

# Detection Area Width

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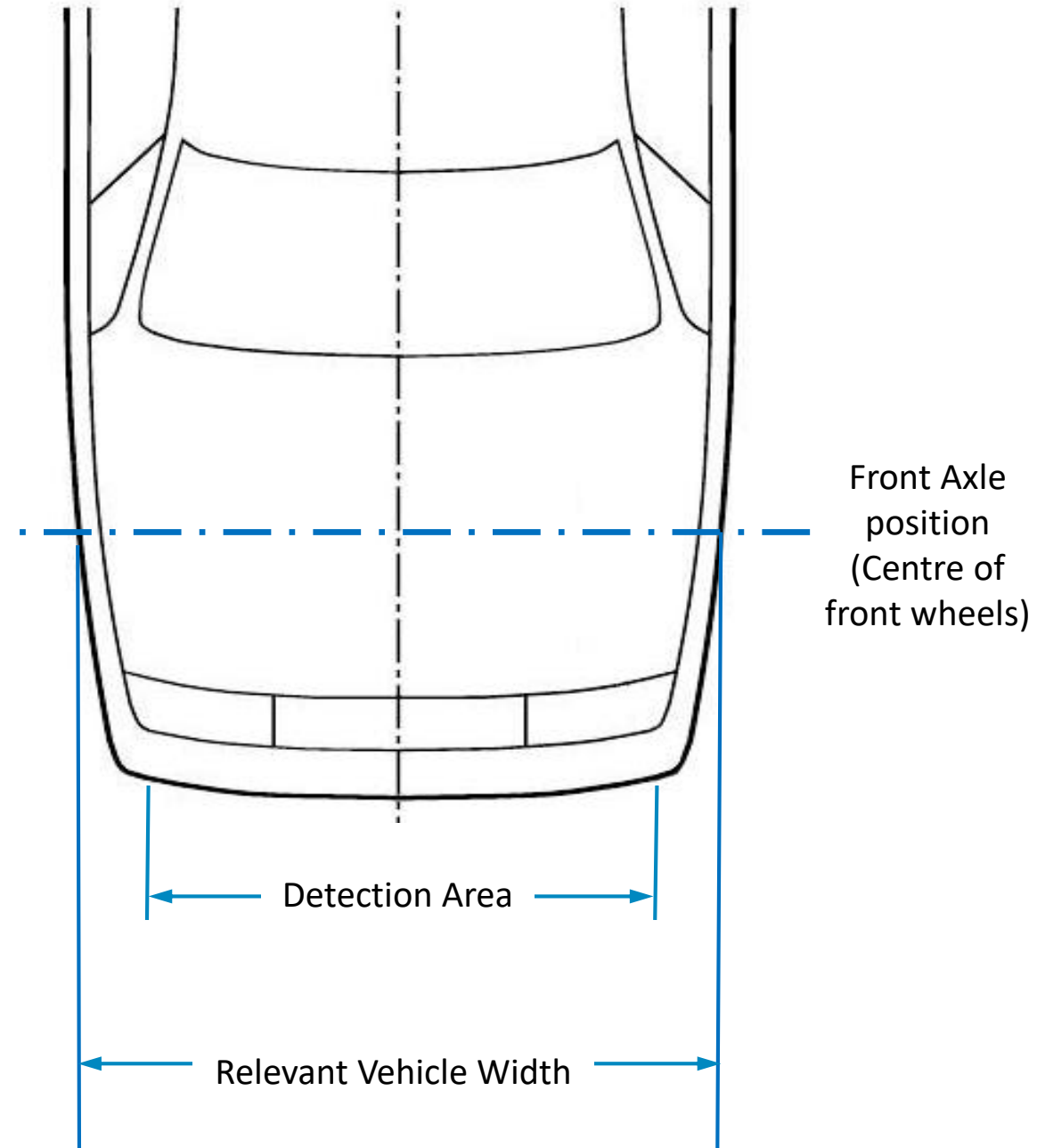
# Background

- Determination of the area intended to detect a pedestrian should be as independent as possible from
  - Width of the deployable system (bonnet, airbag, etc.)
  - Outer contour of the vehicle front (V-shape)
  - Other vehicle parts (e.g. bumper beam)

# Proposal

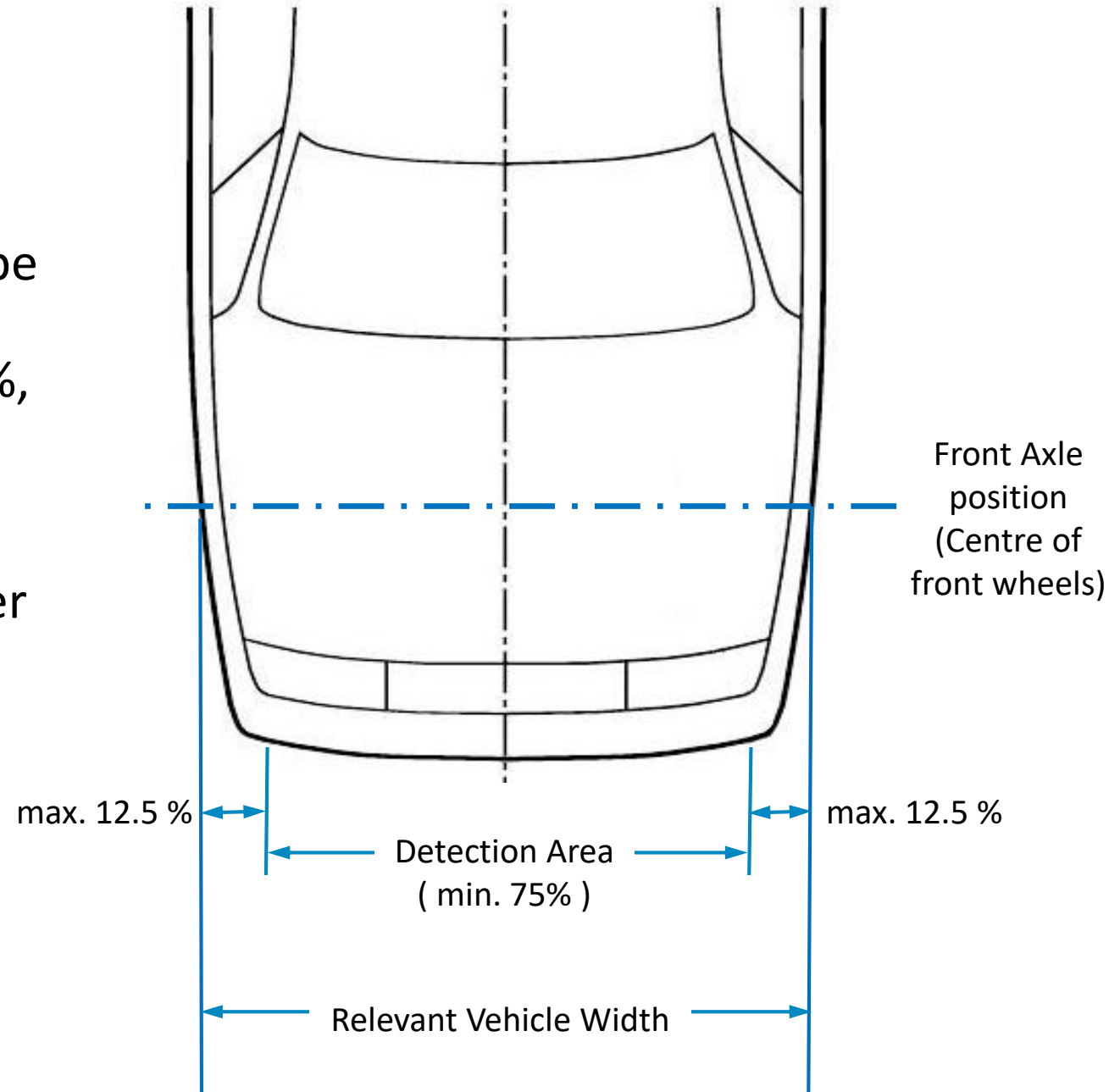
New definitions for clarification:

- **„Detection area“:**  
The area that is designated to detect a pedestrian in order to initiate the activation of the deployable system
- **„Relevant vehicle width“:**  
Width of the vehicle without rear view mirrors or cameras, measured at the longitudinal position of the front axle of the vehicle.

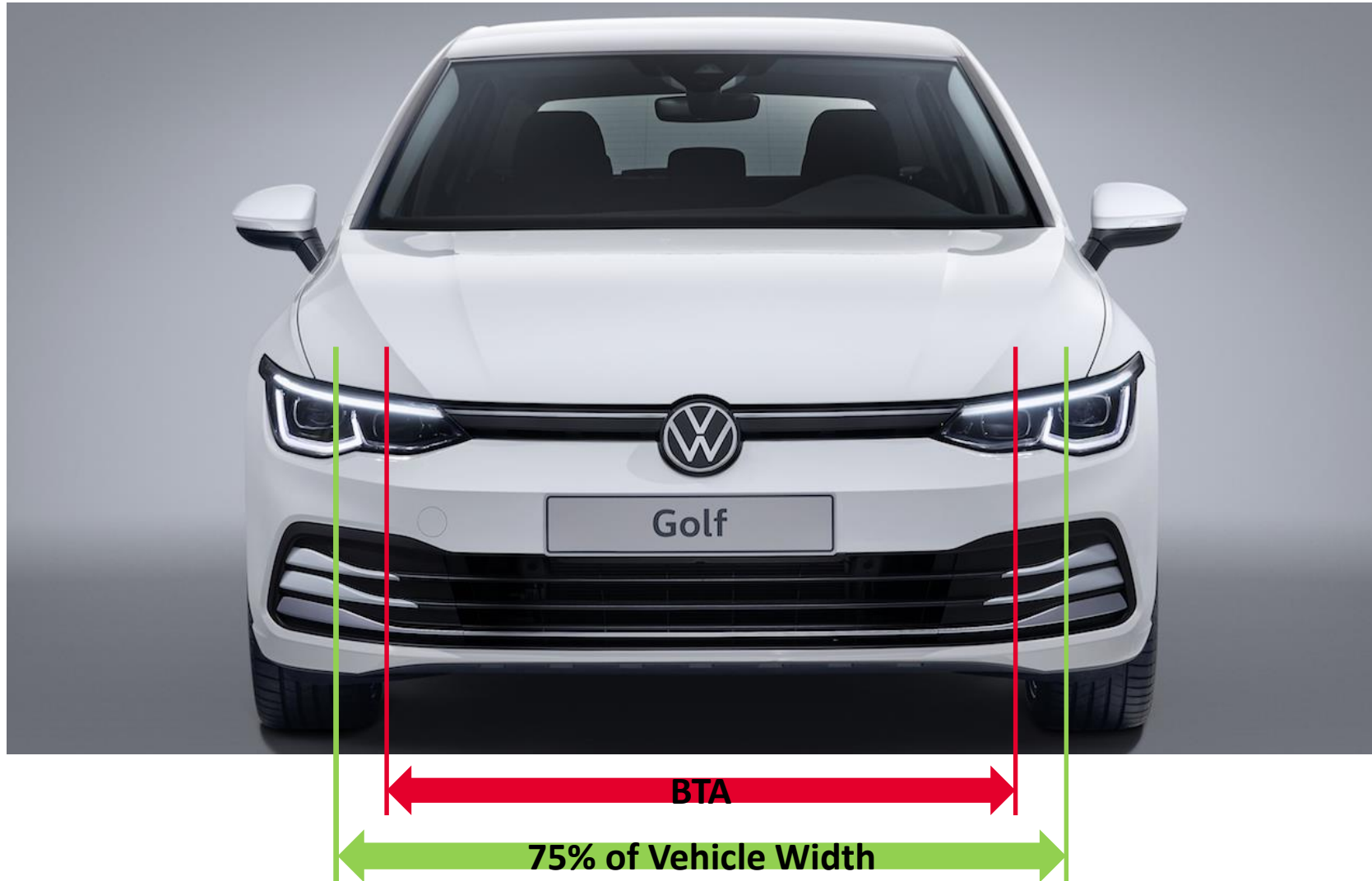


# Proposal

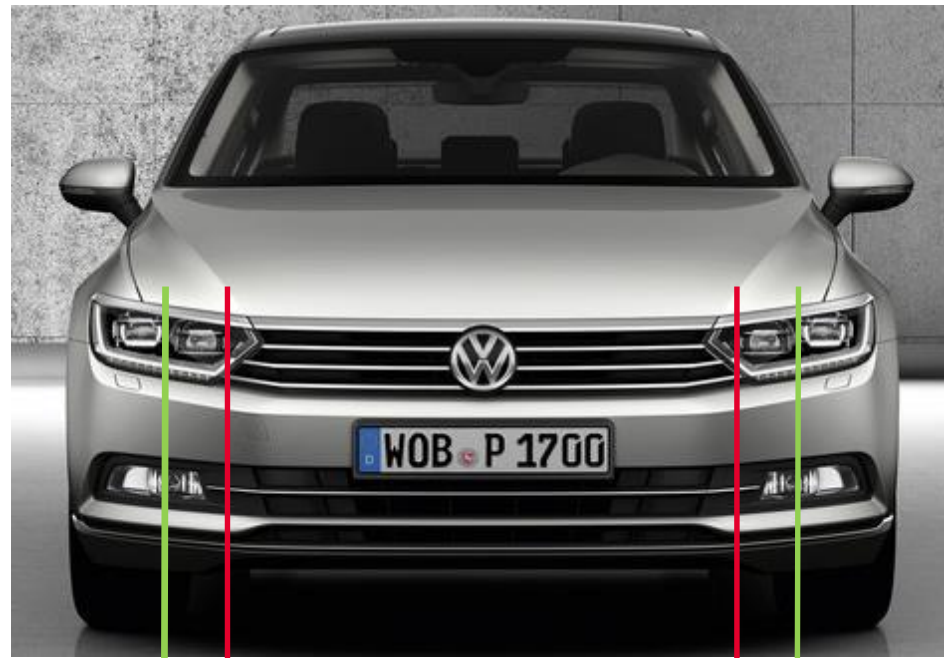
- The width of the detection area shall be the relevant vehicle width, minus a distance from each side of max. 12.5 %, but not more than 250 mm.
- The detection area must not be smaller than the bumper test area (BTA).



# Example for the Detection Area



# More Examples



Thank you