
Economic Commission for Europe

Inland Transport Committee

23 August 2018

English

Working Party on the Transport of Perishable Foodstuffs**Seventy-fourth session**

Geneva, 8-12 October 2018

Item 6 (b) of the provisional agenda

Proposals of amendments to ATP**new proposals**

Minimal insulated foams specifications**Transmitted by the Government of France****Context**

1. ATP tests reports models N°1A and 1B contain specific requirements in order to define the equipment dimensions subject to the overall heat transfer coefficient. However, these models do not impose minimum specifications on the intrinsic physical properties of the insulating foam used to build equipment or tanks.
2. The equipment or tanks insulating quality is strongly linked to the insulated foam used, whether it originates from prefabricated or injected panels.
3. Some equipment or tank manufacturers wish to be able to use new insulating foams on all or part of the equipment or tank that have ATP test report for measurement of the overall heat transfer coefficient.
4. This is why French experts propose in this document to clarify the provisions of ATP relating to the registration of the specifications of the insulating foam to master the type equipment.
5. The following amendment is based on the French text of ATP as amended on January 6, 2018.

State of art

6. Sentence of ATP tests reports N°1A footnotes N°4 : *“Nature and thickness of materials constituting the body walls, from the interior to the exterior, mode of construction, etc.”*
7. Sentence of ATP tests reports N° 1B footnotes N°4 : *“Nature and thickness of materials constituting the tank walls, from the interior to the exterior, mode of construction, etc.”*

Technical impact of the proposed measure

8. No impact

Economical impact of the proposed measure

9. There are no additional costs to be foreseen for the official ATP test stations or even for manufacturers who must have the additional parameters requested by this proposal if they are proficient in their production.

Environmental impact of the proposed measure

10. Can help equipment and tank manufacturers to use more green friendly insulation foams in in service equipment.

Conclusion

11. There is no problem to the application of the proposed amendments to the ATP tests reports N°1A and 1B.

ATP Proposal of amendment

Section of ATP concerns by the proposal: MODEL No. 1A and MODEL No. 1B, footnote N°4

List the relevant paragraph for instance:

MODEL No. 1A, footnote N°4:

It is proposed to add replace suppress the following paragraph of ATP

Original paragraph of ATP:

Nature and thickness of materials constituting the body walls, from the interior to the exterior, mode of construction, etc.

Proposal of modification:

Nature and thickness of materials constituting the body walls, from the interior to the exterior, mode of construction, etc. and indicate the density and thermal conductivity λ of the insulating foam used.

MODEL No. 1B, footnote N°4:

It is proposed to add replace suppress the following paragraph of ATP

Original paragraph of ATP:

Nature and thickness of materials constituting the tank walls, from the interior to the exterior, mode of construction, etc.

Proposal of modification:

Nature and thickness of materials constituting the tank walls, from the interior to the exterior, mode of construction, etc. and indicate the density and thermal conductivity λ of the insulating foam used.
