



MINISTÈRE DE LA TRANSITION ÉCOLOGIQUE ET SOLIDAIRE

Liberté

Égalité

Fraternité

General directorate for energy and climate change
Department of vehicles safety and emissions



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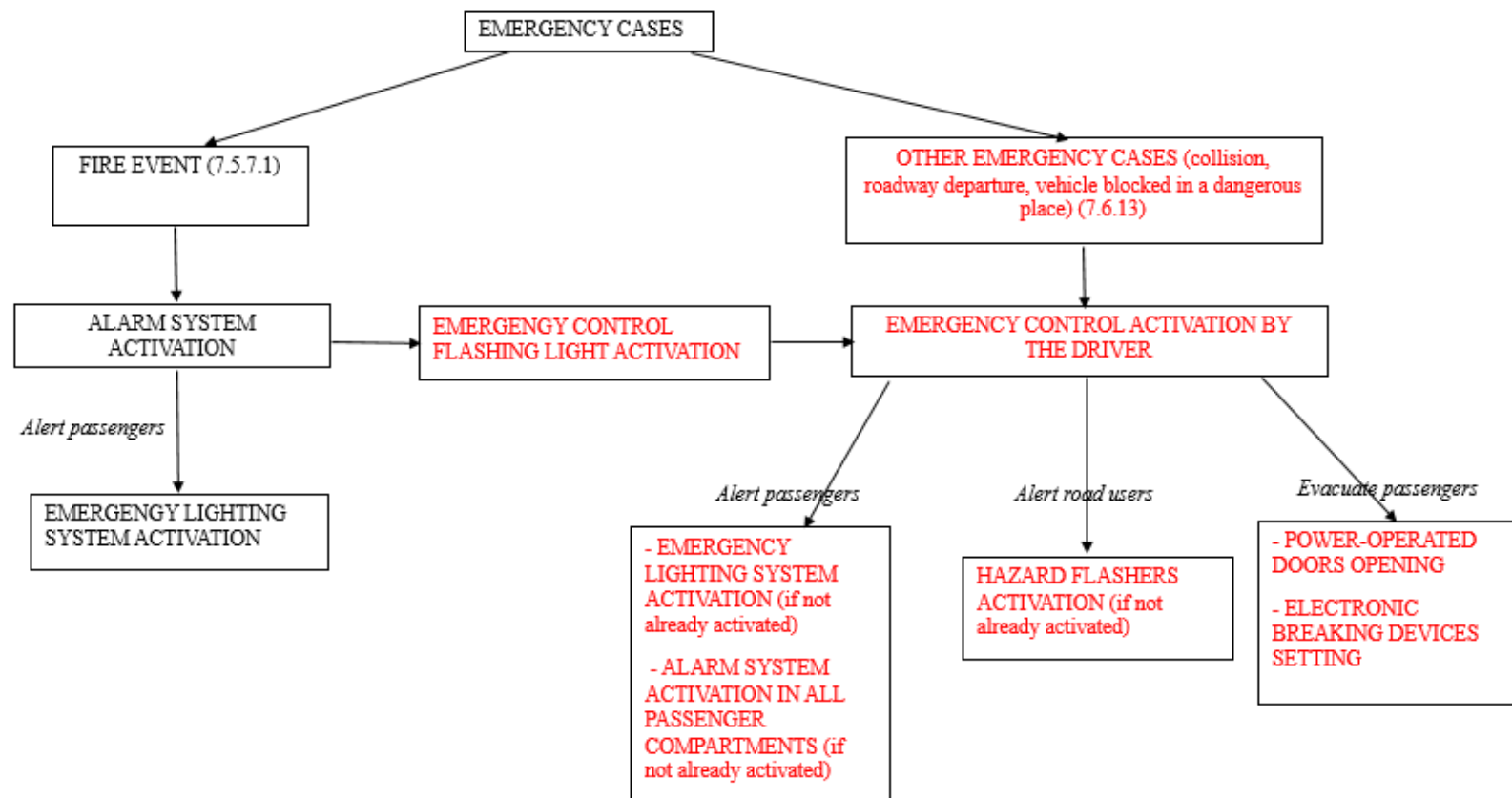
FRENCH PROPOSAL TO AMEND R107

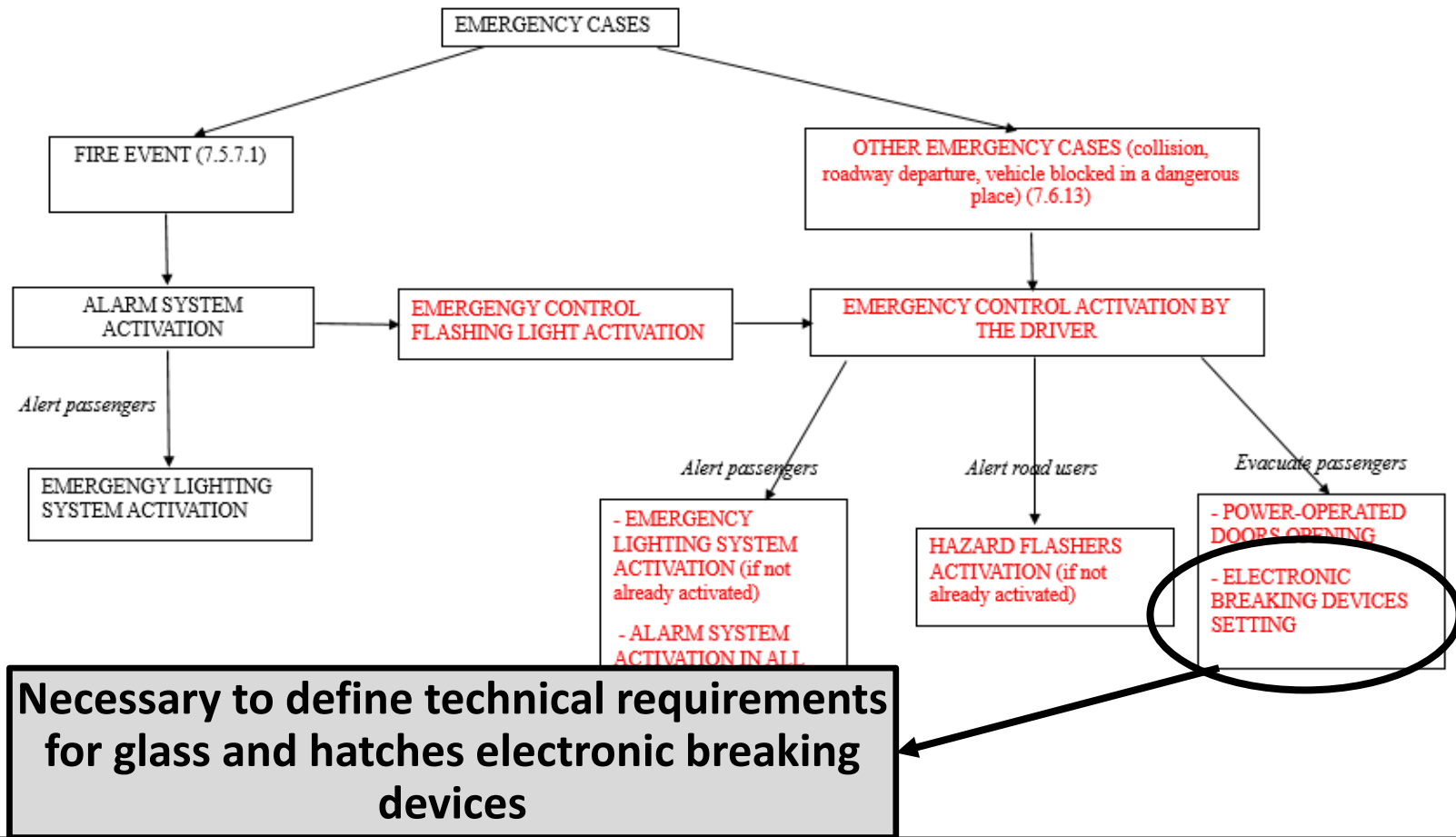
Proposal to address electronic breaking devices for emergency windows and escape hatches and emergency control

French proposal addresses amendments to R107 in order to :

- 1) introduce measures for extra situations in addition to fire events**
- 2) make mandatory glass and hatches electronic breaking systems**

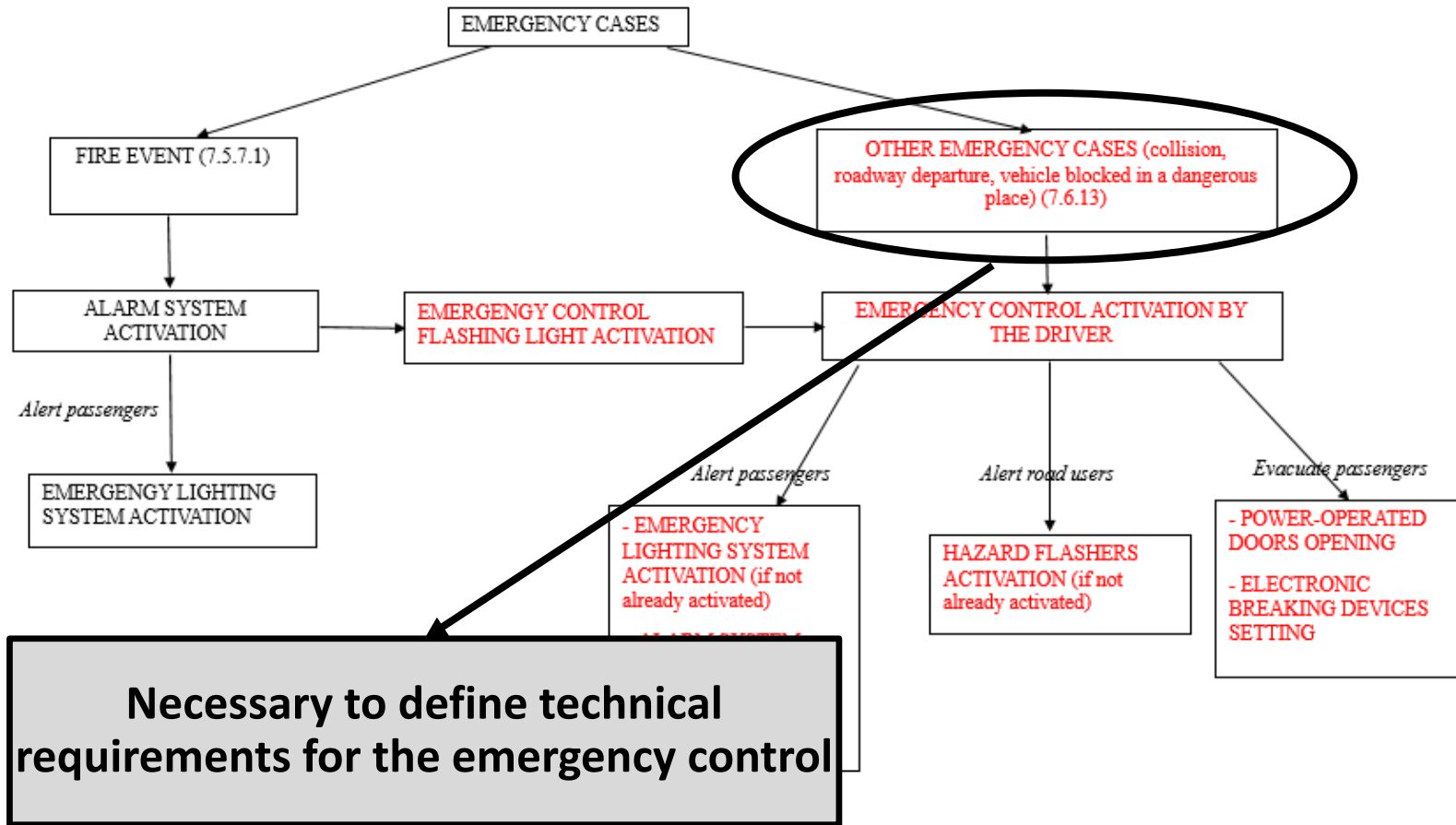
→ Improvement of passengers evacuation in all emergency events





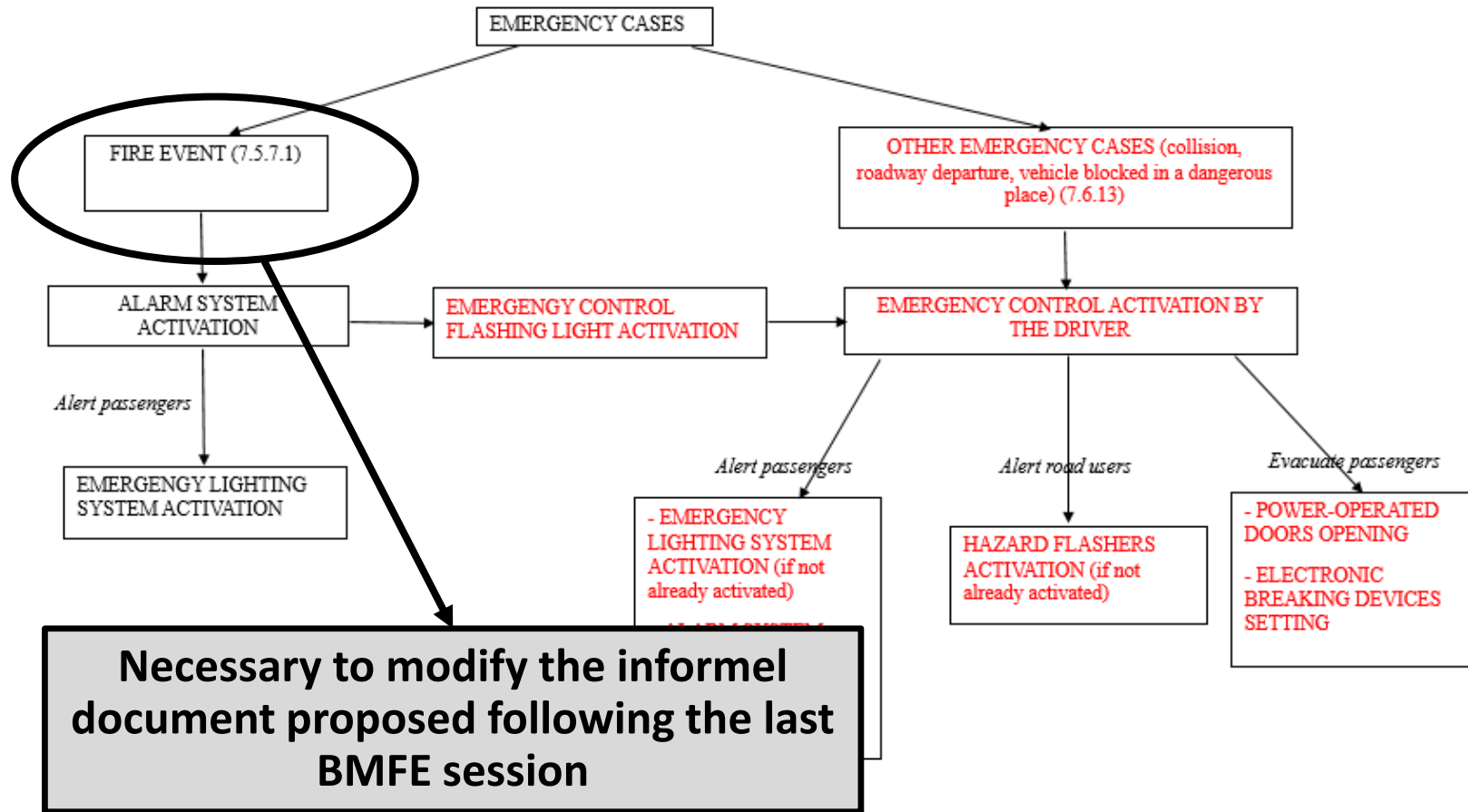
Technical requirements for glass and hatches electronic breaking devices

- Amend Annex 3, paragraph 7.6.8.2.2 and 7.6.9.2
- each emergency window and hatches must be equipped with an electronic breaking device → In addition to the manual device → Easier and rapid in case of stress situation which reduce the reaction time of passengers
- Set by the driver → To avoid an involuntary and malicious use of the electronic devices
- Trigger by passengers → To give choice to passengers to choose the best way to get off the vehicle
- Flashing light to alert passengers of the setting



Technical requirements for the emergency control

- Insert a new paragraph 7.6.13 in Annex 3
- Push button activated by single positive action of the driver
- Activation of the emergency lighting system, the hazard flashers, the opening of all power-operated doors situated on the side of the vehicle that is nearer of the side of the road corresponding to the direction of traffic for which the vehicle is designed, the setting of electronic breaking devices of the emergency windows and escape, an alarm system in all passenger compartments
- Applicable when the vehicle is stationary or driving at a speed less than or equal to 3 km/h
- Safety systems, already engaged, not neutralised by this emergency control
- Flashing light of the emergency control in case of fire



Modification of requirements for fire events

- Amend paragraph 7.5.7 in Annex 3 added in the informal document of GRSG
- Delete the sentence : “ after a single positive action of the driver on any of the door controls in the driver’s compartment, all power-operated doors situated on the side of the vehicle that is nearer of the side of the road corresponding to the direction of traffic for which the vehicle is designed shall open and shall remain in the opened position ”
- Propose to add flashing light of the emergency control in order to have only one command control in case of emergency cases

**FR proposal on the wiki only presents technical amendments « Annex 3 : Requirements to be met by all vehicles »
→ To set the global approach**

However, other parts of R107 have to be amended and are in progress :

- 2. Definitions
- 3. Application for approval
- 4. Approval
- 5. Requirements
- 6. Modification and extension of approval of a vehicle or bodywork type
- 7. Conformity of production
- 8. Penalties for non-conformity of production
- 9. Production definitively discontinued
- 10. Transitional provisions

- **Annex 1 : Part 1 Appendice 1**
- **Annex 1 : Part 1 Appendice 3**

And new annexes have to be created :

- **Annex 1 : Part 1 Appendix 5 : model information document relation to Regulation No.107 relating to type approval of electronic breaking devices as a component**
- **Annex 1 : Part 2 Appendix 4 Addendum to Type Apporval NoXXX concerning the Type-Approval of electronic breaking devices as component with regard to Regulation No.107**
- **Annex 2 : Arrangements of approval marks Model E**
- **Annex 14 : Part 1 : Electronic breaking system approved as component**
- **Annex 14 : Part 1 : Appendix 2 : Special requirements applicable to the operating safety of electronic breaking devices**
- **Annex 14 : Part 2 : Electronic breaking devices installation rules**