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Item 5 (b) of the provisional agenda

Proposals of amendments to ATP:**new proposals****Proposal to amend Annex 1, Appendix 1, Section 6:
Harmonization of wording****Transmitted by the Government of Germany***Summary*

Executive summary:	In the ATP agreement, the term “unit” should be used for the description of thermal appliances such as refrigeration units, heating units etc. in order to avoid misinterpretations.
Action to be taken:	Amend Annex 1, Appendix 1, Section 6.
Related documents:	-

Introduction

1. In the ATP agreement, the term “unit” should be used for the description of thermal appliances such as refrigeration units, heating units etc..
2. However, in Annex 1, Appendix 1, Section 6, the term “unit” is used synonymously with the term “insulated equipment”. To avoid misinterpretations the term “unit” should therefore be replaced by the term “insulated equipment”.

Proposed amendment

3. Replace the term “unit” with “equipment” in Annex 1, Appendix 1, Section 6:

6. (a) New equipment of a specific type serially produced may be approved by testing one ~~unit~~ **item of insulated equipment** of that type. If the ~~unit~~ **insulated equipment** tested meets the class specification, the resulting test report shall be regarded as a Type Approval Certificate. This certificate shall expire at the end of a period of six years beginning from the date of completion of the test.

The date of expiry of test reports shall be stated in months and years;

- (b) The competent authority shall take steps to verify that ~~the~~ production of ~~other units~~ **all insulated equipment** is in conformity with the approved type. For this purpose it may check by testing sample ~~units~~ **insulated equipment** drawn at random from the production series;

- (c) An ~~unit~~ **item of insulated equipment** shall not be regarded as being of the same type as the ~~unit~~ **insulated equipment** tested unless it satisfies the following minimum conditions:

- (i) If it is insulated equipment, in which case the reference equipment may be insulated, refrigerated, mechanically refrigerated, heated or mechanically refrigerated and heated equipment;

The construction shall be comparable and, in particular, the insulating material and the method of insulation shall be identical;

The thickness of the insulating material shall be not less than that of the reference equipment;

The interior fittings shall be identical or simplified;

The number of doors and the number of hatches or other openings shall be the same or less; and

The inside surface area of the body shall not be as much as 20% greater or smaller;

Minor and limited modifications of added or exchanged interior and exterior fittings may be permitted:⁴

- If the equivalent volume of accumulated insulation material of all such modifications is less than 1/100th of the total volume of the insulating material in the **item of insulated ~~unit~~ equipment**;
- If the K coefficient of the tested reference equipment, corrected by a calculation of the added thermal losses, is less than or equal to the K coefficient limit of the category of the equipment; and
- If such modifications of interior fittings are carried out using the same technique, particularly as concerns glued fittings.

All modifications shall be done by or be approved by the manufacturer of the insulated equipment.

- (ii) If it is refrigerated equipment, in which case the reference equipment shall be refrigerated equipment;

The conditions set out under (i) above shall be satisfied;

Inside circulating fans shall be comparable;

The source of cold shall be identical; and

The reserve of cold per ~~unit~~ **item of insulated equipment** of inside Surface area shall be greater or equal;

(iii) If it is mechanically refrigerated equipment, in which case the reference equipment shall be either:

- (a) Mechanically refrigerated equipment;
- The conditions set out in (i) above shall be satisfied; and
 - The effective refrigerating capacity of the mechanical refrigeration appliance per ~~unit~~ **item of insulated equipment** of inside surface area, under the same temperature conditions, shall be greater or equal; or

(b) Insulated equipment which is complete in every detail but minus its mechanical refrigeration unit which will be fitted at a later date.

The resulting aperture will be filled, during the measurement of the K coefficient, with close fitting panels of the same overall thickness and type of insulation as is fitted to the front wall. In which case:

- The conditions set out in (i) above shall be satisfied; and
- The effective refrigerating capacity of the mechanical refrigeration unit fitted to insulated reference equipment shall be as defined in annex 1, appendix 2, paragraph 3.2.6.

(iv) If it is heated equipment, in which case the reference equipment may be insulated or heated equipment,

- The conditions set out under (i) above shall be satisfied;
- The source of heat shall be identical; and
- The capacity of the heating appliance per ~~unit~~ **item of insulated equipment** of inside surface area shall be greater or equal.

(v) If it is mechanically refrigerated and heated equipment, in which case the reference equipment shall be:

- (a) Mechanically refrigerated and heated equipment,
- The conditions set out under (i) above shall be satisfied;
 - and
 - The effective refrigerating capacity of the mechanical refrigeration or mechanical refrigeration-heating appliance per ~~unit~~ **item of insulated equipment** of inside surface area, under the same temperature conditions, shall be greater or equal;
 - The source of heat shall be identical; and
 - The capacity of the heating appliance per ~~unit~~ **item of insulated equipment** of inside surface area shall be greater or equal;

or

(b) Insulated equipment which is complete in every detail but minus its mechanical refrigeration, heating or mechanical refrigeration-heating appliance, which will be fitted at a later date.

The resulting aperture will be filled, during the measurement of the K coefficient, with close fitting panels of the same overall thickness and type of insulation as are fitted to the front wall, in which case:

- The conditions set out under (i) above shall be satisfied;
- and

- The effective refrigerating capacity of the mechanical refrigeration or mechanical refrigeration-heating unit fitted to insulated reference equipment shall be as defined in annex 1, appendix 2, paragraph 3.4.7;
 - The source of heat shall be identical; and
 - The capacity of the heating appliance per ~~unit~~ **item of insulated equipment** of inside surface area shall be greater or equal.
- (d) If, in the course of the six-year period, the production series exceeds 100 ~~units~~ **items of insulated equipment**, the competent authority shall determine the percentage of ~~units~~ **insulated equipment** to be tested.

Impact

- Cost: No impact.
- Feasibility: The proposed amendment can easily be implemented in ATP. A transitional period is not needed.
- Enforceability: No problems are expected.
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