

IWG on Electromagnetic Compatibility (IWG EMC)

Status report to GRE-89

October 2023

IWG EMC - Status Report

Draft proposal for 07 series of Amendments to UN R10:

- New agreed items since April 2023 (1/2):
 - ESA charging cables: A draft table has been developed, which contains requirements for charging modes for each annex.
 - Immunity test method: Extension of the frequency range from up to 2 GHz to up to 6 GHz in Annex 6, paragraph 1.3. and 1.4.
 - ADS: Definitions have been added and implementation of ADS 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:

- New agreed items since April 2023 (2/2):
 - Normal conditions of use: A test plan shall define the minimum number of steady state operating conditions of the vehicle in paragraph 6.1.2. and 7.1.2. These test conditions shall consider multiple propulsion system operating strategies.
 - List of references: The reference list was revised and set to the current technical status. Some new references were not adopted due to technical concerns.
 - Unique Identifier: The use of a unique identifier was discussed determined not to be appropriate for UN regulation No. 10.

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Draft proposal for 07 series of Amendments to UN R10:

- Open points:
 - AECS / eCall: Several proposals were presented in the working group. Currently, the working group favors the proposal IWG-EMC-39-07. A workshop was held in Spain, which showed the possibilities of implementation and contributed to the clarification of AECS / eCall. Based on the workshop, a new proposal is currently being developed.
 - Transitional provisions: A requirement for a minimum series of amendments for components and the mandatory period was discussed in the group. Some participants advocate a period of 3 others instead of 5 years.

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Future planning and outlook:

- If there is no agreement in GRE on the two open points, they will be finalized for the 90th session of GRE.
- The group is already working on the 08 series of Amendments and it will be needed to extend the mandate of the IWG.