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Working Party on the Transport of Dangerous Goods

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Item 5 (b) of the provisional agenda

**Proposals for amendments to annexes A and B of ADR:
miscellaneous proposals**

Temperature controlled transport

**Transmitted by the Government of the Netherlands and the European
Chemical Industry Council (CEFIC)***

Summary

Executive summary:	Temperature check of substances transported in temperature controlled refrigerated containers and reference to section 9.6.1 (c); Clarification of the interpretation of thermal insulation in 7.1.7.4.5 of ADR 2019.
Action to be taken:	Consider proposals 1 and 2. When proposal 2 is adopted: Sub-Committee of Experts on the Transport of Dangerous Goods to be informed.
Related documents:	ECE/TRANS/WP.15/246 (report from the 106th session), paragraphs 21-22; ECE/TRANS/WP.15/2019/1; Informal document INF.3 from the 106th session.

Introduction

1. During the 106th session of the Working Party on the Transport of Dangerous Goods, the Netherlands and CEFIC have raised two items regarding temperature controlled transport:

(a) transport in refrigerated containers and monitoring in the driver's cab as indicated in section 9.6.1 (c) (ECE/TRANS/WP.15/2019/1); and

(b) interpretation of thermal insulation in subsection 7.1.7.4.5 (informal document INF.3 from the 106th session).

* 2020 (A/74/6 (Sect.20) and Supplementary, Subprogramme 2)

2. As indicated in the report of the 106th session, the discussion on the document (ECE/TRANS/WP.15/2019/1) submitted by CEFIC raised the issue of the scope of Chapter 9.6. That chapter, as drafted, applies only to complete or completed insulated, refrigerated or mechanically-refrigerated vehicles, whereas subsection 7.1.7.4.7 appears to state that the provisions of Chapter 9.6 also apply to refrigerated containers.

3. Further, given the fact that section 7.1.7 would also have to be amended to take account of the Working Party's interpretation of the issue raised in informal document INF.3 (the Netherlands) the representative of CEFIC and the representative of the Netherlands hereby submit a revised proposal aiming at clarifying section 7.1.7.

Transport in refrigerated containers and temperature monitoring

4. As explained in document ECE/TRANS/WP.15/2019/1, temperature monitoring in the driver's cab of temperature controlled (stand-alone) refrigerated containers is not possible. However, in subsection 7.1.7.4.7 a reference is made to Chapter 9.6, which includes the requirement of temperature indication to be available in the driver's cab in section 9.6.1 (c) which is only applicable for completed vehicles intended for the carriage of temperature controlled substances and not for refrigerated containers.

5. To make sure that the relevant parts of Chapter 9.6 are also applicable to refrigerated containers, it is proposed to add to subsection 7.1.7.4.7 a specific reference to Chapter 9.6 for refrigerated containers. See Proposal 1. The requirements regarding regular temperature checks are already described in subsection 7.1.7.4.2.

Interpretation of the requirements for thermal insulation in subsection 7.1.7.4.5 of ADR

6. In informal document INF.3 from the 106th session the interpretation of the requirements of thermal insulation in subsection 7.1.7.4.5 were explained. It was indicated that thermal insulation of transport units (and not of packages) is relevant for methods in subsection 7.1.7.4.5 (c), (d) and (e). The Working Party confirmed this conclusion (see ECE/TRANS/WP.15/246, paragraph 49).

7. Reference was made to the decision in the fifty-third session (June 2018) of the Sub-Committee of Experts on the Transport of Dangerous Goods. The decision was to adopt the requirement of "thermal insulation" between square brackets for methods in subsection 7.1.5.4.5 (c), (d) and (e) in the Model Regulations, pending further discussion in a next session. However, in the report of the fifty-fourth session (December 2018) of the Sub-Committee of Experts on the Transport of Dangerous Goods, the reference to insulation of "transport unit" was not included.

8. The Netherlands and CEFIC propose to add to methods in subsection 7.1.7.4.5 (c), (d) and (e) of ADR the requirement of thermal insulation with, in addition to the text adopted by the Sub-Committee in square brackets (see ST/SG/AC.10/C.3/106/Add.1), the reference that it applies to transport units, see Proposal 2.

9. If proposal 2 is adopted, it should be brought to the attention of the Sub-Committee of Experts on the Transport of Dangerous Goods.

Proposals

Proposal 1

10. Amend subsection 7.1.7.4.7 to read as follows (new text is in bold underlined print and deleted text is stricken through):

“7.1.7.4.7 Where substances are required to be carried in insulated, refrigerated or mechanically- refrigerated vehicles or containers, ~~these~~ **the** vehicles ~~or containers~~ shall satisfy the requirements of Chapter 9.6 **and the containers shall satisfy the requirements of Chapter 9.6.1 (a), (e) and 9.6.2.**”.

Proposal 2

11. Amend subsection 7.1.7.4.5 (c), (d) and (e) as follows (new text is in bold underlined print):

At the beginning of 7.1.7.4.5 (c), (d) and (e) add “**Thermal insulation of the transport unit and**”.

Feasibility

12. No problems are foreseen.
