



**ICC-SWCC**  
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## APPLICATION FOR PRELIMINARY REVIEW

### ICC-SWCC 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.

#### APPLICANT

Please provide the following company and contact information.

<i>Applicant Organization 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> :			
<b>Contacts for Certification Applicant</b>	<b>Primary</b>	<b>Alternate</b>	
<i>Contact Name &amp; 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.*

#### TURBINE

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

<i>Model Name/Number:</i>	
<i>Brief Turbine Description:</i>	

## REQUESTED CERTIFICATION SERVICES

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

Program	Standard(s)				Scope
MWT	IEC 61400, Wind Turbines (select one or more of the standards below)				Peak Power: 150 kW – 300 kW
<input type="checkbox"/>	<input type="checkbox"/> <b>Power Performance</b>	<input type="checkbox"/> <b>Acoustics</b>	<input type="checkbox"/> <b>Design</b>		Applicant may select one or all standards for compliance assessment.
	<ul style="list-style-type: none"> <li>IEC 61400-12-1, ed.1.0, Power Performance Measurements of Electricity Producing Turbines</li> </ul>	<ul style="list-style-type: none"> <li>IEC 61400-11, ed.3.0, Acoustic Noise Measurement Techniques</li> </ul>	<ul style="list-style-type: none"> <li>IEC 61400-1, ed.3.0, Design Requirements</li> </ul>		
SWT	ACP 101-1 – 2021, The Small Wind Turbine Standard (select one applicable category based on expected peak power)				Peak Power: ≤ 150 kW
<input type="checkbox"/>	<input type="checkbox"/> <b>0 - 1 kW Peak Power (Micro)</b>	<input type="checkbox"/> <b>1 – 30 kW Peak Power</b>	<input type="checkbox"/> <b>30 – 65 kW Peak Power</b>	<input type="checkbox"/> <b>65 – 150 kW Peak Power</b>	Select the sub-category you propose to use for the product (check one).
	<ul style="list-style-type: none"> <li>Duration Testing</li> <li>Power Performance</li> <li>Safety &amp; Function</li> </ul>	<ul style="list-style-type: none"> <li>Structural Design</li> <li>Duration Testing</li> <li>Power Performance</li> <li>Acoustics Testing</li> <li>Safety &amp; Function</li> <li>Blade Testing</li> </ul>	<ul style="list-style-type: none"> <li>Structural Design</li> <li>Duration Testing</li> <li>Power Performance</li> <li>Acoustics Testing</li> <li>Safety &amp; Function</li> <li>Blade Testing</li> </ul>	<ul style="list-style-type: none"> <li>Structural Design</li> <li>Duration Testing</li> <li>Power Performance</li> <li>Load Testing</li> <li>Acoustics Testing</li> <li>Safety &amp; Function</li> <li>Blade Testing</li> </ul>	

## OTHER CERTIFICATIONS

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

- Turbine has never been certified by any other certification body, globally.
- Turbine is currently certified. List certification body and number: \_\_\_\_\_
- Turbine was previously certified. List certification body, number, dates of certification: \_\_\_\_\_

## TEST REPORTS

Select the option below that best describes the status of testing for the turbine to the standard above:

- All testing has already been completed (provide a copy of the full test report(s))
- Some testing has already been completed but additional testing by the testing organization(s) below is pending (provide a copy of the full test report(s) completed to date)
- No testing has been completed, but is pending with the organization below.
- No testing has been completed, but is underway with the organization below. (provide a copy of the test plan(s))

Additional Information: \_\_\_\_\_

## TESTING ORGANIZATION

Please describe the test location and the qualified third-party testing organization(s) that will be used for planned testing for the certification selected above. If more than one, please attach additional sheets.

Select the option below that best describes the proposed testing location for planned testing:

- Test site owned and operated by the third-party testing organization.
- Test site owned and operated by the turbine manufacturer.
- Test site owned and operated by another party.
- Not Applicable (no testing planned – skip entry below)

Third-Party Testing Organization Name:		
Test Site Location:		
Test Site Address Line 1:		
Test Site Address Line 2:		
Test Site City/State/Zip/Country:		
<b>Contacts for Test Organization</b>	<b>Primary</b>	<b>Alternate</b>
Contact Name & Title:		
Contact Phone:		
Contact E-mail:		

### STRENGTH & LOADS ANALYSES

Most of the certifications require loads and strength analyses. If applicable, please describe how strength & loads analyses will be conducted.

Select the option below that best describes the approach to be taken for conducting loads and strength analyses:

- Analyses to be conducted entirely by manufacturer’s staff.
- Analyses to be conducted partly by in-house staff and partly by a third-party consultant (enter information below)
- Analyses to be conducted entirely by a third-party consultant (enter information below)

Third-Party Analysis Organization Name:		
<b>Contacts for Analysis Consultant</b>	<b>Primary</b>	<b>Alternate</b>
Contact Name & Title:		
Contact Phone:		
Contact E-mail:		

## AUTHORIZATION

Applicants for turbine certification with SWCC must demonstrate their eligibility to seek certification. 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)*

### 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](#).

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**Printed Name**

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**Signature**

**Date**

## Part II: Configuration Description

The Configuration Description form is used to collect additional 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 (m<sup>2</sup>):

Number of Blades:

Estimated Max Rotational Speed (rpm):

Power Regulation System (e.g. stall, blade pitching):

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):

Geometry:

## 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 (passive, active, damped):

Wind Direction Sensor:

Yaw Bearing Type:

## Tower 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 documents with this completed form as applicable.

- Turbine photos showing at least 3 general external views.
- Single line wiring/connection diagram from generator to load.
- Existing test reports and/or strength or loads analyses.
- Existing installation or operation manuals, and specification sheets.
- Pending test plans (as available).

## SUBMISSION INSTRUCTIONS

Please submit 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](mailto: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](mailto:src@ solar-rating.org)

OR

**Mail:**  
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Brea, CA 92821 USA