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**Progress on the development of new UN GTRs and of amendments
to established UN GTRs – UN GTR No. 15 (Worldwide harmonized
Light vehicle Test Procedures (WLTP) – Phase 2)****Authorization to develop Phase 2 of UN Global Technical
Regulation No. 15 (Worldwide harmonized Light vehicle Test
Procedures (WLTP))****Submitted by the representatives of the European Union and Japan***

The text reproduced below is submitted by the representatives of the European Union and Japan on the mandate for the development of Phase 2 of United Nations Global Technical Regulation (UN GTR) No. 15 by the informal working group on Worldwide harmonized Light vehicle Test Procedures (WLTP). It is based on ECE/TRANS/WP.29/2016/29 and informal document WP.29-168-11, distributed and endorsed at the 168th session (ECE/TRANS/WP.29/1120, para. 115). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Executive Committee of the 1998 Agreement (AC.3) for consideration. This document, if adopted, shall be appended to the UN GTR in accordance with the provisions of paragraphs 6.3.4.2., 6.3.7. and 6.4. of the 1998 Agreement.

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), 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.

I. Background

1. The Informal Working Group (IWG) on Worldwide harmonized Light vehicles Test Procedures (WLTP) was set up in 2009. The original schedule and scope were described in ECE/TRANS/WP.29/AC.3/26 and Add.1. These documents outline WLTP activities and timeframe of each activity is divided into three phases (Phase 1 to Phase 3). The IWG submitted the United Nations Global Technical Regulation (UN GTR) on WLTP and it was adopted by the Working Party on Pollution and Energy (GRPE) as well as established by the World Forum for Harmonization of Vehicle Regulations (WP.29) and the Executive Committee of the 1998 Agreement (AC.3) in March 2014.
2. After the establishment in the Global Registry as UN GTR No. 15 in March 2014, ECE/TRANS/WP.29/AC.3/39 on the authorization to further develop the work on Phase 1b was adopted to solve the remaining issues of WLTP Phase 1a.
3. WLTP Phase 1b activities were completed and amendments to UN GTR No. 15 were submitted in October 2015 to be considered at the GRPE January 2016 session.
4. At the same time there is a need to transpose UN GTR No. 15 on WLTP into new Regulations annexed to the 1958 Agreement. The intended way forward for this task has been discussed several times at GRPE and it is described e.g. in informal document GRPE-72-18.

II. Proposal

5. An extension of the mandate for the WLTP IWG, sponsored by the European Union and Japan, shall tackle the development of the remaining issues. Phase 2 activities should be started immediately after the endorsement of this authorization by WP.29 and AC.3 at their November 2015 sessions.
6. Scope of work in Phase 2 should cover:
 - (a) Original items described in ECE/TRANS/WP.29/AC.3/26 and Add. 1 shall be kept;
 - (b) The remaining issues from WLTP Phase 1b;
 - (c) Durability for internal combustion engine vehicles and electric vehicles;
 - (d) Evaporative emissions;
 - (e) Low ambient temperature emissions;
 - (f) Test procedure for the determination of additional CO₂ emissions and fuel consumption from mobile air conditioning systems;
 - (g) On-board diagnostics requirements;
 - (h) Development of criteria for ex-post assessing of road load parameters (see WLTP-12-29-rev1e);
 - (i) Other items.
7. In addition, the IWG on WLTP shall work for the transposition of UN GTR No. 15 on WLTP into new Regulations annexed to the 1958 Agreement.

III. Timeline

8. The work of the IWG on WLTP Phase 2 should be completed by 2019. Phase 2 will be divided into Phases 2a (until June 2017) and 2b (until the end of 2019). The transposition of UN GTR No. 15 on WLTP into new Regulations annexed to the 1958 Agreement should ideally be finalized by the end of 2017 but the work may continue until the end of 2019 without a formal modification of this mandate, if needed due to circumstances.

9. A prolongation and extension of the mandate of the IWG on WLTP should be considered by GRPE in due time.
