

## Proposal for a corrigendum to Revision 3 of UN Regulation No. 110 (CNG/LNG vehicles)

The text reproduced below was prepared by the experts from ISO and NGV Global. It proposes a Corrigendum to UN Regulation No. 110 to correct Table 6.4. The modifications to the current text of UN Regulation No. 110 are marked in **bold** for new characters and strikethrough for deleted characters.

### I. Proposal

Page 73, 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	<b>X</b>	X	X	X
A.16. Penetration	X	X	X	X
A.17. Flaw tolerance	<del>X</del>	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	<b>X</b>	X	X	X
A.25. Boss torque test	<del>X</del>			X
A.27. Natural gas cycling				X
A.6. LBB assessment	<b>X</b>	X	X	
A.7. Extreme temperature/cycle	<del>X</del>	X	X	X

X = required

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

### II. Justification

Since it is unlikely that GRSG will accept the complete harmonization with ISO 11439, it is recommended that Table 6.4 should specify the following for **CNG-1 designs**:

- Delete A.17, A.25, and A.7, since they are obviously wrong as they **do not** match the tests specified in paragraph 7.5 on Cylinder design qualification tests.
- Add A.15 and A.6, since they **do** match the tests specified in paragraph 7.5 on Cylinder design qualification tests.
- Add A.24 because paragraph 6.9 on Fire protection does require all PRDs on all cylinder types to comply with A.24.