

The material laboratory area is accredited in accordance with DIN EN ISO/IEC 17025 with flexible scope of accreditation as per Category I. This allows free selection of standardized or equivalent test methods within the defined test area in this laboratory area without prior approval from DAkkS.

The following table lists the accredited activities which are performed within the flexible scope as per Category I:

Test object	Test type	Test parameter	Test procedure	Verified since
Fiber-reinforced plastics and fiber composites	Tensile testing	Force Travel Strain	DIN EN ISO 527-4	2016
			DIN EN ISO 527-5	2016
			ASTM D3039 / D3039M	2016
			ASTM D3479 / D3479M	2016
			ISO 13003	2016
			DIN EN ISO 14129	2016
			ASTM D 7078	2016
	Compression testing	Force Travel Strain	ISO 14126	2016
			ASTM D 6641 09	2016
	Shear strength / flexural strength	Force Travel Strain	DIN EN ISO 14130	2016
	Thermal material testing	Temperature Weight	ISO 11357-2	2016
			DIN EN 2331	2016
			ISO 1172	2016

The rotor blade and field measurement laboratory areas are accredited in accordance with DIN EN ISO/IEC 17025 with the flexible scope of accreditation as per Category III. This allows the use of the testing methods listed on the certificate with different issue dates of the standards in these areas without prior approval from DAkkS.

The following table lists the accredited test methods which are performed within the flexible scope as per Category III:

Test procedure	Test standard	Verified since	Accredited since
Power performance measurements of wind energy generation systems	IEC 61400-12 Wind Turbines - Part 12: Power Performance Measurements of Electricity Producing Wind Turbines - overview	2024	2024
	IEC 61400-12-1 Wind Turbines - Part 12-1: Power Performance Measurements of Electricity Producing Wind Turbines	2023	2024
	IEC 61400-12-3 Wind Turbines - Part 12-3: Power Performance Measurement based site calibration	2023	2024
	IEC 61400-12-5 Wind Turbines - Part 12-5: Power Performance – Assessment of obstacles and terrain	2023	2024
	IEC 61400-50-1 Wind energy generation systems – Part 50-1 Wind measurements Application of meteorological mast, nacelle and spinner mounted instruments (restriction: Gondola and instruments mounted on rotor hub are excluded)	2024	2024
	IEC 61400-50-2 Wind energy generation systems- Part 50-2: Wind Measurement – Application of ground mounted remote sensing technology	2024	2024

Measurement of mechanical loads on wind turbines	IEC 61400-13 Wind turbines – Part 13: Measurement of mechanical loads	2015	2016
	IEC 61400-12-5 Wind energy generation systems – Part 12-5: Power performance – Assessment of obstacles and terrain	2023	2024
	IEC 61400-50-1 Wind energy generation systems – Part 50-1: Wind measurements – Application of meteorological mast, nacelle and spinner mounted instruments (restriction: Gondola and instruments mounted on rotor hub are excluded)	2024	2024
Experimental structure testing on rotor blades of wind energy generation systems	IEC 61400-23 DIN EN 61400-23 Technical Standard: Wind Turbine Generator Systems - Part 23: Full-Scale Structural Testing of Rotor Blades	2009	2017