

## Deutsche Akkreditierungsstelle GmbH

### Annex to the Accreditation Certificate D-ZE-11052-02-02 according to DIN EN ISO/IEC 17065:2013

**Valid from:** 15.12.2020

**Date of issue:** 15.12.2020

Holder of certificate:

**TÜV Rheinland Industrie Service GmbH**  
**Certification Body Energy Systems, Renewables, Grid & Automation**  
**Am Grauen Stein, 51105 Köln**

at the location:

**Julius-Vosseler-Str. 42, 22527 Hamburg**

Certifications of products, processes and services in the fields:

**Type certification of on- and offshore wind turbines and their components and project certification  
Framework specifications of the WSV for marking offshore installations**

*The management system requirements of DIN EN ISO/IEC 17065 are written in the language relevant to the operations of bodies certifying products. Certification bodies that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.*

*The certificate together with the annex reflects the status as indicated by the date of issue.  
The current status of any given scope of accreditation may be found respectively in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH <https://www.dakks.de/en/content/accredited-bodies-dakks>.*

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**1. Type certification of on- and offshore wind turbines and their components and project certification at Cologne location**

IEC 61400-22 2010-05	Wind turbines – Part 22: Conformity testing and certification <i>Standard withdrawn</i>
QMA 3.120.01 2020-09	Wind turbines – Conformity testing and certification according to IEC 61400-22 / IECRE OD 501
QMA 3.120.02 2015-06	Wind turbines – Conformity testing and certification according to GL 2010
QMA 3.120.06 2020-08	Project certification of Wind Farm
GL-IV-1 2010-07 and former versions	Guideline for the certification of wind turbines
GL-IV-2 2005-06	Guideline for the certification of offshore wind turbines

**in conjunction with the following set of rules:**

IEC 61400-1 Ed.3 2005-08	Wind turbines – Part 1: Design requirements
IEC 61400-2 Ed.3 2013-12	Wind turbines – Part 2: Design requirements for small wind turbines
IEC 61400-3 Ed.1 2009-02	Wind turbines – Part 3: Design requirements for offshore wind turbines
IEC 61400-4 Ed.1 2012-12	Wind turbines – Part 4: Design requirements for wind turbine gearboxes
IEC 61400-24 Ed.2 2019-07	Wind turbines generator systems - Part 24: Lightning protection

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IEC 61400-25-1 Ed.2 2017-07	Wind energy generation systems - Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models
IEC 61400-25-2 Ed.2 2015-06	Wind energy generation systems - Part 25-2: Communications for monitoring and control of wind power plants - Information models
IEC 61400-25-3 Ed.2 2015-06	Wind energy generation systems - Part 25-3: Communications for monitoring and control of wind power plants - Information exchange models
IEC 61400-25-4 Ed.2 2016-11	Wind energy generation systems - Part 25-4: Communications for monitoring and control of wind power plants - Mapping to communication profile
IEC 61400-25-5 Ed.2 2017-09	Wind energy generation systems - Part 25-5: Communications for monitoring and control of wind power plants - Compliance testing
IEC 61400-25-6 Ed.2 2016-12	Wind energy generation systems - Part 25-6: Communications for monitoring and control of wind power plants – Logical node classes and data classes for condition monitoring
VdS 3523 2008-07	Wind turbines (WEA) – Fire Safety Guide
GL Operating 24/7 Revision: 2 2009-01	GL Wind Technical Note - Certification of Fire Protection Systems for Wind Turbines - Certification Procedures
DIN EN 50308 2014-03	Wind turbines. Protective measures. Requirements for design, operation and maintenance
DIBt Reihe B, Heft 8 2012-12	Richtlinie für Windenergieanlagen - Einwirken und Standardsicherheitsnachweise für Turm und Gründung
BSH-Standard 7004 Fortschreibung 2 2014-02	Baugrunderkundung für Offshore-Windenergieanlagen
BSH-Standard 7005 Fortschreibung 1 2015-07	Konstruktive Ausführung von Offshore-Windenergieanlagen

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DNVGL-ST-0054 2017-06	Transport and installation of wind power plants
DNVGL-ST-0076 2015-05	Design of electrical installations for wind turbines
DNVGL-SE-0080 2015-12	Noble Denton marine services – marine warranty survey
DNVGL-SE-0190 2015-12	Project certification of wind power plants
DNVGL-ST-0361 2016-09	Machinery for wind turbines
DNVGL-ST-0376 2015-12	Rotor blades for wind turbines
DNVGL-ST-0437 2016-11	Loads and site conditions for wind turbines
DNVGL-ST-0438 2016-04	Control and protection systems for wind turbines
DNVGL-SE-0441 2016-06	Type and component certification of wind turbines
IECRE OD-501 ed. 2.0 2018-05	Type and Component Certification Scheme
IECRE OD-501-1 ed. 1.0 2017-09	Conformity assessment and certification of Blade by RECB
IECRE OD-501-2 ed. 1.0 2017-09	Conformity assessment and certification of wind turbine gearboxes by RECB
IECRE OD-501-3 ed. 1.0 2017-09	Conformity assessment and certification of Tower by RECB
IECRE OD-501-4 ed. 1.0 2017-04	Conformity assessment and certification of Loads by RECB

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IECRE OD-501-5 ed. 1.0 2017-09	Conformity assessment and certification of Control and Protection System by RECB
IECRE OD-501-7 ed. 1.0 2019-03	Conformity assessment and certification of Main Electrical Components by RECB
IECRE OD-502 ed. 1.0 2018-10	Project Certification Scheme
IS / IEC 61400-22 2010-05	Conformity Testing and Certification (India)
Executive Order No. 73 from Danish Ministry for Climate, Energy and Buildings 2013-01	Executive Order on a technical certification scheme for wind turbines

**2. Framework specifications of the WSV for marking offshore installations at the location  
Cologne and Hamburg**

QMA 3.120.04 2017-10	Prüfung der Kennzeichnung von Offshore-Anlagen
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**in conjunction with the following set of rules:**

Rahmenvorgaben der WSV, Version 2.1 2016-03	Generaldirektion Wasserstraßen und Schifffahrt – Rahmenvorgaben zur Gewährleistung der fachgerechten Umsetzung verkehrstechnischer Auflagen im Umfeld von Offshore-Anlagen, hier: Kennzeichnung, Version 2.1, Stand 01.03.2016
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**Abbreviations used:**

BSH	Bundesamt für Seeschifffahrt und Hydrographie (Bundesrepublik Deutschland)
DIBt	Deutsches Institut für Bautechnik
DIN	Deutsches Institut für Normung e.V.
EN	Europäische Norm
FDIS	Final Draft International Standard
IEC	International Electrotechnical Commission
IMS	Integrierte Management Systeme
ISO	International Organization for Standardization
LBO	Landesbauordnung
MBO	Musterbauordnung
TAPS	Type Approval - Provisional Scheme, Ministry of New and Renewable Energy, India
TS	Technical Specifications