

- 6.10. Unintended [false] activation of the driver warning and the service brakes by the AEBS.
- 6.10.1 The Technical Service shall undertake two out of the three of the following tests to demonstrate that the system has been designed to avoid activation of the warning or braking system during normal driving. The manufacturer shall provide documentation to the Technical Service to demonstrate compliance in other situations.
- 6.10.2. Test 1 Passing stationary vehicles in adjacent lanes
- 6.10.2.1. Two stationary target vehicles of category M<sub>1</sub> AA saloon shall be located either side of the subject vehicle's lane of travel. The target vehicles shall be positioned in the same direction of travel in both adjacent right and left hand lanes.
- The width of the lanes shall be 3.5m; each vehicle's longitudinal centre line shall be aligned with the centre line of the lane.
- 6.10.2.2. The test shall commence with the subject vehicle positioned greater than 60 m behind the target vehicles. The subject vehicle shall follow the centre line of the subject vehicle lane passing between the target vehicles at a constant speed of [50+/- 2km/h].
- 6.10.2.3. The AEBS shall not initiate a driver warning phase or emergency braking.
- 6.10.3. Test 2 Overhead Bridge / Gantry test
- 6.10.3.1. The test may be conducted using a bridge structure (Ref. xxxx) offering a minimum clearance between the vehicle and target of [1 m]. It shall have a maximum height of [5.0m] or with the following target.
- 6.10.3.2 A representative road sign measuring at least the width of the lane shall be placed at a height of [5.0m] above the lane of travel of the subject vehicle.
- 6.10.3.3. The test shall commence with the subject vehicle positioned greater than 60 m behind the target vehicles. The subject vehicle shall follow the centre line of the subject vehicle lane passing under the target at a constant speed of [50+/- 2km/h].
- 6.10.3.3. The AEBS shall not initiate a driver warning phase or emergency braking.
- 6.10.4 Test 3 Adjacent vehicle in a curve test
- 6.10.4.1 The test shall be carried out on two adjacent lanes, the inner marking of the inside lane shall have a radius of curvature of [not less than 125m]. The width of each lane is 3.5m and the vehicles shall be driven in the centre of the lanes.

- 6.10.4.2 The target vehicle shall be travelling in the outside lane at a speed of [30 km/h].
- 6.10.4.3 The subject vehicle shall be driven in the centre of the inside lane at [50 km/h] and shall approach and pass the target vehicle.
- 6.10.4.4 The AEBS shall not initiate a driver warning phase or emergency braking.
- 6.10.4.5 The manufacturer shall provide as part of the documentation to the Technical Service the evidence that the vehicle will pass the test when the target vehicle is travelling in the opposite direction.

ALTERNATIVELY suggestion from NL (one combined test to replicate two from the above list)

- 6.10. Test of a false warning and a false activation of the service brakes of AEBS-M/A.
- 6.10.1 The obstacles either side of the lane of travel of the subject vehicle shall be the two stationary vehicles of category M<sub>1</sub> AA saloon. They shall be parked in the same direction in both right and left hand lanes. The width of a lane is 3.5m; each vehicle is located at the borderline closest to the lane of travel of the subject vehicle.
- 6.10.2 A road sign measuring at least the width of the lane shall be placed at a height of [4.0m] above the lane of travel of the subject vehicle.
- 6.10.3 Travelling in the centre lane, drive the subject vehicle from more than 60m behind the targets in the centre of the lane at the constant speed of [50+/- 2km/h], and pass through the targets.
- 6.10.4 The AEBS-M/A shall not initiate the warning phase or the emergency braking phase.