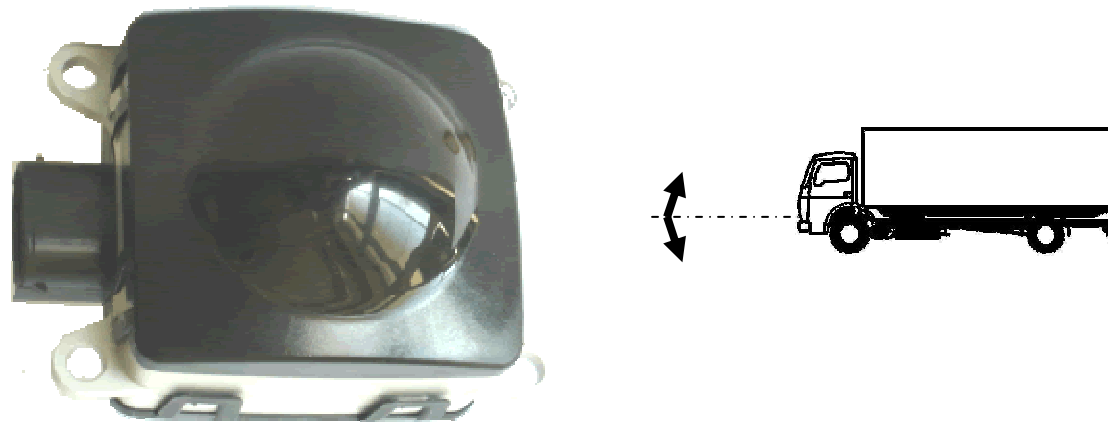


GRRF 70th Session – 12th-13th May 2011

Advanced Emergency Braking System (AEBS) Sensor Technology – Vertical Angle Capability – Status



AEBS Sensor Technology (radar) – Vertical Angle Capability – Status

Sensor (component) – in series production:

- **static – $\pm 2^\circ$ (1st generation)**
- **adjustable – $\pm 7^\circ$ adjustment (not automatically)**

Sensor (component) – in development

- **static – $\pm 4\frac{1}{2}^\circ$ (2nd generation) Start of production in 2012**

Sensor system – not in series production :

- **Sensor + horizontal zero adjustment system**
= System Integration (for series production application engineering necessary)

Horizontal zero adjustment system:

- **Vehicle attitude input**
 - **direct load input (sensor output)**
 - or
 - **attitude estimation from vehicle operating data**

⇒ basic logic + vehicle application engineering necessary