



Configuration Description (CD) Form

ICC-SWCC Wind Turbine Certification Programs

Instructions: This form is to accompany the *Notice of Intent to Submit an Application Form*. One (1) form is required per turbine configuration seeking ICC-SWCC Certification.

Date	
Manufacturer	
Wind Turbine Model	
General Configuration	
Rotation Axis (Horizontal/Vertical)	
Nominal Rated Power (W or kW)	
IEC SWT Class (I, II, III, IV or S)	
Rotor	
Estimated Max Rotational Speed (rpm)	
Describe Power Regulation system (e.g. stall, blade pitching)	
Describe Overspeed Control system (e.g. furling)	
For HAWTs:	
Orientation (upwind/downwind)	
Number of Blades	
Rotor Hub Type (flexible, rigid, teetered)	
Rotor Diameter (m)	
Swept area (m ²)	
For VAWTs:	
Rotor type (e.g. H-Darrieus)	
Number of Blades	
Rotor Diameter (m)	
Rotor Height (m)	
Swept area (m ²)	

Blades	
Source/manufacturer	
Material	
Length (m)	

Drive Train	
Gearbox Source/Manufacturer	
Gearbox Type	
Gearbox Ratio	
Generator Source/Manufacturer	
Generator Type	
Generator Speed	
Nominal Power, Voltage and Frequency of Generator Output	_____kW _____V _____AC/DC _____Hz
Braking System	
Describe braking system for normal shutdown, parking and service braking	
Describe braking system for emergency shutdown	
Yaw System	
Yaw Control Method (passive, active, damped)	
Wind Direction Sensor	
Yaw Bearing Type	
Tower to be used in testing	
Source/manufacturer	
Tower Type (guyed or self-supporting; lattice or monopole)	
Height (m)	
Control/Electrical System	
Make/Model of Controller	
Make/Model of Inverter/Converter	

Power Form of Electrical Output (usable power delivered to load)	
Nominal Voltage (AC/DC)	
Frequency (Hz)	
Number of Phases	
Weight	
Total Tower Top Weight (kg)	
Please add turbine photo(s)	
Please include a Single Line Wiring/Connection Diagram From Generator to Load	