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## Economic Commission for Europe

### Inland Transport Committee

#### Working Party on the Transport of Perishable Foodstuffs

##### Sixty-seventh session

Geneva, 25-28 October 2011

Items 5 (b) and 6 of the provisional agenda

##### **Proposals of amendments to the ATP: New proposals and ATP Handbook**

**Amendments to Annex 2, Appendix 1 regarding the specification of design parameters and the placement of the measuring instrument of the device for measurement, recording and storage of air temperatures in the transport equipment during carriage of quick-frozen foodstuffs**

**Additional comments to Annex 2, Appendix 1 of the ATP Handbook regarding the specification of design parameters for the safe placement of the measuring instrument of the device for measurement, recording and storage of air temperature in the transport equipment during carriage of quick-frozen foodstuffs**

#### **Transmitted by the Government of the Russian Federation**

##### *Summary*

###### **Executive summary:**

Annex 2, Appendix 1 contains requirements for a device allowing to measure the air temperature inside the vehicle during carriage of quick-frozen perishable foodstuffs intended for human consumption, as well as to record and store the acquired data (hereinafter referred to as the device).

However, the requirements specified do not mention the placement of the measuring instrument and the means of protection.

It is also necessary: To harmonize the terminology of the whole of Annex 2, Appendix 1 with the terminology used in the first three paragraphs of this Appendix in the light of the requirement to monitor the air temperature during carriage of not only quick-frozen, but all other groups of perishable foodstuffs, to extend the provisions of Annex 2, Appendix 1 to frozen and chilled perishable foodstuffs.

###### **Action to be taken:**

Amend Annex 2, Appendix 1 by adding requirements regarding the placement of the measuring instrument.

Prepare a new version of Annex 2, Appendix 1 with harmonized terminology.

Make additional comments to Annex 2, Appendix 1 for the ATP Handbook setting forth the requirements for the protection of the measuring instrument, including during cargo handling operations.

**Related documents:** None.

## I. Introduction

1. At the sixty-sixth session of the Working Party on the Transport of Perishable Foodstuffs (WP.11), the Russian Federation submitted a working document (ECE/TRANS/WP.11/2010/9) proposing a new version of Annex 2, Appendix 1 with clarified terminology regarding the measuring and recording instruments of the device for measuring, recording and storage of air temperature data during the carriage of quick-frozen foodstuffs (hereinafter referred to as the instrument), requirements for the frequency of such measurements and air temperature recording, as well as the placement of the measuring instrument in the transport equipment.

2. WP.11 at its sixty-sixth session agreed to make the proposed amendments to the terminology in the first three paragraphs of Annex 2, Appendix 1 subject to minor changes, as well as to add to the ATP Handbook corresponding comments regarding the frequency of such measurements and air temperature recording. However, additional provisions of Annex 2, Appendix 1 regarding the placement of the measuring instrument proposed by the Russian Federation were suggested to be finally submitted at the sixty-seventh session of WP.11 taking into consideration the requirement for the protection of the measuring instrument, including during cargo handling operations.

3. The Russian Federation has once again examined all the aspects related to the placement of the measuring instrument and as a result suggests the following amendments:

- Amend Annex 2, Appendix 1 by adding requirements regarding the placement of the measuring instrument;
- Amend Annex 2, Appendix 1 by harmonizing the terminology used;
- Amend Annex 2, Appendix 1 of the ATP Handbook by adding comments setting forth the requirements for the protection of the measuring instrument, including during cargo handling operations.

4. The Russian Federation submits herewith the corresponding working document for consideration.

## II. Proposals

5. Amend Annex 2, Appendix 1 as follows<sup>1</sup>:

"The transport equipment shall be fitted with an instrument capable of measuring and recording air temperatures and storing the data obtained (hereinafter referred to as the instrument) to monitor the air temperatures to which quick-frozen foodstuffs intended for human consumption are subjected.

The instrument shall be verified in accordance with EN 13486 (Temperature recorders and thermometers for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream – Periodic verification) by an accredited body and the documentation shall be available for the approval of ATP competent authorities.

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<sup>1</sup> Hereinafter, as per the Russian text of ATP as amended on January 2, 2011 with the changes adopted at the sixty-sixth session of the WP.11.

The instrument shall comply with standard EN 12830 (Temperature recorders for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream - Tests, performance, suitability).

**The instrument protected against any mechanical damage that may occur during cargo handling operations or carriage of quick-frozen foodstuffs shall be placed inside the transport equipment:**

- **With the side doors (door) or end door and upper cold air distribution system - near (left or right of) the bottom of the door aperture furthest away from the refrigeration unit;**
- **With the side doors (door) or end door and lower cold air distribution system - in the middle of the top of the door aperture furthest away from the refrigeration unit;**
- **For other transport equipment – in the highest air temperature area.**

Temperature recordings obtained in this manner shall be dated and stored by the operator of the transport equipment for at least one year or longer, according to the nature of the food.

The measuring instruments shall be brought into compliance ~~comply~~ with the provisions of this Appendix at the latest one year after the date of entry into force of ~~the above provision~~ its current version. ~~Measuring~~ Instruments already installed, but which do not conform to the above standards, before this date, can continue to be used until 31 December ~~2009~~ 2012."

6. Add the following comment to Annex 2, Appendix 1 of the ATP Handbook:

"4. The instrument shall be suitably protected to avoid damage during cargo handling operations caused by moving parts of equipment or direct contact with cargo items, as well as during carriage due to the displacement, partial or complete collapse of the cargo pile.

Any means of protection of the instruments (e.g. protective case and placement of the instrument in protective case between neighbouring corrugations on the walls of the transport equipment, if any) shall not affect the accuracy of measurement of the air temperature inside the transport equipment.

It is also appropriate, before closing the door used during loading, to make a control measurement of the air temperature inside the transport equipment to verify the working order of the instrument."

### III. Justification

7. In the Russian Federation's view it is crucial to ensure harmonized observance of ATP provisions by all Contracting Parties in order to preserve the quality of transported foodstuffs. This, among other things, requires specifying the ATP provisions regarding air temperature measurement inside transport equipment during carriage of quick-frozen foodstuffs.

8. Most of the issues related to air temperature measurement and recording in transport equipment during carriage of quick-frozen foodstuffs would be resolved once the amendments to Annex 2, Appendix 1 and new comments to the ATP Handbook proposed by the Russian Federation are approved.

#### **IV. Costs**

9. No additional costs.

#### **V. Feasibility**

10. The proposed amendments to Annex 2, Appendix 1 and new comments for the ATP Handbook would provide a framework for common principles of air temperature measurement and recording in transport equipment during carriage of quick-frozen foodstuffs.

#### **VI. Enforceability**

11. No problems in fitting transport equipment with appropriate instruments are expected. The industry of ATP Contracting Parties produces a wide range of such instruments. Neither should the retrofitting of transport equipment create serious problems.
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