Economic and Social Council

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

176th session
Geneva, 13-16 November 2018
Item 4.10.2 of the provisional agenda
1958 Agreement:
Consideration of draft corrigenda to existing
UN Regulations submitted by GRs if any

Proposal for Corrigendum 1 to Revision 3 to UN Regulation No. 110 (CNG vehicles)

Submitted by the Working Party on General Safety Provisions*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 114th session (ECE/TRANS/WP.29/GRSG/93, para. 32). It is based on official document ECE/TRANS/WP.29/GRSG/2018/3. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their November 2018 sessions.

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* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, Cluster 3.1), the World Forum will develop, harmonize and update UN regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Corrigendum 1 to Revision 3 to UN Regulation No. 110 (CNG vehicles)

Annex 3A, Table 6.4, replace by:

"Table 6.4
Cylinder design qualification tests

		Cylinder type			
Test and annex reference		*CNG-1*	*CNG-2*	*CNG-3*	*CNG-4*
A.12.	Burst	X *	X	X	X
A.13.	Ambient temperature/cycle	X *	X	X	X
A.14.	Acid environment test		X	X	X
A.15.	Bonfire	X	X	X	X
A.16.	Penetration	X	X	X	X
A.17.	Flaw tolerance		X	X	X
A.18.	High temperature creep		X	X	X
A.19.	Stress rupture		X	X	X
A.20.	Drop test			X	X
A.21.	Permeation				X
A.24.	PRD performance	X	X	X	X
A.25.	Boss torque test				X
A.27.	Natural gas cycling				X
A.6.	LBB assessment	X	X	X	
A.7.	Extreme temperature/cycle		X	X	X

X = required

* = Not required for cylinders designed to ISO 9809 (ISO 9809 already provides for these tests)."