

**Submitted by the experts from
the Republic of Korea**

Informal document GRSG-128-08
GRSG 128th session, 7-11 October 2024
Agenda Item 2

Question of UN R107

◆ Background

- 7.6.1.11. Vehicles of Classes II, III and B shall be fitted with escape hatches, additional to the emergency doors and windows. In the case of double-deck vehicles, these hatches shall be fitted in the upper deck roof only. The minimum number of hatches shall be:

<i>Number of passengers (in the upper deck in the case of double-deck vehicles)</i>	<i>Minimum number of hatches</i>
Not exceeding 30	1
Exceeding 30	2

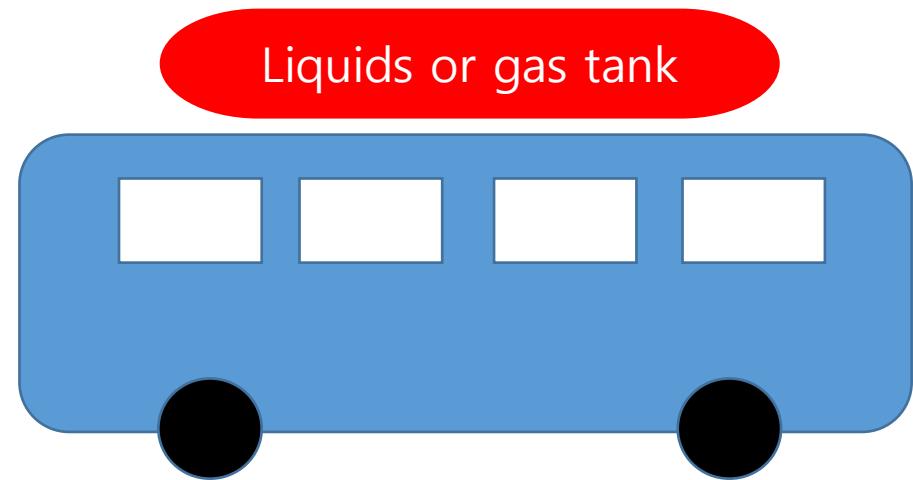
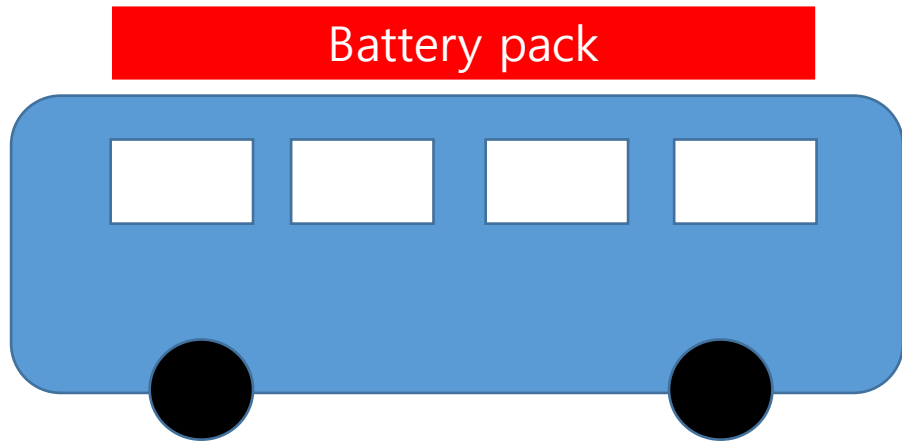
- 7.6.1.12. Hatches shall not be fitted in positions where technical components are installed which present possible danger to passengers using the escape hatches (e.g. high voltage systems, systems containing dangerous liquids and/or gas, etc.).

◆ Background

- 7.6.2.8. For vehicles of classes I, II and III, required escape hatches shall be positioned as follows:
 - (a) If there is only one hatch, it shall be situated in the middle third of the passenger compartment; or
 - (b) If there are two hatches, they shall be separated by a distance of at least 2 m measured between the nearest edges of the apertures in a line parallel to the longitudinal axis of the vehicle.

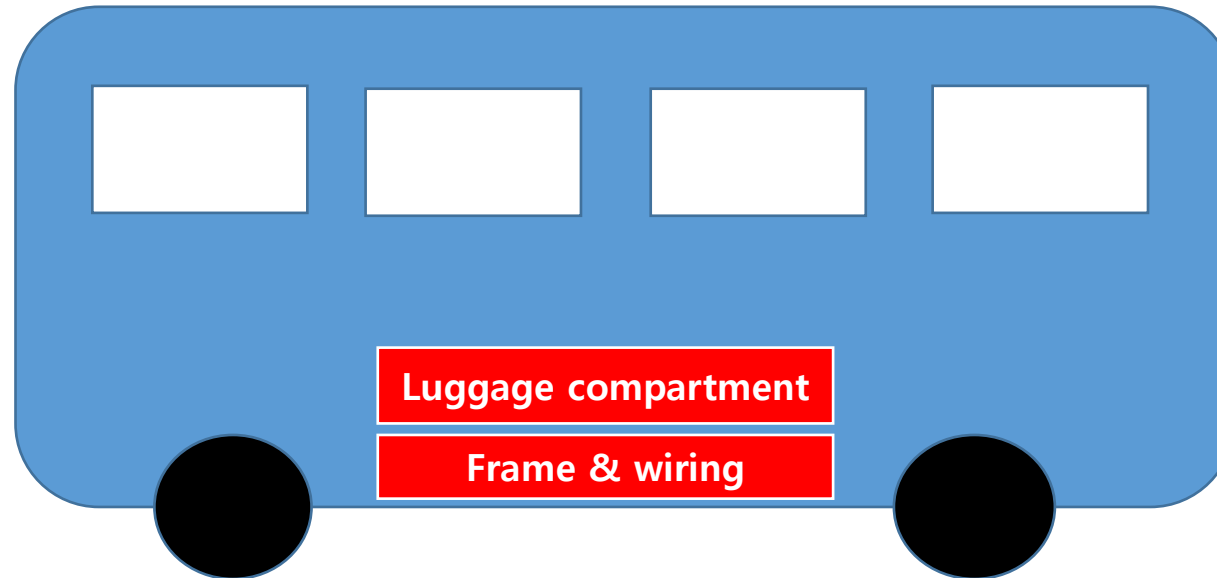
◆ Case 1

- Bus design with some tanks on its roof
- There is no place to install a escape hatch or escape hatches



◆ Case 2

- Bus design with some electric equipments or wiring on its bottom
- There is no place to install a escape hatch or escape hatches



◆ Questions

- In the case of 7.6.1.12. , can it be interpreted as allowing for the exclusion of the installation?
- If installation on the roof is not possible, is it appropriate to install two emergency exits on the floor in accordance with 7.6.2.8.?
 - ✓ If installing on the floor, both the passenger area floor and the luggage compartment must be taken into consideration simultaneously.
 - ✓ Structural integrity may be weakened due to modifications to the existing lower frame.