

**Economic and Social Council**Distr.: General  
24 December 2015

Original: English

**Economic Commission for Europe****Inland Transport Committee****Working Party on the Transport of Dangerous Goods****Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods**

Bern, 14–18 March 2016

Item 5 (a) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN  
pending issues****Marking and ventilation in accordance with 5.5.3.3.3 of  
RID/ADR/ADN 2017****Transmitted by the Government of Austria<sup>1,2</sup>***Summary*

<b>Executive summary:</b>	The text adopted for 2017 concerning the marking or ventilation of means of transport carrying packaged dangerous goods requiring cooling or conditioning is not clear enough.
<b>Action to be taken:</b>	Deletion of text in 5.5.3.3.3.
<b>Related documents:</b>	ECE/TRANS/WP.15/AC.1/136 (OTIF/RID/RC/2014-B) ECE/TRANS/WP.15/AC.1/2014/43 (OTIF/RID/RC/2014/43) informal document INF.51 of the Joint Meeting in September 2014

<sup>1</sup> In accordance with the draft programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/WP.15/2015/19 (9.2)).

<sup>2</sup> Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2016/18.

## Introduction

1. 5.5.3.3.3 of RID/ADR/ADN 2013 required in general well ventilated wagons/vehicles and containers for packaged dangerous goods requiring cooling or conditioning. In 2015 means of transport as defined in the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP) were exempted from this provision. The reason was that these means of transport are appropriate for the carriage of cooled packages but only in the case that they are not well ventilated.

2. For 2017, the Joint Meeting decided to mention the ATP only as an example and not to require ventilation for other means of transport if there is no exchange of gas with compartments to which persons have access during carriage. When there is no ventilation a warning mark is prescribed for the protection of the loading personnel.

3. The text adopted for 2017 reads as follows:

**"5.5.3.3.3** Packages containing a coolant or conditioner shall be carried in well ventilated <(RID:) wagons and containers>/ <(ADR:) vehicles and containers> / <(ADN:) vehicles, wagons and containers>. Marking according to 5.5.3.6 is not required in this case.

Ventilation is not required, and marking according to 5.5.3.6 is required, if:

- gas exchange between the load compartment and <(RID:) accessible compartments during carriage> / <(ADR:) the driver's cabin> /<(ADN:) accessible compartments during carriage> is prevented; or
- the load compartment is insulated, refrigerated or mechanically refrigerated equipment, for example as defined in the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP) where this requirement is fulfilled.

*NOTE: In this context "well ventilated" means there is an atmosphere where the carbon dioxide concentration is below 0.5 % by volume and the oxygen concentration is above 19.5 % by volume."*

4. It is unclear which requirements shall be fulfilled in which cases. In addition, it should be mentioned that the German word "geregelt" is reflected by the English word "defined" and the French word "défini". If need be, this could be solved by a specification of the text.

5. However, for Austria it is essential, that a gas exchange with other compartments is prevented during carriage. This is clearly defined in the first indent, irrespective whether it is refrigerated equipment or not. In addition, the ATP and other possible regulations do not explicitly require that refrigerated equipment shall be airtight in all cases.

6. If the words "where this requirement is fulfilled" are understood in the sense that gas exchange is prevented, the second indent is only a subcategory of the first indent. However, if it is envisaged to reference other unknown requirements no safety is guaranteed.

## Proposal

7. Therefore, Austria proposes not to include the second indent of 5.5.3.3.3 in the 2017 version of RID/ADR/ADN.

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