



## 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.

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

<b>Blades</b>	
Source/manufacturer	
Material	
Length (m)	

<b>Drive Train</b>	
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
<b>Braking System</b>	
Describe braking system for normal shutdown, parking and service braking	
Describe braking system for emergency shutdown	
<b>Yaw System</b>	
Yaw Control Method (passive, active, damped)	
Wind Direction Sensor	
Yaw Bearing Type	
<b>Tower to be used in testing</b>	
Source/manufacturer	
Tower Type (guyed or self-supporting; lattice or monopole)	
Height (m)	
<b>Control/Electrical System</b>	
Make/Model of Controller	
Make/Model of Inverter/Converter	

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