

Expert group: Harmonization of Product Family Grouping and Acceptance of Equipment Certificates in European Level

Draft Revision 1.0

Chair: TBD

Vice-Chair: TBD

Problem Statement

On XX 2021, the Grid Connection European Stakeholder Committee (GC ESC) has decided to establish an expert group on Harmonization of product family grouping and acceptance of equipment certificates.

Since the publication of NC RfG, many European nations have adopted the ENTSO-E guidelines and have defined accordingly compliance testing and certification requirements.

The practical implementation proves that the certification process is a good method to ensure grid code compliance before connection.. However, each nation has an individual approach, thus the manufactures of type tested, mass produced products are obliged to involve themselves in repeating tests and certification processes in different nations that can prove both time consuming and expensive, having a negative impact on project plausibility and causing considerable delays to connection permission.

Target (objectives)

One part of the EG's task is to:

1. Clarify various types of certification definitions, e.g. equipment certificate, component certificate etc.
2. Understand the existing EU certification schemes which includes:
 - Certification requirements and specifications applicable in the member states (including certification, test procedures and test validation criteria). e.g. Germany FGW TG8, CEO 0-16 Annex Nter, EN_NormaTecnicaSupervision631_v2.1
 - European Standards regarding certification including
 - ISO 17025 General requirements for the competence of testing and calibration laboratories,
 - ISO 17065 Conformity assessment - Requirements for bodies certifying products, processes and services,
 - ISO 17067 Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes
 - Existing schemes for conformity with EU-Directives in other fields, such as the new legislative framework for the CE-Directives.
 - Draft EN 50549-10 Requirements for generating plants to be connected in parallel with distribution networks — Part 10: Tests for conformity assessment of generating units, especially clause 4.4 Configuration range and parameter sets
 - Existing and currently developed schemes in IEC RE WG10,

Based on a common understanding of the items listed above, the objective of the EG is to:

- 44 1. Provide a path for the creation of EU harmonized testing strategies and proof of compliance
45 methods as well as a proposal on key criteria to meet requirements in RfG, taking into account
46 existing strategies in other sectors of EU regulation.
47
- 48 2. Define an equipment certification process according to Nc RfG Type A, B, C, D with progressive
49 classification. i.e. Type B equipment certificate covers Type A certificate, and so forth.
- 50
- 51 3. Define a common product family definition and grouping criteria for an equipment certificate.
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- 53 4. Provide a path for a harmonized European approach to accept validated simulation models and define
54 their recommended scope of use to substitute equipment testing.
55

56 **Legislative background**

57 Links with current CNC provisions

58 REGULATION (EC) No 765/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9
59 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of
60 products and repealing Regulation (EEC) No 339/93NC RfG Article 1; DECISION No 768/2008/EC OF
61 THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 July 2008 on a common framework for
62 the marketing of products, and repealing Council Decision 93/465/EEC; Item 47: equipment certificate
63 definition, and Title IV article 40 to article 59

64 Corresponding country grid codes with relevant information

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66 **Deliverables**

- 67 • Report about existing certification schemes in member states
68 • Recommendation on testing scope and family grouping definition
69 • Recommendation on certification specification and procedure
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71 **Timing**

- 72 • estimated 12 months from Nov 2021.
- 73

74 **Team (update XX.XX.2021)**

75 The following nominations to participate in EG XX have been received (name and association):

<i>Name</i>	<i>Organisation</i>	<i>Representation at GC ESC</i>

76

77 **Estimated workload**

- 78 - Monthly webinars,
 79 - Additional webinars on requests,
 80 - commitment of XX days per member.

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82 **Target audience**

- 83 • GC ESC
 84 • Relevant and/or interested stakeholders on the Connection Network Codes