ENTSO-E CNC Implementation updates

TOP.2 21th GC ESC meeting, 09 March 2021



Ioannis Theologitis, ENTSO-E



CNC Implementation Monitoring



CNC Implementation Monitoring – March 2021 status



Submitted for approval Non EU MS - implementation under different framework No proposals

The CNC monitoring report of 2020 can be found <u>here</u> and the attached monitoring file <u>here</u> No further changes in the Active Library

Revised IGDs – feedback from the public consultation 2 Dec 2020 – 31 Jan 2021

- 1. Autonomous connection/reconnection and admissible rate of change of active power
- 2. Demand Response System Frequency Control
- 3. Parameters of Non-exhaustive Requirements
- 4. Maximum Admissible Active Power Reduction at Low Frequencies
- 5. Frequency Ranges
- 6. Compliance Verification Compliance Testing and Use of Equipment Certificates



IGD revisions



An ENTSO-E legal mandate according to Article 58 (NC RfG), Article 56 (NC DC) and Article 75 (NC HVDC)



The revised IGDs include:

- Additional clarifications that were provided during the exchanges with stakeholders, mainly at Grid Connection European Stakeholder Committee level.
 ENTSO-E has been asked through Q&As to detail some aspects further and doing so the subsequent decision was to ensure consistency of ENTSO-E's position/reply in different publicly available material.
- Needed editorial changes and format changes that were necessary considering the different publication time.
- IGD on Compliance Verification Compliance Testing and Use of Equipment Certificates has ben subject to more substantial revisions.



Consultation results - overview



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Outer rings:

Do you consider this IGD helpful? - Reasonably support the national implementation process

Inner rings:

Does the content of the IGD cover the technical issues of this topic appropriately? technically appropriate?

IGD on Autonomous connection/reconn ection and admissible rate of change of active power

IGD on Demand Response – System Frequency Control



33%

IGD or Admis Power at Low

IGD on Maximum Admissible Active Power Reduction at Low Frequencies



IGD on Frequency ranges



IGD on Parameters of Non-exhaustive Requirements



IGD on Compliance Verification – Compliance Testing and Use of Equipment Certificates



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Overview of planning until June 2021



Overview of planning until June 2021

- Continuation/Finalisation with the work of the Expert Groups:
 - Baseline for type A power-generating modules (EG BtfA)
 - Criteria for significant modernisation (EG CSM)
 - Interaction Studies and Simulation Models (EG ISSM) for PGM/HVDC

For all EGs a public space is available <u>here</u>

- Assessment of consultation feedback for the revised IGDs publication of Response to the consultation and the final versions of IGDs.
- Continuing the developments on the IGDs for compliance verification.