

## **Proposal for amendments to UN Regulation No. 107 (M<sub>2</sub> and M<sub>3</sub> vehicles)**

The text reproduced below was prepared by the Chair of the SDWEE informal group to reproduce the changes to ECE/TRANS/WP.29/GRSG/2012/15 adopted in principle by GRSG at its 103<sup>rd</sup> session. The modifications to the existing text of the draft are marked in bold for new or strikethrough for deleted characters.

### **I. Proposal**

*Paragraphs 10.1. to 20.20., delete, and re-number the following paragraphs accordingly:*

- ~~10.1. As from the official date of entry into force of the 02 series of amendments, no Contracting Party applying this Regulation shall refuse to grant ECE approval under this Regulation as amended by the 02 series of amendments.~~
- ~~10.2. No Contracting Party applying this Regulation shall refuse national type approval of a vehicle type approved to the 02 series of amendments to this Regulation.~~
- ~~10.3. As from 1 April 2008, 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 the 02 series of amendments.~~
- ~~10.4. As from 12 August 2010, Contracting Parties applying this Regulation may refuse first national registration (first entry into service) of a vehicle which does not meet the requirements of the 02 series of amendments to this Regulation.~~
- ~~10.5. As from the date mentioned in paragraph 10.3., Contracting Parties applying this Regulation shall no longer grant new approvals in accordance with Regulation No. 36 or Regulation No. 52.~~
- ~~10.6. As from the official date of entry into force of Supplement 5 to the 02 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by Supplement 5 to the 02 series of amendments.~~
- ~~10.7. As from 12 months after the date of entry into force of Supplement 5 to the 02 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 Supplement 5 to the 02 series of amendments.~~
- ~~10.8. As from 24 months after the date of entry into force of Supplement 5 to the 02 series of amendments, Contracting Parties applying this Regulation may refuse first national registration (first entry into service) of a vehicle which does not meet the requirements of Supplement 5 to the 02 series of amendments to this Regulation.~~
- ~~10.9. As from the official date of entry into force of the 03 series of amendments, no Contracting Party applying this Regulation shall refuse to grant ECE approval under this Regulation as amended by the 03 series of amendments.~~
- ~~10.10. No Contracting Party applying this Regulation shall refuse national or regional type approval of a vehicle type approved to the 03 series of amendments to this Regulation.~~

- ~~10.11. As from 31 December 2012, Contracting Parties applying this Regulation shall grant ECE approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by the 03 series of amendments.~~
- ~~10.12. As from 31 December 2013, Contracting Parties applying this Regulation may refuse to grant national or regional approvals and may refuse first national or regional registration (first entry into service) of a vehicle which does not meet the requirements of the 03 series of amendments to this Regulation.~~
- ~~10.13. As from the official date of entry into force of the Supplement 6 to the 02 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the Supplement 6 to the 02 series of amendments.~~
- ~~10.14. As from 12 months after the date of entry into force of the Supplement 6 to the 02 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 Supplement 6 to the 02 series of amendments.~~
- ~~10.15. As from 30 months after the entry into force of Supplement 6 to the 02 series of amendments, Contracting Parties applying this Regulation may refuse to grant national/regional approvals and first national registration (first entry into service) of a vehicle which does not meet the requirements of Supplement 6 to the 02 series of amendments to this Regulation.~~
- ~~10.16. As from the official date of entry into force of the 04 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the 04 series of amendments.~~
- ~~10.17. As from 24 months after the date of entry into force of the 04 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 04 series of amendments.~~
- ~~10.18. As from 36 months after the entry into force of the 04 series of amendments, Contracting Parties applying this Regulation may refuse to grant national/regional approvals and first national registration (first entry into service) of a vehicle which does not meet the requirements of the 04 series of amendments to this Regulation.~~
- ~~10.19. Contracting Parties applying this Regulation shall not refuse to grant extensions of approval to the 03 series of amendments to this Regulation for vehicles which are not affected by the 04 series of amendments.~~
- ~~10.20. Notwithstanding paragraphs 10.17 and 10.18, approvals of vehicles granted to the 03 series of amendments to the Regulation, which are not affected by the 04 series of amendments, shall remain valid and Contracting Parties applying the Regulation shall continue to accept them.~~
- 10.21. 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.
- 10.22. As from 24 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 the 05 series of amendments.
- 10.23. As from 36 months after the entry into force of the 05 series of amendments, Contracting Parties applying this Regulation may refuse to grant national/regional approvals and first national registration (first entry into service) of a vehicle which does not meet the requirements of the 05 series of amendments to this Regulation.

*Insert new paragraphs 10.24. to 10.27., to read:*

- [ "10.24. As from the official date of entry into force of the 06 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type-approvals under this Regulation as amended by the 06 series of amendments.
- 10.25. As from 48 months after the date of entry into force of the 06 series of amendments, Contracting Parties applying this Regulation shall grant type-approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by the 06 series of amendments.
- 10.26. Contracting Parties applying this Regulation shall not refuse to grant extensions of type-approvals for existing types which have been issued according to the 05 series of amendments to this Regulation.
- 10.27. As from 60 months after the date of entry into force of the 06 series of amendments to this Regulation, Contracting Parties applying this Regulation shall not be obliged to accept, for the purpose of national or regional type-approval, a vehicle type-approved to the 05 series of amendments to this Regulation.]"

*Annex 3, paragraph 7.6.1.7., amend to read:*

- "7.6.1.7. If the driver's compartment does not provide access to a passenger compartment by means of a passageway that permits:
- (a) the front edge of the cylindrical gauge referred to in paragraph 7.7.5.1. to reach at least the transverse vertical plane tangential to the foremost point of the driver's seat back in its rearmost longitudinal position, and
  - (b) from this plane, to move the panel shown in Annex 4, figure 7 forwards from the contact position, with the cylindrical gauge until it reaches at least the vertical plane tangential to the foremost point of the driver's seat cushion,
- then the ~~following~~ requirements of the following paragraphs 7.6.1.7.1. to 7.6.1.7.3. **7.6.1.7.5. conditions** shall be met:"

*Annex 3, paragraph 7.6.1.12., amend to read:*

- "7.6.1.12. Hatches shall not be fitted in positions where technical components are installed which present possible dangers to passengers using the escape hatches (e.g. high voltage systems, systems containing dangerous liquids and/or gas, etc.). ~~{This may be verified in accordance with the technical requirements of Regulations Nos. 67, 100 and 110, as applicable.}~~"

*Annex 3, paragraph 7.6.2., amend to read:*

- "7.6.2. Positioning of ~~exists~~ exits"

*Annex 3, paragraphs 7.6.2.5 to 7.6.2.8., amend to read:*

- "7.6.2.5. At least one exit shall be situated either in the rear face or in the front face of the vehicle.
- 7.6.2.5.1. In the case of Class I and A vehicles, the requirements of paragraph 7.6.2.5. above is fulfilled if an escape hatch is fitted; or, if paragraph 7.6.1.12. applies, an additional exit to those specified in paragraph 7.6.1., is fitted on each side of the vehicle. In the case of double deck vehicles, this requirement shall apply only to the upper deck.**
- 7.6.2.5.2. In the case of double-deck vehicles, the requirements of paragraph 7.6.2.5. above shall apply only to the upper deck. In the case of Class I and A vehicles, this provision is fulfilled if an escape hatch is fitted; or, if paragraph 7.6.1.12. applies, an additional exit to those specified in paragraph 7.6.1., is fitted on each side of the vehicle."**

*Annex 3, delete the proposed new paragraph 7.6.8.7.:*

~~"7.6.8.7. Any film (e.g. for advertising, anti vandalism, etc.) laminated to the inside and/or outside of an emergency window shall not prevent or inhibit its functioning as an emergency exit. Proof of the correct functioning shall be demonstrated to the satisfaction of the Technical Service."~~

Annex 3, delete the proposed paragraph 7.6.11.2.6.:

~~"7.6.11.2.6 The language in which any textual safety sign intended to comply with paragraphs 7.6.11.2.1. to 7.6.11.2.5. are to be inscribed shall be determined by the approving authority bearing in mind the country / countries in which the applicant intends to market the vehicle in liaison if necessary with the competent authorities of the country / countries concerned. If the authority of the country / countries where the vehicle is to be registered has the language changed, this change shall imply no new Type Approval process."~~

Annex 3, insert a new paragraph 7.6.11.8., to read:

**"7.6.11.8. The language in which any textual safety sign intended to comply with paragraphs 7.6.11.1. to 7.6.11.7. are to be inscribed shall be determined by the approving authority bearing in mind the country / countries in which the applicant intends to market the vehicle in liaison if necessary with the competent authorities of the country / countries concerned. If the authority of the country / countries where the vehicle is to be registered has the language changed, this change shall imply no new type approval process."**

[Annex 3, paragraph 7.7.3.2., amend to read:

"7.7.3.2. The direction of motion of the test gauge shall be in the direction in which a passenger evacuating the vehicle would be expected to move. The test gauge shall be kept perpendicular to that direction of motion.

**In the case of an emergency window in the rear face of the vehicle, intruding components shall not be allowed over the required surface of the emergency exit(s).intrusion of headrests or other parts of seats shall be allowed provided they can be easily moved out of the way. The main action for moving the components from the escape path shall be in the direction of egress.Components and any release mechanism shall move in the direction of egress."**

Annex 3, paragraphs 7.7.4.1. to 7.7.4.1.2., amend to read:

**["7.7.4.1. Escape hatches in the roof**

**7.7.4.1.1. Except in the case of Class I and A vehicles, at least one escape hatch shall be located such that a four-sided truncated pyramid having a side angle of 20 degrees and a height of 1,600 mm touches part of a seat or equivalent support. The axis of the pyramid shall be vertical and its smaller section shall contact the aperture area of the escape hatch. Supports may be foldable or movable provided they can be locked in their position of use. This position shall be taken for verification.**

**7.7.4.1.2. When the structural thickness of the roof is more than 150 mm, the smaller section of the pyramid shall contact the aperture area of the escape hatch at the level of the outside surface of the roof."**

## II. Justification

Paragraphs 10.1. to 20.20. can be deleted as they are obsolete. The transitional provisions have the purpose of managing the transition from the "N" series of amendments to the "N+1" series of amendments. It is not necessary to keep the anterior versions of the regulation because only the current and the future versions are of importance for applying the regulation. the Contracting Parties applying a former version of the regulation can still consult the previous series of amendments. As this proposal for emergency exit is tabled as a 06 series of amendments, then the necessary transitional provisions text can be limited to the 05 and 06 series of amendments.

Annex 3, paragraph 7.6.1.7.: editorial improvement requested by the European Commission

Annex 3, paragraph 7.6.1.12.: most delegates agreed to delete the text in square brackets.

Annex 3, paragraphs 7.6.2.5. to 7.6.2.5.2.: proposal to re-arrange the provisions in subparagraphs to use the same word "requirement" (vs. "provisions").

Annex 3, paragraph 7.6.8.7.: France wanted to add that the homologation of the glazing should not be jeopardised by the film but was ready to delete the complete paragraph. The European Commission found a contradiction with the prohibition of plastic glazing. The Russian Federation supported the deletion of the paragraph and questioned what to do with the already approved glazing. GRSG finally agreed to delete this paragraph entirely.

Annex 3, paragraph 7.6.11.8.: former paragraph 7.6.11.2.6. GRSG found this place more appropriate for the language provisions.

Annex 3, paragraph 7.7.3.2.: GRSG could not find a compromise for this item. GRSG is expected to discuss this item based on the proposal from Germany: GRSG-104-05.

Annex 3, paragraph 7.7.4.1.: France is expected to propose a new wording for this section.

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