Speed Assistance Systems

Are vehicle makers fitting them?

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ETSC Dinner Debate – Fitting Safety as Standard

Members’ Salon, European Parliament, 3 November 2014
Encouraging wider fitment, better functionality and greater performance
Safety Assist

- SBR
- SLD/SAS
- LDW/LKA
- ESC
- AEB Interurban
Speed Assistance put to the test

**SLIF**
Functionality check on different types of roads - OEM reports on accuracy & coverage

**MSA**
Exceeding set speed at 50, 80 and 120 km/h - check warning and limitation function

**ISA**
Ensure that the speed limits from the SLIF can be taken over by the MSA
Providing driver assistance

The reduction of fatality risk (%) in relation to reduced speed

- **Speed Limit Information Function (SLIF)**
- **Manual Set Speed Assist Function (MSA)**
- **Intelligent Speed Assist Function (ISA)**

Reduce speed to save lives...

Requirements for three main functions of Speed Assistance Systems

![Graph showing reduction of fatality risk vs. reduction of speed before impact](image)
Promoting best practice...

Systems that offer speed limit info and/or independent setting of the travel speed

- Systems based on camera only / map only
- Systems that combine camera and map

Systems that offer speed limit info and offer driver confirmed setting of the speed

- Systems based on camera only / map only
- Systems that combine camera and map
Installation rates in Euro NCAP tested vehicles*

Most systems so far offer manual set speed (MSA)

* System must be offered on 50% or more volume sales across EU-28 to be recognised by Euro NCAP (increasing to 100% in 2016)
Roadmap 2020

Domain 1
- Front occupant protection
- Far side occupant protection
- SBR update

Domain 2
- AEB C2C Phase 2
- AEB Cyclists

Domain 3
- LKA
- Road departure and evasive steering

Domain 4
- SAS
- Driver monitoring
- Semi-automated driving

Ratings – Rewards – Tests Campaigns – Consultation
Further plans on SAS

- Euro NCAP will update requirements in 2016 for future systems
  - More stringent on map coverage data
  - Add recognition of sub-signs for camera based SLIF (that read conditional signs)
  - More accurate Speedometer
  - ...

www.euroncap.com
ISA promoted through Euro NCAP rating since 2009

There is a steadily increase in installations on vehicles

Most popular systems still offer simple driver set warning and/or limitation (MSA)
  • Some SLIF based on camera but not yet fully integrated

There is room for improvement in terms of performance – map quality is crucial
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