

IWG on Electromagnetic Compatibility (IWG EMC)

Status report to GRE-86

April 2022

IWG EMC - Status Report

Terms of Reference for new IWG-EMC - GRE-86-10:

- Work plan and time schedule:
 - formal proposal to be presented in GRE October 2022 session.
 - According to workload, the group thinks to extend to GRE April 2023 session.

Transitional Provisions - GRE/2022/06:

- The proposed changes could have some effect on conventional ICE vehicles.
- The group decided to withdraw the proposal from GRE agenda.
- For 07 series, to carefully check the transitional provisions.

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Draft proposal for 07 series of Amendments to UN R10: **GRE-86-18**

- New agreed requirements since October 2021:
 - To add for two-wheeled vehicles, a non-conductive insulating support in several Annexes.
 - Annex 4 – Appendix 1: deletion of figure 2b.
 - Definition of total vehicle length in Annex 5, paragraph 4.6.

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Draft proposal for 07 series of Amendments to UN R10:

- Items under discussion (1/2):
 - Charging cables:
 - Applicability of R10 to charge cables; considering eliminating differential treatment of mode 2 cables supplied with the vehicle and those purchased as after Market.
 - Clarify if the charging cable is an ESA.
 - "REESS charging mode coupled to the power grid" are define since R10.04.
 - ➔ A workshop (specific working session) is planned with interested participants of IWG EMC.
 - AVAS: Inclusion of a dedicated test and define the test criteria.
 - ESD: test requirement introduced by Contracting Parties. Maybe for future 08 series of UN R10. However, NL would prefer to include it into the 07 series. OICA experts stated ESD outside the vehicle is covered by UN R161, R162, R163.
 - eCall: A test method and acceptance criteria to be added but there is no agreement on the test details. Some Contracting Parties suggested that GRE should request guidance from GRSG.

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Draft proposal for 07 series of Amendments to UN R10:

- Items under discussion (2/2):
 - Immunity below 20MHz: the majority of Contracting Parties suggested to discuss this topic for a future 08 series of Amendments of UN R10.
 - Immunity test to be extended from 2 to 6GHz – There is no agreement on alternative test methods for long and/or wide and/or high vehicles: CZ will develop a detailed proposal. A possible workshop on this item could be set up.
 - REESS test procedure: to consider the minimum current value: 16A or 20A.

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Other Topic:

- Market Surveillance:
 - Items introduced by Germany.
 - The group agreed to add this new items in the IWG EMC agenda.