

Annex to the Accreditation Certificate DAP-ZE-2016.80 according to DIN EN 45011:1998

Period of validity: 2006-06-08 to 2009-07-12

Holder of certificate:

TÜV NORD CERT GmbH
Certification Body for Products
Department for Wind Turbines

Langemarckstraße 20
45141 Essen

with the site

Große Bahnstraße 31
22525 Hamburg

Certification of:

Wind Turbines and Components

Wind Turbines and Components

P 20-VA-01
2006-03

„Zertifizierung von Windenergieanlagen“, operation procedure

in connection with:

DIBt
2004-03

Deutsches Institut für Bautechnik (DIBt)
„Richtlinie für Windenergieanlagen“

DIBt
1993-06,
2. Auflage 1995

Deutsches Institut für Bautechnik (DIBt):
„Richtlinie für Windkraftanlagen“

DIBt
2005-09

Deutsches Institut für Bautechnik (DIBt):
„Muster-Liste der Technischen Baubestimmungen“

CSA S473-04

Steel Structures

CSA A23.1-04/A23.2-04
10th ed.

Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete

CSA A23.3-04
5th ed.

Design of Concrete Structures

IEC WT 01
2001-04

IEC System for Conformity Testing and Certification of Wind Turbines - Rules and Procedures

Annex to the Accreditation Certificate DAP-ZE-2016.80

in connection with:

<i>IEC 61400-1 1999-02</i>	<i>Wind Turbine Generator Systems - Part 1: Safety Requirements (DIN EN 61400-1, 2004-08)</i>
<i>IEC 61400-1 1999, modified 2004-08</i>	<i>Wind Turbine Generator Systems – Part 1: Safety Requirements</i>
<i>IEC 61400-1 2003-12</i>	<i>Wind Turbines – Part 1: Design require- ments, 3rd Ed., December 2003</i>
<i>IEC 61400-2 1996-04</i>	<i>Wind Turbine Generator Systems - Part 2: Safety of Small Wind Turbines (DIN EN 61400-2),</i>
<i>IEC 61400-11 2002-12</i>	<i>Wind Turbine Generator Systems - Part 11: Acoustic Noise Measurement Tech- niques (DIN EN 61400-11)</i>
<i>IEC 61400-12 1998-02</i>	<i>Wind Turbine Generator Systems - Part 12: Wind turbine power performance test- ing (DIN EN 61400-12)</i>
<i>IEC 61400-13 2001-06</i>	<i>Wind Turbine Generator Systems - Part 13: Measurement of mechanical loads (DIN EN 61400-13)</i>
<i>IEC 61400-21 2002-11</i>	<i>Wind Turbine Generator Systems - Part 21: Measurement and assessment of power quality characteristics</i>
<i>IEC TS 61400-23 2001-04</i>	<i>Wind Turbine Generator Systems - Part 23: Full scale Structural Testing of Rotor Blades</i>
<i>IEC TS 61400-24 2002-07</i>	<i>Wind Turbine Generator Systems - Part 24: Lightning Protection</i>
NVN 11400-0 1999-04	Wind Turbines - Part 0: Criteria for Type-Certification, Technical Criteria
Germanischer Lloyd (GL) 1999, 2003 addendum 2004-06	Richtlinie für die Zertifizierung von Windenergieanlagen
Germanischer Lloyd (GL) 1999	Regulations for the Certification of Offshore Wind Energy Sys- tems
Germanischer Lloyd (GL) 2005	Guideline for the Certification of Offshore Wind Turbines
Germanischer Lloyd (GL) 1999	Rules for Classification and Construction, vol. 3, Offshore Technology
Det Norske Veritas (DNV) 2004	Design of Offshore Wind Turbines Structures

Annex to the Accreditation Certificate DAP-ZE-2016.80

Danish Energy
Agency/Energistyrelsen
2005-01

Executive order on the Technical Certification Scheme for the
design, manufacture and installation of Wind Turbines

in connection with:

*Danish Energy Agency /
Energistyrelsen
2001-12* *Recommendations for Technical Approval
of Offshore Wind Turbines*

*Dansk Standard DS 472
1. Udgave 1992 plus
Addendum DS 472 Til 1:
1996* *Dansk Ingeniørforening: „Norm for Last og
Sikkerhed for Vindmøllekonstruktioner” /
“Code of Practice for Loads and Safety of
Wind Turbine Constructions”*

*Dansk Standard
DS 409E
1998* *Code of Practice for the safety of struc-
tures*

*Dansk Standard
DS412E
2001* *Code of Practice for the structural use of
steel*

Centre for Wind Energy
Technology (C-WET)
2000

Type Approval - Provisional Scheme-2000 (TAPS-2000)