



IECRE PUBLICATION

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

Acronyms, Terms and Definitions





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IECRE Definitions

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Renewable Energy applications (IECRE System)**

Acronyms, Terms and Definitions

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1 Acronyms

Acronym	Description
AAR	Annual Re-Assessment Report
BoA	IECRE Board of Appeals
BR	Basic Rules
CAB	IEC Conformity Assessment Board
CASCO	ISO Conformity Assessment Committee
CC	Compilation of Comments
CD	Committee Draft
DA	Draft Agenda
DC	Document for Comment
DFA	Document For Approval
DL	Decision List
DSH	Decision Sheet
DV	Document for voting
EAR	Extension Assessment Report
EN	European Standard
EPC	Engineering Procurement and Construction
FAR	Follow-up Assessment Report
HBR	Harmonized Basic Rules
IAF	International Accreditation Forum
IEC	International Electrotechnical Commission
IECRE	IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Applications
ILAC	International Laboratory Accreditation Cooperation
INF	Document for Information
MB	IECRE Member Body
ME	Marine Energy
ME-OMC	IECRE Marine Energy Sector Operational Management Committee
MoU	Memorandum of Understanding
N/A	Not Applicable
NCR	Non Conformity Report
OD	Operational Document
PDSH	Provisional Decision Sheet
PV	Photo Voltaic
PV-OMC	IECRE Solar PV Sector Operational Management Committee
Q	Questionnaire
R	Report
RAR	Re-assessment Report
RCMC	Report to the Certification Management Committee
RD	Ruling Document
RECB	Renewable Energy Certification Body
RECoC	Renewable Energy Certificate of Conformity
REMC	Management Committee of the IECRE System
RETL	Renewable Energy Testing Laboratory
RLAR	Re-Location Assessment Report
RM	Report of Meeting
RoP	Rules of Procedure
RQ	Report on Questionnaire
RV	Result of Vote
SG	Stakeholder Group
TF	Task Force
ToR	Terms of Reference
TRF	Test Report Form
WE	Wind Energy
WE-OMC	IECRE Wind Energy Sector Operational Management Committee
WG	Working Group

2 Definitions

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.

Applicant: Entity applying to a RE Certification Body for obtaining Certification or Test Reports.

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.

An assessment of a RECB, RETL, or REIB within the IECRE system involves verification of compliance with the requirements detailed in the IECRE and OMC operational documents.

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

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.

Certificate of Conformity (CoC): Document issued upon successful completion of project certification. Procedural requirements for issuing certificates of conformity are specified in the relevant ODs.

NOTE: The CoC is a top tier certificate triggered by successfully obtaining the sub-level certificates.

Certificate holder: Entity holding a certificate after the certificate is issued

NOTE: This entity may not be the original applicant but nevertheless is responsible for maintenance of the certificate.

Certification: Documented statement of verification by an IECRE approved Certification body that a product, process, or service conforms to specified requirements as outlined in the certificate

NOTE: A power plant could be considered as a product.

Certification Body (RECB): An organization that conducts conformity assessments and has been accepted according to the IECRE Rules and which issues Certificates and Certificates of Conformity.

Certification Documentation: Evidence of certification – such as a certificate, test report, a license, a certification mark, etc.

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

Certification Modules: Well defined scope packages that can be certified independently according to the relevant ODs.

Component: One of the parts or subassemblies that make up a system, that has a distinct function, interface and boundary; is 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 Certificate: A certificate issued upon the successful verification of requirements per the component standard(s) or IECRE Rules or ODs.

Conditional Project Certificate: Document issued upon commissioning and initial operation of project.

Configuration: The functional and physical characteristics of hardware or software as set forth in technical documentation or achieved in a product

Configuration Management: A discipline applying technical and administrative direction and surveillance to: identify and document the functional and physical characteristics of a configuration item, control changes to those characteristics, record and report change processing and implementation status, and verify compliance with specified requirements.

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. Procedural requirements for issuing a certificate or conformity statement are specified in the relevant OD's.

Commissioning (PV): Process that encompasses functional safety checks, connecting the PV power plant to the grid and putting into operation

Design Life: The design life of a component or system is the period of time during which the item is expected by its designers to work within its specified parameters; in other words, the life expectancy of the item. It is the length of time between placement into service of a single item and that item's on-set of wear-out. The design life of specific components is defined in the appropriate technical standards.

Extension of scope: A formal application made by the RECB to the IECRE Secretariat, with copy to the responsible Member Body of the IECRE for that RECB, seeking the extension of its scope to declared standards.

Final Evaluation Report: A report containing the results of conformity assessment. 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.

NOTE: Reserved for use on Power Blocks and Project Levels. Not applicable for components or subassemblies.

Harmonized standard: A standard that is nationally recognized as a standard harmonized with IEC and for which there are published and readily available National or Regional Differences from the IEC requirements.

IECRE – Member Body (REMB): National member body to interface with IECRE.

Inspection: Examination of a product, process, service, or installation or their design and determination of its conformity with specific requirements or, on the basis of professional judgment, with general requirements.

NOTE 1 Inspection of processes can include personnel, facilities, technology or methodology.

NOTE 2 Inspection procedures or schemes can restrict inspection to examination only.

Inspection Body (REIB): A body that performs inspection.

Installation: Period of time in the system life cycle during which a product is integrated into its operational environment and tested in this environment to ensure that it performs as required. Encompasses site preparation, staging, connection, and assembly

Installer: A person or entity who places or fixes equipment or machinery in position ready for use

Manufacturing: Process that encompasses fabrication and assembly in a factory or workshop

Manufacturer: An organisation, situated at a stated location or stated locations that carries out or controls such stages in the process of bringing a product to the market as manufacture, assessment, verification, handling and storage of a product.

A Manufacturer has full responsibility for continued compliance of the product with the relevant requirements and undertakes all obligations in that connection.

Modification: A new installation or changes to an existing installation, which changes the original design/specification

National Differences: Those requirements or test parameters in the corresponding national standard which, when applied to equipment complying only with the standard accepted for use in the IECRE, might entail noncompliance of that equipment with the relevant national standard.

Note 1: When a requirement in the IEC standard is not implemented in the corresponding national standard that is also a national difference.

Note 2: Those restrictive requirements in a national standard, which do not deviate from the criteria included in the corresponding standard accepted for use in the IECRE, but which limit the possibility to offer the relevant equipment for sale in the country concerned, are also considered to be national differences.

Operator: A person or entity who operates equipment, a machine, or plant.

Operational Documents: Normative documents approved by the REMC and used to cover the various operations within the IECRE and OMCs, such as applications, assessments, Test Report Format, etc.

The Operational Documents are used in conjunction with the IECRE Basic Rules and Rules of Procedure.

Power Block: An independent functional and modular, electricity producing system or configuration that is defined as a building block allowing for replication.

Project Certificate: Document issued by a RECB upon successful completion of project certification

RE Test Report (RETR): A report, utilizing the appropriate TRF, containing the results of a product investigation, measurement and test data, and all relevant attachments.

A RE Test Report covers the relevant test results, according to the requirements of the standard(s), including national differences, where requested, and all information necessary for identification of the product, such as type designation, ratings, description and photographs.

Test Report Form (TRF): A blank test report template prepared by a TRF originator according to the relevant Operational Document.

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.

Means re-validating of all essential parameters needed to ensure reliable and acceptable data.

Repair: Restoration of a unit or a piece of equipment to its original design/specification

Replacement: Substitution of a unit or a piece of equipment, in conformance with its original design/specification

Scope of RECB and its associated RETL(s): The standards for which the RECB and its associated RETL(s) have been formally accepted by the IECRE.

Note 1: The scope of the RECB and its associated RETLs is published on the IECRE website.

Note 2: The scope of the RECB is the sum of the scopes of its RETLs.

Standard Technically equivalent to IEC Standard: Technically equivalent standard means that even though the national standard is not officially declared as harmonized with the IEC requirements, all parameters have either the same or more stringent requirements (as declared by the RECB/Member Body).

Standards used in the IECRE Schemes: The IECRE is based on the use of specific IEC standards for electrotechnical equipment and components accepted by the REMC for use in the IECRE. Refer to the IECRE Website and/or Sector Rules of Procedure for a list of recognized IEC Standards.

Subcontractor: A supplier to a service organization in a contractual situation.

Surveillance: Systematic iteration of conformity assessment activities as a basis for maintaining the validity of the statement of conformity

Testing Laboratory (RETL): A testing laboratory which is accepted according to the IECRE Rules that performs testing services according to the IECRE conformity assessment system.

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 type according to specified procedures and requirements defined in the Certification Scheme(s).

Validation: Confirmation, through the provision of objective evidence, that the (stakeholder) requirements for a specific intended use or application have been fulfilled.

Verification: Confirmation, through the provision of objective evidence, that specified (system) requirements have been fulfilled.

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