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**Road vehicles — Compressed natural  
gas (CNG) fuel system components —**

**Part 4:  
Manual valve**

**AMENDMENT 1**

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*Véhicules routiers — Composants des systèmes de combustible gaz  
naturel comprimé (CNG) —*

*Partie 4: Valve manuelle*

*ISO 15500-4:2012/Amd 1:2016*

**AMENDEMENT 1**

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Amendment 1 to ISO 15500-4:2012 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 41, *Specific aspects for gaseous fuels*.

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# Road vehicles — Compressed natural gas (CNG) fuel system components —

## Part 4: Manual valve

### AMENDMENT 1

Page 2, Clause 5

Replace Clause 5 with the following:

#### 5 Construction and assembly

**5.1** The manual valve shall comply with the applicable provisions of ISO 15500-1 and ISO 15500-2, and with the tests specified in Clause 6. Tolerances should follow the specifications of ISO 15500-2.

**5.2** Manual valve handles, when provided, shall be securely attached to the valve spindle.

**5.3** A manual valve with 90° rotation from “on” to “off” position shall be provided with rigidly secured stops to limit rotation.

**5.4** A manual valve may be used as a service valve.

**5.5** Valves having 90° of rotation (quarter turn) from “on” to “off” positions shall have the handles perpendicular to the direction of flow at the valve inlet when in the “off” position.

**5.6** All valves shall close when the handle is rotated clockwise.

Page 3, Table 1

Replace [Table 1](#) with the following:

**Table 1 — Applicable tests**

Test	Applicable	Test procedure as required by ISO 15500-2	Specific test requirements of this part of ISO 15500
Hydrostatic strength	X	X	X (see 6.2)
Leakage	X	X	X (see 6.3)
Excess torque resistance	X	X	
Bending moment	X	X	
Continued operation	X	X	X (see 6.4)
Corrosion resistance	X	X	
Oxygen ageing	X	X	
Ozone ageing	X	X	
Heat ageing	X	X	
Automotive fluids	X	X	
Electrical overvoltages			
Non-metallic material immersion	X	X	
Vibration resistance	X	X	
Brass material compatibility	X	X	

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