



## Advanced Emergency Braking Systems and Lane Departure Warning Systems

### Advanced Emergency Braking Systems (AEBS)

- Regulation (EU) 347/2012 (AEBS) comes into effect:-

**Level 1** = 1st November 2015

- Level 1 = Collision Warning and Emergency Braking for all M3, N3 and specific N2 (maximum mass exceeding 8 tonnes and equipped with pneumatic or air-over-hydraulic braking systems and pneumatic rear axle suspension systems).

**Level 2** = 1st November 2018

- Level 2 = Applies additionally to vehicles with Hydraulic Braking System and non-pneumatic rear axle suspension systems including category M2 and also N2 (maximum mass not exceeding 8 tonnes).

### AEBS – Official Definition

- The system shall automatically detect a potential forward collision, provide the driver with a warning and activate the vehicle braking system to decelerate the vehicle with the purpose of avoiding or mitigating the severity of a collision in the event that the driver does not respond to the warning.
- The system shall only operate in driving situations where braking will avoid or mitigate the severity of an accident, and shall take no action in normal driving situations.

### What do our OEM Partners Call it?

VCA	DAF	Iveco	MAN	Mercedes
Advanced Emergency Braking Systems (AEBS)	Advanced Emergency Braking System	Advanced Emergency Braking System	Emergency Brake Assist	Active Brake Assist
Lane Departure Warning Systems (LDWS)	Lane Departure Warning System	Lane Departure Warning System	Lane Guard System	Lane Keeping Assist

### Lane Departure Warning Systems (LDWS)

- Regulation (EU) 351/2012 (LDWS)
  - Comes into effect 1st November 2015.
  - Lane departure warning systems for M2, M3, N2, and N3.

### LDWS – Official Definition

- The LDWS shall warn the driver if the vehicle crosses over a visible lane marking for the lane in which it is running, on a road with a directional form that varies between straight and a curve having an inner lane marking with a minimum radius of 250m, when there has been no purposeful demand to do so.