

Terms of Reference and Rules of Procedure for the Informal Working Group on "Electromagnetic Compatibility" (EMC)

I. Introduction

1. At its seventy-fourth session, GRE agreed to create a Task Force; as suggested by the Chair of GRE and OICA, that will tackle the issue related to Electromagnetic Compatibility and possible inclusion in UN R10.
2. Since the first session of the TF-EMC on 27th of January 2016, no Contracting Party had expressed the wish to chair the TF. OICA had taken the responsibility of the secretariat task until now.
3. At its eighty-fifth session, given the importance of the EMC-related activities, GRE agreed that in 2022 TF-EMC should be upgraded to an Informal Working Group on Electromagnetic Compatibility (IWG EMC).
4. GRE invited experts from Contracting Parties to nominate a Chair for the future IWG EMC (ECE/TRANS/WP.29/GRE/85 8) and requested TF EMC to prepare draft Terms of Reference of IWG EMC for consideration at the next session in April 2022.
5. Germany had expressed their intention to chair the IWG EMC and will indicate candidate.

II. Objective

6. The objective of the informal working group is to review the current suite of electromagnetic compatibility requirements and to develop within the framework of UN Regulation No. 10 a proposal to:
 - a). Ensure electromagnetic compatibility
 - b). Define the essential requirements in performance (technology neutral) terms to provide opportunities for innovation.
 - c). Limit the measurement workload to a reasonable level.
 - d). Update the references to standards if appropriate.
 - e). Update the references to different vehicle categories.
 - f). Adapt requirements to technical progress
 - g). Reconsider limits, frequency range, required test level and other significant aspects, as deemed necessary.
 - h). Include provisions related to automated systems (e.g. ADAS, status, pass-fail criteria, post-test checking, ...)
 - i). Consider impact of software updates.

The proposal from the IWG shall also seek to:

- j). Reduce ambiguity in the requirements to provide consistent interpretation.
 - k). Reduce the administrative burden (caused by maintenance of regulations) on the Contracting Parties, UN Secretariat (and its associated services) and the affected industrial sector.
 - l). Reduce unnecessary regulatory burden on the industry.
7. The IWG shall propose a new approach to reform the practice of multiple / collective amendments and may consider (but is not limited by) the consolidation of common requirements to improve the efficiency of the regulatory text.
8. In parallel to working on the objectives above, the informal group shall:
- a). Determine whether the current regulatory text presents barriers to innovation and whether (both current and anticipated) safety considerations are addressed.
 - b). Develop, as far as possible, performance-based and technology-neutral requirements to ensure freedom for technical innovation within a framework of safety principles.
 - c). If possible, review electromagnetic compatibility requirements in other UN Regulations, in cooperation with other GRs.
9. The key objective is to draft a proposal for a new series of amendments to UN Regulation No.10.

III. Operating principles

10. The Informal Working Group on Electromagnetic Compatibility is a subgroup of GRE and is open to all participants of GRE including Contracting Parties to the 1958 and 1998 Agreements and Non-Governmental Organizations.
11. A Chairman (Germany) and a Secretary (OICA) will manage the informal group.
12. The official language of the informal group will be English.
13. The Secretary of the Group shall submit the agenda and related documents in a suitable electronic format in advance of all scheduled meetings. All documents shall be posted on the website (<https://wiki.unece.org/pages/viewpage.action?pageId=29229615>). The Group shall postpone discussion on any item or proposal, which has not been circulated 5 working days in advance of the scheduled meeting.
14. The Secretary of the Group will distribute the meeting minutes to the IWG members within 15 working days after the meeting of the Group.
15. Decisions and proposals of the group shall be reached by consensus. When consensus cannot be reached the Chair of the Group shall present the different points of view to GRE. The Chair may seek guidance from GRE as appropriate.
16. Sessions shall be convened, in agreement with the majority of the participants, after the Group has been established in a constitutional meeting. Sessions may be virtual using web-based technology and shall be scheduled to meet the timeline for deliverables.

17. A provisional agenda shall be drafted by the secretariat in accordance with the participants of the Group. The first item of the provisional agenda for each session shall be the adoption of the agenda.
18. The second item on the provisional agenda shall be the discussion on matters arising and adoption of the minutes of the previous session.
19. **IWG on EMC shall report to GRE on its activities and, in regard to paragraph 8.c), may inform other GRs, in particular GRSG, as appropriate.**

IV. Work plan and time schedule

20. The aim of the IWG on EMC is to present an informal document for consideration during the 86th session of GRE in April 2022.
21. The key objective of the IWG is to present a **first** formal document for consideration during the 87th session of GRE in October 2022, (Final submission of the formal document by end of July 2022), and for an adoption in WP.29 in 2023.