

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

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Interpretation of ADR

2 April 2013

Use of gaseous fuels on EX, FL and OX vehicles

Transmitted by the Government of the Netherlands

Interpretation

Subsection 9.2.4.3 is applicable for the category EX, FL and OX vehicles and contains requirements for fuel tanks supplying the engine of the vehicle. The text of 9.2.4.3 of ADR 2013 is reproduced below.

9.2.4.3 *Fuel tanks*

The fuel tanks for supplying the engine of the vehicle shall meet the following requirements:

- (a) In the event of any leakage, the fuel shall drain to the ground without coming into contact with hot parts of the vehicle or the load;
- (b) Fuel tanks containing petrol shall be equipped with an effective flame trap at the filler opening or with a closure enabling the opening to be kept hermetically sealed.

Subsection 9.2.4.3 (a) requires that any leakages from the fuel system drains to the ground. This requirement is not possible for gaseous fuels which are lighter than air.

Questions

- Is subsection 9.2.4.3 only applicable if liquid fuels are used?
If so; amendment of text 9.2.4.3 is needed.
 - Should gaseous fuels not be allowed at all (and is this justified)?
If so; new subsection(s) should introduced to regulate this in an unambiguous way.
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