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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****168<sup>th</sup> session**

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Item 17.6 of the provisional agenda

**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 1(b))****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 UN Global Technical Regulation (GTR) No. 15 by the informal working group on Worldwide harmonized Light vehicle Test Procedures (WLTP). It is based on informal document WP.29-167-29, distributed at the 167<sup>th</sup> session (ECE/TRANS/WP.29/1118, paras. 133 and 134). 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.

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\* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, 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.

## I. Background

1. The informal working group 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 informal working group submitted the 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.

## II. Proposal

4. An extension of the mandate for the WLTP informal working group, sponsored by the European Union and Japan, shall tackle the development of the remaining issues. Phase 2 activities should be started immediately after the adoption of this authorization by WP.29 and AC.3 at their November 2015 sessions.
5. 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 CO<sub>2</sub> 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.

## III. Timeline

6. The work of the informal working group on WLTP Phase 2 should be completed by 2018. Phase 2 will be divided into Phases 2a (until January 2017) and 2b (until the end of 2018). A prolongation and extension of the mandate of the group should be considered by GRPE in due time.
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