

IWG on Electromagnetic Compatibility (IWG EMC)

Status report to GRE-88

April 2023

IWG EMC - Status Report

Draft proposal for 07 series of Amendments to UN R10:

- New agreed items since October 2022:
 - Flowchart regarding test methods for long (12m) / wide (2.6m) / high (4m) vehicles in Annex 6, paragraph 1.4
 - An input current of at least 16 A for DC charging, unless another value has been agreed with the type-approval authorities in Annex 6, paragraph 2.2.1.2 and Annex 15, paragraph 2.1.2 and Annex 16, paragraph 2.1.2
 - Implementation of eCall as immunity related function in Annex 6, paragraph 2.1.1.2

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Draft proposal for 07 series of Amendments to UN R10:

- Items under discussion(1/2):
 - ESA charging cables: A draft table has been developed, which contains requirement for charging modes for each annex. Flowcharts have been set up for further clarification. Further discussions are still pending.
 - Immunity test method up to 6GHz: Modulations up to 6 GHz were presented, discussed and are supported by the IWG. Further exchange is planned, with some values still under discussion.
 - ADS: Definitions have been added, which are based on ECE-TRANS-WP.29-2022-58 “New Assessment/Test Method for Automated Driving (NATM) Guidelines for Validating Automated Driving System (ADS)”

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Draft proposal for 07 series of Amendments to UN R10:

- Items under discussion(2/2):
 - Normal conditions of use: Proposals on this topic were presented and discussed. A two-step approach was considered as an option. A dedicated workshop was scheduled for this topic to elaborate a first step and possibly develop a long-term plan.
 - eCall: The guidance of the GRSG was endorsed. Further specifications are important for the test procedure (discussion will continue).

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Future planning and outlook:

- Next IWG session on the 9th of May
- Workshop on normal conditions of use on the 17th of May
- Prepare the final draft of the 07 series of amendments as a working document for the 89th session of GRE by end of July 2023