



ICC-SWCC
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APPLICATION FOR PRELIMINARY REVIEW

ICC-SWCC Distributed Wind Turbine Certification Programs

Part I: Notice of Intent to Submit an Application for Certification

The SWCC Notice of Intent form is submitted by prospective applicants to the ICC-SWCC small and medium wind turbine programs to formally request a Preliminary Review. Preliminary Reviews are conducted in order to confirm the eligibility and establish the requirements, submittals and terms of SWCC certification available for the specified turbine. Upon successful completion, a draft Certification Agreement form is drafted outlining the terms of certification for the turbine. The applicant is then invited to formally apply for certification as established in the draft Certification Agreement.

Please provide the following company and contact information.

COMPANY INFORMATION			
<i>Company Name*:</i>			
<i>Website*:</i>			
<i>Company Phone:</i>		<i>Co. E-mail:</i>	
<i>Company Address Line 1*:</i>			
<i>Address Line 2:</i>			
<i>City/State/Zip/Country*:</i>			
Contacts for Certification	Primary	Alternate	
<i>Contact Name & Title:</i>			
<i>Contact Phone:</i>			
<i>Contact E-mail:</i>			

**Information on ICC-SWCC public certificates and directories. Provide information exactly as it should appear.*

Please provide the following basic information on the turbine submitted for review. Additional details will be entered in Part II of this form.

BASIC TURBINE INFORMATION	
<i>Model Name/Number:</i>	
<i>Turbine Description:</i>	
<i>Turbine Options:</i> <i>Describe any optional configurations for the turbine to be included in the certification.</i>	

Select the type(s) of certification sought by selecting the standard(s) to be used for testing and evaluation. Note the scope available for each. For certification under IEC 61400, the sub-sections sought must also be selected. The minimum topics of evaluation for each are listed.

CERTIFICATION TYPE REQUESTED					
Selection	Standard				Scope
<input type="checkbox"/>	AWEA 9.1 – 2009, Small Wind Turbine Performance and Safety Standard* <ul style="list-style-type: none"> • Power Performance • Duration • Acoustics • Safety & Function <p><i>* Note: AWEA 9.1 has been superseded by ACP 101-1. SWCC will discontinue the use of the standard in the near future.</i></p>				Rotor Swept Area: ≤ 200 m ²
<input type="checkbox"/>	IEC 61400, Wind Turbines (select one or more sub-sections below) <ul style="list-style-type: none"> <input type="checkbox"/> IEC 61400-12-1, ed.1.0, Power Performance Measurements of Electricity Producing Turbines <input type="checkbox"/> IEC 61400-11, ed.3.0, Acoustic Noise Measurement Techniques <input type="checkbox"/> IEC 61400-1, ed.3.0, Design Requirements 				Peak Power: 150 kW – 300 kW
<input type="checkbox"/>	ACP 101-1 – 2021, The Small Wind Turbine Standard				Peak Power: ≤ 150 kW with sub-categorizations shown.
	0 - 1 kW Peak Power (Micro Wind) <ul style="list-style-type: none"> • Duration Testing • Power Performance • Safety & Function 	1 – 30 kW Peak Power <ul style="list-style-type: none"> • Structural Design • Duration Testing • Power Performance • Acoustics Testing • Safety & Function • Blade Testing 	30 – 65 kW Peak Power <ul style="list-style-type: none"> • Structural Design • Duration Testing • Power Performance • Acoustics Testing • Safety & Function • Blade Testing 	65 – 150 kW Peak Power <ul style="list-style-type: none"> • Structural Design • Duration Testing • Power Performance • Load Testing • Acoustics Testing • Safety & Function • Blade Testing 	

Please describe the qualified testing organization for the tests selected above:

TESTING ORGANIZATION INFORMATION	
Testing Organization Name:	
Address Line 1:	
Address Line 2:	
City/State/Zip/Country:	
Contacts for Testing	
	Primary
	Alternate
Contact Name & Title:	
Contact Phone:	
Contact E-mail:	

Select the option below that best describes the testing status:

Testing has already been completed by the testing organization above (provide a copy of the test report(s))

Testing has not yet been completed, but is pending with the organization above.

Testing has not yet been completed, but is underway with the organization above. (provide a copy of the test plan(s))

Other:

Select one option below to indicate the current certification status of the turbine:

Turbine has never been certified.

Turbine is currently certified. List certification body and number:

Turbine was previously certified. List certification body and number:

Authorization

Applicants for turbine certification with SWCC must demonstrate their eligibility. Please indicate the applicant type below:

Holder of all ownership rights in and to the turbine (i.e. manufacturer)

Authorized Designee of the turbine manufacturer *(include written proof of authorization with this application)*

Publication of Application Status

The Applicant may request that ICC-SWCC publicly list the status of the ICC-SWCC Certification Application on the ICC-SWCC website (www.smallwindcertification.org), pursuant to the ICC-SWCC Certification Policy. Select one of the two options below:

Yes, I authorize ICC-SWCC to publicly list the Applicant's name, SWT/MWT model and Application Status on the ICC-SWCC website.

No, I would like omit information on application from the ICC-SWCC website.

Signature

By signing below, the authorized representative of the applicant confirms and agrees that all information contained in this Notice of Intent is true and accurate, and that an ICC-SWCC Preliminary Review is requested for the turbine entered. Representative acknowledges that a fee will be charged for the conduct of the Preliminary Review and that the result of that review does not constitute certification of the turbine.

Applicant acknowledges that while ICC-SWCC makes every effort to maintain current and accurate directory information on the ICC-SWCC website, ICC-SWCC does not warrant or guarantee the accuracy, timeliness, or fitness of the information contained therein for any purpose.

ICC-SWCC wind turbine certification is subject to the policies and procedures established in the [ICC-SWCC Rules for Wind Turbine Product Listing Reports](#).

Authorized Signature

Date

Part II: Configuration Description

The Configuration Description form is used to collect basic wind turbine information for use in ICC-SWCC Preliminary Review. Separate forms should be completed for each turbine model submitted for review.

GENERAL SPECIFICATIONS

Rotation Axis (Horizontal/Vertical):
Nominal Rated Power (W or kW):
IEC SWT Class (I, II, III, IV or S):
Total Tower Top Weight (kg):
Electrical Output - Nominal Voltage: *(specify AC or DC voltage)*
Electrical Output - Frequency (Hz):
Electrical Output - Number of Phases:

COMPONENT SPECIFICATIONS

Rotor

Rotor Diameter (m):
Swept Area (m²):
Number of Blades:
Estimated Max Rotational Speed (rpm):
Describe Power Regulation System:
(e.g. stall, blade pitching)
Describe Overspeed Control System:
(e.g. furling)
Ducted? (Yes/No):

For HAWTs:

Orientation (upwind/downwind)
Rotor Hub Type (flexible, rigid, teetered):

For VAWTs:

Rotor Type (e.g. H-Darrieus):

Blades

Source/Manufacturer:
Material:
Length (m):

Drive Train

Gearbox Source/Manufacturer:
Gearbox Type:
Gearbox Ratio:

Generator Source/Manufacturer:

Generator Type:

Generator Speed:

Generator Output Nominal Power, Voltage and
Frequency of (kW/V/AC or DC/Hz):

Braking Systems

Braking System - Normal Shutdown:

Braking System - Parking:

Braking System - Service Braking:

Braking System - Emergency Shutdown:

Yaw System

Yaw Control (e.g. passive, active, damped):

Wind Direction Sensor:

Yaw Bearing Type:

Tower to be Used for Testing

Source/Manufacturer:

Model Name/Number:

Tower Support (guyed, self-supporting):

Tower Type (lattice, monopole):

Height (m):

Foundation Description:

Control/Electrical System

Make/Model of Controller:

Make/Model of Inverter and/or Converter:

ADDITIONAL SUBMITTALS AND INFORMATION

Please submit the following additional submittals (attach additional sheets or documents).

- Turbine photos showing at least 3 general external views.
- Single line wiring/connection diagram from generator to load.

SUBMISSION INSTRUCTIONS

Please submit Part I and II of the the completed form and all required submittals by e-mail or mail. If documents to be submitted are in electronic form, but are too large for e-mail attachment, please contact us at src@ solar-rating.org or 888-422-7233, Ext 3273 for other file transfer options. Questions regarding this form or the ICC-SWCC Wind Turbine Certification Programs can also be addressed to the same e-mail address.

E-Mail (preferred):

src@ solar-rating.org

OR

Mail:

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