

EG on Certification

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Progress since the last ESC GC

- The EG has now met three times since the last ESC GC, with the last meeting being on 27 May.
- Both the EV/EVSE and the HP workstreams have continued to meet, formally 9 times for EV/EVSE and 3 times for HP (noting that the overall meeting duration time is similar given the shorter duration of EV/EVSE meetings).
- The balance of work between the two workstreams is currently different:
 - the EV/EVSE workstream is necessarily concentrating on identifying the remaining issues to be resolved that are linked to the relevant standards, to ensure interoperability, whilst expecting to be able to rely on a modified EN50549-10 for most of the NC RfG 2.0 compliance requirements;
 - the HP workstream has been able to concentrate on the testing requirements for NC DC 2.0 as there is no obvious existing EN to link to.
- Following ACEA's discussions with the Commission in the margins of the March 2027 ESC GC, the EV/EVSE workstream concentrated in April on creating a draft technical annex for the NC RfG 2.0
- The task of creating a technical annex immediately threw up a number of issues where the WS thought that additional guidance from the Commission would be needed. The EV/EVSE workstream wrote these up into a letter to the Commission, and included some points from the HP workstream that are common to the certification requirements of EV/EVSE and heat pumps.

Letter to the Commission

- This was sent to the network codes and heat pump experts in DG ENER, cc ACER, on 29 April 2025. It covers:
 - The function split between EV and EVSE;
 - Progress on product standards for EV/EVSE and heat pumps;
 - Interoperability requirements for EV/EVSE;
 - Route to certification – ie as drafted in NC 2.0 or via other legislative routes (ie CE marking and vehicle homologation);
 - The scope of certification.
 - It includes specific recommendations for the above issues.
- The letter encompasses the actions on the Expert Group for further interaction with DG ENER noted at the 19 March ESC GC.
- No direct response has been received to date, although we are expecting to understand the context for progress at this ESC GC meeting.

EV workstream progress

- Progress continues on creating a technical appendix which may be incorporated into the NC RfG 2.0.
- In spite of weekly and bi-weekly meetings, a number of issues are not yet resolved and are still being developed, including:
 - The split of functions between the EV and EVSE.
 - The determination of maximum output, maximum consumption and what value droop should be based on considering all the EV/EVSE combinations for both V1G and V2G
 - High level approach for the determination of compliance with the RfG functional requirements, particularly including all those required for interoperability.
 - Protection of functionality of pre NC 2.0 EVs and EVSE.
- Although taking longer than hoped, the above issues are fundamentally important and need to be resolved.

Ownership of Compliance/Certification Schemes

- As part of the development of the technical annex, the issue of compliance scheme ownership has been discussed. The NC RfG 2.0 and NC DC 2.0 place responsibility on each relevant system operator (ie 2500+ in the EU).
- However for efficient certification and interoperability, schemes need to have a common core, and minimal additional requirements for local grid codes.
- The workstream is discussing how this may be managed in the short and long term by using the joint legal responsibilities of system operators and the formal constitution of the ESC.
- In short it is proposed that the legal constitution of the ESC, and its convening power, be the formal basis for engaging stakeholders, especially those with statutory duties (ie the RSOs) to support the ongoing process.
- This development may turn out to be unnecessary should the Commission agree to include EV/EVSE certification within the CE marking and vehicle homologation legal requirements.

HP workstream progress

- The workstream has completed a first draft of a test specification for heat pumps, addressing the NC DC 2.0 requirements.
- This has now been circulated to the Expert Group on 10 May.
- There are some definite gaps to fill in the specification, but it was thought to be useful to show progress and to invite comments on the approach taken thus far.
- As an indication of progress it has also been shared with heat pump experts within DG ENER. DG ENER has indicated that a suitable test specification might be included as a technical annex to the NC DC 2.0

HP Workstream – help from ENTSO-e

- Some aspects relating to the implementation of LFSM-UC by random disconnection proved confusing to the workstream, and clarification was sought from ENTSO-E by letter, with a follow up meeting held on 16 May.
- The workstream found the meeting helpful, but has yet to digest all the implications for the test specification.