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ATP BODY KITS

Transmitted by the Liaison Committee of the Body and
Trailer Building Industry (CLCCR)

Introduction

For many years already bodies of ATP vehicles are often assembled from a kit. Some contracting parties have reported that with the resulting vehicles the K-value of subsequent vehicles is sometimes very different of that of the prototype. The reason for this is well known and the aim of this proposal is to establish a procedure that will resolve the problem.

At the 2002 session of WP11, CLCCR offered to draft a proposal, based on the contents of documents previously submitted to WP11 and based on current best practice.

At the 2003 session of WP11, CLCCR introduced the proposal and delegates to the 2003 session of WP11 made a number of observations and recommendations.

At the 2004 session of WP11, CLCCR re-introduced the proposal which contained all the observations and recommendations made by the WP11 delegates. A number of further recommendations and changes to the text were made and the meeting requested CLCCR to incorporate these also into the text and to re-submit the proposal for consideration at the 2005 session of WP11.

This document is the revised proposal as requested. It consists of the previous text with incorporated into it all the comments and recommendations made by the various delegations. It also contains the Spanish proposal TRANS/WP11/2005/5.

This proposal does not change the way in which ATP works today, it is an addition to the existing ATP. The purpose of these additions is to do away with some malpractices that lead to problems. This proposal

does not change the approval authority's tasks and responsibilities, these remain exactly the same as today. The proposal also makes it clear that an approval authority can always verify every body.

The numbering follows the existing ATP text; the numbering in brackets refers to the proposed new structure of the text.

Justification

The procedure as laid down in this proposal will ensure that all subsequent bodies are identical to the body that was ATP type tested and approved. Such a procedure is not part of the ATP today and this leads to approval authorities finding problems today with bodies that do not have the same K-value as the body that was type tested and approved.

Proposal

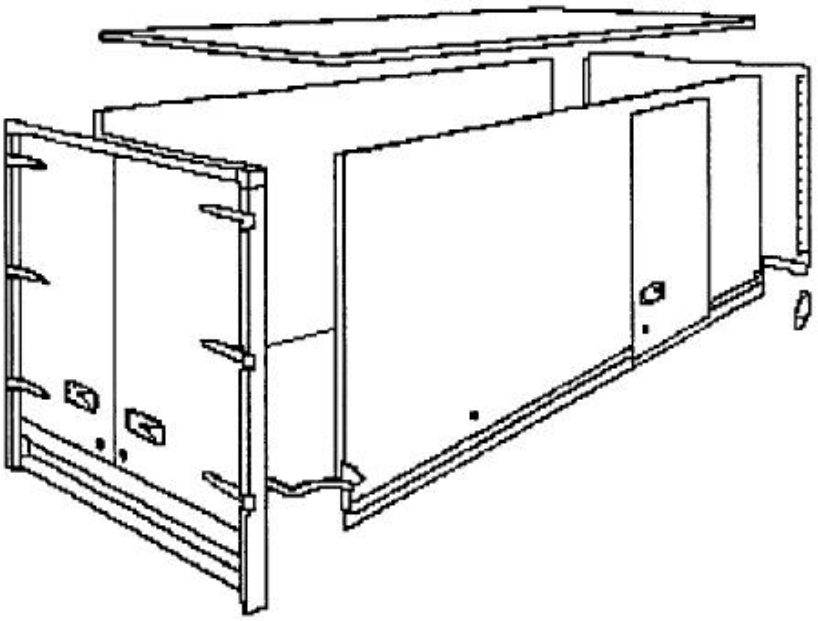
In Annex 1, Appendix 2 of the ATP Agreement, (renumber sections 5, 6 and 7 to read 6, 7 and 8 and) insert the following (new section 5):

"E (5) BODY KITS

61 (5.1) Definitions

For the purposes of this part:

(a) Body kit: means the constituent parts of an insulated body consisting of as a minimum, those parts of importance to the overall heat transfer: side walls, a roof, a floor, a front end and a rear end, as well as their means of connection. The major parts of a body kit are delivered in a non-assembled form. Rear frame and door(s), if any, shall be supplied fully assembled and operable. Side door(s), if any, shall be built into the side walls and be fully operable;



(b) Body: means a body kit that has been assembled in accordance with the manufacturer's instructions and which is in conformity with the type that has been tested and approved by an approved testing station;

(c) Manufacturer: means the organisation that has design and production responsibility for the kit and to which the Type Approval Certificate has been issued. This organisation must deliver the certificate of conformity and have its factory and installations in a country which is a contracting party to the ATP;

(d) Assembler: means the organisation that has assembled the body kit in conformance with the manufacturer's instructions. This organisation must have its factory and installations in a country which is a contracting party to the ATP.

62 (5.2) Manufacturer's obligations

The manufacturer shall have a body assembled from a kit ATP type tested prior to supplying kits to assemblers. An ATP type test for a particular kit remains valid for 6 years or 100 kits. After 6 years or after 100 kits a new ATP type test is to be carried out.

The manufacturer shall ensure that the kit delivered corresponds with the type tested and that the inside surface area does not vary by more than +/- 20% of the surface area of the type tested.

The manufacturer shall attest that the assembler has the competence to assemble the kit in accordance with the manufacturer's instructions. The manufacturer shall conduct audits at least every 3 years, to verify the continued competence of the assembler.

The manufacturer shall supply at least all parts as used in the ATP type test.

The manufacturer shall provide the assembler with a parts list corresponding to the kit delivered. The parts list shall bear the kit serial number. The manufacturer shall provide detailed assembly instructions with each kit. These instructions shall include the principal internal dimensions of length, height and width.

The manufacturer shall supply evidence to the assembler that the constituent parts of the kit are in conformity with the parts used in the construction that has been tested and approved by the approved testing station.

The manufacturer shall, in addition to Annex 1, Appendix 1, §6, deliver a filled-in type plate installed on the kit. The type plate shall state the kit serial number and kit production date.

The manufacturer's instructions shall provide details on at least the following:

- the assembly sequence;

- the attachment of the floor to the vehicle;

- the fixing of the refrigeration unit, if applicable; and

- details on the handling and use of all those components contributing to the heat transfer. This includes the adhesive(s).

The manufacturer shall keep a record relating kit serial numbers to the assembler to which the kits were supplied.

The manufacturer shall complete the Declaration of Compliance of the Body Kit with the ATP Type Test Report (Model No 11).

63 (5.3) Assembler's obligations

Before assembly of the first kit, the assembler shall be in possession of a certificate issued by the kit manufacturer attesting his competence in relation to the type of kit to be assembled. The original type plate installed by the manufacturer shall not be removed by the assembler.

The assembler shall ensure that the manufacture's instructions are fully adhered to and that an appropriate quality management system is practiced.

The assembler shall complete the Declaration of Compliance for a Body assembled from a Kit (Model No 12).

64 (5.4) Approval process

Bodies may be sold in the name of the manufacturer and/or of the assembler. However, it shall be possible to identify the manufacturer from the documentation and from the type plate. If it is not possible to identify the manufacturer, the body shall be considered as a new type and must be submitted for test by an approved testing station. The subsequent re-testing renders the original type test invalid and the manufacturer no longer bears any responsibility in relation to the body.

The type approval certificate issued to the manufacturer by the approved testing station shall only remain valid, if:

- the kit supplied contains at least all those parts as used in the ATP type test;

- the manufacturer's assembly instructions have been fully complied with; and

- any additional equipment affecting the overall heat transfer was present at the time of the original type test.

Where this requirement is not fully complied with, a new ATP type test shall be conducted. In addition to the normal documentation required under the ATP Agreement for an individual ATP approval certificate, the following shall be supplied to the Competent Authority:

- a test report;

- a declaration by the manufacturer of compliance of the Body Kit with the ATP Type Test Report (Model No 11);

- a declaration of conformity for a Body assembled from a kit, completed by the assembler (Model No 12); and

- a copy of the certificate issued by the manufacturer attesting the competence of the assembler to assemble the kit for which approval is being sought (Model No 13).

Declarations shall be in at least one language of the ATP.

The competent ATP Authority may verify each equipment by applying paragraphs 29 (6) and 49b (7), prior to issuing an ATP certificate.

MODEL No. 11

Declaration by the manufacturer of compliance of the Body Kit with the ATP Type Test Report

Manufacturer's name and address .....

.....

.....

Type of equipment ..... (lorry, semi-trailer, trailer, container, etc.)

Body kit serial number .....

Date of manufacture of the body kit .....

Internal dimensions of the body that was ATP type tested (mm):

length....., **width** ....., **height** .....

External dimensions of the body that was ATP type tested (mm):

length....., **width** ..... , **height** .....

Thickness of insulation (mm): side wall..... , **roof**..... **floor**.....

front end..... , **rear end**....., **door**.....

Name of testing station and ATP type approval test report number .....

.....

.....

K-value …… **W/m^{2}K (**according to the ATP type test report)

Date of ATP type test report .....

The manufacturer certifies that all parts supplied within this Body Kit conform to the parts as used in the Body that was ATP type tested and approved.

Signature of manufacturer Manufacturer's stamp

Name .....

Function in company .....

Date .....

MODEL No. 12

Declaration of Conformity for a Body assembled from a kit

Manufacturer's name and address.....
.....
.....

Type of equipment …….. (lorry, semi-trailer, trailer, container, etc.)

Body kit serial number .....

Date of manufacture of the body kit .....

Internal dimensions (mm): length..... , **width** ....., **height** .....

External dimensions (mm): length..... , **width** ....., **height** .....

Thickness of insulation (mm): side wall..... , **roof**....., **floor**.....

front end..... , **rear end**....., **door**.....

Name of testing station and ATP type approval test report number .....
.....

K-value …… **W/m^{2}K** (according to the ATP type test report)

Date of the ATP type test report .....

Assembler's name and address.....
.....
.....

Assembler's identification of body (if any) .....

The assembler certifies that for the above body the manufacturer's instructions have been strictly adhered to and that no modifications to the body have been carried out.

Signature of assembler Assembler's stamp

Name .....

Function in company .....

Date ….....

MODEL No. 13

Certificate attesting the competence of an assembler to assemble a specific ATP body kit

We, the undersigned ATP body kit manufacturer, hereby attest that (name of company or individual) ……..…….……. has successfully completed a course on the assembly of ATP body kit (type/model n°) ……

The company/individualstated above has satisfied us of their/his competence to assemble this kit professionally and according to our instructions. This company/individual is therefore approved as a qualified assembler for the ATP Body Kit referenced above.

Signature of manufacturer Manufacturer's stamp

Name ……
Function in company ……
Date ……..

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