

# STANDARDS & CERTIFICATION

*Regulatory issues • Turbine type certification • Safety standards • Wind farm certification*

## IRS ISSUES CERTIFICATION RULE FOR SMALL TURBINES

*Models up to 100 kW must be certified to qualify for tax credit*



The U.S. Internal Revenue Service in January issued Notice 2015-4 providing new performance and quality standards that require certification of small wind turbines — defined as having a nameplate capacity of up to 100 kW — in order to qualify for the 30 percent federal Investment Tax Credit (ITC).

“Distributed wind power for homes, farms, and small business

is generating clean, affordable and homegrown electricity across all 50 states and as the market grows, it’s of critical importance to ensure high quality products make it to market” said Jennifer Jenkins, Executive Director of the Distributed Wind Energy Association. “These certification requirements provide performance and quality assurance for consumers, government

agencies and the industry, and help to ensure the successful implementation of distributed wind projects domestically.”

“The new certification requirement addresses the small, but persistent segment at the fringe of the industry that make wild assertions on efficiency, performance, and their special ability to work on buildings or very short towers.

Now, in order to qualify for the federal tax credits, they will have to prove these claims to third-party experts. That will be very challenging or impossible for unproven designs with exaggerated performance, but will not pose a major barrier for the industry leaders”, added Jenkins.

Effective for small wind turbines acquired or placed in service after January 26, 2015, the guidance requires that qualifying small wind manufacturers provide certification to either: (1) American Wind Energy Association Small Wind Turbine Performance and Safety Standard 9.1-2009 (AWEA); or (2) International Electrotechnical Commission 61400-1, 61400-12, and 61400-11 (IEC). The certification must be issued by an

eligible certifier, which is defined as a third party, that is accredited by the American Association for Laboratory Accreditation or other similar accreditation body. Documentation establishing that the turbine meets the new requirements must be provided to taxpayers in order to claim the credit.

“As an industry, we have been working for many years to strengthen the credibility and reliability of our products,” Jenkins continued. “I’m proud to note that our membership has been leading the way on this front, actively pursuing certification since 2010 and poised to comply with these new standards.” ↴

— Source: *Distributed Wind Energy Association*



Kettle View Renewable Energy / NREL Small Wind Photo database

## ACCIONA RECEIVES GL2010 TYPE CERTIFICATION FOR 3 MW MODEL

To comply with the highest quality and safety standards, Acciona Windpower has chosen DNV GL to upgrade certification of its 3 MW wind turbine model AW116/3000 from DNV GL’s “Guideline for the Certification of Wind Turbines” edition 2003 to edition 2010 (GL2010). This guideline is based on the latest knowledge about turbine design requirements. The award of a DNV GL type certificate under the GL2010 guideline demonstrates Acciona’s constant commitment to high quality products.

“Certified technologies according to our GL2010 guideline will provide a competitive advantage to Acciona and will strengthen its position in projects where high technical standards are required,” Kim Mørk, Executive Vice President for Renewables Certification at DNV GL explains. The Type Certificate confirms that the wind turbine complies with latest requirements regarding design assessment, imple-

mentation of the design requirements in production and erection, evaluation of quality management and prototype testing.

“Having this updated certification to the latest version of DNV GL’s guideline demonstrates Acciona Windpower’s commitment to be at the forefront of product design and certification which is valued by our customers in the marketplace,” says Scott Baron, Global Product Line Director of Acciona Windpower.

To date, Acciona Windpower has received firm orders to supply over 2,000 MW of AW3000 wind turbines to wind farms in the USA, Canada, Brazil, Mexico, Spain, Poland, Chile and South Africa. The 3 MW wind turbines have four rotor diameter configurations – 100, 116, 125, and 132 meters – with tower height ranges from 84 to 137.5 meters. ↴

— Source: *Acciona*

# CENTERBRIDGE TAPS TÜV RHEINLAND TO ADVISE ON SENVION SALE



TÜV Rheinland provided American investor Centerbridge Partners LP important consultancy support and technical due diligence prior to its purchase of German wind-energy facilities manufacturer Senvion from the Indian Suzlon Group. TÜV Rheinland concluded the technical due diligence inspection within a period of one month.

TÜV Rheinland successfully carries out due diligence in many different industries on behalf of investors, banks and insurance companies in order to provide risk assessment from a technological viewpoint and secure transactions. Technical due diligence includes the evaluation of products, plans and future prospects in terms of technological aspects. Specific industry market and competitive situations are also considered. Furthermore, technical due diligence provided by TÜV Rheinland examines the effects of quality management, measures risk and reliability and evaluates production facilities at various locations.

Senvion SE is one of the leading international manufacturers of onshore and offshore wind turbines. All across the globe, the engineering company is developing, constructing and distributing wind turbines. The power ratings of our turbines range from 1.8 up to 6.15 MW with rotor diameters between 82 and 152 meters. Furthermore Senvion provides clients with

project-specific solutions in the areas of wind farm engineering, service and maintenance, transport and installation as well as foundation. With more than 3,400 employees worldwide Senvion can draw on the profound experience of having constructed and installed over 5,800 wind turbines.

A private investment company with offices in New York and London, Centerbridge Partners LP focuses on private equity and credit investments.

TÜV Rheinland offers a wide range of services for manufacturers, operators, investors and insurance companies in the wind energy industry. The company assists clients all over the world by providing expert assessments and measurements, performing risk and damage analysis, and certifying wind turbines and wind power projects. TÜV Rheinland is accredited by the Germany's National Accreditation Body (DAkkS) for the type and component certification of onshore and offshore wind turbines in compliance with national and international standards. ✎

— Source: TÜV Rheinland

## MAEDC AREA

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Amazing Transportation Access

Air: Local Airports

Truck: Interstate 70

Port: Via Missouri River

Rail: Multi Rail Access

10<sup>th</sup>

Regulatory Environment

US v MAEDC Average Wage

US: \$22

MAEDC: \$14

Broadband + 4G

Thousands of Skilled Laborers

State and Local Incentives

Our region is located near the center of the population of the US called the population mean. Making distribution centralized. ▼

7<sup>th</sup> BEST

economic competitiveness

Missouri is ranked 7th by the American Legislative Exchange Council

Our region is a beautiful historic area.