

Hybrid GRPE workshops
on the future of power determination regulations
23 May 2024
Meeting Minutes

1. Mr. Rijnders, Chair of GRPE, opened the workshop and welcomed the participants. After that he made a short announcement about the sad news of the passing away of Edwin Bastiaensen (IMMA Secretary General).

Session 1

2. The representative of the Informal Working Group on Electric Vehicle and the Environment (EVE) introduced latest information about the development of UN GTR No. 21 and expected evolution in the near future.
3. The representative of China introduced a brief update on the regulatory framework in China with respect to power determination, as detailed in document “Session 1 – China”¹, available on the webpage of the workshop.
4. The representative of the Republic of Korea introduced a brief update on the regulatory framework in Republic of Korea with respect to power determination, as detailed in document “Session 1 – Republic of Korea”, available on the webpage of the workshop.
5. The representative of the European Commission briefly updated GRPE on the intentions of the EC with respect to the transposition of UN GTR No. 21 in the European Union. He insisted on the strict and tight timeline that has been agreed in the region to fulfill the newly adopted Euro 7 requirements.
6. The representative of OICA introduced “Session 1 – OICA” on potential options with respect to the future of power determination regulations at UNECE. He presented several options that GRPE discussed during the workshop.
7. The representative of OICA summarized that there are three parallel workstreams on power legislation that are on-going:
 - a. The EU intention to transport UN GTR No. 21 for their regional needs
 - b. The willingness to transpose Un GTR No. 21 into legislation under the 1958 Agreement
 - c. The plan of the IWG on EVE to continue the development of UN GTR No. 21 as detailed in their Terms of References.

He added all three workstreams needed to occur simultaneously, highlighting the challenging nature of such task. He suggested to put efforts now on the transposition of UN GTR No. 21 into a new UN regulation.

8. The representative of the Republic of Korea supported the proposal of OICA and asked whether the intention was to transpose the original or the Amendment 1 to UN GTR No. 21. The representative of OICA noted the request for clarification and explained a decision has not been taken on the matter.

¹ All documents can be found in : <https://unece.org/transport/events/grpe-hybrid-workshops?accordion=3>

9. In order to help with regional needs and to ensure global harmonization, the Chair proposed to develop a working document for a new UN Regulation transposing UN GTR No. 21 for the next session of GRPE in October 2024. GRPE agreed with the proposal from the Chair and aimed to develop such working document by the submission deadline of 22 July 2024 with the support of all interested stakeholders.

Session 2

10. The representative of Fastned, as a member of AVERE and invited by the Chair, introduced the latest activities on EV recharge power curve as detailed in “Session 1 – Fastned”. He noted the different technical approaches by different OEMs to manage charging power depending on actual state of charge of the battery and other parameters such as ambient temperature.
 11. The representative of OICA requested further information on the potential change in customer behaviour to get higher charging speeds. The representative of Fastned said that customer were recharging starting from lower battery state of charge once the trust in vehicle battery gauge increased, reaching higher recharging power that are usually available at lower battery state of charge levels.
 12. The Chair of the IWG on electric Vehicle and the Environment (EVE) requested some indications about how to tackle this topic in the future within the framework of GRPE. He also shared some information about activities on-going in California where a ZEV label is being developed by CARB that might contain some information regarding recharging power of electrified vehicles.
 13. The Chair proposed to consider the topic again during the next session of GRPE in October to get further decisions on the way forward with this activity. GRPE agreed with this proposal.
 14. The Chair closed the GRPE workshops.
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