



# IECRE OD-550-1

Edition ~~2.0~~ 2016-10-27

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# IECRE OPERATIONAL DOCUMENT

IEC System for Certification to Standards relating to Equipment for use in  
Renewable Energy applications (IECRE System)

WE-OMC Acceptance of RECB during transition period – 2016 type certification





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## 1 Objectives

This Operational Document gives the procedures for accepting RECBs into the IECRE system with the aim to enable issuing IECRE type certificates in 2016.

The acceptance procedure is based on peer assessment in line with ISO/IEC 17040 and the assessment level and method is tailored to be applied in the transition period such that RECBs can be accepted into the system already in 2016 before the final procedures for acceptance of RECBs are in place.

The experience from this assessment work will additionally be used for the development of the final procedures for acceptance of RECBs into the IECRE system. The IECRE scheme intends to promote high standards, transparency and competition in the industry and as such, it is assumed that the final procedures will allow for new certification bodies to enter the scheme and upgrade Type Certificates issued within 2 years prior to the admission date in order to avoid the situation where it is not possible for new certification bodies to enter the scheme. The focus of the assessment will therefore be on the quality of work performed and ability to carry out work rather than the volume of certificates issued.

## 2 Assessment team

The IECRE Secretary shall select the assessment team ensuring sufficient experience in IEC 61400-22 certification work. The assessment team ~~should~~ consist of assessors from two candidate RECBs which are accredited by different accreditation bodies.

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In addition the IECRE Secretary or an appointed representative from IEC will participate as facilitator.

The requirement in ISO/IEC 17040 clause 7.5.7 may be deviated from in the first assessments to exceptionally allow for reciprocal arrangements with written agreement.

Certification Bodies applying shall each at least provide one peer assessor and the peer assessment planning should be such that all peer assessors are utilised.

## 3 Assessment scope

For the transition period there will not be any vertical assessments and hence no need for technical experts during the assessments.

The assessment scope includes type/component certification according to IEC 61400-22 based on IEC 61400-1, IEC 61400-2 and/or IEC 61400-3.

The assessment will be planned for maximum two full working days allowing for around 8 hours of interviews and document review and provided the requested information is readily available in English language.

The candidate RECBs must be accredited by an IAF/MLA accreditation body according to ISO/IEC 17065 with the scope including type and component certification according to IEC 61400-22.

The following areas will be covered by the assessment, criteria in brackets:

- Report from the last accreditation assessments (no pending conflict of interest issues)
- Organisation, consultancy vs. certification (clear separation required)
- IEC 61400-22 scheme + clarification sheets (demonstrate use of the standard including clarification sheet)
- Resource, qualifications and capability (minimum 2 experts available in each technical area, CV, subcontracts)
- Subcontracting (>67% own staff)
- Load calculation software including validation of the software and experience in the use of the software. Exception will be given to CBs only certifying SWTs.
- State of the art knowledge (active participation in IEC TC88 WG or local mirror groups e.g. blade design to understand state of the art)

- Experience:

Number of IEC 61400-22 type certificates issued: 3 type certificates for different wind turbine types according to IEC 61400-22 or equivalent scheme or national schemes equivalent to IEC 61400-22 issued the last two years. An equivalent scheme shall at least include independent load analysis, manufacturing evaluation, type testing and design evaluation.

One of the type certificates could be replaced by ongoing certification work according to IEC 61400-22 including clarification sheets. (In this case the process should be at a stage where certification reports are available at least for loads and critical components and at least one conformity statements.) Or one type certificate may be replaced by multiple component certificates such that the component certificates make out the full scope of a type certificate. For clarity sake, a minimum of 2 full type certificates shall be available.

- Reporting – Certification reports, Certificates and Conformity statements:
  - Identification of the certified wind turbine/component
  - Standards considered (all relevant standards for type certification shall be mentioned)
  - Outstanding issues, conditions, limitations (type certificate must not have any open issues)
  - Final evaluation (review by someone not taking part of the review/evaluation work)
- Certification decision (background for decision documented)
- Annual reporting (demonstrate that this is implemented)
- 2½ year surveillance (demonstrate that this is implemented)

#### **4 Reporting**

The reporting template in OD-550-2 shall be used for the reporting from the peer assessment. Any non-resolved deviations to the procedures and standards shall be highlighted in the conclusion of this report. For further requirements to reporting and handling of non-conformities, see the draft Rules of Procedures document WE-OMC/007/DC 2015-03-2.



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