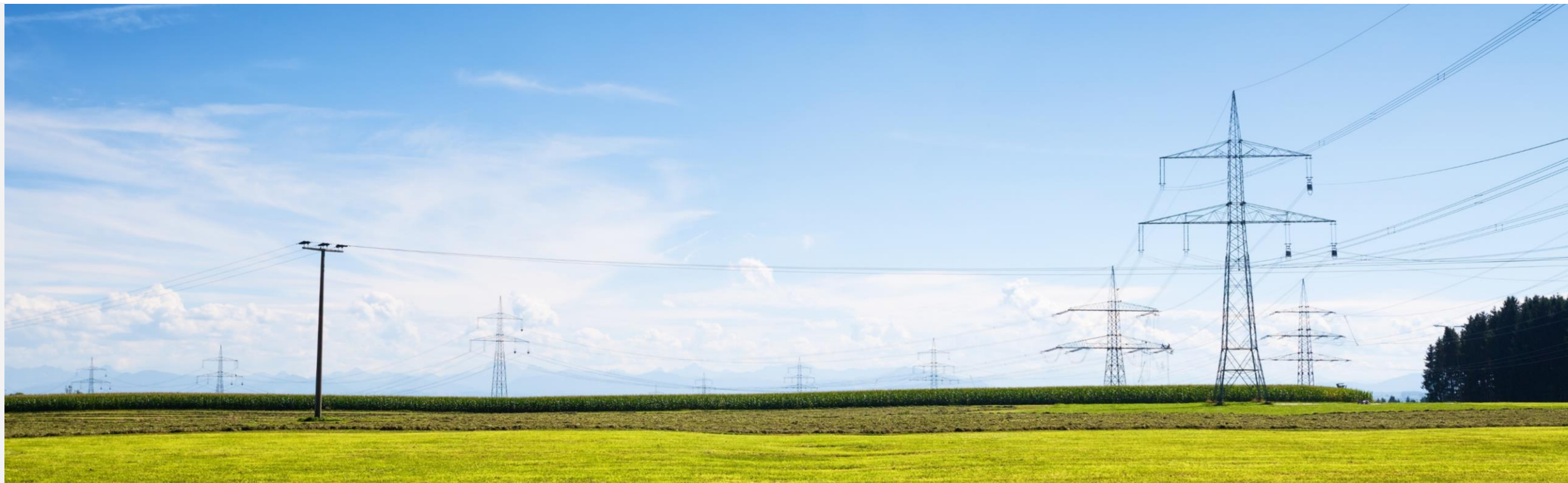


# ENTSO-E CNC revision of IGD on Compliance Testing & Monitoring

TOP.3

19th GC ESC meeting, 17 September 2020



Knud Johansen, ENTSO-E

# IGD: Compliance Testing and Monitoring – renaming and splitting

- **Topic of IGD:** The intention of this document is to guide TSOs for national implementation of the network codes on grid connection focusing - compliance verification.
- The IGD review have been in progress since 2019 when discussions with the IECRE on Equipment Certificates were initiated
- The IGD title will be renamed to “Compliance verification - ...”
- The IGD from 2017 will be split into three IGDs as described below.
- **Revision performed:**
  - Splitting of the 2017 IGD into three IGDs:
    1. IGD named “Compliance verification – testing and applying Equipment Certificates (EqC)”
    2. IGD named “Compliance verification – electrical simulation models” – coordination with results from EG ISSM will take place
    3. IGD named “Compliance verification – monitoring after Final Operational Notification (FON)”
- **Status:** in progress – The splitting process for the IGD have been on-going since July 2020 as agreed with the IECRE working group 10 as it was realized that the initial IGD needed clarification on several aspects.
- The revision actions on the current IGD is described on the next slide.

# IGD: Compliance verification – testing and applying EqC” – revision actions

IGD Compliance Testing and Monitoring → IGD Compliance verification – testing and applying Equipment Certificates (EqC)” – the following actions are implemented and in discussion:

- Clarify terms and definitions applied in compliance verification
- Clarify point of certification / point of verification / point of evaluation / point of connection
- Clarify the hierarchy of applicable certificates in the compliance verification
- Clarify the relation to currently issued “unit certificates / type certificates”
- Clarify EU NC requirements on compliance using testing
- Clarify EU NC requirements on compliance applying EqCs
- Clarify with the standardization bodies how a global harmonized guideline for issuing EqCs according to the EU NC requirements for grid connection could be established

The road map on next slide describes the planned process.

# IGD: Compliance verification – revision roadmap

## Road map:

1. The first IGD - “Compliance verification – testing and applying Equipment Certificates (EqC)” is currently in discussion with the IECRE group focusing the EqC – estimated release of the IGD for public consultation - Q4, 2020.
  - ❖ Intention to host a workshop in Q4, 2020 with the TG Compliance and GC ESC members with interest in the topic.
2. The second IGD - “Compliance verification – electrical simulation models” is intended to be created and released in corporation with the activities under the ENTSO-E StG CNC\* and after the GC ESC project on “Interaction studies and simulation models PGM/HVDC” (EG ISSM) – estimated release of the IGD for public consultation - Q4, 2021.
  - ❖ Intention to host a workshop in Q4, 2021 (TBC)
3. The third IGD - “Compliance verification – monitoring after Final Operational Notification (FON)” is intended to be created and released by StG CNC in coordination with experts from System Operations – estimated release of the IGD for public consultation - Q3, 2021.
  - ❖ Intention to host a workshop in Q3, 2021 (TBC)

\*ENTSO-E StG CNC - **Steering Group Connection Codes**

# IGD: Compliance verification

