

Proposal for an amendment to Regulation No 107 (M₂ and M₃ vehicles)

The text reproduced below has been prepared by the expert from the European Commission to provide a specific area in city bus of Class I which would allow the child to remain seated in his pram or pushchair. It supersedes document ECE/TRANS/WP29/GRSG/2010/33 which was submitted by the expert from the European Commission at the 99th Session.

I. Proposal

Paragraph 4.2, amend to read:

"4.2. An approval number shall be assigned to each vehicle type-approved. Its first two digits (at present **05**, corresponding to the **05 series of amendments**) shall indicate the most recent major technical amendments made to the Regulation at the time of issue of the approval. The same Contracting Party shall not assign the same number to another vehicle or bodywork type within the meaning of paragraph 2.2."

Insert a new paragraph in Section 5, to read:

"5.2A **Low floor vehicles of Class I shall be so designed as to accommodate at least one unfolded pram or pushchair.**

The technical requirements of Section 3.6A of Annex 8 shall apply".

Insert new paragraphs 10.24 and 10.25, to read:

"10.24. **As from the official date of entry into force of the 05 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the 05 series of amendments.**

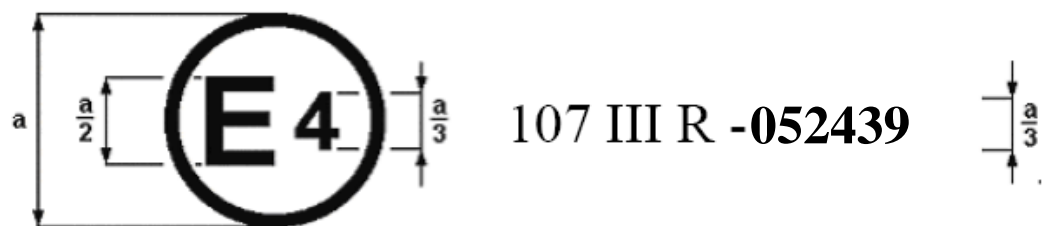
10.25. **As from 36 months after the date of entry into force of the 05 series of amendments, Contracting Parties applying this Regulation shall grant approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by of the 05 series of amendments."**

Annex 2, amend to read:

"ARRANGEMENTS OF APPROVAL MARKS

MODEL A

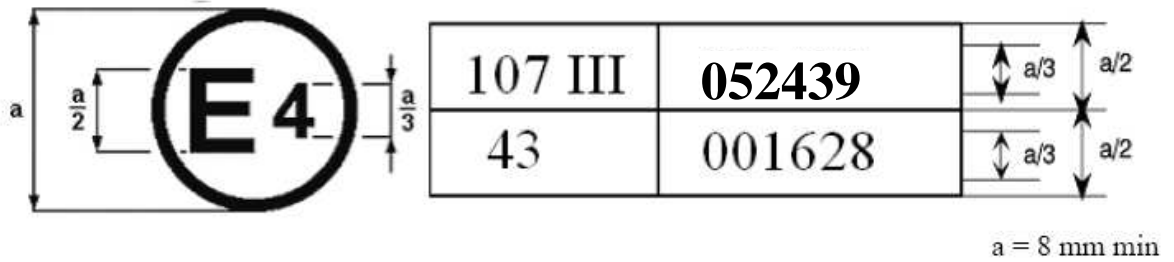
(See paragraph 4.4. of this Regulation)



a = 8 mm min

The above approval mark under approval number **052439**. The approval numberas amended by the **05** series of amendments.

MODEL B
(See paragraph 4.5. of this Regulation)



The above approval markRegulation No. 107 included the **05** series of amendments and Regulation No. 43 was in its original form.

MODEL C
(See paragraph 4.4.3. of this Regulation)



The above pursuant to Regulation No. 107 under approval number **052439**. The approval number indicates as amended by the **05** series of amendments."

Annex 4, insert a new figure 23 C, to read:

"Figure 23 C

Pictogram for pram and pushchair area



Colour: blue basis with white symbol

Size: at least 150 x 100 mm"

Annex 8, *the title*, amend to read

"Accommodation and accessibility for passengers with reduced mobility"

Annex 8, insert a new section 3.6A to read:

- "3.6. Wheelchair accommodation provisions [no change]
[...]
- 3.6A Unfolded prams and pushchairs accommodation provisions
- 3.6.1A An area shall be provided for the accommodation of an unfolded pram or pushchair.
- 3.6.2A The dimensions of the unfolded pram or pushchair area shall not be less than 750 mm wide and 1 700 mm long. Its longitudinal plane shall be parallel to the longitudinal plane of the vehicle and the floor surface shall be slip resistant.
- 3.6.3A Accessibility to prams and pushchairs shall be provided in accordance with the provisions of Section 3.6 of this Annex.
- 3.6.4A The area shall be fitted with the pictogram shown in Figure 23 C of Annex 4.
- 3.6.4.1A. The same pictogram shall be placed both on the front nearside of the vehicle and adjacent to the service door that gives access to the pram or pushchair area.
- 3.6.5A The area shall be provided with securing devices such as webbing or strapping designed to prohibit any displacement of the unfolded pram or pushchair during driving, including severe braking and cornering.
- 3.6.6A Strapping, webbing and anchors shall be capable to withstand a traction force of not less than 150 N.
- 3.6.7A The area shall be provided with a specific control such as a push-button to enable the passenger with an unfolded pram or pushchair to request that the vehicle be stopped at the next bus stop. The general requirements of paragraph 7.7.9.1 of Annex 3 shall apply.
- 3.6.8A The control shall be fitted with the pictogram described in Figure 23 C of Annex 4, it being permitted to reduce the dimensions of the pictogram to the needs.
- 3.6.9.A The area to accommodate the unfolded pram or pushchair may adjoin to the area for the wheelchair and be in its extension.
- 3.6.10.A Area for wheelchair and unfolded pram or pushchair may be combined in a single area under the condition that the respective relevant requirements therefor are fulfilled.
- 3.6.10.1.A However, the total length of the combined area referred to in point 3.6.10A and mentioned in point 3.6.1. and 3.6.2A may be reduced to 2 300 mm."

II. Motivations and Justifications

A. Background information

See the paper already circulated by the EC Commission during the 96th session of the GRSG.

Already now, city buses are ordered by local authorities under specific conditions of contract that require accommodation features for one or more unfolded prams. No legislation specifies what the technical requirements therefor should be. As a result, some manufacturers could be impeached from competing when bidding.

The European Institutions have received complaints against the fact that the wheelchair area is often used inappropriately to "lodge" a pram. Therefore, the Commission' services have been asked to study a possible solution that would facilitate the access of unfolded prams in city buses without jeopardizing the needs of the wheelchair users.

B. Content of the proposal

1. Buses of class I must be accessible for passengers with reduced mobility, which includes children seated in pushchairs (Re: Definition 2-21 of Regulation 107). In contrast to the provisions of Annex 8 of UNECE 107 regarding accommodation for wheelchair users no specific area is provided which would allow the child to remain seated in his pram or pushchair. The proposal includes the necessary amendments to Regulation 107.

It is proposed to provide an area the dimensions of which correspond to the place required for both the unfolded pushchair and the person that accompanies the child, remaining standing in order to take care of the child. If the manufacturer prefers to have one single area for a wheelchair user combined with the one for an unfolded pram, then it is allowed to combine both into a single area for which the total length has been reduced in order to avoid that the area would be 3.00 metre long.

2. A model of pictogram is proposed in order to show to the users that the bus is accessible to unfolded prams and pushchairs. The model is similar to the one used in Sweden, Belgium etc.

3. The vehicles that are concerned by the new Regulation are the low floor bus of class I that will be placed on the market as new type.

C. Reference papers

Informal document GRSG-96-28 "Area for pushchairs in buses" (the European Commission)

Informal document GRSG-97-16 "Access of unfolded prams in buses" (Sweden)

III. Transitional provisions

The Commission believes that the nature of the changes requires the adoption of a new series of amendments, which means that transitional provisions have to be laid down.

It is proposed a single date for new types only:

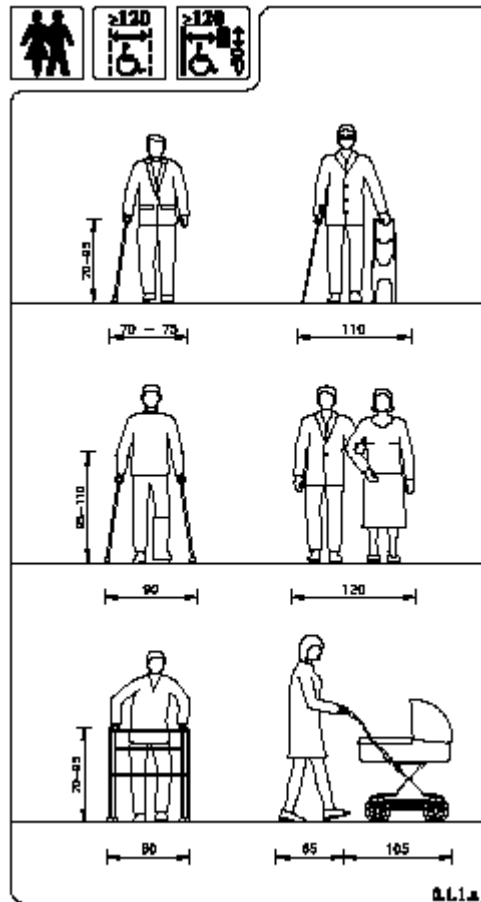
"With effect from 36 months, the Contracting parties shall grant type-approval [...]"

This means that new vehicle types entering the market in 2015 would have to comply with the new legislation. The Commission does not see the need for requiring adaptation of current models to the new requirements given the necessity for redesigning the bus interior arrangement.

Annex 1

Typical dimensions

(a) Pram length: 1050 mm



Source: <http://www.anlh.be/accessvoirie/acc07.htm>

(b) Pushchair length: 875 mm (Chicco lite way) – 850 mm (Maxi-cosi Buzz 3)

Annex 2
Examples



Pram Gesslein F6 (length of carrycot – 810 mm)



Pushchair Maxi-Cosi Buzz 3 (length – 850 mm)