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**Economic Commission for Europe****Inland Transport Committee****Working Party on the Transport of Perishable Foodstuffs****Sixty-sixth session**

Geneva, 9–12 November 2010

Items 5 (a) and 6 of the provisional agenda

**Proposals for amendment to ATP: Pending proposals and ATP Handbook****Amendments to ATP annex 1, appendix 2 and amendments to annex 1, appendix 2 of the ATP Handbook\*****Transmitted by the Government of the Russian Federation***Summary*

Executive summary: The first paragraph of ATP annex 2, appendix 1 contains general requirements regarding recording instruments to monitor, at frequent and regular intervals, the air temperatures in transport equipment during carriage of quick-frozen perishable foodstuffs intended for human consumption.

The third paragraph of ATP annex 2, appendix 1 states that the measuring instruments must comply with standards EN 12830 and EN 13486.

Given that not all ATP Contracting Parties are members of the European Union and not all have an opportunity to become familiar with the aforementioned standards, it is necessary to specify the requirements for measuring and recording air temperatures during carriage of quick-frozen foodstuffs.

It is also necessary to specify:

The terminology regarding the measuring and recording instruments for the measurement, recording and storage of the values of air temperatures

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\* This document is submitted in accordance with the Programme of Work for 2010–2014 of the Inland Transport Committee (ECE/TRANS/208, para. 106; ECE/TRANS/2010/8, programme activity 02.11).

	during carriage of quick-frozen foodstuffs;
	The placement of the measuring instrument in the transport equipment.
Action to be taken:	Submit a new version of ATP annex 2, appendix 1. Introduce the relevant comments to annex 2, appendix 1 of the ATP Handbook.
Related documents:	EN 12830:1999. Temperature recorders for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream. Tests, performance, suitability.
	EN 13486:2002. Thermometers for measuring the air and product temperature for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream. Tests, performance, suitability.

## Introduction

1. At the sixty-fifth session of the Working Party on the Transport of Perishable Foodstuffs (WP.11), the Russian Federation submitted an official document (ECE/TRANS/WP.11/2009/20) proposing a new version of ATP annex 2, appendix 1 with a clarification of the requirements for the number of instruments to measure and record air temperatures inside transport equipment during carriage of quick-frozen foodstuffs, their placement, frequency and accuracy of air temperature measurement and recording and time frame for the storage of the data obtained.

2. WP.11 considered the official document submitted by the Russian Federation (ECE/TRANS/WP.11/2009/20) at the sixty-fifth session and suggested that the Russian Federation submit a revised proposal for discussion at the sixty-sixth session of WP.11, taking into account that not all ATP Contracting Parties were members of the European Union.

3. ATP annex 2, appendix 1, as revised on 6 December 2009, differs greatly from the previous version in that there is an additional requirement that measuring instruments must comply with European standards EN 12830 and EN 13486.

4. In the light of the changes made to annex 2, appendix 1 in the new version of ATP, the Russian Federation considers it appropriate to revise its proposals set out in document ECE/TRANS/WP.11/2009/20, as follows:

- To clarify the terminology regarding measuring and recording instruments for the measurement, recording and storage of the values of air temperatures during carriage of quick-frozen foodstuffs; indicate the placement of the measuring instrument in the transport equipment
- To clarify the requirements for the frequency of air temperature measurement and recording during carriage of quick-frozen foodstuffs in the corresponding comments in annex 2, appendix 1 of the ATP Handbook

5. The Russian Federation submits herewith the relevant official document for consideration.

## Proposals

6. Amend annex 2, appendix 1 as follows:

~~The transport equipment must be fitted with a suitable recording instrument to monitor, at frequent and regular intervals the air temperatures to which quick-frozen foodstuffs intended for human consumption are subjected~~ **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 measuring instrument must be certified by an accredited body and the documentation must be available for the approval of the competent ATP authorities.~~

~~The measuring instruments must comply with standards EN 12830 (Temperature recorders for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream – Tests, performance, suitability) and 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).~~

**The measuring instrument must be placed inside the body of the transport equipment:**

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

~~Temperature recordings obtained in this manner must 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 comply with the provisions of the current version of the appendix one year after the date of entry into force of the above provision. 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~~ **2010.**

7. Add the following new comments to annex 2, appendix 1 of the ATP Handbook, replacing the existing comments:

*Comments in annex 2, appendix 1:*

1. *The measuring instrument must measure air temperature in transport equipment with an accuracy of  $\pm 0.5$  ° C at most.*
2. *The measuring instrument must allow for measuring air temperature and recording/logging the measured value of air temperature:*
  - *At least once every 5 minutes if the duration of the journey does not exceed 24 hours*
  - *At least once every 15 minutes if the duration of the journey is between 24 hours and 7 days*
  - *At least once every 60 minutes if the duration of the journey exceeds 7 days*
3. *The recording instrument should make it possible to determine whether the instrument or its components for the measurement and recording and storage of the values of air temperatures have shut down during the carriage of quick-frozen perishable foodstuffs.*

## **Justification**

8. 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 also requires specifying the ATP provisions regarding the air temperature measurement inside transport equipment during the carriage of quick-frozen foodstuffs.

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

## **Costs**

10. No additional costs.

## **Feasibility**

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

## **Enforceability**

12. No problems in fitting transport equipment with the relevant 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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