

(1) The present document is a translation of the Scope of the Accreditation nº 355/LE803, Rev. 15 "Wind turbines" In case of dispute, the valid is the Spanish version

SCOPE OF ACCREDITATION (1)

**FUNDACIÓN CENER - CIEMAT
Wind turbines Test Laboratory (LEA)
Renewable Energy Grid Integration Laboratory (IRE)**

IRE Address: Avda. Ciudad de la Innovación nº 7; 31621 Sarriguren (Navarra)
LEA Address: Polígono Rocaforte, Parcelas G2 y H1; 31400 Sangüesa (Navarra)

Is accredited by the ENTIDAD NACIONAL DE ACREDITACIÓN, according to the criteria collected in Standards UNE-EN ISO/IEC 17025: 2000 (CGA-ENAC-LEC), for the performance of the following tests:

Wind turbines

Category 0 (Tests in the permanent laboratory)

Wind turbines test laboratory (LEA)

PRODUCT/MATERIAL TO TEST	TEST	TEST METHOD
Wind turbines	Full-scale structural testing of rotor blades	IEC TS 61400-23:2001 Edition 1, except sections 8.3, 10.3.3, 10.3.4, 10.4.3 and from 13.8 to 13.12 (both inclusive) Note: In section 12.5 the only applicable sections are: 12.5.1.2, 12.5.1.3, 12.5.1.5, 12.5.1.8, 12.5.2.4 and 12.5.3

Renewable Energy Grid Integration Laboratory (IRE)

PRODUCT/MATERIAL TO TEST	TEST	TEST METHOD
Wind turbines and FACT'S	Model validation test for simulation of components according to conditions of section 7 of the "AEE Procedure for Verification, Validation and Certification of the requirements of the PO 12.3 on the response of wind farms in the event of the voltage dips", Version 4 of 10 th March 2008	Internal Procedure ME 5500/02



48

Category I (Tests “on site”)

Wind turbines test laboratory (LEA)

PRODUCT/MATERIAL TO TEST	TEST	TEST METHOD
Wind turbines	Power performance	IEC 61400-12-1:2005 Edition 1 MEASNET: Power Performance Measurement Procedure, Version 4, November 2006 FGW Technical Guidelines for Wind turbines - Part 2. Revision 15 (01.05.2008)
	Power quality measurement	IEC 61400-21:2001 Edition 1 MEASNET: Power Quality Measurement Procedure, Version 3, November 2006
	Acoustic noise measurement	IEC 61400-11:2006 Edition 2.1 (Consists in IEC 61400-11:2002 Edition 2 and IEC 61400-11-am1:2006) MEASNET: Acoustic Noise Measurement Procedure, Version 2, January 2005
	Mechanical loads measurement	IEC TS 61400-13. 2001 Edition 1
Wind turbines and FACT'S	Voltage dips measurement and wind turbines and FACT'S electrical response to dips, according to conditions of section 6 of the "AEE Procedure for Verification, Validation and Certification of the requirements of the PO 12.3 on the response of wind farms in the event of the voltage dips", Version 4 of 10 th March 2008	Internal Procedures ME 5500/01 ME 5500/03

