

EG HCF - Harmonization of Product Family Grouping and Acceptance of Equipment Certificates at European Level

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Current Status

Sub Group Work Status

I.- Questionnaire for existing EU compliance processes (Led by Søren Stig Abildgaard)

1. The differences between implementations are great, so no clear best practice could be identified
2. The most developed certification systems could be used as best practice, but they are built around national institutions; similar institutions are not necessarily present in other Member States.
3. There is still no agreement on a basic understanding of concepts like PGU requirements and PGM compliance.
4. It's difficult to find the correct TSO/DSO representative or responsible person for this area.
5. In some member states, certificates from others are accepted.

II.- Simulation model for FRT to be used at EU level (Led by Luca Guenzi)

- General guidance on the model definition, parameter/settings, validation process are included
- FRT capability check using the model as well as the use of encrypted models and black boxes are covered

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III.- Harmonized approach for equipment certificate for Type A (Led by Giuseppe Dell'Olio)

- The approach is centered in PGUs
- Type A requirements can be transferred from PoC to unit terminals
- The approach is to compare capability to each country-specific threshold to the unit's capability
- A certificate issued for an individual requirement may replace the test for that requirement

IV.- Harmonized approach for certification acceptance (definition of types and testing) (Led by Bernhard Schowe-von der Brelie)

- Concepts: PGU, component and PGM certificates
- Overview of certification scheme, requirements for equipment certificates
- Scheme on prototype definition and declaration
- Measures to Increase the Acceptance of PGU & Component Certificates
- Touch on pathways to PGMD and Compliance Schemes on PGM Level by applying equipment Certificates

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V.- Family definition (Led by Freddy Alcazar)

- Overview on EU level approaches on Family definition
- Proposals on family definition for:
 - SPGU
 - PPM – Wind power-generating unit (Wind PGU)
 - PPM - Inverter based PGU (photovoltaic or other non-wind)
- The proposals include
 - the effects on main component changes (which additional tests or analysis are needed)
 - Applicability range based on testing of a single member including a higher quality simulation model validation approach
- Transferability of capabilities within the family and needed evidence support
 - Active power controllability and control range
 - Reactive power capability and control modes
 - Dynamic behavior capability
 - Other capabilities
 - Capabilities under investigation

Current Time Line Proposal

Overview

timeline and Deadlines

