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Item 5 (b) of the provisional agenda

Proposals of amendments to ATP: new proposals

Requirements for fitting mechanically refrigerated units on equipment.

Transmitted by the Government of the Netherlands

Summary

- Executive summary:** It is proposed to include a legal base for competent authorities to refuse particular constructions in which the expected performance of the thermal unit is limited. In addition it is proposed to develop a Guideline document to be available on the UNECE website to give more details on fitting of thermal appliance.
- Action to be taken:** Introduce a new paragraph at the end of Article 6 (c), (iii), (b), and Article 6 (c), (v), (b) of Annex 1, Appendix 1
- Related documents:** ECE/TRANS/WP.11/2021/12/Rev2

Introduction

1. It is felt that insufficient tools are given to competent authorities to stop improper fitted (mechanical) refrigerated appliances. In previous sessions of WP.11 examples of correct and incorrect fitting were given in document ECE/TRANS/WP.11/2021/12/Rev.2.
2. Although valuable, including such detailed and non-exhaustive information is felt not to be appropriate for introduction in the ATP itself or the ATP handbook. It is proposed to develop a Guideline document to contain this kind of detailed information. Examples of Guideline documents can be found here:

<https://unece.org/guidelines-telematics-application-standards-construction-and-approval-vehicles-calculation-risks>.



Proposal

Proposal 1:

3. In annex 1 appendix 1, insert a new paragraph at the end of 6(c)(iii)(b), and 6(c)(v)(b), to read:

“Mechanical refrigerating units shall be fitted on the equipment taking into account the manufacturer recommendations and in such a way that their performance, due to air flow, is not impaired.”

Proposal 2

4. Introduce a Guideline document on the UNECE website with the title:

“Guideline on the fitting of mechanical refrigerated and mechanically refrigerated and heated equipment appliances on equipment.

Fitting of mechanical refrigerated and mechanically refrigerated and heated appliances shall be in accordance with the appliance manufacturer instructions. If such instruction do not exist, the manufacturer may no longer exist or a deviation fitting is required, at least the following examples shall be taken into account.”

Further: Insert the proposed examples given in document ECE/TRANS/WP.11/2021/12/Rev2.

Proposal 3 (optional):

5. Introduce a new transitional measure 6.2 in Annex 1 to read:

“Mechanical refrigerated and mechanically refrigerated and heated appliances fitted before xx-yy-zzzz not in compliance with requirements of Annex 1, Appendix 1, article 6 (c), (iii), (b), and article 6 (c), (v), (b), concerning the fitting of the appliance may continue to be used.”

Justification

6. The introduction of a new provision will improve the ability of competent authorities to act. In all cases the appliance manufacturer recommendation should be followed as far as possible to take care that the performance guaranteed by the test is not impaired.

7. The adoption of the proposal for introducing the new provision in Annex 1, Appendix 1, may be done in combination with the introduction of the Guideline document or without. As a Guideline document is not required to follow the approval procedures for amendments to the agreement and annexes it may be based on an informal document.

Cost: No additional cost are foreseen.

Feasibility: Appliance manufacturers will already provide information how to fit equipment or can advise in particular cases. Competent authorities may see improvement on controlling deviating constructions, and users will be delivered correct functioning equipment.

There are no problems foreseen with the introduction of the new provision.

A transitional measure is foreseen for equipment constructed before the entry into force.

Impact: It will improve the correct functioning of equipment.

Enforceability: Information will be available on the construction.