



Transposition of WLTP into European Union and UN Regulations

70th GRPE January 2015

**Submitted by the expert of the European
Commission**

Background

- UN GTR No. 15 (WLTP) needs to be implemented into European Union legislation and also transposed into UN Regulation
- New EU and UN regulatory texts are therefore needed to enable this implementation
- At a European level the GTR needs to be complemented by additional technical elements, including:
 - Additional Ambient Temperature Correction Test
 - Corrections for test cycle flexibilities
 - Utility Factors for OVC-HEVs
- Administrative Working Group (AdminWG) set up to coordinate the drafting of the regulatory text



Transposition into EU legislation

- EU WLTP is being prepared as a new implementing and amending regulation of co-decision EC No. 715/2007 that will eventually replace the current EC No. 692/2008 (NEDC)
- EC No. 692/2008 uses separate annexes for the criteria emissions test, CO₂ emissions test , HEV test procedure etc.
- Proposed that the new regulation will include all the equivalent WLTP GTR requirements in a single new annex (Annex XXI) with the NEDC elements being deleted from the other annexes



Transposition into EU legislation

- How to report WLTP Fuel Consumption/CO₂ results in the Type Approval Process is a key outstanding issue
 - Which values?
 - Where reported?
 - Where used?
- Task force set up to develop the way forward
- Some issues closely linked to discussions/decisions at the GTR level



EU Regulation WLTP Annex

- WLTP Annex uses GTR Phase 1a as the 'baseline'
 - New European specific text developed
 - Text not applicable at a European level removed
 - Updated to reflect Phase 1b changes to the GTR that have been agreed by the GRPE Informal Working Group for WLTP
- Alignment with Phase 1b is a continuous process – e.g. GTR IWG currently discussing the number of Type 1 tests and whether to use measured or declared values for CO₂ emissions



EU Regulation WLTP Annex

- Progress since 69th GRPE (Informal document GRPE-69-16)
 - Utility Factor curve for OVC-HEVs finalised – with supporting technical Report having been published
 - Further development of the Ambient Temperature Correction Test (14°C test) – some outstanding items linked to the GTR
 - Ongoing discussions on correction algorithms for WLTP chassis dynamometer and coast-down testing – linked to GTR

Transposition into UNECE legislation

- WLTP GTR: covers both criteria pollutant (R.83) and CO₂ emissions (R.101)
- 69th GRPE – 2 transposition options discussed:
 - a) Incorporate GTR 15 into R.83 and R.101; or
 - b) Introduce a new 'Regulation WLTP'
- Preferred approach (Option b): implement WLTP via a new 1958 Agreement Regulation, that will eventually replace both R.83 & R.101

Transposition into UNECE legislation

- The scope of the new 'Regulation WLTP' needs to be agreed by GRPE
- The future of Regulations 83 and 101 also needs to be discussed and agreed at GRPE
- Introduction of 'Regulation WLTP' into UN Regulation No. 0 (IWVTA) also needs to be considered

Proposed timetable

- A potential timetable is proposed which aligns the progress of 'Regulation WLTP' through the GRPE process with that of GTR Phase 1b

Date	1998 Agreement: GTR No. 15	1958 Agreement: New 'Regulation WLTP'
GRPE 01/2015	No new documents	EU-COM: provide initial proposal for transposing WLTP into UN Regulation
GRPE 06/2015	Informal document (GTR draft, Phase 1B amendments)	Informal document (new regulation = transposition from GTR 15 (Phase 1A) + some elements from Phase 1B that have been agreed by the WLTP IWG)
10/2015	Submit Working document	Submit Working document
until 01/2016	Ideally no further amendments	Preparation of an Informal document to introduce all GTR 15 Phase 1B amendments (as included in the GTR Working document submitted to UNECE in October 2015)
GRPE 01/2016	Adoption of Working document	Adoption of Working document as amended by the Phase 1b elements from the Informal document prepared between Oct 15 and Jan16

UN Timetable + EU Regulation Dates

INDICATIVE TIMINGS FOR TRANSPOSITION OF GTR NO.15 INTO UN AND EU REGULATIONS - **DRAFT JANUARY 2015**

	Date																																			
	2015												2016												2017											
+	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
GRPE Milestone																																				
WP.29 Milestone																																				
EU Milestone																																				
1998 Agreement: GTR No. 15 Phase 1B																																				
GRPE Informal Doc. Phase 1B amendments													+																							
GRPE Working Doc. Phase 1B amendments																									+											
GRPE Adoption of Working Doc.													+																							
WP29 Adoption																									◆											
1958 Agreement: 'Regulation WLTP'																																				
Proposal for transposition method/timeline	+																																			
GRPE Informal Doc. Phase 1A + agreed 1B updates													+																							
GRPE Working Doc. Phase 1A + agreed 1B updates																									+											
GRPE Informal Doc. Phase 1B amendments																									+											
GRPE Adoption of 1A (+ some 1B) and 1B amendments													+																							
WP29 Adoption																									◆											
EU New WLTP Implementing Regulation																																				
Draft Regulation: Phase 1A (+1B) - TCMV Vote																									●											
Draft Regulation: Phase 1A (+1B) - Official Journal													●																							
Draft Regulation: Phase 1B - TCMV Vote																									●											
Draft Regulation: Phase 1B - Official Journal																									●											



Thank you for your attention

Contact information

Klaus Steininger, European Commission

Nikolaus.Steininger@ec.europa.eu

Robert Gardner, TRL

rgardner@trl.co.uk