

03 Series of Amendments to Regulation No. 100 (Electric power trained vehicles)

Aim of this document is, to clarify the meaning of the word “or” in paragraph 6.15.1.13 of the 03 series of amendments of UN Regulation No. 100

Current text of the regulation in the English version reads as follows:

"6.15.1.

The REESS or vehicle system shall provide a signal to activate the advance warning indication in the vehicle to allow egress **or** 5 minutes prior to the presence of a hazardous situation inside the passenger compartment caused by thermal propagation which is triggered by an internal short circuit leading to a single cell thermal runaway such as fire, explosion or smoke. This requirement is deemed to be satisfied if the thermal propagation does not lead to a hazardous situation for the vehicle occupants. REESS or vehicle manufacturer shall make available, at the request of the Technical Service with its necessity, the following documentation explaining safety performance of the system level or sub-system level of the vehicle"

Different interpretations exist between Type Approval Authorities, manufacturers and technical services how to understand this text:

1. The REESS or vehicle system shall provide a signal to activate the advance warning indication in the vehicle to allow egress ~~or~~ 5 minutes prior to the presence of a hazardous situation inside the passenger compartment caused by thermal propagation which is triggered by an internal short circuit leading to a single cell thermal runaway such as fire, explosion or smoke. This requirement is deemed to be satisfied if the thermal propagation does not lead to a hazardous situation for the vehicle occupants.
 2. The REESS or vehicle system shall provide a signal to activate the advance warning indication in the vehicle to allow egress ~~or 5 minutes~~ prior to the presence of a hazardous situation inside the passenger compartment caused by thermal propagation which is triggered by an internal short circuit leading to a single cell thermal runaway such as fire, explosion or smoke. This requirement is deemed to be satisfied if the thermal propagation does not lead to a hazardous situation for the vehicle occupants. **In case of buses and coaches the time to allow egress shall be at least 5 minutes.**
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