type Certification of Wind Turbines and Components

P20-001, Rev. 1  
2013-10

TÜV NORD Standard for the certification  
of wind turbines

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.*

<https://www.dakks.de/en/content/accredited-bodies-dakks>

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P20-VA-004, Rev. 5 2020-01	Project certification (here: wind plants)
P20-VA-006, Rev. 0 2017-08	Other Certifications Wind Energy
IEC 61400-22 ed. 1.0 2010-05	Wind turbines - Part 22: Conformity testing and certification of wind turbines ( <i>Standard withdrawn</i> ) *
IEC WT 01 2001-04	IEC-system for the conformity testing and certification of wind ( <i>Standard withdrawn</i> )
IECRE OD-501 2018-05	Type and Component Certification Scheme *
IECRE OD-502 2018-10	Project Certification Scheme *
Germanischer Lloyd (GL) 2010	Richtlinie für die Zertifizierung von Windenergieanlagen Guideline for the Certification of Wind Turbines *
Germanischer Lloyd (GL) 2003 with supplement 2004	Richtlinie für die Zertifizierung von Windenergieanlagen Guideline for the Certification of Wind Turbines *
Germanischer Lloyd (GL) 2005 & 2012	Richtlinie für die Zertifizierung von Windenergieanlagen Guideline for the Certification of Offshore Wind Turbines *
DNVGL-SE-0263 2016-03	Certification of Lifetime Extension *
DNVGL-SE-0441 2016-06	Type and Component Certification of Wind Turbines *
DNVGL-SE-0190 2015-12	Project Certification of Wind Power Plants *

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Danish Klima-, Energi- og Bygningministeriet 2013-01	Bekendtgørelse number 73, "Bekendtgørelse om teknisk" Instruction for the certification program for the design, manufacture, maintenance, service and installation of wind turbines (Executive Order on a Technical Certification Scheme for Wind Turbines) *
IS/IEC 61400-22 2018-06	Wind turbines – Part 22: Conformity testing and certification
C-WET 2003	Preliminary type certification program 2000 (TAPS-2000, amended 2003) *
DIBt 2012-10	German Institute for Structural Engineering (DIBt): „Guideline for Wind Turbine“ *
German Federal Maritime and Hydrographic Agency (BSH) 2015-07	Standard: Constructional realization of offshore wind turbines, BSH 7005, including amendments *
WSV-Rahmenvorgaben, Version 3.0 2019-07	WSV-Rahmenvorgaben, Kennzeichnung Offshore-Anlagen *

**Related Standards:**

IEC 61400-1 1999-02 Ed. 2.0	Wind Turbine Generator Systems -Part 1: Safety Requirements* <i>(Standard withdrawn)</i>
IEC 61400-1 2005-08 Ed 3.0	Wind Turbines- Part 1: Safety Requirements * <i>(Standard withdrawn)</i>
IEC 61400-1-am1 2010-10 Ed. 3	Amendment 1 - Wind turbines - Part 1: Design requirements * <i>(Standard withdrawn)</i>
IEC 61400-1 2019-02 Ed 4.0	Wind Turbines- Part 1: Design Requirements *

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IEC 61400-3 2009-02 Ed. 1.0	Wind Turbine Generator Systems - Part 3: Design Requirements for Offshore Wind Turbines * <i>(Standard withdrawn)</i>
IEC 61400-3-1 2019-04	Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines *
IEC TS 61400-3-2 2019-04	Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines *
IEC 61400-4 2012-12 Ed. 1.0	Wind turbines - Part 4: Design requirements for wind turbine gearboxes *
IEC 61400-5 2020-03 (FDIS)	Wind energy generation systems - Part 5: Wind turbine rotor blades *
IEC 61400-6 2020-04	Wind energy generation systems - Part 6: Tower and foundation design requirements *
IEC 61400-23 2014-04 Ed. 1	Wind Turbine Generator Systems - Part 23: Full-scale structural testing of rotor blades *
IEC 61400-24 2010-06 Ed. 1.0	Wind Turbine Generator Systems - Part 24: Lightning Protection *
IECRE OD-501-1 2017-09	Conformity assessment and certification of Blade by RECB *
IECRE OD-501-2 2017-09	Conformity assessment and certification of Gearbox by RECB *
IECRE OD-501-3 2017-09	Conformity assessment and certification of Tower by RECB *
IECRE OD-501-4 2017-04	Conformity Assessment and Certification of Loads by RECB's *
IECRE OD-501-5 2017-09	Conformity assessment and certification of Control and Protection System by RECB *
IECRE OD-501-7 2019-03	Conformity assessment and certification of Main Electrical Components by RECB *

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UL 6141 2016-05	Wind turbines permitting entry of personnel *
Germanischer Lloyd (GL) 2013-09	Technical Note for the Certification of Wind Turbines for tropical Cyclones *
DNVGL-ST-0376 2015-12	Rotor blades for wind turbines *
DNVGL-ST-0438 2016-04	Control and protection systems for wind turbines *
DNVGL-ST-0076 2015-05	Design of electrical installations for wind turbines *
DNVGL-ST-0126 2016-04	Support structures for wind turbines *
DNVGL-ST-0262 2016-03	Life Time Extension of Wind Turbines *
DNVGL-ST-0054 2017-06	Transport and installation of wind power plants *
Det Norske Veritas (DNV) 2013	OS-J101: Design of Offshore Wind Turbine Structures (Entwicklung von Offshore - Windenergieanlagen) *
Det Norske Veritas (DNV) 2010	OS-J102: Design and manufacture of wind turbine blades, offshore and onshore wind turbines *
Det Norske Veritas (DNV) 2009	OS-J201: Offshore substations for wind farms *
DNVGL-ST-0145 2016-04	Offshore Substations *
DNVGL-ST-0437 2016-11	Loads and Site Conditions for Wind Turbines *
DNVGL-ST-0361 2016-09	Machinery for Wind Turbines *
DNVGL-ST-0359 2016-06	Subsea Power Cables for Wind Power Plants *

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DNVGL-SE-0436 2016-03	Shop Approval in Renewable Energy *
German Federal Maritime and Hydrographic Agency (BSH) 2008-02	Standard - Baugrunderkundung für Offshore-Windenergieparks, BSH 7004 *
MVVTB 2019-01	Deutsches Institut für Bautechnik (DIBt): „Muster-Verwaltungsvorschrift Technische Baubestimmungen“ * (nur Bereich Windenergie)
DIN EN 50308 2005-03	Wind turbines - Protective measures - Requirements for design, operation and maintenance *
DIN EN 50308 Correction 1 2008-12	Wind turbines - Protective measures - Requirements for design, operation and maintenance *
DIN 18088-1 2019-01	Structures for wind turbines and platforms - Part 1: Basic principles and actions *
DIN 18088-2 2019-01	Structures for wind turbines and platforms - Part 2: Concrete structures *
DIN 18088-3 2019-01	Structures for wind turbines and platforms - Part 3: Steel structures *
DIN 18088-4 2019-01	Structures for wind turbines and platforms - Part 4: Soil and foundation elements *
GL Technical Note 067 Ed. 2013	Certification of Wind Turbines for Extreme Temperatures (here: Cold Climate), Scope of Assessment, Revision 5 *
DNVGL-RP-0175 2017-12	Icing of Wind Turbines *
DNVGL-RP-0363 2016-04	Extreme Temperature Conditions for Wind Turbines *

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**2. Condition Monitoring Systems**

P20-AA-13, Rev. 2 2017-08	Certification of condition monitoring Systems for wind turbines
Germanischer Lloyd (GL) 2007 & 2013	Guideline for the certification of condition monitoring systems for wind turbines *
DNVGL-SE-0439 2016-06	Certification of Condition Monitoring *

**3. Small and micro wind turbines**

P20-AA-14, Rev. 1 2011-02	Certification of Small Wind Turbines Zertifizierung kleiner Windenergieanlagen
IEC 61400-2 2006-03 Ed. 2.0	Wind Turbine Generator Systems -Part 2: Safety of Small Wind Turbines
IEC 61400-2 2013-12 Ed. 3.0	Wind Turbine Generator Systems -Part 2: Safety of Small Wind Turbines
MCS 006, Issue 1.5 2009-07	Product Certification Scheme Requirements: Micro and Small Wind Turbines, DECC (Department of Energy and Climate Change), UK 2009 (Produktzertifizierungsanforderungen: Klein- und Mikro- Windenergieanlagen, DECC, UK 2009)
MCS 010, Issue 1.5 2009-12	Product Certification Scheme Requirements: Factory Production Control Requirements, DECC UK 2008 (Produktzertifizierungsanforderungen: Anforderungen an Kontrollen von Fertigungsstätten, DECC, UK 2008)

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MCS 011, Issue 1.4  
2009-01

Product Certification Scheme Requirements:  
Acceptance Criteria for Testing Required for  
Product Certification, DECC UK 2008  
(Produktzertifizierungsanforderungen:  
Annahmekriterien für zur Produktzertifizierung  
erforderliche Prüfungen, DECC, UK 2008)

BWEA Standard  
2008-02

Small Wind Turbine Performance and Safety  
Standard (Leistung und Sicherheit kleiner  
Windenergieanlagen, Standard)

AWEA Standard 9.1  
2009

Small Wind Turbine Performance and Safety  
Standard (Leistung und Sicherheit kleiner  
Windenergieanlagen, Standard)

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**Abbreviations used:**

AWEA	American Wind Energy Association
BWEA	British Wind Energy Association
C-WET	Centre for Wind-Energy Technology, India
DECC	Department of Energy and Climate Change
DIN	Deutsches Institut für Normung e.V. (German Standards Institute)
IEC	International Electrotechnical Commission
IECRE	IEC Renewable Energy System
IS	Indian Standard
MCS	Microgeneration Certification Scheme
OD	Operational Document
P20...	Certification procedures of the TÜV NORD CERT GmbH
UL	Underwriters Laboratories
WSV	Wasserstraßen- und Schifffahrtsverwaltung des Bundes