

UN R. 131 – AEBS for trucks and heavy vehicles Sensor mounting position

- AEBS requires a sensor with a defined sensor mounting position:
 - Horizontally: up to 600 mm out of vehicle center
 - Vertically: between 330 mm and 800 mm above road-surface level
- Sensor mounting outside of specification will lead to:
 - Asymmetric vehicle reaction in cut-in scenarios and driver irritation (horizontal offset)
 - No reaction to low vehicles like e.g. sport cars (mounting position too high)
 - Sensor blindness due to dirt, snow, rain (mounting position too low)
 - Highly increased development and application costs – a mounting position outside of the sensor specification will require additional endurance runs for verification of each vehicle to ensure no false activations occur