

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Perishable Foodstuffs**17 July 2013****Sixty-ninth session**

Geneva, 8-11 October 2013

Item 5 (a) of the provisional agenda**Proposals of amendments to the ATP: Pending proposals****AMENDMENT TO ANNEX 1, APPENDIX 2 PARAGRAPH 4.3.4 (iii)**Transmitted by the United Kingdom**Introduction**

1. Currently there is no airflow requirement despite the secondary coolant being vital for safe carriage of perishable cargoes in mechanically refrigerated vehicles.
2. At present the existing text appears to make airflow measurement optional. Annex 1, appendix 2, paragraph 4.3.4 (iii) reads as follows:
“If the air circulation of a refrigeration unit’s evaporator fans are to be measured, methods capable measuring the total delivery volume shall be used.”
3. A UK proposal (ECE/TRANS/WP11/2012/5) to change the wording regarding airflow tests was presented at the 68th session. This was not accepted, as verifying manufacturers’ airflow figures is not mandated. A working group was proposed for an amended proposal for next year.
4. Unfortunately although a document was presented to CERTE there was insufficient time to discuss it and therefore this proposal is at this stage an INF. The proposal below mirrors discussions held in the CEN working group.

Proposed amendment

5. It is proposed to amend the text as follows.

"4.3.4 Checks

The following should be verified and the methods used indicated in the test report:

- (i) the defrosting system and the thermostat are functioning correctly
- (ii) the rate of air circulation confirmed using an existing relevant standard:

The required airflow in the load space is calculated using the following formula:

$$\dot{V}_L \geq 60 \cdot V \quad \text{in m}^3/\text{h}$$

where

- V is the volume of the load space, in m^3 ;
 \dot{V}_L is the air flow.

The air delivery system shall be compensated for any loss of airflow due to internal equipment such as air ducts and the frosting of the evaporator(s)."

Impact

6. The financial impact to industry is that there would be an additional cost for an airflow test in cases where it is not carried out already.

7. However, the airflow result is required in the machine test report and therefore there appears to be an inconsistency.
