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Working Party on the Transport of Perishable Foodstuffs

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Item 5 (a) of the provisional agenda
Proposals for amendments to ATP: Pending proposals

Introduction of type examination certificates as a means of establishing conformity of design and of testing carried out in accordance with ATP protocols

Transmitted by the Government of France

Summary

Executive summary: France is resubmitting the revised proposal based on document ECE/TRANS/WP.11/2009/11/Rev.1 on the introduction of a type examination certificate separate from the type test report.

Action to be taken: Distinguish between a type examination certificate and a type test report.

Related documents: None.

Introduction

1. The current wording of annex 1, appendix 1, of ATP stipulates that the test report (which contains the test results) also certifies compliance of the equipment with the requirements of ATP.

2. The interlinking of the finding of compliance with the test report poses a number of difficulties, including:

- Industrial property issues for the users of these official test reports, which contain corporate information and information required for verification of conformity to type;
- Problems in dealing with modifications to certified equipment types, which are handled using addenda to the test reports. For example, when certain variants that do not require tests have to be registered to ensure the traceability of designs deemed to be in conformity with ATP, an addendum to the test report has to be drawn up.

I. Proposal

3. To resolve these problems, it is proposed to separate the data on test results from those related to the finding of compliance, by distinguishing in ATP between:

(a) The complete test report, which would contain only the results of the type tests conducted by official testing stations, particularly confidential information of use to the manufacturer. This document would no longer be publicly available.

(b) The type examination certificate, which would include the essential characteristics that make it possible to define the approved equipment types and the elements useful for checking visual conformity with the manufactured type of unit. These type examination certificates would be drawn up with due regard for the manufacturer's requirements in terms of industrial property issues and trade secrets; they would be limited to the information required to verify that the regulations are properly applied. Given their purpose, such documents would be publicly available, thus facilitating the exchange of information between test stations.

4. A system similar to the certificate of conformity has already been set up at the international level in the updating of an agreement on the regulations governing legal metrology, which, since 1955, have been based on a principle similar to that of ATP (www.oiml.org).

5. It is proposed to replace paragraph 6 (a) of annex 1, appendix 1, with the following text:

"6. (a) Certificates of conformity may be issued for new equipment of a specific type serially produced where a type test has been conducted on one unit representative of the planned production series. The results of the type test shall be recorded in a test report. If the unit tested meets the prescribed requirements for the class to which it is presumed to belong, the test station designated or approved by the competent authority shall issue a type examination certificate.

The type examination certificate shall include the name and address of the manufacturer and, if applicable, of the manufacturer's authorized representative, the conclusions of the examination carried out by the test station to rule on compliance of the technical design of the unit presented with the applicable requirements, any conditions for its validity and the information required to identify the unit type. One or more annexes may be attached to the certificate.

The type examination certificate and its annexes shall include all the relevant information to make it possible to assess the units' compliance and to carry out in-service inspection. Specifically, to make it possible to assess the compliance of units manufactured according to the type examined, it shall include:

- The essential characteristics of the units and the class in question, in particular the characteristics that allow verification of the conditions of paragraph (c) of the annex
- Information concerning other elements required to identify the unit and check external visual conformity to type
- If necessary, all the specific information required to verify the characteristics of the manufactured unit
- In the case of a constituent part of a unit (refrigeration unit, body, etc.), all the information required to ensure compatibility with other components with which it is likely to be assembled to form a complete unit

The type examination certificate shall be valid for six years from the date of issue and may be renewed for further periods of six years if the new type test report shows continuity with the previous type test report. The manufacturer shall inform the test station holding the technical documentation, in particular the test reports corresponding to the type examination certificate, of any modifications in the units' design that might cast doubt on their compliance with the applicable requirements or the conditions of validity of the certificate. Such modifications shall require a new authorization in the form of a numbered revision to the

initial type examination certificate. The date of expiry of the certificates shall be stated in months and years.”

6. It is proposed to replace the wording of paragraph 6 (b) of annex 1, appendix 1, by the following:

“6. (b) The competent authority shall take steps to verify that the production of other units complies with the type described in the type examination certificate. For this purpose, it may check by testing sample units drawn at random from the production series.”

7. It is proposed to add a new paragraph 7 to annex 1, appendix 1, as follows:

“7. A type examination certificate appropriate to the equipment tested shall be drawn up for each test, in conformity with models A to H hereunder.”

MODEL A – Type Examination Certificate

Type Examination Certificate

No…….

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address: .....

Authorized representative: Name: .....
Address: .....

In respect of: ☐ wagon ☐ lorry ☐ trailer ☐ semi-trailer ☐ container ☐ other: .....

Technical specifications:

Make: .....Registration number: ..... Serial number: .....

Date of first entry into service: ..... Tare(2) kg ..... Carrying capacity:(2) ..... kg

Body description:

Make and type: ..... Identification number: .....
Built by: ..... Date of construction: .....

Principal dimensions

Outside: length .....m, width .....m, height .....m
Inside: length .....m, width .....m, height .....m
Total floor area of body ..... m^2
Usable internal volume of body ..... m^3
Total inside surface area S_i of body..... m^2
Total outside surface area S_e of body ..... m^2
Mean surface area: $S = \sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the body walls, structural peculiarities of the body and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K, the equipment mentioned above is assignable to the following category(3):

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

General view of the equipment

Include here a drawing or a photograph of the body

Specifications of the body walls

Unit (mm)	*Outside coating*	*Thermal insulation*	*Internal coating*	*Total*	*Density kg/m^3*
Top					
Lateral sides					
Rear door/wall					
Front face					
Bottom					

Abbreviations: GC = Gel coat/PU = Polyurethane

Structural peculiarities of the body

Accessories	*No.*	*Position in the body*	*Type (No. of door flaps)*	*Height (mm)*	*Length (mm)*	*Thickness (mm)*
Doors		Right side/ Left side				
Vents						
Other:						

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips, etc.*
- *List only those devices or accessories that have an impact on the equipment's K value.*

This type examination certificate is composed of 1 page and 1 page of annex and must be reproduced in full.

MODEL B – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address: .....

Authorized representative: Name: .....
Address: .....

In respect of: Tanks for the carriage of liquid foodstuffs

Technical specifications:

Make: ..... Registration number: ..... Serial number: .....

Date of first entry into service: .....Tare(2) kg ..... Carrying capacity:(2) ..... kg

Description of tank:

Make and type: ..... Identification number: .....
Built by: ..... Date of construction: .....

Principal dimensions:

Outside: length of cylinder ..... m, major axis ..... m, minor axis.....m
Inside: length of cylinder ..... m, major axis ..... m, minor axis.....m
Usable internal volume ..... m^3
Internal volume of each compartment ..... m^3
Inside surface area of each compartment Si1 ..... iS2 ..... m^2
Total outside surface area Se of body..... m^2
Mean surface area: S = $\sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the tank walls, structural peculiarities of the body and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K, the equipment mentioned above is assignable to the following category:(3)

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

General view of the equipment

Include here a drawing or a photograph of the body

Specifications of the tank walls

Structural peculiarities of the body

Number, dimensions and description of manholes .....

.....

Description of manhole covers .....

.....

Number, dimensions and description of discharge piping .....

.....

Number and description of tank cradles .....

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips etc.*
- *List only those devices or accessories that have an impact on the equipment's K value.*

This type examination certificate is composed of 1 page and 1 page of annex and must be reproduced in full.

MODEL C – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address:.....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address:.....

Authorized representative: Name: .....
Address:.....

In respect of: Refrigerated equipment using ice or dry ice (☐ *wagon* ☐ *lorry* ☐ *trailer* ☐ *semi-trailer* ☐ *container* ☐ *other*: .....)

Technical specifications:

Make: .....Registration number: ..... Serial number: .....

Date of first entry into service: ..... Tare(2) kg ..... Carrying capacity:(2)..... kg

Body description:

Make and type: ..... Identification number: .....
Built by: ..... Date of construction: .....

Description of cooling appliance:

Manufacturer: .....
Type, serial number: .....
Year of manufacture: .....

Specifications of the equipment, structural peculiarities and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K and the performance of the cooling appliance, the equipment mentioned above is assignable to the following category:(3)

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)	☐ A
		☐ B
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)	☐ A
		☐ B

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

General view of the equipment

Include here a drawing or a photograph of the equipment

Principal dimensions of the body:

Outside: length ..... m, width ..... m, height.....m
Inside: length ..... m, width ..... m, height.....m
Total floor area of body..... m^2
Usable internal volume of body ..... m^3
Total inside surface area S_i of body..... m^2
Total outside surface area S_e of body ..... m^2
Mean surface area: S = $\sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the body walls

Unit (mm)	*Outside coating*	*Thermal insulation*	*Internal coating*	*Total*	*Density kg/m³*
Top					
Lateral sides					
Rear door/wall					
Front face					
Bottom					

Abbreviations: GC = Gel coat/PU = Polyurethane

Structural peculiarities of the body

Accessories	*No.*	*Position in the body*	*Type (No. of door flaps)*	*Height (mm)*	*Length (mm)*	*Thickness (mm)*
Doors		Right side/ Left side				
Vents						
Other:						

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips etc.*
- *List only those that have an impact on the equipment's K value.*

Description of cooling appliance:

Nature of refrigerant .....
Nominal refrigerant filling capacity specified by manufacturer ..... kg
Actual filling of refrigerant used for test .....
Drive ☐ independent ☐ dependent ☐ mains-operated
Cooling appliance ☐ removable ☐ not removable
Filling device .....
Inside ventilation appliances:
Description (number of appliances, etc.) .....
Power of electric fans ..... W
Delivery rate ..... m^3/h
Dimensions of ducts: cross-section ..... m^2, length ..... m
Air intake screen; description[1] .....

This type examination certificate is composed of 1 page and 1 page of annex and must be reproduced in full.

MODEL D – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address:.....

Authorized representative: Name: .....
Address:.....

In respect of: Refrigerated equipment using eutectic plates (☐ wagon ☐ lorry ☐ trailer ☐ semi-trailer ☐ container ☐ other: .....)

Technical specifications:

Make: ..... Registration number: .....
Serial number: ..... Date of first entry into service: .....
Tare(2) kg ..... Carrying capacity:(2) ..... kg

Body description:

Make and type: ..... Identification number: .....
Built by: ..... Date of construction: .....

Description of cooling appliance:

Manufacturer: .....
Type, serial number: .....
Year of manufacture: .....
Specifications of the equipment, structural peculiarities and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K and the performance of the cooling appliance, the equipment mentioned above is assignable to the following category:(3)

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)	☐ A
		☐ B
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)	☐ A
		☐ B

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

General view of the equipment

Include here a drawing or a photograph of the equipment

Principal dimensions of the body:

Outside: length ..... m, width ..... m, height.....m
Inside: length ..... m, width ..... m, height.....m
Total floor area of body..... m^2
Usable internal volume of body ..... m^3
Total inside surface area S_i of body walls ..... m^2
Total outside surface area S_e of body walls ..... m^2
Mean surface area: S = $\sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the body walls

Unit (mm)	*Outside coating*	*Thermal insulation*	*Internal coating*	*Total*	*Density kg/m³*
Top					
Lateral sides					
Rear door/wall					
Front face					
Bottom					

Abbreviations: GC = Gel coat/PU = Polyurethane

Structural peculiarities of the body

Accessories	*No.*	*Position in the body*	*Type (No. of door flaps)*	*Height (mm)*	*Length (mm)*	*Thickness (mm)*
Doors		Right side/ Left side				
Vents						
Other:						

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips etc.*
- *List only those devices or accessories that have an impact on the equipment's K value.*

Description of cooling appliance:

Description .....
Nature of eutectic solution .....
Nominal eutectic solution filling capacity specified by manufacturer ..... kg
Latent heat at freezing temperature stated by manufacturer ..... kJ/kg at .....°C
Drive ☐ independent ☐ dependent ☐ mains-operated[1]
Cooling appliance ☐ removable ☐ not removable[1]
Eutectic plates: Make ..... Type .....
Dimensions and number of plates, where situated, distance from walls (attach drawing) .....
.....
Total cold reserve stated by manufacturer for freezing temperature of ..... kJ at .....°C
Inside ventilation appliances (if any):
Description .....
Automatic devices .....
Mechanical refrigerator (if any):

Make ..... Type ..... No. .....
Where situated ....
Compressor: Make ..... Type .....

Type of drive .....
Nature of refrigerant .....
Condenser .....
Refrigerating capacity stated by the manufacturer for the specified freezing temperature and an outside temperature of + 30 °C ....

Automatic devices:

Make ..... Type .....
Defrosting (if any) .....
Thermostat .....
LP pressostat .....
HP pressostat .....
Relief valve .....
Other .....

Accessories:

Electrical heating devices of the door joint:

Capacity by linear metre of the resistor ..... W/m
Linear length of the resistor .....

This type examination certificate is composed of 1 page and 1 page of annex and must be reproduced in full.

MODEL E – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address: .....

Authorized representative: Name: .....
Address: .....

In respect of: Refrigerated equipment using liquified gases (☐ wagon ☐ lorry ☐ trailer ☐ semi-trailer ☐ container ☐ other: .....)

Technical specifications:

Make:..... Registration number: .....
Serial number: ..... Date of first entry into service:.....
Tare(2) kg ..... Carrying capacity:(2)..... kg

Body description:

Make and type: ..... Identification number: .....
Built by: ..... Date of construction: .....

Description of cooling appliance:

Manufacturer: .....
Type, serial number: .....
Year of manufacture: .....

Specifications of the equipment, structural peculiarities and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K, the equipment mentioned above is assignable to the following category:(3)

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)	☐ A
		☐ B
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)	☐ A
		☐ B

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

General view of the equipment

Include here a drawing or a photograph of the body

Principal dimensions of the body:

Outside: length ..... m, width ..... m, height..... m
Inside: length ..... m, width ..... m, height.....m
Total floor area of body..... m^2
Usable internal volume of body ..... m^3
Total inside surface area S_i of body..... m^2
Total outside surface area S_e of body ..... m^2
Mean surface area: S = $\sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the body walls

Unit (mm)	*Outside coating*	*Thermal insulation*	*Internal coating*	*Total*	*Density kg/m³*
Top					
Lateral sides					
Rear door/wall					
Front face					
Bottom					

Abbreviations: GC = Gel coat/PU = Polyurethane

Structural peculiarities of the body

Accessories	*No.*	*Position in the body*	*Type (No. of door flaps)*	*Height (mm)*	*Length (mm)*	*Thickness (mm)*
Doors		Right side/ Left side				
Vents						
Other:						

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips etc.*
- *List only those devices or accessories that have an impact on the equipment's K value.*

Description of cooling appliance:

Description .....
Drive ☐ independent ☐ dependent ☐ mains-operated[1]
Cooling appliance ☐ removable ☐ not removable[1]
Manufacturer .....
Type, serial number .....
Year of manufacture .....
Nature of refrigerant .....
Nominal refrigerant filling capacity specified by manufacturer ..... kg
Actual filling of refrigerant used for test ..... kg
Description of tank
Filling device (description, where situated) .....

Inside ventilation appliances:

Description (number, etc.) .....
Power of electric fans ..... W
Delivery rate ..... m^3/h
Dimensions of ducts: cross-section ..... m^2, length ..... m
Automatic devices: ..... Mechanical refrigerator (if any): .....
Make ..... Type .....
Where situated .....
Compressor: Make ..... Type ..... No. .....
Type of drive .....
Nature of refrigerant .....
Condenser .....
Refrigerating capacity stated by the manufacturer for the specified freezing temperature and an outside temperature of + 30 °C ..... W

Automatic devices:

Make ..... Type .....
Defrosting (if any) .....
Thermostat .....
LP pressostat .....
HP pressostat .....
Relief valve .....
Other .....

Accessories:

Electrical heating devices of the door joint:

Capacity by linear metre of the resistor ..... W/m
Linear length of the resistor .....

This type examination certificate is composed of 1 page and 1 page of annex and must be reproduced in full.

MODEL F – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address: .....

Authorized representative: Name: .....
Address: .....

In respect of: Mechanically refrigerated equipment (☐ wagon ☐ lorry ☐ trailer ☐ semi-trailer ☐ container ☐ other: .....)

Technical specifications:

Make: ..... Registration number: .....
Serial number: .....Date of first entry into service: .....
Tare(2) kg ..... Carrying capacity:(2)..... kg

Body description:

Make and type: .....Identification number: .....
Built by: ..... Date of construction: .....

Description of cooling appliance:

Manufacturer: .....
Type, serial number: .....
Year of manufacture: .....

Specifications of the equipment, structural peculiarities and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K and the performance of the cooling appliance, the equipment mentioned above is assignable to the following category:(3)

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)	☐ A
		☐ B
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)	☐ C
		☐ D
		☐ E
		☐ F

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/3

General view of the equipment

Include here a drawing or a photograph of the body

Principal dimensions of the body:

Outside: length ..... m, width ..... m, height..... m
Inside: length ..... m, width ..... m, height.....m
Total floor area of body..... m^2
Usable internal volume of body ..... m^3
Total inside surface area S_i of body ..... m^2
Total outside surface area S_e of body ..... m^2

Mean surface area: S = $\sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the body walls

Unit (mm)	*Outside coating*	*Thermal insulation*	*Internal coating*	*Total*	*Density kg/m³*
Top					
Lateral sides					
Rear door/wall					
Front face					
Bottom					

Abbreviations: GC = Gel coat/PU = Polyurethane

Structural peculiarities of the body

Accessories	*No.*	*Position in the body*	*Type (No. of door flaps)*	*Height (mm)*	*Length (mm)*	*Thickness (mm)*
Doors		Right side/ Left side				
Vents						
Other:						

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips etc.*
- *List only those devices or accessories that have an impact on the equipment's K value.*

Description of mechanical refrigerating appliances:

Drive ☐ independent ☐ dependent ☐ mains-operated[1]
Mechanical refrigerating appliances ☐ removable ☐ not removable
Nature of refrigerant and filling capacity .....
Effective refrigerating capacity stated by manufacturer for an outside temperature of + 30 °C and an inside temperature of:
0 °C .....
-10 °C .....
-20 ° C .....
Compressor:
Make ..... Type .....
Drive: electric thermal hydraulic
Description: .....
Make .....type ..... power..... kW..... at .....
Condenser and evaporator.....
Motor element of fan(s): make ..... type ..... No. .....
power ..... kW ..... at ..... rpm

This type examination certificate is composed of 1 page and 2 pages of annex and must be reproduced in full.

Annex to Type Examination Certificate No……..

Page 3/3

Inside ventilation appliances:

Description (number of appliances, etc.) .....
Power of electric fans ..... W
Delivery rate ..... m^3/h
Dimensions of ducts: cross-section ..... m^2 length..... m

Automatic devices:

Make ..... type .....
Defrosting (if any) .....
Thermostat .....
LP pressostat .....
HP pressostat .....
Relief valve .....
Other .....

This type examination certificate is composed of 1 page and 2 pages of annex and must be reproduced in full.

MODEL G – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address: .....

Authorized representative: Name: .....
Address: .....

In respect of: Heated equipment (☐ wagon ☐ lorry ☐ trailer ☐ semi-trailer ☐ container ☐ other: .....)

Technical specifications:

Make: ..... Registration number: .....
Serial number: ..... Date of first entry into service: .....
Tare(2) kg..... Carrying capacity:(2) ..... kg

Body description:

Make and type: .....Identification number: .....
Built by: .....Date of construction: .....

Description of heating appliance:

Manufacturer .....
Type, serial number .....
Year of manufacture .....

Specifications of the equipment, structural peculiarities and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: On the basis of the results contained in test report No. XXXX issued by [NAME] on [DD/MM/YYYY], especially the K coefficient value established to be equal to …… W/m²K and the performance of the cooling appliance, the equipment mentioned above is assignable to the following category:(3)

I	☐ N (Normally insulated equipment characterized by a K coefficient equal to or less than 0.70 W/m²K)	☐ A
	☐ R (Heavily insulated equipment characterized by a K coefficient equal to or less than 0.40 W/m²K and by sidewalls with a thickness of at least 45 mm for transport equipment of a width greater than 2.50 m)	☐ B
		☐ C

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

General view of the equipment

Include here a drawing or a photograph of the equipment

Principal dimensions of the body:

Outside: length ..... m, width ..... m, height..... m
Inside: length ..... m, width ..... m, height..... m
Total floor area of body ..... m^2
Usable internal volume of body ..... m^3
Total inside surface area S_i of body ..... m^2
Total outside surface area S_e of body ..... m^2
Mean surface area: S = $\sqrt{S_i \cdot S_e}$ ..... m^2

Specifications of the body walls

Unit (mm)	*Outside coating*	*Thermal insulation*	*Internal coating*	*Total*	*Density kg/m³*
Top					
Lateral sides					
Rear door/wall					
Front face					
Bottom					

Abbreviations: GC = Gel coat/PU = Polyurethane

Structural peculiarities of the body

Accessories	*No.*	*Position in the body*	*Type (No. of door flaps)*	*Height (mm)*	*Length (mm)*	*Thickness (mm)*
Doors		Right side/ Left side				
Vents						
Other:						

Supplementary devices and accessories:

- *List here supplementary devices or accessories like lighting, meat rails, meat rail runner stops, kick-strips etc.*
- *List only those devices or accessories that have an impact on the equipment's K value.*

Description of mechanical refrigerating appliance:

Description .....
Drive ☐ independent ☐ dependent ☐ mains-operated[1]
Heating appliance removable / not removable[1]
Manufacturer .....
Where situated .....
Overall area of heat exchange surfaces ..... m^2
Effective power rating as specified by manufacturer ..... kW

Inside ventilation appliances:

Description (number of appliances, etc.) .....
Power of electric fans ..... W
Delivery rate ..... m^3/h
Dimensions of ducts: cross-section ..... m^2, length ..... m

This type examination certificate is composed of 1 page and 1 page of annex and must be reproduced in full.

MODEL H – Type Examination Certificate

Type Examination Certificate

No……..

Issued by approved testing station/expert:(1) Name: .....
Address: .....

In accordance with: the provisions of the Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)

Manufacturer: Name: .....
Address: .....

Authorized representative: Name: .....
Address: .....

In respect of: a refrigeration unit
☐ self-contained ☐ not self-contained ☐ removable ☐ not removable ☐ single unit ☐ assembled

Technical specifications:
Date of manufacture: ..... Make: .....
Type: ..... Serial No.: .....

Description of the unit:

Compressor: .....Make: ..... type .....
Number of cylinders: ....., cubic capacity: ..... nominal speed of rotation: ..... rpm
Type of drive:
☐ electric motor ☐ separate internal combustion engine ☐ vehicle engine ☐ vehicle motion
Compressor drive motor:
Electrical: make ..... type ..... power ..... kW ..... at ..... rpm
Supply voltage: ..... V, supply frequency: ..... Hz
Internal combustion engine: Make ..... type ..... Number of cylinders .....
Cubic capacity: ..... power ..... kW ..... at ..... rpm
Fuel: .....
Hydraulic motor: Make ..... type .....
Type of drive: .....
Alternator: Make ..... type .....
Speed of rotation given by the manufacturer: Nominal..... rpm, Minimum ..... rpm
Speed of rotation given by the manufacturer: Nominal..... rpm, Minimum ..... rpm
Refrigerant fluid: ..... Nominal capacity of refrigerant: .....

Specifications of the equipment, structural peculiarities and supplementary accessories are listed in the annex to this certificate.

Declaration of conformity: Transport equipment equipped with a refrigeration unit corresponding to this certificate may be accepted as mechanically refrigerated equipment without undergoing an efficiency test if the effective refrigerating capacity of the appliance in continuous operation, as set out in the annex of the present certificate, exceeds the heat loss through the walls for the class of ATP under consideration, multiplied by the factor 1.75.

Valid until: This certificate is valid for a period of 6 years from its date of issue

Date of issue ..... *Signature of the issuing authority representative*

Important: The principal characteristics of the equipment subject to approval are set out in the annex hereto, which forms part of the approval documents and consists of ... page(s). All documents are registered by the approved testing station which issued this certificate. The manufacturer shall inform the approved test station that holds the technical documentation concerning this Type Examination Certificate of all modifications to the equipment that may affect its conformity with the requirements or the conditions for validity of this certificate. Such modifications require additional approval in the form of an addition to this original Type Examination Certificate.

(1) *Delete as necessary (experts only in the case of tests carried out under ATP annex 1, appendix 2, para. 27 or 49).* (2) *State source of information.* (3) *Check the box corresponding to the applicable category.*

Annex to Type Examination Certificate No……..

Page 2/2

Description of type of refrigeration unit

Specifications of the unit

Heat exchangers		Condenser	Evaporator
Make and type:			
No. of tubes			
Fin pitch (mm)			
Tube: nature and diameter (mm)			
Exchange surface area (m^2)			
Frontal area (m^2)			
FANS	No.		
	No. of blades per fan		
	Diameter (mm)		
	Nominal power (W)		
	Total nominal output (m^3/h) at a pressure of …… Pa		
	Type of drive		

Expansion valve: Make: ..... Model: ..... ☐ Adjustable ☐ Not adjustable
Defrosting device: .....
Automatic device: .....
Safety device: .....

Mean temperature at inlet to evaporator	**Effective refrigerating capacity (Wo) W**
Engine driven: - 20 °C - 10 °C 0 °C	Nominal compressor speed (...rpm)
Electric motor driven - 20 °C - 10 °C 0 °C	Nominal compressor speed (...rpm)

This type examination certificate is composed of 2 pages and must be reproduced in full.

II. Justification

8. The purpose of this amendment is to remedy the difficulties associated with the interlinking of the finding of compliance with the test report, particularly:

- Industrial property issues for the users of these official test reports, which contain corporate information and information required for verification of conformity to type;
- Problems in dealing with modifications to certified equipment types, which are handled using addenda to the test reports. For example, when certain variants that do not require tests have to be registered to ensure the traceability of designs deemed to be in conformity with ATP, an addendum to the test report has to be drawn up.

III. Impact

9. The technical impact will be very positive, as information that is already public and official in practice will become genuinely public and official, and communication of such information will be harmonized. Intellectual property will be strengthened, as the private information from the report will not be disseminated; only the information on the certificate will be.

10. The financial impact is minimal. The cost of a type certificate is modest in relation to the services it provides for users and for safety by certifying the truthfulness of the information communicated.

IV. Feasibility

11. Given the current information systems used by testing stations, the generation of this new document does not imply any additional constraints for the official ATP testing stations. A model type certificate will need to be drawn up in consultation with the testing stations.