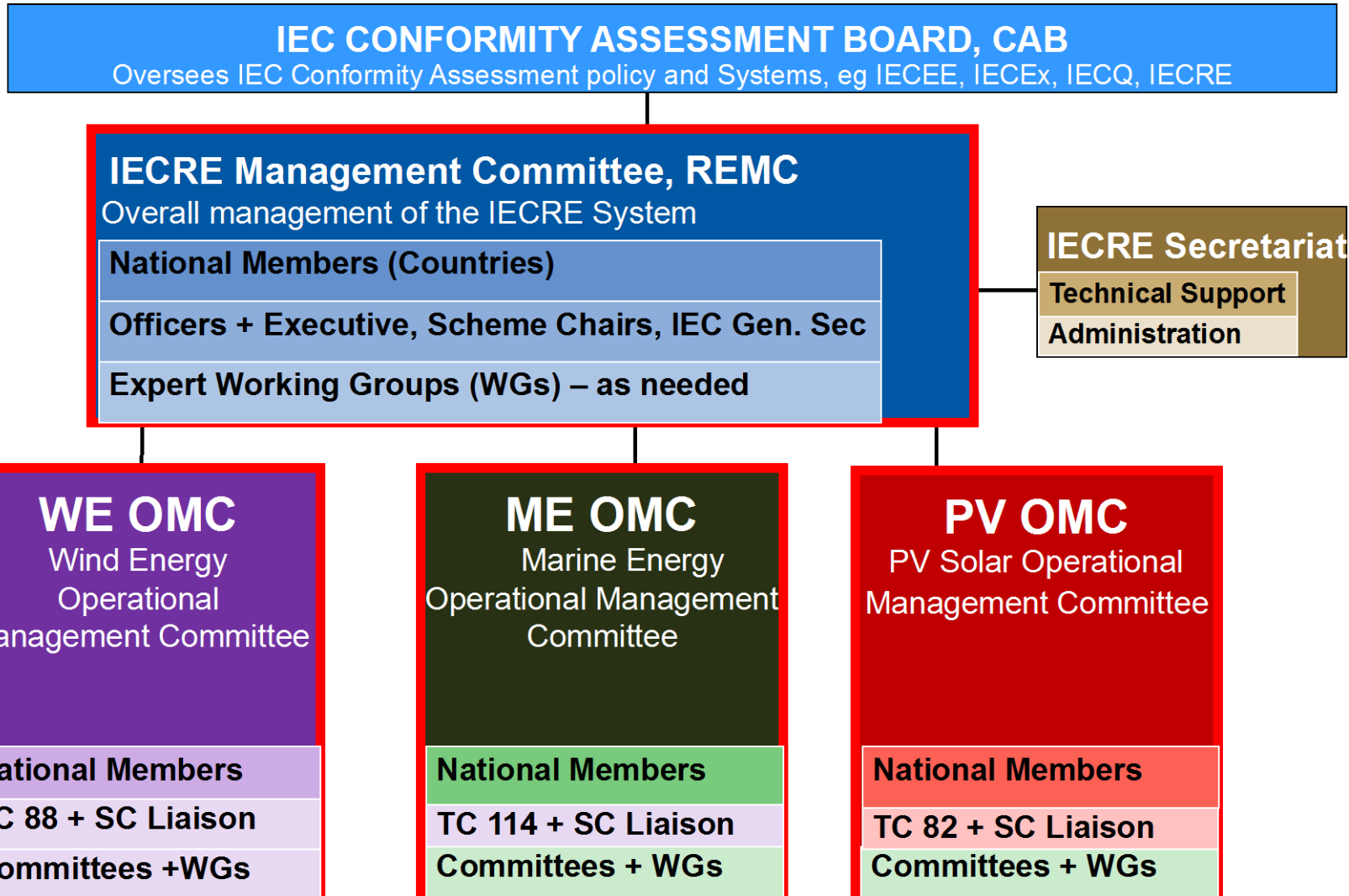


Update on Start of IECRE WG009 on Grid Code Compliance Certification

Input to the European Stakeholder Committee on Grid Connection
Bernhard Schowe-von der Brelie, EFAC/VAZ, FGH

Brussels, 13 DEC 2018

IECRE WG009 – Background



Scope (initial meeting SEP 18)

- To establish an **international certification procedure** (scheme) that completely covers the requirements of Equipment Certificates (EqCs) in the context of the RfG and its MSs' implementations
- Scheme shall propose **good practise**, hence, enabling **international acceptance by system operators**
- Close **involvement of system operators** for interpretations and explanations on RfG requirements as well as for recommendations on assessment criteria, testing procedures, tolerances etc.
- Killing wrong rumors and assumptions on certification
- Initiating joint workshops

Defining Terms of Reference (TOR)

- to **reach out to system operators** in the member countries through the member bodies to participate in the WG009 and establishing Liaisons between IECRE and relevant external organisations
- to specify guidance for **acceptance criteria** for RE-Certification Bodies and RE-Testing Laboratories within IECRE for grid code compliance certification
- to prepare new Operation Directions for **harmonized certification, testing and simulation model validation** in the field of grid code compliance
- to establish **references to IEC standards and committees** related to grid code compliance
- to propose a **mechanism on how to integrate** biofuel driven combustion engine generating sets, combined heat and power (CHP) generation, storage systems and other renewable energies

Other issues addressed

- Get overview on existing certification procedures
 - Provide toolbox on different grid code compliance approaches (certification, self assessment, type-testing, inspections, simulation, ...)
 - Provide flow charts on type, component and project certification
 - Provide input on possible classes to distinguish compliance' quality levels
- How to integrate non-renewables into the scheme
- Options of an „umbrella“ (all-in-one)-certificate vs. individual grid code certificates
 - Hence, options for an overall „RfG-Certificate“
- Distinction of components vs. PGU; definition of equipment
- Integration of the new scheme into the overall IECRE regime
- Establishing liaisons to user groups / non-members, especially system operators
- Exchange with IEC TC 8, TC57, ENTSO-E
- Defining sub-groups on above issues

IECRE WG009 – Status Quo and Next Steps

Status Quo

- Approval of IECRE to start working on a certification procedure pending until early 2019 due to missed quorum on REMC-meeting in China, NOV 18; correspondence-voting in progress
- Actions / modifications proposed by REMC (not yet approved)
 - Add RE Inspection Bodies and RE Customer Testing Facilities to the TOR (Item 2)
 - Further discussion on inclusion of non-RE needed; close collaboration with WG008 on hybrid / microgrid systems recommended
 - WG maybe renumbered to WG010

Next Steps

- Start „real work“ in defined subgroups by JAN/FEB 19
- Invite stakeholders to contribute to the WG
- Establishing liaison between ENTSO, EFAC and IECRE

IECRE WG009 – Contact & Further Information

- Sub-group on IECRE-WG009 / ENTSO-E co-operation:
Frank Martin (SIEMENS), Tobias Gehlhaar (DNVGL);
Ralph Pfeiffer, Knud Johanson, Ioannis Theologitis
- For WG009 scope:
http://iecre.org/committees/remc/remc_wgtf.htm
- For WG009 contacts:
<http://iecre.org/committees/remc/wg009/>
Convenor: Tobias Gehlhaar (DNVGL)
- General informations on IECRE:
<http://www.iecre.org/documents/presentations/>
- Bernhard Schowe-von der Brelie, EFAC/VAZ, FGH
b.schowe@vaz-ev.de