

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-21472-02-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 05.03.2024

Date of issue: 05.03.2024

Holder of accreditation certificate:

Siemens Energy Global GmbH & Co. KG
Otto-Hahn-Ring 6, 81739 München

with the location

Siemens Energy Global GmbH & Co. KG
Acoustics Erlangen
Schuckertstraße 3, 91058 Erlangen

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 they conform to the general with the principles of DIN EN ISO 9001.

On-site: acoustic measurements, determination of noise emissions

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 methods within the flexible scope of accreditation.

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.

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Testing Field	Standard / In-House Method / Version	Title of Standard or In-House method	Test Range / Restrictions
noise emissions	DIN 45641:1990	Averaging of sound levels	
	DIN 45630-1:1971	Physical and subjective magnitudes of sound	
	DIN 45635-1:1984	Measurement of noise emitted by machines; airborne noise emission; enveloping surface method; basic method, divided into 3 grades of accuracy	
	DIN 45635-14:1980 (withdrawn)	Noise Measurement on Machines; Airborne Noise Measurement, Enveloping Surface Method, Air-cooled Heat Exchangers (Air Coolers)	
	DIN ISO 10494:2021	Turbines and turbine sets - Measurement of emitted airborne noise - Engineering/survey method (ISO 10494:2018)	
	DIN 45635-46:1985	Measurement of noise emitted by machines; airborne noise emission; enveloping surface method; cooling towers	
	DIN 45635-47:1985	Measurement of noise emitted by machines; airborne noise emission; enveloping surface method; chimneys	
	IEC 60076-10:2016	Power transformers - Part 10: Determination of sound levels	
	DIN EN ISO 3744:2011	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (ISO 3744:2010); German version EN ISO 3744:2010	
	DIN EN ISO 3746:2011	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane (ISO 3746:2010); German version EN ISO 3746:2010	
	ISO 10494:1993 (withdrawn)	Gas turbines and gas turbine sets; measurement of emitted airborne noise; engineering/survey method	
	ISO 10494:2018	Turbines and turbine sets — Measurement of emitted airborne noise — Engineering/survey method	
	DIN ISO 8297:2000 (withdrawn)	Acoustics - Determination of sound power levels of multisource industrial plants for evaluation of sound pressure levels in the environment - Engineering method (ISO 8297:1994)	

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	DIN ISO 8297:2023	Acoustics - Determination of sound power levels of multisource industrial plants for evaluation of sound pressure levels in the environment – Engineering method (ISO 8297:1994 + Amd.1:2021)	
	DIN 45680:1997	Measurement and assessment of low-frequency noise immissions in the neighbourhood	
	ISO 1996-1:2016	Acoustics - Description, measurement and assessment of environmental noise - Part 1: Basic quantities and assessment procedures	
	ISO 1996-2:2007 (withdrawn)	Acoustics - Description, measurement and assessment of environmental noise - Part 2: Determination of environmental noise levels	
	ISO 1996-2:2017	Acoustics - Description, measurement and assessment of environmental noise - Part 2: Determination of environmental noise levels	
	ISO 9613-1:1993	Acoustics - Attenuation of sound during propagation outdoors - Part 1: Calculation of the absorption of sound by the atmosphere	
	ISO 9613-2:1996	Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (ISO 9613-2:1996)	
	DIN EN ISO 9614-1: 2009	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 1: Measurement at discrete points (ISO 9614-1:1993); German version EN ISO 9614-1:2009	
	DIN EN ISO 9614-2: 1996	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 2: Measurement by scanning (ISO 9614-2:1996); German version EN ISO 9614-2:1996	
	DIN EN ISO 3382-2: 2008	Acoustics - Measurement of room acoustic parameters - Part 2: Reverberation time in ordinary rooms (ISO 3382-2:2008); German version EN ISO 3382-2:2008	

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Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation