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Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Perishable Foodstuffs

Seventy-fourth session

Geneva, 8-12 October 2018

Item 7 of the provisional agenda

ATP Handbook

ATP Handbook: Annex 1, Appendix 2, paragraph 1.2

Transmitted by the governments of Germany and United Kingdom

Introduction

1. At the seventy-first session of WP.11 the United Kingdom submitted a revised proposal to harmonise the external surface area measurements of panel vans and test reports (ECE/TRANS/WP.11/2015/2), this was adopted.
2. At last year's seventy-third session of WP.11 the proposal was published in the latest ATP agreement dated 6 January 2018. Subsequently at the latest CERTE meeting in Germany it was noted that the equations were different compared to the CEN standard, these corrections to the equations are to harmonise the ATP and CEN standards.
3. Germany and the United Kingdom propose to amend the figures in paragraph 1.2 in the ATP handbook with the following:

Original Text

Figure 1

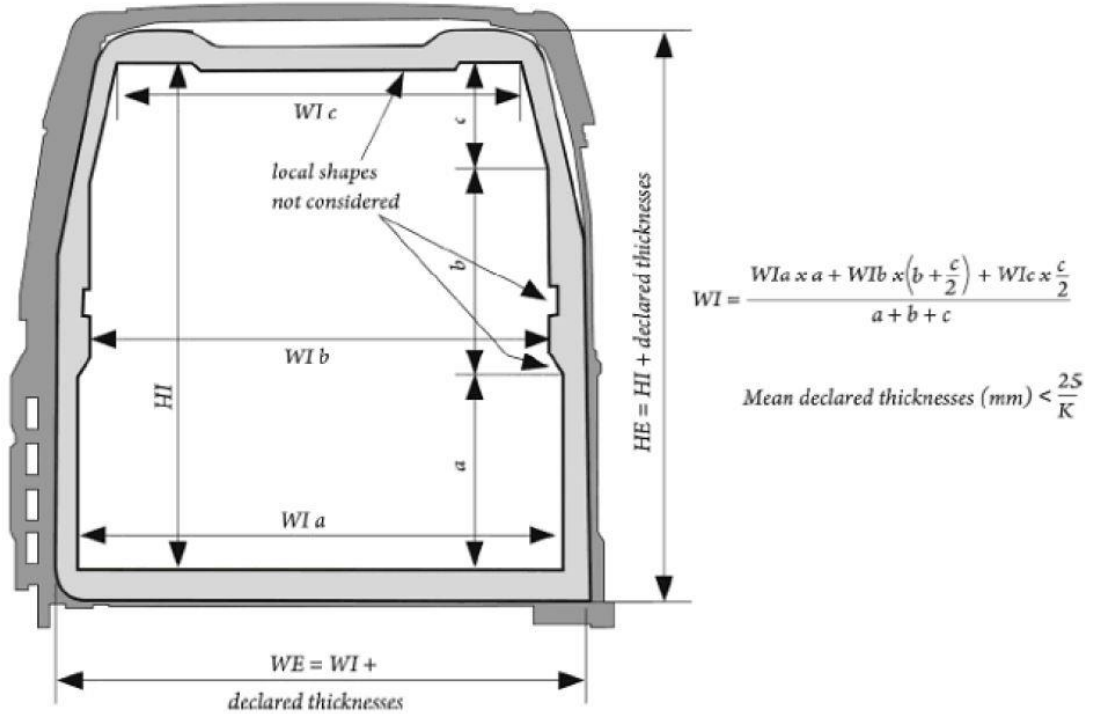


Figure 2

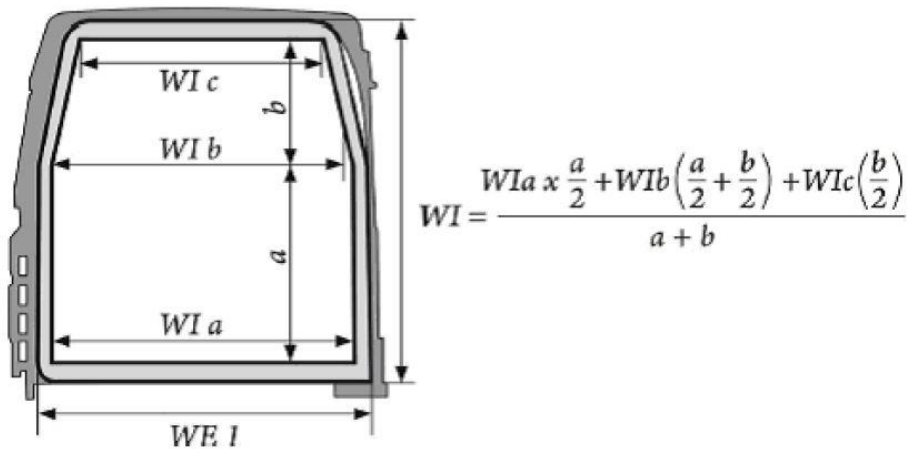
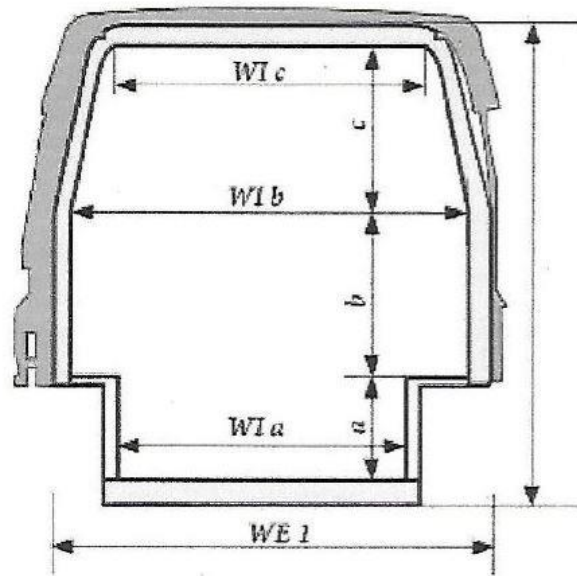


Figure 3



$$WE = WI + \text{mean declared thicknesses}$$

$$WI = \frac{((Wl_{bx}b) + (Wl_{bx}c) - ((Wl_b - Wl_c) \times c) + (Wl_{bx}a) + (2 \times ((Wl_b - Wl_a) \times a)))}{(a + b + c)}$$

key

Wl_{ia} internal width between the wheel arches

Wl_{ib} internal width above the wheel arches

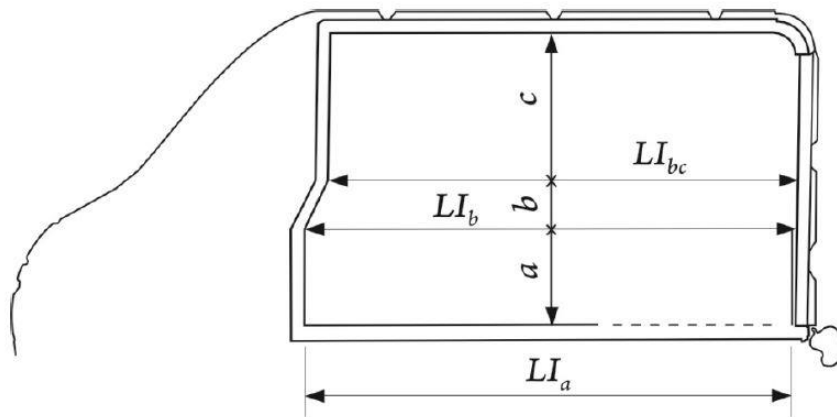
Wl_{ic} internal width of the roof

a internal height of the wheel arches

b internal height above the wheel arches

c internal height above the wheel arches where the side wall width ends

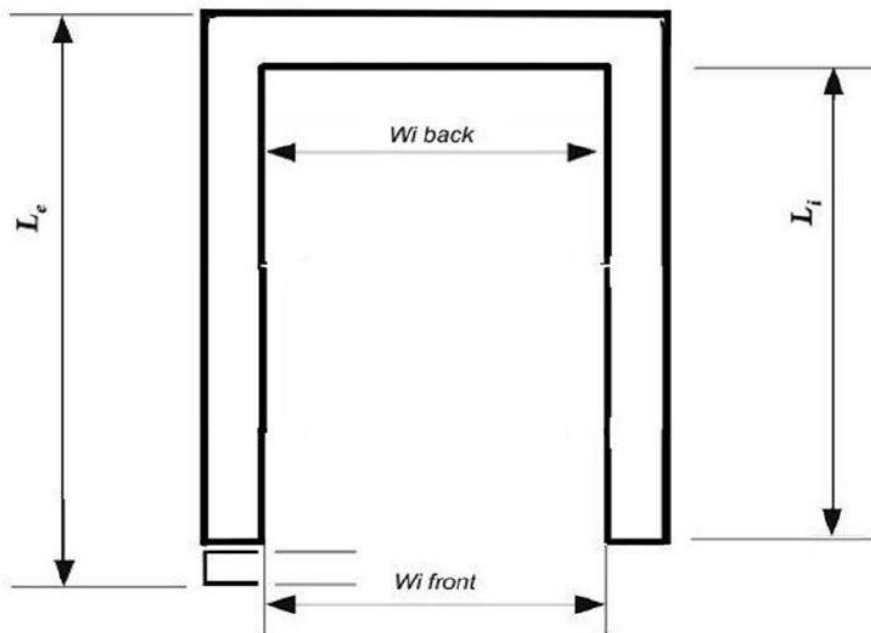
Figure 4



$$LI = \frac{(LI_a \times a) + (LI_b + LI_c) / 2 \times b + (LI_c \times c)}{a + b + c}$$

$$LE = LI + \text{mean declared thicknesses}$$

Figure 5



$$Wi = \frac{(Wi \text{ back} + Wi \text{ front})}{2}$$

$$We = Wi + \text{mean declared thickness}$$

Proposed amendment

Figure 1

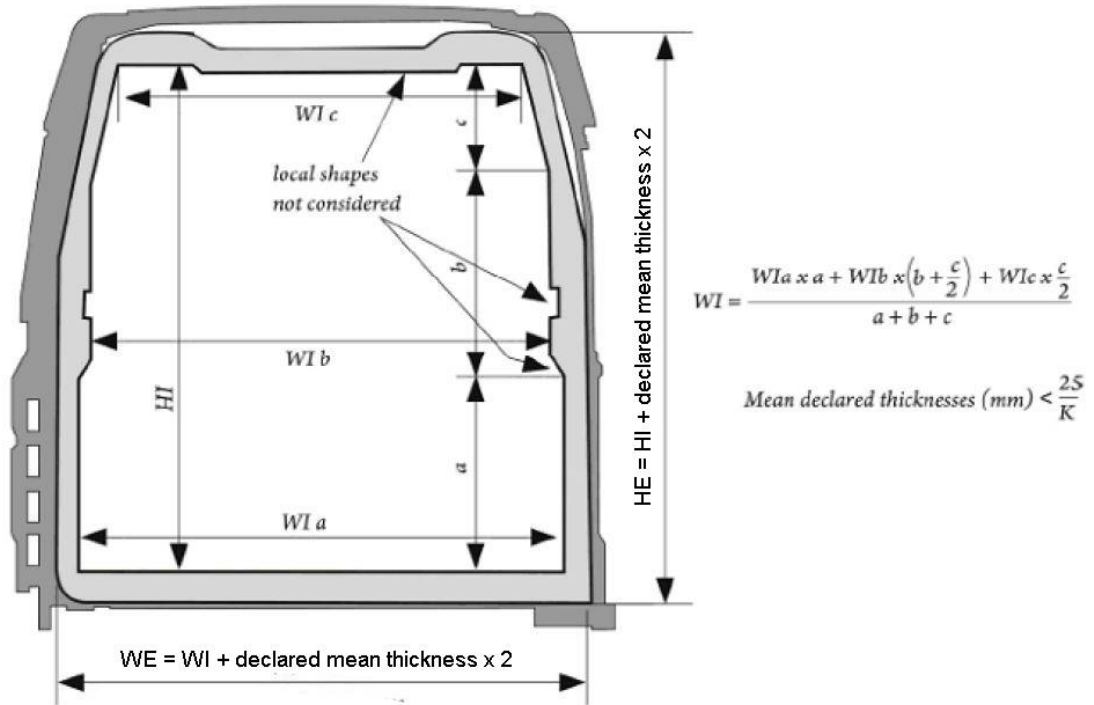


Figure 2

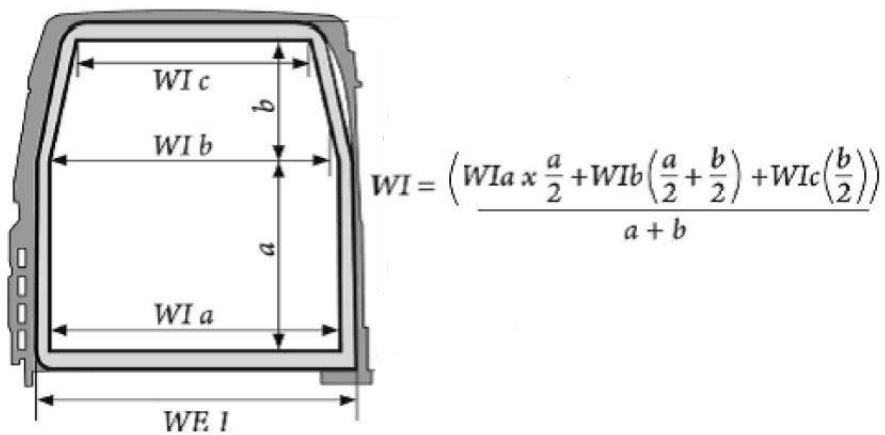
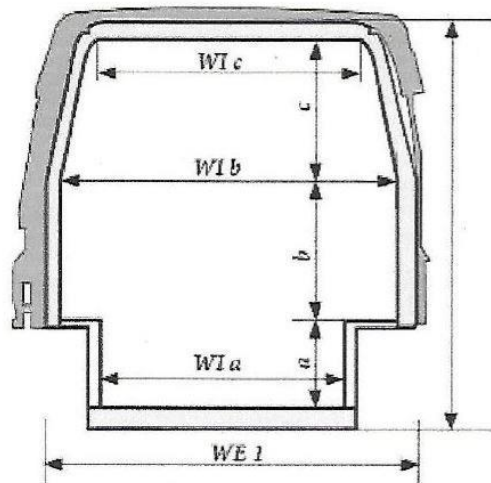


Figure 3



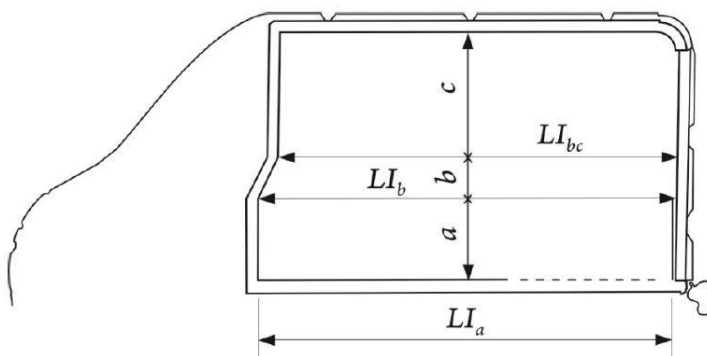
$$W_E = W_I + \text{declared mean thickness} \times 2$$

$$W_I = \frac{W_{Ia} \times a + W_{Ib} \times b + \frac{W_{Ib} + W_{Ic}}{2} \times c}{a + b + c}$$

key

- W_{Ia} internal width between the wheel arches
- W_{Ib} internal width above the wheel arches
- W_{Ic} internal width of the roof
- a internal height of the wheel arches
- b internal height above the wheel arches
- c internal height above the wheel arches where the side wall width ends

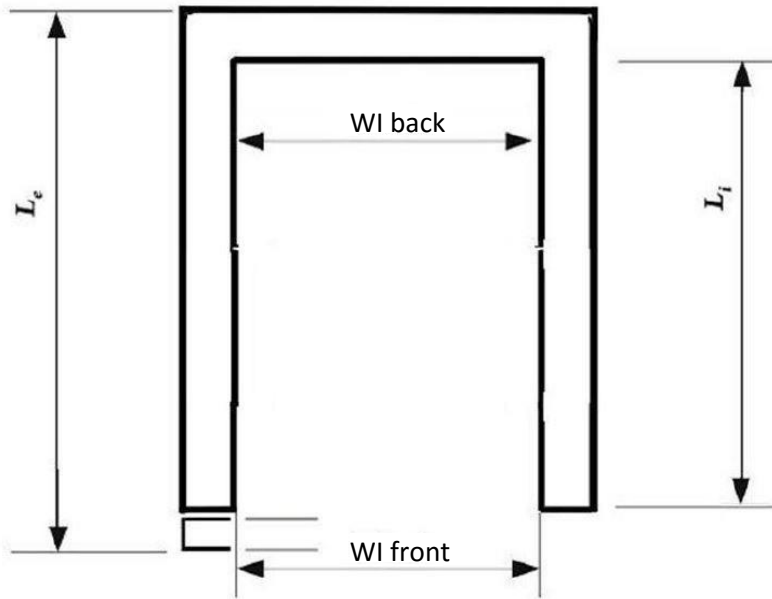
Figure 4



$$L_I = \frac{(L_{Ia} \times a) + (L_{Ib} + L_{Ic})/2 \times b + (L_{Ic} \times c)}{a + b + c}$$

$$L_E = L_I + \text{declared mean thickness} \times 2$$

Figure 5



$$WI = \frac{WI\ back + WI\ front}{2}$$

$$WE = WI + \text{mean declared thickness} \times 2$$

Impact

4. There would be no financial impact to industry.