

Commission Regulation (EU) 2017/2400 of 12 December 2017 implementing Regulation (EC) No 595/2009 of the European Parliament and of the Council as regards the determination of the CO<sub>2</sub> emissions and fuel consumption of heavy-duty vehicles and amending Directive 2007/46/EC of the European Parliament and of the Council and Commission Regulation (EU) No 582/2011 (Text with EEA relevance)

## ANNEX VIII

### **VERIFYING AIR DRAG DATA**

## Appendix 5

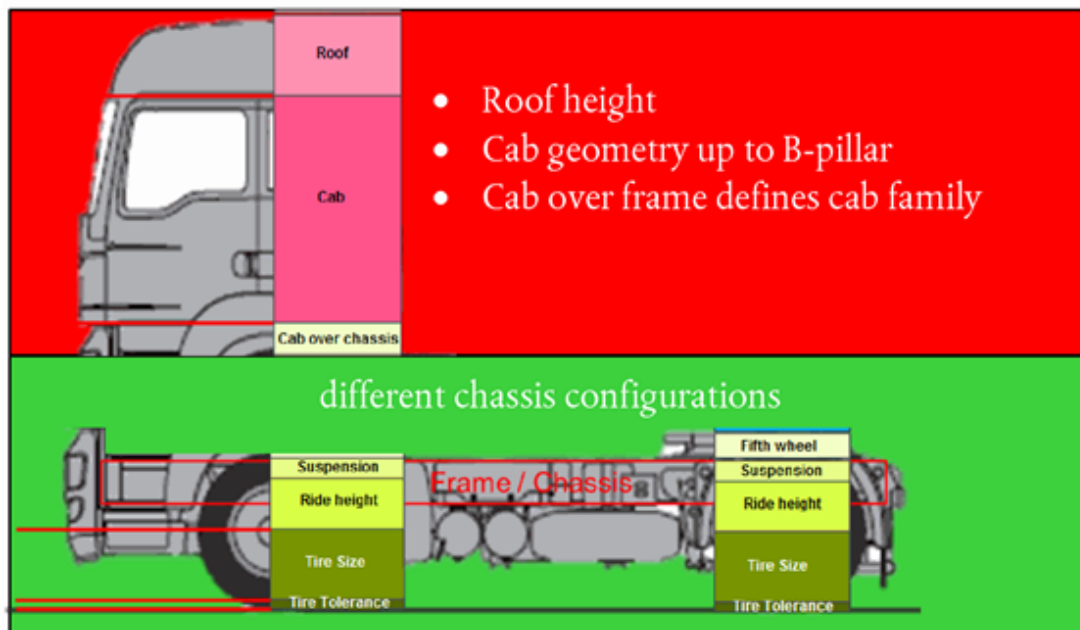
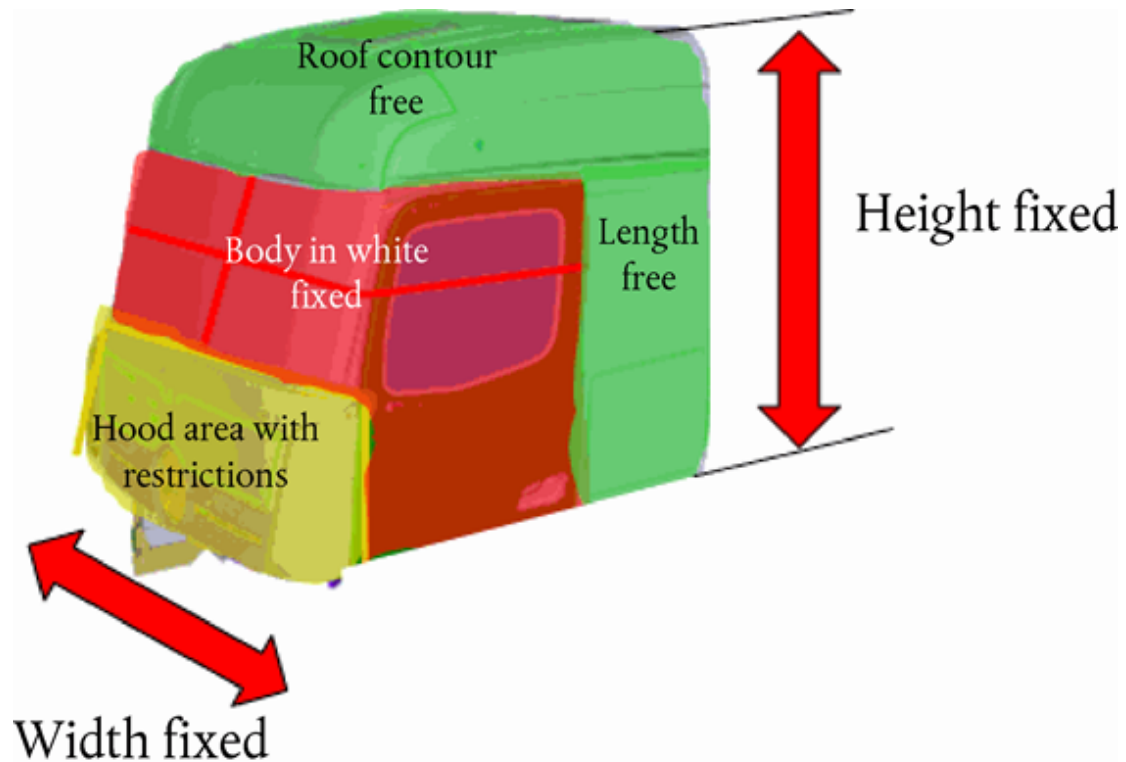
### **Air drag family for trucks**

4. Parameter defining the air drag family:
  - 4.1. Vehicles are allowed to be grouped within a family if the following criteria are fulfilled:
    - (a) Same cabin width and body in white geometry up to B-pillar and above the heel point excluding the cab bottom (e.g. engine tunnel). All members of the family stay within a range of  $\pm 10$  mm to the parent vehicle.
    - (b) Same roof height in vertical Z. All members of the family stay within a range of  $\pm 10$  mm to the parent vehicle.
    - (c) Same height of cabin over frame. This criterion is fulfilled if the height difference of the cabins over frame stays within  $Z < 175$ mm.

The fulfillment of the family concept requirements shall be demonstrated by CAD (computer-aided design) data.

*Figure 1* **Family definition**

*Status: This is the original version (as it was originally adopted).*



- 4.2. An air drag family consist of testable members and vehicle configurations which can not be tested in accordance with this regulation.
- 4.3. Testable members of a family are vehicle configurations, which fulfil the installation requirements as defined in 3.3 in the main part of this Annex.