1. What is IECRE
2. Goals
3. Organisation & membership
4. Quality Assurance
5. Implementation
What is IECRE
IECRE Sectors
IEC Renewable Energy is a conformity assessment system under the IEC

IECRE secures the correct implementation and execution according to selected international standards

IECRE does not write standards, this is left to the various technical committees such as TC82 (Solar PV Energy), TC88 (Wind Energy) and TC114 (Marine Energy)

However, when standards are unclear these may be clarified under IECRE to ensure a uniform interpretation
Goals
The IECRE goal is to offer a harmonized application around the globe, which ensures a uniform:

1. implementation and mutual recognition between certification bodies and test labs

2. implementation and delivery of information by suppliers, sub-suppliers, end users and others providing documentation for certification

3. implementation and clear understanding of all suppliers, sub-suppliers, end users and other applicants for the elements and modules as well as reports, statements and certificates of the certification processes
IECRE Structure

IEC CONFORMITY ASSESSMENT BOARD, CAB
Oversees IEC Conformity Assessment policy and Systems, eg IECEx, IECQ, IECRE

IECRE Management Committee, REMC
Overall management of the IECRE System
- National Members (Countries)
- Officers + Executive, Scheme Chairs, IEC Gen. Sec
- Expert Working Groups (WGs) – as needed

IECRE Secretariat
Technical Support
Administration

WE OMC
Wind Energy
Operational Management Committee
- National Members
- TC 88 + SC Liaison
- Committees + WGs

ME OMC
Marine Energy
Operational Management Committee
- National Members
- TC 114 + SC Liaison
- Committees + WGs

PV OMC
PV Solar Operational Management Committee
- National Members
- TC 82 + SC Liaison
- Committees + WGs
Balancing Multiple Competing Interests

International Harmonization

National (Member Bodies)

Commercial (Expert WGs)

Market (Stakeholder SGs)

Harmonized Stakeholder Voice

Greatest Value

Commercial Harmonization
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As per IECRE website on 14 Dec 2015
IECRE Working Groups

Various working groups at IECRE as well as sector level, such as:

WG001: Maintenance and Development of IECRE Rules
WG003: Customer Testing Laboratories
WG007: Personnel certification
WG360: Certification scope
WG402: Assessment procedures
WG501: Rules of Procedure

All in all 5 working groups at IECRE level, 3 for Marine Energy, 3 for Solar PV energy and 2 for Wind Energy
Apart from the expert-based working groups, we have also established stakeholder groups, especially for the wind energy sector:

- Certification Bodies
- Test Laboratories
- Original Equipment Manufacturers
- End Users
- Small Wind
Quality Assurance
Benefits of Conducting Conformity Assessment thru IEC

• IEC Brand
  • Global recognition - industry
  • International recognition, eg WTO + UN
  • IEC Reports and Certificates used Nationally

• Open and Transparent Process
  • Clear Rules
  • Transparency in process and results

• Industry have a say and provide direct input.
• Consistency in CA processes among participating Certification/Test Bodies
• Provide a global framework for independent assessment and certification of equipment and services associated with Renewable Energy applications

• Types of Certificates have yet to be defined
Recognition

- Certification Bodies and Test Laboratories develop in-depth rules for quality assessments
- Review by stakeholders, experts and member bodies to create a strong, widely accepted set of rules
- Decision by member bodies
- Implementation through peer assessment
Implementation
Transition period

- Transition to the new CA system started in spring 2014
- Inaugural meeting in Boulder, September 2014
- Currently developing the rules of the system with acceptance from all industry parties
- First certificate expected later this year
- Transition period ends August 2017
Assessments

- 10 certification bodies
- 21 test laboratories
- First test lab assessment in two weeks
- Certification body assessments will start in a few weeks
- Assessment procedure is designed & expected to reduce difference in interpretation of the standard as well as check for proper application of the standards
Thank You