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**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**[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 114thsession (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.

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**

| *Test and annex reference* | *Cylinder type* | | | |
| --- | --- | --- | --- | --- |
| *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)."

1. \* 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. [↑](#footnote-ref-2)