

**Economic and Social Council**Distr.: General
5 September 2016

Original: English

Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****170th session**

Geneva, 15-18 November 2016

Item 18.7 of the provisional agenda

**Progress on the development of new gtrs and of amendments
to established gtrs :****Ggtr No. 15 (Worldwide harmonized****Light vehicle Test Procedures (WLTP) – Phase 2)****Authorization to develop Phase 2 of gtr No. 15 (Worldwide
harmonized Light vehicle Test Procedures (WLTP))****Submitted by the representatives of the European Union and Japan***

The text reproduced below was 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 (gtr) No. 15 by the informal working group on Worldwide harmonized Light vehicle Test Procedures (WLTP). It was adopted by the Executive Committee (AC.3) of the 1998 Agreement at its June 2016 session on the basis of ECE/TRANS/WP.29/2016/73 (ECE/TRANS/WP.29/1123, para. 124). This authorization is transmitted to the Working Party on Pollution and Energy (GRPE). In accordance with the provisions of paragraphs 6.3.4.2, 6.3.7 and 6.4 of the 1998 Agreement, this document shall be appended to any new and/or amended global technical regulation once adopted.

* 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 global technical regulation (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 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 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 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 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 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.
