

JUSTIFICATION SUMMARY FOR THE AMENDMENTS TO REGULATION No. 83  
(see informal document No. GRPE-57-17)

The following offers a brief summary of the main amendments to UNECE Regulation No. 83 for implementing Euro 5/6 requirements of EU Regulations 715/2007 and 692/2008:

- The SCOPE has changed – contrary to the previous form the regulation has to apply to vehicles with a reference mass not exceeding 2610 kg (section 1.1.).
- The lately introduced fuel types got into the text. In compliance with the new fuel types the relating parts have been modified with especial regard to the definitions (e.g.: flex fuel, bi-fuel) and the hydrocarbon ratios (e.g. in section 2.4. and 5.3.7.).
- The introduction of the expressions Euro 5/6 with the related tables are important. parts of the amendment (Table 1. and Table 2. in section 5.3.1.4).
- New limit values for the tests Type VI. and Type V. (5.3.5. and 5.3.6.).
- The section 7. (Extensions of type approval) has been significantly modified.
- Significant completions got into the section 8.2.2. (Selection of vehicles for in-service conformity) but the specific conditions of the vehicle selection in section 8.2.2.5. need to be specified (to apply the statistical procedure it is difficult to determine the annual sales volume in the case of Contracting Parties contrary of Member States).
- The section 11. (Transitional provisions) has been modified taking account the new dates.
- Appendix 5. (Responsibilities for in-service conformity) as well as Appendix 6. (Requirements for vehicles that use a reagent for the exhaust after-treatment system) are totally new.
- Annex 3. Table 1 is new and clarifies the emissions and OBD standards and the related implementation dates.
- Annex 9. Test V. has been substantially modified (the whole vehicle durability test represents an ageing test of 160000 km instead of the previous 80000 km)
- Annex 9. Appendix 1, Appendix 2 and Appendix 3 about the test cycles are totally new (SBC, SDBC, SRC).
- Annex 10. Specifications of reference fuels has been modified and extended with the new fuel types.
- Annex 11. (OBD for motor vehicles) has been completed with OBD threshold limits for Euro 5 and Euro 6.
- In Annex 11. – Appendix 1. a new Section 7. (OBD In use performance) were introduced.

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