

## **Proposal for amendment to gtr No. 3**

### **I. Objective**

1. The objective of this proposal is to develop, in the framework of the 1998 Agreement, an amendment to the current UN Global Technical Regulation (GTR) No. 3. on motorcycle brake systems to adapt the regulation to technical progress, in particular harmonising the GTR with recent amendments made to UN Regulation No. 78.

### **II. Background and proposal**

2. One of the main purposes of UN GTR No. 3 is to reduce the injuries and fatalities associated with motorcycle accidents by addressing the braking performance of motorcycles as a means of improving road safety.

3. The first objective of this proposal is to harmonise the recent Supplement 3 to the 03 series the recent amendment to UN Regulation No. 78 as adopted at June 169/WP.29. The main technical issues are:

- (a) to include Electromagnetic Compatibility requirements for ABS. This amendment was based on discussion of ECE/TRANS/WP.29/2016/56, amended by WP29-169-03e at 80/GRRF as reproduced in Annex IV of the report of that session. It was noted with the adoption at 80/GRRF that an approval according to Regulation No. 10 is not a prerequisite for obtaining an approval according to Regulation No. 78. When transposing this issue to the 1998 Agreement, the specificities of self-certification will be considered.
- (b) to apply to tri-cycles (Category 3-5 Vehicles) <sup>1</sup> the existing Anti-Lock Braking Systems (ABS) requirements for Powered Two Wheelers (PTWs) based on ECE/TRANS/WP.29/GRRF/2015/42. The expansion of scope of the ABS requirements to L6 and L7 vehicles <sup>2</sup> shall not be transposed to the GTR due to the absence of this type of vehicles in the 1998 Agreement.
- (c) to introduce the installation of Emergency Stop Signal on motorcycles based on ECE/TRANS/WP.29/GRRF/2016/23, slightly amended. The associated amendment of UN Regulation No. 53 (lighting installation) was adopted at 168/WP.29 (ECE/TRANS/WP.29/2016/22). This proposed amendment to the GTR involves only the condition of activating an emergency stop signal, not the lighting requirements.

4. The second objective is to clarify the possibility to install a means to disable the ABS function ('ABS Switch') in certain conditions for Category 3 vehicles, as proposed in ECE/TRANS/WP.29/GRRF/2015/41, amended and reproduced in Annex III of the Report of 81/GRRF (ECE/TRANS/WP.29/GRRF/81), this amendment to UN Regulation No. 78 is currently pending confirmation of the final language at the 82nd session of GRRF.

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<sup>1</sup> As defined in the Special Resolution No. concerning the common definitions of vehicle categories, masses and dimensions (S.R.1), document ECE/TRANS/WP.29/1045, Amend 1 and 2, Annex 2 - [www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html)

<sup>2</sup> As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/WP.29/78/Rev.4, para. 2 - [www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html)

5. The proposal for harmonizing the GTR 3 with the amendments to UN Regulation No. 78 will require consideration of the differences between the respective 1998 Agreement and 1958 Agreement and specific solutions for the different technical items will need to be found. GRRF experts will be requested to support and contribute in this process.

### **III. Subject of amendment**

6. The amendment to UN GTR No. 3 shall include:
- (a) Amendment of the Statement of technical rationale and justification;
  - (b) Amendment of the Text of the global technical regulation
  - (c) Technical Report

### **IV. Organization of process and timeline**

7. The proposal will be drafted by the experts from Italy with the support of the International Motorcycle Manufacturers Association (IMMA) and in cooperation with all interested GRRF experts that have shown interest to ensure maximum of support to the final proposal. The meetings of interested experts are not planned, but may be organized, if necessary.

8. The proposed action plan:
- (a) September 2016: Introduction and consideration of the proposal (informal document) at the 82nd GRRF session;
  - (b) November 2016: Request for amendment of UN GTR No. 3 at AC3
  - (c) January 2017: Proposal for adoption at the 83rd GRRF session and technical report
  - (d) June 2017: Adoption of the proposal and technical report by AC.3, if all remaining issues had been solved
9. The progress will be reported to AC.3 at the March 2017 session.
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