

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-11140-21-02 according to DIN EN ISO/IEC 17025:2018

Valid from: 05.06.2024

Date of issue: 25.06.2024

This annex is a part of the accreditation certificate D-PL-11140-21-00.

Holder of partial accreditation certificate:

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung
eingetragener Verein
Hansastraße 27c, 80686 München**

at its location:

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung
eingetragener Verein
Fraunhofer-Institut für Windenergiesysteme (IWES)
Am Seedeich 45, 27572 Bremerhaven**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Annex to the Partial Accreditation Certificate D-PL-11140-21-02

Tests in the fields:

- 1 Power performance measurements of wind energy generation systems**
- 2 Measurement of mechanical loads on Wind energy generation systems**
- 3 Experimental structure testing on rotor blades of wind energy generation systems**

Within the scope of accreditation, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing procedures within the flexible scope of accreditation.

1 Power performance measurements of wind energy generation systems

Standard / Revision date	Title of standard (if applicable indicate deviations / modifications of standards)
IEC 61400-12 2022	Wind energy generation systems – Part 12: Power performance measurements of electricity producing wind turbines – Overview
IEC 61400-12-1 2022	Wind energy generation systems – Part 12-1: Power performance measurements of electricity producing wind turbines
IEC 61400-12-3 2022	Wind energy generation systems – Part 12-3: Power Performance – Measurement based site calibration
IEC 61400-12-5 2022	Wind energy generation systems – Part 12-5: Power performance – Assessment of obstacles and terrain
IEC 61400-50-1 2022	Wind energy generation systems – Part 50-1: Wind measurements Application of meteorological mast, nacelle and spinner mounted instruments <i>(restriction: Gondola and instruments mounted on rotor hub are excluded)</i>
IEC 61400-50-2 2022	Wind energy generation systems – Part 50-2: Wind Measurement – Application of ground mounted remote sensing technology

2 Measurement of mechanical loads on Wind energy generation systems

Standard / Revision date	Title of standard (if applicable indicate deviations / modifications of standards)
IEC 61400-13 2015 DIN EN 61400-13 2017-06	Wind turbines – Part 13: Measurement of mechanical loads
IEC 61400-12-5 2022	Wind energy generation systems – Part 12-5: Power performance – Assessment of obstacles and terrain
IEC 61400-50-1 2022	Wind energy generation systems – Part 50-1: Wind measurements – Application of meteorological mast, nacelle and spinner mounted instruments <i>(restriction: Gondola and instruments mounted on rotor hub are excluded)</i>

3 Experimental structure testing on rotor blades of wind energy generation systems

Standard / Revision date	Title of standard (if applicable indicate deviations / modifications of standards)
IEC 61400-23 2014 DIN EN 61400-23 2014-12	Wind turbines – Part 23: Full-scale scale structural testing of rotor blades

abbreviations used:

DIN	German Institute for Standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization