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Item 17.3 of the provisional agenda

Progress on the development of new UN Global**Technical Regulations and of amendments to established****UN Global Technical Regulations (UN GTRs)– Gtr No. 4****(World-wide heavy-duty certification procedure (WHDC))****Authorization for the extension of the scope of the mandate
to the GRPE Informal Working Group on Heavy-Duty
Hybrids for the alignment between gtr No. 4 and gtr No. 11****Submitted by the representative of the European Union***

This document contains a proposal to extend the scope of the mandate to the GRPE Informal Group on Heavy-Duty Hybrids for the alignment between gtr No. 4 and gtr No. 11. It is based on informal document WP.29-162-08 distributed at the 162nd session of the World Forum (ECE/TRANS/WP.29/1108, para. 100). This authorization is transmitted to the Working Party on Pollution and Energy (GRPE). In accordance with the provisions of paras. 6.3.4.2, 6.3.7 and 6.4 of the 1998 Agreement, this document shall be appended to the amended gtr once adopted.

* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

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1. Through the endorsement of document ECE/TRANS/WP.29/AC.3/29, at its 153rd session (8 - 11 March 2011), WP.29 provided the Working Party on Pollution and Energy (GRPE), with the authorization for the development of either amendments to gtr No. 4 adding a new emission test procedure for Heavy-Duty Hybrid vehicles (HDHs) or a new gtr.
2. In response to the WP.29 authorization, and after three years of work, the Informal Working Group (IWG) on HDHs presented to GRPE, in its 68th session (7-10 January 2014), an informal document amending gtr No. 4 (GRPE-68-12), for the introduction of technical provisions on HDHs. This document will be presented to GRPE as working document in June 2014, and, if recommended by GRPE, to WP.29 in November 2014 for final adoption.
3. At its January 2014 session, GRPE also recommended the proposal from the IWG on HDHs on the extension of the scope of ECE/TRANS/WP.29/AC.3/29, for aligning a number of technical provisions in gtr No. 4 and gtr No. 11.
4. The alignment between the two gtrs had been specifically requested by the United States of America when the two gtrs were adopted, because gtr No. 11 is largely based on the United States of America CFR Part 1065. However, when adopting gtr No. 11 and amendment 1 to gtr No. 4, it was not possible to fully align the technical provisions of the two gtrs. AC.3 considered at that time that the alignment should be done at a later stage. The main aspects refer to dynamometer specification, gas drying, gas dividers, leak check, interference effects and calibration of the Constant Volume Sampling (CVS) system.
5. Although the alignment does not refer to HDHs, it has, nevertheless, been considered by GRPE that Amendment 3 to gtr No. 4 for the introduction of technical provisions on HDHs constitutes a good opportunity for the alignment of the two gtrs.
6. The intention of the Informal Group on HDHs is that GRPE recommended, at its June 2014 session, the working document gathering the amendments to gtr No. 4 corresponding to HDHs, as well as an informal document including both some missing provisions relative to hybrid vehicles that the IWG on HDHs did not have time to complete and include in the document GRPE-68-12 as well as the provisions for the alignment of the two gtrs.
7. In order to allow the presentation in GRPE of the informal document as laid out in the paragraph above, the European Union (EU) requested from WP.29 the needed authorization for the extension of the scope of the document ECE/TRANS/WP.29/AC.3/29.