



IECRE PUBLICATION

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

**Wind Energy – Operational Management Committee
Rules of Procedure (RoP)**

DRAFT



THIS PUBLICATION IS COPYRIGHT PROTECTED

Copyright © ~~2017-2020~~ IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester.

If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

Useful links:

IEC publications search - www.iec.ch/searchpub

The advanced search enables you to find IEC publications by a variety of criteria (reference number, text, technical committee...).

It also gives information on projects, replaced and withdrawn publications.

IEC Just Published - webstore.iec.ch/justpublished

Stay up to date on all new IEC publications. Just Published details all new publications released.

Available on-line and also once a month by email.

Electropedia - www.electropedia.org

The world's leading online dictionary of electronic and electrical terms containing more than 30 000 terms and definitions in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary (IEV) on-line.

Customer Service Centre - webstore.iec.ch/csc

If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: csc@iec.ch.



IECRE 05

Edition ~~1.0-2017-11-13~~ 2.0-2019-XX-XX 2020-03-03

IECRE PUBLICATION

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

**Wind Energy – Operational Management Committee
Rules of Procedure (RoP)**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

ZZ

CONTENTS

CONTENTS	2
FOREWORD.....	3
1 Scope.....	4
1.1 Objective	4
2 Normative References	4
3 Definitions	4
4 Structure and Governance	75
4.1 Introduction.....	75
4.2 Membership and Participation	76
4.3 Acceptance	86
4.4 Voting.....	86
4.5 Stakeholder groups	86
5 Principles of the IECRE WE Conformity Assessment Scheme	97
5.1 IECRE WE Conformity Statements, Certificates and Test Reports	97
5.2 Applicable ODs and standards.....	97
5.3 Permissions	97
5.4 Exchange of IECRE WE Certificates, Conformity Statements and RETRs	108
5.5 Development and Maintenance of Operational Documents (OD) and Rules of Procedure (RoP)	108
5.6 Competence Areas.....	119
5.7 Clarification Sheets	119
5.8 Complaints and Appeals.....	129
6 IECRE WE management and procedure for conformity statements and certificates	129
6.1 General.....	129
6.2 Overview on the extent of certification	129
6.3 Acceptable documents as input to IECRE certificates and conformity statements	129
6.4 Layout and content of conformity statements, certificates and RETR	1344
6.5 Maintenance of certificates.....	1344
7 Use of IECRE WE conformity statements and certificates and RETRs for certification according to national regulations	1444
8 Procedure for Acceptance of Certification Bodies and Testing Laboratories	1444
8.1 Acceptance of Certification Bodies	1444
8.2 Procedure for acceptance of WE testing laboratories	1744
Annex A : Abbreviations.....	2248

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**IEC System for Certification to Standards Relating to Equipment
for Use in Renewable Energy Applications (IECRE System) –**

**Wind Energy – Operational Management Committee
Rules of Procedure (RoP)**

FOREWORD

This publication has been prepared by the IECRE for approval by the IEC Conformity Assessment Board (CAB).

The annexes to this publication are normative.

The text of this publication is based on the following document(s):

Document	Report on Voting
REMC/213/RM	REMC 02/2017 Decision
REMC/419A/DV	REMC/428/RV

Wind Energy – Operational Management Committee Rules of Procedure (RoP)

1 Scope

1.1 Objective

This publication contains the Rules of Procedure of the Wind Energy Sector (IECRE WE) under the IECRE Conformity Assessment System, hereinafter referred to as the “RoP”, intended for use in wind energy applications and which complies with one or more IEC or ISO International Standards. These Rules relate to the Basic Rules of the IECRE System, as given in the publication IECRE Basic Rules (IEC CA 01 + IECRE 01-S). A list of standards in use is published on the IECRE website: www.IECRE.org.

The objective of the RoP is to define the procedure for acceptance of certification bodies and testing laboratories who want to work within the IECRE WE Scheme(s), and, using operational documents, to specify how certificates, conformity statements and reports should be made, in order to enable a smooth operation of the system and mutual recognition of certificates between testing laboratories, certification bodies and national authorities.

2 Normative References

The following referenced documents –are indispensable for the application of this document. For -dated references, only the edition cited applies. For undated -references, the latest edition of the referenced document (including any amendments) applies.

ISO/ IEC 17000	<i>Conformity Assessment: Vocabulary and general principles</i>
ISO/ IEC 17011	<i>General requirements for accreditation bodies accrediting conformity assessment bodies</i>
ISO/IEC 17020	<i>General criteria for the operation of various types of bodies performing inspection</i>
ISO/ IEC 17025	<i>General requirements for the competence of testing and calibration laboratories</i>
ISO/ IEC 17065	<i>Conformity Assessment – Requirements for bodies certifying products, processes and services</i>
IEC CA 01	<i>IEC Conformity Assessment Systems – Basic Rules</i>
IECRE 01-S	<i>IECRE Supplement to IEC CA 01</i>
IECRE 02	<i>Rules of Procedure for IECRE</i>

[IECRE Definitions](#) [Acronyms, Terms and Definitions, Edition 1.0, 2016-10-25](#)

3 Definitions

For the purposes of this document and the underlying operating documents (OD), the terms and definitions given in ISO/IEC 17000, [the IECRE Definitions](#), and the following apply.

NOTE: The definitions in ~~this~~ [the present](#) document take precedence.

Accreditation

~~Procedure by which an authoritative body gives formal recognition that a body is impartial and technically competent to carry out specific tasks such as certification, tests, specific types of tests etc.~~

~~NOTE: Accreditation is awarded following successful assessment and is followed by appropriate surveillance.~~

Assessment

~~Systematic, independent, documented process for obtaining records, statements of fact or other relevant information and assessing them objectively to determine the extent to which specified requirements are fulfilled.~~

Assessor

~~Someone who performs Assessment. In this document Assessor generally refer to the assessors appointed by IECRE from the pool of assessors approved by the WE OMC to perform assessment of certification bodies and testing laboratories when entering the IECRE WE Scheme.~~

Certificate

~~Document issued upon successful completion of a third party conformity assessment by an RECB. The certificate includes identification of the certificate holder/applicant, the object, the main normative standard(s), the reference report(s), the validity, the specific conditions/limitations and the certification body.~~

Certification

Procedure by which a third-party gives written assurance that a product, process or service conforms to specified requirements through the issue of a certificate.

Certification Body (RECB)

~~Body that performs IECRE certification.~~

Certification Scheme

~~Part of the Certification System related to specified objects of certification, to which the same specified requirements, specific rules and procedures apply.~~

Certification System

~~Rules, procedures and management for carrying out certification~~

Component

~~A component of specific design, materials and parts, fabricated according to a common manufacturing process and uniquely described by specific range of parameters and design conditions.~~

Component Certification

Certification of a component according to the IECRE WE certification scheme(s).

Design Life

Period of wind farm operation at the end of which the minimum required structural reliability according to the adopted design standard (usually IEC 61400-1) is still ensured.

Component Certificate

A certificate issued upon the successful completion of Component Certification

Certification Modules

Well defined scope packages that can be certified independently according to OD504

Conformity Statement

Document issued upon successful completion of evaluation of a Certification Module. The statement includes identification of the receiver, the object, the main normative standards, evaluation and measurement report(s), conditions and limitations and certification body.

Established competence area

A competence area is regarded as established, as soon as 3 RECBs or RETLs are approved by REMC (WE-OMC) for the specific competence area.

Final Evaluation Report

A report containing the results of conformity assessment relating to the certification of components, wind turbines or wind turbine projects. The report is the basis for the decision to issue the certificate, and should enable the receiver of the certificate to understand the extent of the certification, and list information that is required for certification of modules to which the certificate interfaces.

Inspection

Systematic examination of the extent to which a product, process or service fulfils specified requirements by means of measuring, observing, testing or gauging the relevant characteristics.

Manufacturer

Entity manufacturing the wind turbine or related components.

Project Certification

Procedure by which a certification body gives written assurance that one or more specific wind turbines including support structure and possibly other installations are in conformity with requirements for a specific site according to the IECRE WE Scheme.

~~Project Certificate~~

~~Document issued by a RECB upon successful completion of project certification~~

~~Re-assessment~~

~~Systematic, independent, documented process for obtaining records, statements of fact or other relevant information and re-assessing them objectively to determine the extent to which specified requirements are still fulfilled.~~

Surveillance

Monitoring and verification that procedures, products and services continue to meet specified requirements.

~~Testing Laboratory (RETL)~~

~~A body that performs testing services according to the IECRE conformity assessment system.~~

Type Certification

Procedure by which a Certification Body gives written assurance that a wind turbine type conforms to specified requirements according to the IECRE WE certification scheme.

~~Type Certificate~~

~~Document issued by a RECB upon the successful completion of Type Certification.~~

~~Type Testing~~

~~Action of carrying out tests for a given component or wind turbine type according to specified procedures and requirements defined in the Certification Scheme(s).~~

Wind turbine type

Wind turbines of common design, materials and major components, fabricated according to a common manufacturing process and uniquely described by a specific range of wind turbine parameters and design conditions.

4 Structure and Governance

4.1 Introduction

The basic rules governing the IECRE system are described in the IECRE Basic Rules (IEC CA 01 + IECRE 01-S). The basic rules are the overarching basis for operation of the IECRE System, its management committee (REMC) and the committees and working groups working under it.

The Rules of Procedure in this document complement the Rules of Procedure from IECRE 02.

The Rules of Procedure put forth in the current document are for the operation of the Wind Energy Sector Scheme(s) (IECRE WE) governed by the REMC, and operated by the IECRE WE-OMC.

4.2 Membership and Participation

IECRE Certification Bodies (RECBs) and IECRE Testing Laboratories (RETLs) approved by the REMC in accordance with the IECRE Basic Rules (IEC CA 01 + IECRE 01-S), the Rules of

~~Procedure from IECRE 02 Basic Rules~~ and associated IECRE and IECRE WE Operational Documents may participate in the IECRE WE Scheme(s).

~~Applications from organizations seeking acceptance as RECB or RETL for the purpose of issuing IECRE WE certificates and test reports, can be accepted from Member Bodies in an IECRE participating country. Reference is made to the IECRE Basic Rules (IEC CA 01 + IECRE 01-S) regarding country membership of the IECRE System.~~

~~It is the duty of all parties operating in the IECRE WE Scheme(s), including manufacturers and other organizations seeking IECRE WE certificates, to conduct affairs in a professional and ethical manner that does not result in actions, misleading information or claims that may bring the IECRE credibility into question.~~

Participants in working groups (WG) and stakeholder groups (SG) need to be endorsed by their national member body. A CB or TL accepted as RECBs or RETLs are obligated to appoint a participant to the respective SG.

For annual OMC plenary meetings member bodies are permitted to send a delegation of not more than 4 delegates, including a head of delegation.

4.3 Acceptance

Certification bodies and testing laboratories are accepted into the IECRE WE Scheme(s) following satisfactory assessment of their impartiality and competence by the **team of assessors** approved by the IECRE WE-OMC.

Successful assessment should provide adequate confidence in the certification scheme to regulatory authorities, users, manufacturers, testing laboratories and certification bodies.

Impartiality and competence are assessed with reference to ISO/IEC 17065, ISO/IEC 17025, ISO/IEC 17020 and IECRE WE-OMC Operating Documents (OD).

The IECRE WE-OMC is responsible for setting up and maintaining the pool from which the team of assessors (incl. lead assessors) for a specific assessment are selected.

WE-OMC assigns the authority for the inclusion of lead assessors into the pool of assessors to the Executive Secretary, WE-OMC Chair and the applicable SG Convenor.

Assessors are added to the pool of assessors following OD-551-23 (for test laboratories) and OD-550-1 (for certification bodies).

(Please note: The assessment teams for a specific assessments are assigned by the Executive Secretary as per the basic rules.)

Assessments are done for defined competence areas. In order to start up a competence area assessors may be used from applicants RETLs/RECBs (as no RETLs or RECBs are as yet recognised for the new competence area). Assessments can start as soon as three applications are available. As soon as the competence area is an established competence area, assessors are added to the pool of assessors following OD-551-23 (for test laboratories) and OD-550-1 (for certification bodies), and the assessors must fulfil the requirements therein. This also means that an applicant assessor where the company does not manage to achieve RETL/RECB status by the time the competence area becomes an established competence area must be removed from the pool of assessors.

4.4 Voting

Voting requirements are as per IECRE 02.

~~The voting for the WE-OMC will be done by the IECRE member bodies, who have become members of the IECRE WE.~~

4.5 Stakeholder groups

In the management of the system, the following stakeholder groups are established:

- Certification Bodies, SG 550
- Testing Laboratories, SG 551
- Original Equipment Manufacturers (Manufacturers, Designers, Contractors), SG 552
- End Users (Owners, Authorities, Investors), SG 553
- Small Wind Turbines~~s-(SWT)~~, SG 554

As part of the decision-making in the WE-OMC, stakeholder groups are given a voice in general discussions and be allowed to comment as a stakeholder group before any voting take place among the member bodies.

5 Principles of the IECRE WE Conformity Assessment Scheme

5.1 IECRE WE Conformity Statements, ~~and Certificates~~ and Test Reports

The IECRE WE Scheme(s) provides the means for designers/manufacturers of wind turbines or wind turbine components as well as owners/developers/designers of wind farms to obtain conformity statements and certificates that are intended to be accepted in all participating countries as covering fundamental parts of the requirements of their national certification or approval system.

An IECRE WE conformity statement or certificate may be issued by any RECB accepted into the IECRE WE Scheme(s).

All test reports that are used as a basis for IECRE WE conformity statements or certificates shall fulfil the requirements of this IECRE05.

5.2 Applicable ODs and standards

All RETRs, conformity statements and certificates shall be issued according to the latest major revisions of the applicable standards or ODs.

When a new standard or OD is issued, issuing a certificate can still be based on the previous major edition unless decided differently by the WE-OMC. This also applies to RETRs and conformity statements.

Note: A “major edition” is indicated by raising the edition number to the next integer, for example from edition 2.0 to edition 3.0. A “minor edition” is indicated by raising the next decimal place, for example from edition 3.0 to 3.1. This means that, for example, when edition 4.1 is issued, a certificate can still be based on edition 4.0, 3.1, or 3.0, but not on 2.0 (unless decided differently by the WE-OMC).

Compliance shall be stated on each RETR, Certificate, and Conformity Statement, according to IEC CA 01 section 11.

The assessment requirements shall be based on the detailed technical requirements of the IEC 61400-series and additional codes or standards chosen by the designer and agreed (e.g. within the design basis evaluation) with the RECB, e.g. local standards.

5.25.3 Permissions

RETLs are permitted to issue RETRs.

Note: An RETL may issue an RETR immediately after it has been recognized. Also, applicant RETLs may start tests for IECRE purposes before they are recognized. They may not issue an RETR before they are recognized.

RECBs are permitted to issue conformity statements and certificates.

Note: An RECB may issue conformity statements and certificates immediately after it has been recognized. Also, applicant RECBs may start evaluations for IECRE purposes before they are recognized. They may not issue any conformity statements or certificates before they are recognized.

5.35.4 Exchange of IECRE WE Certificates, Conformity Statements and RETRs

~~This section is to clarify how~~ RETLs and RECBs can exchange test reports, conformity statements and certificates in the process of issuing conformity statements, prototype certificates, type certificates, and project certificates~~in the process of issuing conformity statements, prototype, type and project certificates~~ as well as statements of compliance to national requirements.

It is the intention of the IECRE WE Scheme(s) that RETRs, conformity statements and certificates can be issued by multiple RETLs and RECBs and that certificates can refer to RETRs, conformity statements and certificates issued by any RETL or RECB within the system.

This is enabled by ensuring that RETRs, conformity statements and certificates are issued according to detailed descriptions and requirements given in the ODs.

~~Conformity statements and~~ Certificates shall be supplemented by a final evaluation report that will enable the receiver of the certificate to understand the extent of the certification. Conformity statements and certificates shall also list information that is required for certification of modules to which they have interfaces.

5.45.5 Development and Maintenance of Operational Documents (OD) and Rules of Procedure (RoP)

In order to approve new documents or change any approved documents under IECRE WE apart from immediate decisions made during REMC or WE-OMC meetings, two categories of documents are defined with different approaches. Each OD or RoP shall be given a category as part of the proposal/scope for development of the document:

1. For category 1 documents:
 - a) WE-OMC defines scope of revision/development
 - b) WE-OMC WG 501 or another assigned working group prepares a proposal for new or updated documents as per agreed scope, to be submitted for review and comment to WE-OMC as well as all Stakeholder Groups and WG501 with a review period of four weeks.
 - c) After inclusion of the comments, a revised document with an assigned edition number (indicated indicating whether it is a minor or major revision) to be submitted for review and voting by WE-OMC, with a minimum review and balloting period ~~of four weeks~~according to IEC CA 01.
 - d) Once the proposed update has been approved by WE-OMC, it replaces the previous version as per agreed introduction date. In case of a new document, once approved by WE-OMC, it comes into force as per agreed introduction date.
2. For category 2 documents:
 - a) WE-OMC WG 501 or another working group prepares a proposal/scope for new or updated documents, to be submitted for review and comment to WE-OMC, with a minimum review and balloting period of one month.
 - b) Once the proposed update has been approved by WE-OMC it replaces the previous version as per agreed introduction date. In case of a new document, once approved by WE-OMC, it comes into force as per agreed introduction date.

All ODs and RoP will be considered category 1 unless an explicit decision has been made by WE-OMC to the contrary.

Changes to correct mistakes and editorial change-s can be implemented ~~anted~~ at any time by the Secretariat, ~~as long as the relevant SG convener and WE-OMC chair agree. During the transition period there is a need to be able to revise ODs quickly. Therefore the review and balloting periods above have been reduced.~~

5.6 Competence Areas

New competence areas for RETLs, RECTFs, and RECBs, are created and controlled by the corresponding ODs, which are created and revised, according to the rules in section 5.5.

5.5.7 Clarification Sheets

To facilitate a uniform interpretation of rules under the IECRE WE-OMC as well as standards used under this scheme, clarification sheets can be made with a temporary interpretation of a rule or standard.

When so required for the conformity assessment work the WE-OMC may issue clarification sheets as per the requirements in OD-002, Clarification Sheets (CSH), ~~for the temporary interpretation of standards under TC88 and IECRE WE category 1 documents, using the following procedure:~~

~~A clarification sheet may be proposed by a stakeholder working group or a WE-OMC national member body. The proposal should be made using the template defined by IECRE OD-002 and submitted to the IECRE Secretariat. The clarification sheet should clarify a specific point in a specific TC88 standard or IECRE WE category 1 document; the clarification sheet shall not change the requirements in the TC88 standard or IECRE WE category 1 document.~~

~~The clarification sheet should be sent for review to all stakeholder groups under WE-OMC as well as to the WE-OMC national member body. The minimum review period is four weeks. The clarification sheet shall also be sent for review to the convener of the relevant TC88 standard maintenance team. The IECRE Secretary/Executive Secretary must send the clarification sheet for review within two weeks of receiving it, unless information is missing in the template, in which case the proposer will be contacted within these two weeks.~~

~~WE-OMC makes the decision on the clarification sheet. Clarification sheets should be agreed with consensus, as this is a matter of understanding the present documents. If consensus is not reached, the clarification sheet may still be approved if supported from 80% of all votes cast.~~

~~After the clarification sheet has been approved and published, it becomes a mandatory interpretation for all uses of the relevant standard under the IECRE.~~

~~All proposed, approved and obsolete clarification sheets will be shown in the IECRE website, together with the status of the clarification sheet (proposed, approved, obsolete) and the related standard or category 1 document.~~

~~The clarification sheet becomes obsolete when the related standard or document has finished its next maintenance cycle.~~

~~The TC88 can change an approved clarification sheet related to a standard at any time by proposing an alternative clarification.~~

Clarification sheets (including clarification sheets developed by WTCAC before the startup of the IECRE System) will remain valid and are referenced on the web page (www.iecre.org) until replaced by updates of standards or OD's under this scheme.

~~5.65.8~~ Complaints and Appeals

Should the RECB receiving an IECRE WE ~~conformity statement or certificate or an RETR~~~~documentation or work~~ for recognition consider it deficient or being issued in error, the entity that issued it shall be informed as soon as possible to take appropriate actions. Cases of dispute between the RECBs and/or RETLs involved may be lodged to the IECRE Board of Appeal as given in the IECRE Basic Rules (IEC CA 01 + IECRE 01-S).

6 IECRE WE management and procedure for conformity statements and certificates

6.1 General

The IECRE WE management and procedures for issuing, maintenance and suspension/withdrawal of conformity statements and certificates are detailed in the OD-501 ~~and OD-502~~.

6.2 Overview on the extent of certification

The certification procedures specified in the operating documents OD-501 ~~and OD-502~~, constitute a complete third-party conformity assessment scheme for a wind turbine type, a major component type or one or more wind turbines including related equipment/installations at a specific location. A successful evaluation results in one or more of the following:

- a Prototype Certificate
- a Component Certificate
- a Conformity Statement
- ~~a Type Certificate~~
- a Project Design Certificate
- a Project Certificate
- ~~An evaluation report for the Certification Module or Certificate~~

~~The format and content of the evaluation report will be specified in relevant ODs.~~

6.3 Acceptable documents as input to IECRE certificates and conformity statements

IECRE certificates and conformity statements must be based on IECRE test reports as per the rules in this paragraph.

From the moment that a test laboratory is recognized for a specific competence area, other test laboratories have nine months to achieve a similar recognition. During these nine months RECBs may still use test reports from non-recognized test laboratories for the specific competence area (as long as the reports fulfil the requirements as per OD-501, OD-502, IEC 61400-22 and the relevant test standard, whichever of these is applicable). After these nine months have passed, RECBs may only accept test reports (with an issue date after the nine month deadline) from recognized test laboratories for this specific competence area.

Please ~~n~~Note that there is no limitation as to when the test report was written as long as it is issued by a test laboratory that is recognized at the time the report is submitted to the RECB.

Please ~~a~~Also note that test reports with an issue date from before the nine month deadline can still be accepted by an RECB, even from non-approved test laboratories ~~labs~~ as long as they are less than 5 years old.

As an example, if for a specific Test Laboratory ~~Lab~~ competence area the nine month deadline falls on the Feb 1st, 2017, then:

- An RECB may accept test reports from any test laboratory ~~lab~~ as input to the certification process until Feb 1st, 2017 (as long as the reports fulfil the requirements as per OD-501, OD-502, IEC 61400-22 and the relevant test standard, whichever of these is applicable)
- An RECB may accept test reports from a test laboratory ~~lab~~ that has been approved before Feb 1st, 2017, regardless of the issue date of the report (as long as the reports fulfil the requirements as per OD-501, OD-502, IEC 61400-22 and the relevant test standard, whichever of these is applicable)
- An RECB may still accept test reports from a test laboratory ~~lab~~ that was not yet approved on Feb 1st, 2017, if the issue date of the report is before Feb 1st, 2017 (as long as the reports fulfil the requirements as per OD-501, OD-502, IEC 61400-22 and the relevant test standard, whichever of these is applicable)
- An RECB may *not* accept test reports from a test laboratory ~~lab~~ that is not approved, if the issue date of the report is on or later than Feb 1st, 2017

The graph below further clarifies this:

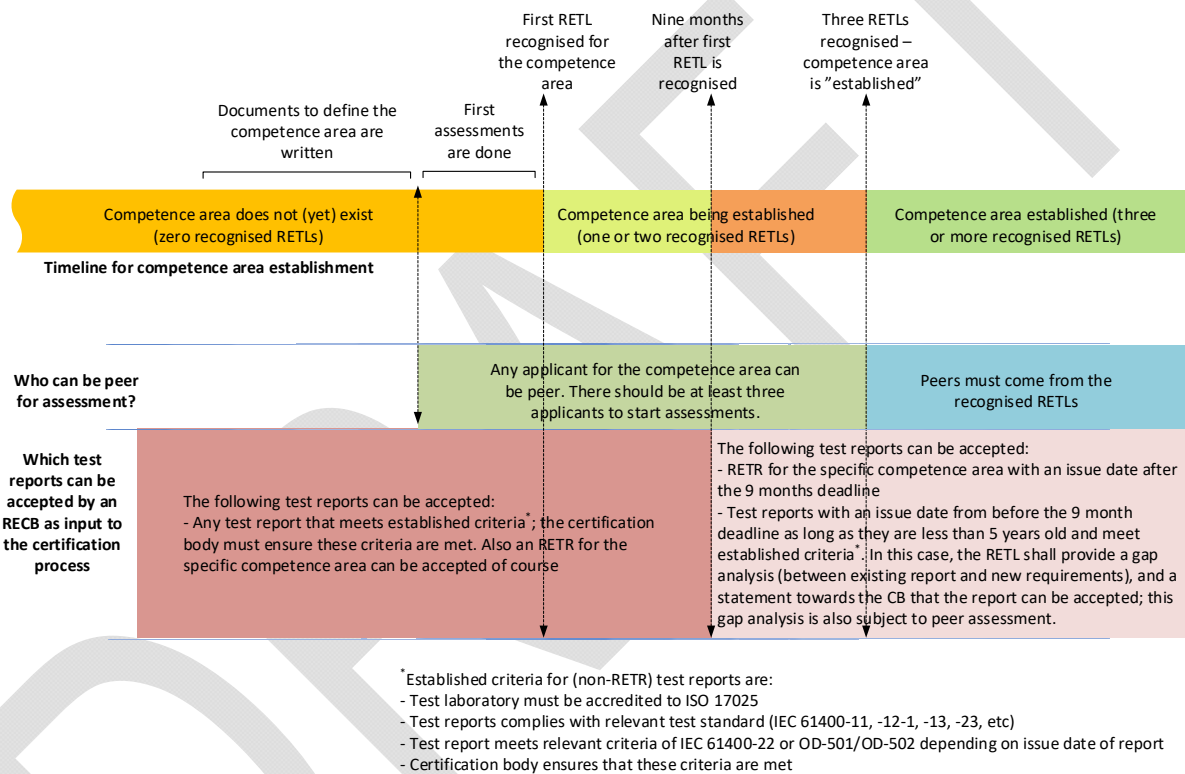


Figure 1: test report acceptability

6.36.4 Layout and content of conformity statements, certificates and RETR

The layout and the content of IECRE WE conformity statements, ~~and~~ certificates ~~and test reports~~ are described in ~~templates available on the IECRE webpage OD501 (with current additions in the clarification sheet WTCAC CBC 15C) until updated and replaced by specific ODs.~~

The layout for IECRE WE Test Report (RETR) is to be as described in the relevant standards or in specific IECRE WE ODs.

6.46.5 Maintenance of certificates

Maintenance of IECRE WE conformity statements and certificates is described ~~(with current additions)~~ in OD-501 and OD-502 ~~the clarification sheet WTCAC CBC 14C.~~

7 Use of IECRE WE conformity statements and certificates and RETRs for certification according to national regulations

It is intended that the IECRE System will provide globally harmonised requirements for wind turbines as well as wind turbine projects, and that the IECRE WE Scheme(s) are adopted by member countries as the basis for certification according to national requirements.

Where local and/or national certification is required in addition to the IECRE WE certificates, conformity statements and RETRs, the IECRE System shall aim at providing an overview of such additional requirements.

This is done by having IECRE national member bodies provide input to an OD describing:

- an overview of the national certification scheme(s)
- a description of the extent of integration of IECRE WE Scheme(s) in national certification
- deviations from requirements in the IECRE WE Scheme(s)
- additional requirements to the IECRE WE Scheme(s)
- requirements for repeating testing and certification activities already included under the IECRE WE Scheme(s)
- requirements for local accreditation of RECBs and RETLs to issue test reports and certificates for national certification

8 Procedure for Acceptance of Certification Bodies and Testing Laboratories

8.1 Acceptance of Certification Bodies

8.1.1 Conditions of acceptance

A certification body shall be accepted as an RECB by the REMC and given the right to issue IECRE WE [evaluation reports](#), conformity statements and certificates, according to IECRE WE Scheme(s), under the following conditions and according to the procedures stipulated in ~~8.1.2 to 8.1.12~~ [8.1.2 to 8.1.11](#):

- The [candidate](#) RECB shall be accredited to ISO/IEC 17065 by a recognized national accreditation body. If the RECB loses its accreditation they must notify the IECRE ~~Secretary~~[Executive Secretary](#). The competence and impartiality of the RECB shall be demonstrated by assessment according to the relevant OD for the competence areas.

8.1.2 Application as certification body (RECB)

The applicant certification body, ~~via a national Member Body of the IECRE System~~, shall make an application, [via a national Member Body of the IECRE System](#), for the acceptance as RECB for one or more Certification Scheme and/or Certification Module accepted for use in the IECRE Conformity Assessment System.

The application shall be submitted to the IECRE ~~Secretary~~[Executive Secretary](#).

In submitting an application, the applicant certification body agrees to comply with the IECRE System Rules including the IECRE WE Scheme(s), as amended along with an IECRE code of professional conduct which includes, at all times, to support the principles and aims of the IECRE System.

Upon application, the applicant certification body will become a member of the IECRE WE Certification Bodies working group IECRE WE-OMC SG 550.

The applicant can request a unified assessment, which allows an applicant to be assessed by their accreditation body and the team of assessors at the same time. If unified assessment is requested, the applicant is responsible for getting this approved by the accreditation body.

The documents to be assessed by the team of assessors are to be provided in English.

NOTE: The audit by the auditors is often conducted in the local language, and many quality documents will be written in the local language. However, it is important for the applicant to note that the communication with and the documents that need to be prepared for the Technical Assessor(s) will have to be provided in English. If the original documents are written in another language these may be translated into English. It is the responsibility of the applicant that this is done in a technically correct manner. Use of a trained translator and review by a technically skilled person that speaks both languages is recommended.

8.1.3 Assessment

The applicant certification body shall be assessed to determine that the conditions according to 8.1.1 are fulfilled. Technical assessors are appointed and approved by WE-OMC according to the process defined by the REMC and appointed by the IECRE ~~Secretary~~Executive Secretary shall carry out the assessment. The team shall be led by a lead assessor (management system auditor) approved by WE-OMC and appointed by the IECRE ~~Secretary~~Executive Secretary. The lead assessor may represent a national accreditation body i.e. in the case of unified assessment.

The applicant shall be given the names and current appointments of the team of assessors proposed to be appointed by the IECRE ~~Secretary~~Executive Secretary. Applicants may object "for cause" (reasons to be stated) to the appointment of the assessors to the IECRE ~~Secretary~~Executive Secretary. If the stated reasons are considered sufficient, new assessor(s) will be appointed.

The applicant to be assessed shall accept to pay the professional fees of the team of assessors, the daily fee to be decided by the REMC, and the reasonable travelling and living expenses arising from the assessment. An estimate of these expenses shall be provided by the lead assessor, and agreed with the applicant in advance. The IECRE ~~Secretary~~Executive Secretary shall manage the assessment process, including the appointment of the team of assessors from a pool of technical experts approved by the WE-OMC.

8.1.4 Resolution of Differences

During the technical assessment, the assessors shall prepare a draft report that shall be discussed with the management of the applicant certification body. Efforts should be made to resolve any differences of opinion between the assessors and the applicant during the closing meeting.

Non conformities shall be reported at the conclusion of the closing meeting and a time frame for resolving them shall be agreed. After this time frame, the final assessment report shall be prepared.

8.1.5 Reports to IECRE ~~Executive Secretary~~Secretariat

The lead assessor shall submit to the IECRE ~~Secretary~~Executive Secretary- a summary report containing the recommendations of the assessment team, taking into account the declaration submitted together with the application. Such a report shall ~~be in accordance with OD-004, not include the reports, round robin results and procedures that were the basis of the assessment but shall include sufficient details from these sources to give the technical background for the recommendation.~~ A copy of the summary report shall be submitted to the representatives of the applicant certification body.

The full report will be shared with the applicant and the IECRE ~~Secretary~~Executive Secretary, but is otherwise confidential and will thus not be shared with the WE-OMC.

8.1.6 Acceptance

Upon successful assessment, the IECRE ~~Secretary~~Executive Secretary shall recommend WE-OMC to accept the applicant at a WE-OMC meeting or by correspondence. If the WE-OMC accepts the recommendation then the IECRE ~~Secretary~~Executive Secretary will submit this recommendation to the REMC for approval.

Once the recommendation to approve is submitted to the IECRE ~~Secretary~~Executive Secretary, a provisional approval may be granted.

8.1.7 Notification

If the decision of the REMC is positive, the IECRE ~~Secretary~~Executive Secretary shall inform the applicant in writing. If the decision of the REMC is negative a provisional approval will be withdrawn, and the Chairman of the REMC may, depending on the findings, suggest to the applicant

- to withdraw the application, or
- to accept a new assessment.

~~8.1.8~~ **Changes**

~~Each RECB shall inform the IECRE ~~Secretary~~Executive Secretary about changes in the information given according to 8.1.2~~

~~8.1.98.1.8~~ **Extension of scope**

When an RECB wishes to extend its acceptance to other competence areas in the IECRE System, an application shall be made to the IECRE ~~Secretary~~Executive Secretary. To the extent relevant the assessment team that last assessed the RECB shall give their comments on the application and the intended scope of the new assessment team.

The assessment of the extended scope shall follow the same procedure as the standard assessment or the new-entrant assessment.

~~8.1.108.1.9~~ **Re-Assessment**

The acceptance of the RECB is valid for a period of five years.

The re-assessment shall follow the same procedure as the standard assessment except that non conformities must be resolved within 3 months. The re-assessment shall be paid by the RECB in question.

The IECRE ~~Secretary~~Executive Secretary will notify RECBs when re-assessment is required. In case of unsuccessful re-assessment or refusal, the RECB will be suspended according to the rules of 8.1.12.

~~8.1.118.1.10~~ **Withdrawal requested by RECB**

An RECB wishing to withdraw from the IECRE Conformity Assessment System shall notify the IECRE ~~Secretary~~Executive Secretary via the national Member Body of the IECRE System at least one year in advance and shall indicate the reason for withdrawal and the date from which the withdrawal will become effective.

~~8.1.128.1.11~~ **Suspension and Withdrawal**

The acceptance of an RECB may be suspended or withdrawn by the REMC, if that RECB no longer fulfils the conditions of 8.1.1, or if, in the opinion of the REMC, the RECB hampers the aim, operation or development of the IECRE Conformity Assessment System, fails to take action regarding misuse of IECRE conformity statements and certificates or violates these RoP.

Before such a decision is made, the RECB shall be given the opportunity to take corrective action over a period of six months and state its own opinion on the matter. A decision to suspend or withdraw the acceptance of an RECB shall require agreement at a meeting of the REMC by a majority of at least four fifths of the total number of members. Members not attending that meeting shall have the right to cast their vote in writing by registered mail, or email to the IECRE ~~Secretary~~Executive Secretary prior to the meeting. In the case of suspension or withdrawal, the certification body in question shall not be allowed to claim any relationship with the IECRE System.

8.2 Procedure for acceptance of WE testing laboratories

8.2.1 Conditions for acceptance

A testing laboratory shall be accepted as an RETL by the REMC and given the right to issue IECRE WE testing reports according to IECRE WE Scheme(s), under the following conditions and according to the procedures stipulated in ~~8.2.2 to 8.2.10~~ 8.2.2 to 8.2.10.

- The ~~candidate RETL testing laboratory~~ shall be accredited to ISO/IEC 17025 by a recognized national accreditation body. If the RETL loses its accreditation they must notify the IECRE ~~Secretary~~Executive Secretary.
- The competence and impartiality of the testing laboratory shall be demonstrated by assessment according to the relevant OD for the competence areas.

~~An example of some of the competence areas for which a testing laboratory may be assessed in the wind energy sector are:~~

- ~~Noise measurements according to IEC 61400-11 and IEC 61400-14~~
- ~~Power performance Curve measurements according to IEC 61400-12-1~~
- ~~Anemometer calibration according to IEC 61400-12-1~~
- ~~Loads measurements according to IEC 61400-13~~
- ~~Electrical characteristics Power Quality measurements according to 61400-21~~
- ~~Blade testing according to IEC 61400-23~~
- ~~Duration testing for small turbines according IEC 61400-2~~
- ~~Gearbox testing according to IEC 61400-4~~
- ~~Lightning protection system Blade lightning tests according to IEC 61400-24:~~
 - ~~High voltage test according to IEC 61400-24~~
 - ~~High current test according to IEC 61400-24~~
- ~~Test of lightning down conduction system~~
 - ~~High current test of rotation/sliding contacts according IEC 61400-24~~
- ~~High current test of connection components according to IEC 61400-24~~

The WE-OMC shall decide upon the extent of the assessment that is necessary. The specific requirements to pass an assessment for each of these competence areas are detailed in the Operational Documents.

8.2.2 Application

An application for the acceptance of a laboratory as an RETL for testing according to one or more standards accepted for use in the IECRE System shall be made by the candidate testing laboratory, via the national Member Body of the REMC. Testing laboratories from non-member countries may also apply for acceptance as an RETL. WE-OMC shall decide upon the rules and exceptions of reference. The application shall be submitted to the IECRE ~~Secretary~~Executive Secretary.

In submitting an application, the applicant testing laboratory agrees to comply with the IECRE System Rules including the IECRE WE Scheme(s), as amended along with an IECRE code of

professional conduct which includes, at all times, to support the principles and aims of the IECRE System.

The applicant can request a unified assessment, which allows for a testing laboratory to be assessed by their accreditation body and the team of assessors at the same time. If unified assessment is requested, the testing laboratory is responsible for getting this approved by the accreditation body.

The documents to be assessed by the team of assessors are to be provided in English.

NOTE: The audit by the auditors is often conducted in the local language, and many quality documents will be written in the local language. However, it is important for the applicant to note that the communication with and the documents that need to be prepared for the assessors will have to be provided in English. If the original documents are written in another language these may be translated into English. It is the responsibility of the applicant that this is done in a technically correct manner. Use of a trained translator and review by a technically skilled person that speaks both languages is recommended.

After the application has been made but before the standard assessment takes place the following shall be done:

- The scope of the assessment shall be defined and agreed between the candidate, IECRE ~~Secretary~~Executive Secretary and assigned team of assessors

Based on the agreed scope the candidate shall submit the following information as relevant:

1. An overview of all reports the testing laboratory has issued in the last 3 years where compliance is claimed for the relevant standard(s) for the competence area
2. An overview of Test Procedures relating to the competence being assessed
3. Three reports from the list provided by the RETL being assessed as selected by the team of assessors
4. Test Procedures as selected by the team of assessors (this could cover all procedures in the overview)
5. The most recent ~~MEASNET Round Robin proficiency test results~~ or other applicable methods according to the requirements from the applicable OD
6. Results of the test or analysis of the specimen or dataset as provided by the team of assessors
7. An (anonymous) overview of ongoing relevant tests, including expected time frame and rough location.

For a new-entrant assessment a detailed plan shall be made to describe the scope and timing of the full assessment planned and the expected deliverables from the candidate, including their timing.

8.2.3 Technical Assessment

8.2.3.1 General Approach

The technical assessment can be done in three ways:

1. The standard assessment will normally be used and can be applied to existing testing laboratories as well as new entrants
2. A specific 'new entrant assessment'¹ has also been defined to make it possible for new entrants to join the system if they cannot fulfil the requirements for the standard assessment.

¹ A test ~~laboratory lab~~ is considered a 'new entrant' if they have not been doing tests according to relevant standards before, and therefore do not have old reports for review during the assessment.

3. An '~~manufacturing facility~~RECTE assessment' for facilities belonging to manufacturers or end users has been defined as a separate assessment to allow these results to be used for conformity assessment

If the applicant has started activities for the specific competence being assessed in the last three years the applicant may choose the 'new entrant assessment' or the 'standard assessment'.

The team of assessors shall carry out the assessment. Normally at least two assessors will be appointed to the team of assessors. The team of assessors shall be led by a lead assessor, appointed by the IECRE ~~Secretary~~Executive Secretary-. If only one technical assessor is required this assessor shall have the role of lead assessor.

The applicant shall be given the names and current appointments of the team of assessors proposed to be appointed by the IECRE ~~Secretary~~Executive Secretary-. Applicants may object "for cause" (reasons to be stated) to the appointment of the assessors to the IECRE ~~Secretary~~Executive Secretary-. If the stated reasons are considered sufficient, new assessor(s) will be appointed.

The laboratory to be assessed shall accept to pay the professional fees of the team of assessors, the daily fee to be decided by the REMC, and the reasonable travelling and living expenses arising from the assessment. An estimate of these expenses shall be provided by the lead assessor and agreed with the applicant in advance. The ~~Secretary~~Executive Secretary- of the IECRE shall manage the assessment process, including the appointment of the team of assessors from a pool of technical experts approved by the WE-OMC.

8.2.3.2 Standard Assessment

The applicant testing laboratory shall be assessed to determine that the conditions according to ~~8.2.4~~8.2.1 are fulfilled, including the requirements in all relevant ODs.

The scope of the standard assessment depends on the competence area being assessed and is detailed in the relevant ODs. In case it is needed to ascertain that a candidate RETL applies the same quality management system globally across multiple offices, an initial assessment of all offices is required. The conclusion with regards to the question if the offices actually operate under one quality system shall be indicated in the assessment report. In case the offices indeed operate under one quality system then the subsequent assessments can be done under the assumption that the assessed offices all operate under the same quality management system.

8.2.3.3 New entrant assessment

The assessment is defined to make it possible for new entrants to become an RETL. Applicants must note that the scope and assessment cost for the new entrant assessment can be larger than for the standard assessment.

The most basic assessment is done when the applicant does not have a sufficient number of reports available for review. This assessment is based on the assessor being involved in the preparation and execution of the first, second or third test and possibly if required subsequent tests. Further details of this assessment are given in the relevant ODs.

If the applicant has one or two reports available, some of these elements may not be required. The scope of the assessment shall be made in agreement with the assessor and based on the guidance in the ODs.

8.2.3.4 ~~Manufacturer facility~~ RECTFs assessment (new text from WG003 on RECTFs (customer test facilities))

It is possible to use tests performed in facilities owned by manufacturers or end-users (even if these are not accredited to ISO/IEC 17025) as long as they meet the requirements in the relevant standardODs and follow the rules for RECTF acceptance laid out in IECRE 02.

8.2.4 Resolution of differences

During the technical assessment, the assessors shall prepare a draft report that shall be discussed with the management of the applicant testing laboratory. Efforts should be made to resolve any differences of opinion between the assessors and the applicant during the closing meeting.

Non conformities shall be reported at the conclusion of the closing meeting and a time frame for resolving them shall be agreed. After this time frame, the final assessment report shall be prepared.

8.2.5 Report to IECRE ~~Secretary~~ Executive Secretary

The lead assessor shall submit to the IECRE ~~Secretary~~ Executive Secretary a summary report containing the recommendations of the assessment team, taking into account the declaration submitted together with the application. Such a report shall be in accordance with OD-005, ~~not include the reports, round robin results and procedures that were the basis of the assessment but shall include sufficient details from these sources to give the technical background for the recommendation~~. A copy of the summary report shall be submitted to the representatives of the applicant testing laboratory.

The full report will be shared with the applicant and the IECRE ~~Secretary~~ Executive Secretary, but is otherwise confidential and will thus not be shared with the WE-OMC.

8.2.6 Acceptance

Upon successful assessment the IECRE ~~Secretary~~ Executive Secretary shall recommend WE-OMC to accept the applicant test laboratory at a WE-OMC meeting or by correspondence. If the WE-OMC accepts the recommendation then the IECRE ~~Secretary~~ Executive Secretary will submit this recommendation to the REMC for approval.

Once the recommendation to approve is submitted to the IECRE ~~Secretary~~ Executive Secretary, a provisional approval may be granted.

8.2.7 Notification

If the decision of the REMC is positive, the ~~Secretary~~ Executive Secretary of the REMC shall inform the applicant in writing. If the decision of the REMC is negative a provisional approval will be withdrawn, and the Chairman of the REMC may, depending on the findings, suggest to the applicant

- To withdraw the application, or
- To accept a new assessment

8.2.8 Extension of scope

When an RETL wishes to extend its acceptance to further competence areas in the IECRE System, an application shall be made to the IECRE ~~Secretary~~ Executive Secretary. To the extent relevant the assessment team that last assessed the RETL shall give their comments on the application and the intended scope of the new assessment team.

The assessment of the extended scope shall follow the same procedure as the standard assessment or the new-entrant assessment.

8.2.9 Re-assessment

The acceptance of the RETL is valid for a period of ~~three~~ five years.

The re-assessment shall follow the same procedure as the standard assessment except that non conformities must be resolved within 3 months. The re-assessment shall be paid by the RETL in question.

The IECRE ~~Secretary~~Executive Secretary- will notify RETLs when re-assessment is required. In case of unsuccessful re-assessment or refusal, the RETL will be suspended according to the rules of 8.2.10.

8.2.10 Suspension and Withdrawal


The WE-OMC may recommend to the REMC that the RETL be suspended or withdrawn if that RETL no longer fulfils the conditions of 8.2.1 (Including the relevant ODs) or if it violates these RoP.

In urgent cases, the IECRE ~~Secretary~~Executive Secretary- may suspend an RETL.

Before a decision is made to suspend or withdraw an RETL, the RETL shall have the opportunity to take corrective action over a period of two weeks to six months (at the discretion of the WE-OMC or its chair) and state its own opinion on the matter. In case of a suspension or a withdrawal, the testing laboratory in question shall not be allowed to claim any relationship with the IECRE Conformity Assessment System.

Annex A: Abbreviations

<u>CAB</u>	<u>Conformity Assessment Board</u>
<u>CB</u>	<u>Certification Body</u>
<u>CSH</u>	<u>Clarification Sheet</u>
<u>IEC</u>	<u>International Electrotechnical Commission</u>
<u>IECRE</u>	<u>IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Application</u>
<u>ISO</u>	<u>International Organization for Standardization</u>
<u>OMC</u>	<u>Operational Management Committee</u>
<u>OD</u>	<u>Operational Document</u>
<u>RECB</u>	<u>Renewable Energy Certification Body</u>
<u>RECTF</u>	<u>Renewable Energy Customer Test Facility</u>
<u>RETL</u>	<u>Renewable Energy Test Laboratory</u>
<u>RETR</u>	<u>Renewable Energy Test Report</u>
<u>REMC</u>	<u>Management Committee of the IECRE System</u>
<u>RoP</u>	<u>Rules of Procedure</u>
<u>SG</u>	<u>Stakeholder Group</u>
<u>TL</u>	<u>Test Laboratory</u>
<u>WE</u>	<u>Wind Energy</u>
<u>WE-OMC</u>	<u>IECRE Wind Energy Sector Operational Management Committee</u>
<u>WG</u>	<u>Working Group</u>
RECB	a certification body approved to operate under the IECRE System
RETL	a testing laboratory approved to operate under IECRE System
RETR	a test report issued by a RETL
OD	operating documents to specify details of processes, procedures, and requirements under the IECRE
IECRE WE-OMC	IECRE wind energy sector operating management committee
REMC	management committee of the IECRE System



**INTERNATIONAL
ELECTROTECHNICAL
COMMISSION**

3, rue de Varembé
PO Box 131
CH-1211 Geneva 20
Switzerland

Tel: + 41 22 919 02 11
info@iec.ch
www.iec.ch

**IEC SYSTEM FOR CERTIFICATION TO STANDARDS
RELATING TO EQUIPMENT FOR USE IN RENEWABLE
ENERGY APPLICATIONS (IECRE SYSTEM)**

IECRE Secretariat c/o IEC
3, rue de Varembé
PO Box 131
CH-1211 Geneva 20
Switzerland

Tel: + 41 22 919 02 11
secretariat@iecre.org
www.iecre.org