

EU DSO Entity Update ESC SO 20th March 2025

Florentien Benedict



Overview

- **1. Grid Forming Capabilities, guidance document**
- 2. Expert Group on Certification EV EVSE and HPs
- 3. DSO entity's view of the expected timeline to EC
- 4. Summary of DSOs reviews on Grid Connection NCs to EC
- 5. Document on Electric Vehicles Definition

1. Grid Forming Capabilities, guidance document

- Document: Guidance for DSOs on Grid Forming Roadmaps
- Guidance on DSO Risk-Assessment Input to national Roadmaps for adapting Distribution Systems to high penetrations of Grid Forming Power Park Modules
- This document has been written by the EU DSO Entity with the aim of assisting DSOs assess the risks and issues associated with accommodating grid forming power park modules (GFC PPM) within distribution systems.
- Tony Hearne will present

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2. Expert Group on Certification EV, EVSE and HPs

- Expert group Certification EV, EVSE and Heat Pumps:
 - Mike Kay, chair
 - Erno Levaniemi and Florentien Benedict, co-chairs
 - 55 experts
- The draft NC RfG 2.0 includes the mandatory certification of vehicle-to-grid EVs and associated EV supply equipment.
- Similarly the draft NC DC 2.0 requires the mandatory certification of V1G EVs and associated EVSE and heat pumps.

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3. DSO entity's view of the expected timeline to EC

- Letter from DSO Entity on our view of the expected timeline for entry into force of the Connection Network Codes 2.0. (17-01-2025)
- We have asked the Commission's help to prevent entry into force to slip any further into the future.
- Without up-to-date European regulations in this area, member states, or even individual system operators, will be forced to adapt in individual and non-harmonized ways.
- For example, member states are already having to develop approaches to accommodate electricity storage at all scales including domestic, electric vehicles, and power-to-gas installations.

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4. Summary of DSOs reviews on Grid Connection NCs to EC

- Summary of DSOs reviews on Grid Connection NCs in email to Commission (5th February 2025)
- DSO Entity have shared a summary of all our views integrated into one single document on NC RfG and NC DC revisions
- Appendix A (NC RfG) and Appendix B (NC DC) are the complete final overviews of all proposals from EU DSO Entity, for convenience and clarity all summarized per Network Code in order of the articles.
- As this is a consolidated set of our detailed comments, the previous submissions can be ignored.
- The final submitted version is included in the ESC GC documents on ENTSO-E's website.

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5. Document on Electric Vehicle Definition

- The Scope of the Definition of Electric Vehicles
- The short document is about the definition of an electric vehicle for the purposes of understanding the application of the NC RfG 2.0 and NC DC 2.0.
- It is intended as a briefing for all stakeholders, but particularly for DSOs and for EV and EVSE manufacturers.
- Please mind that this short document is based on the EU DSO Entity's understanding of the intent of the legal draft of the Network Codes.

Questions?

Please contact us!