

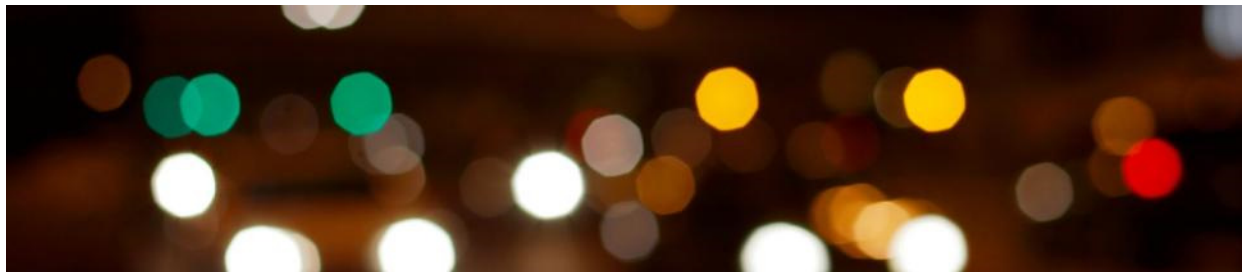
**Euro NCAP's and
the Swedish
Transport
Administration's
efforts in
promoting
improved speed
management**

**Anders Lie,
Swedish Transport
Administration and
Euro NCAP**



TRAFIKVERKET

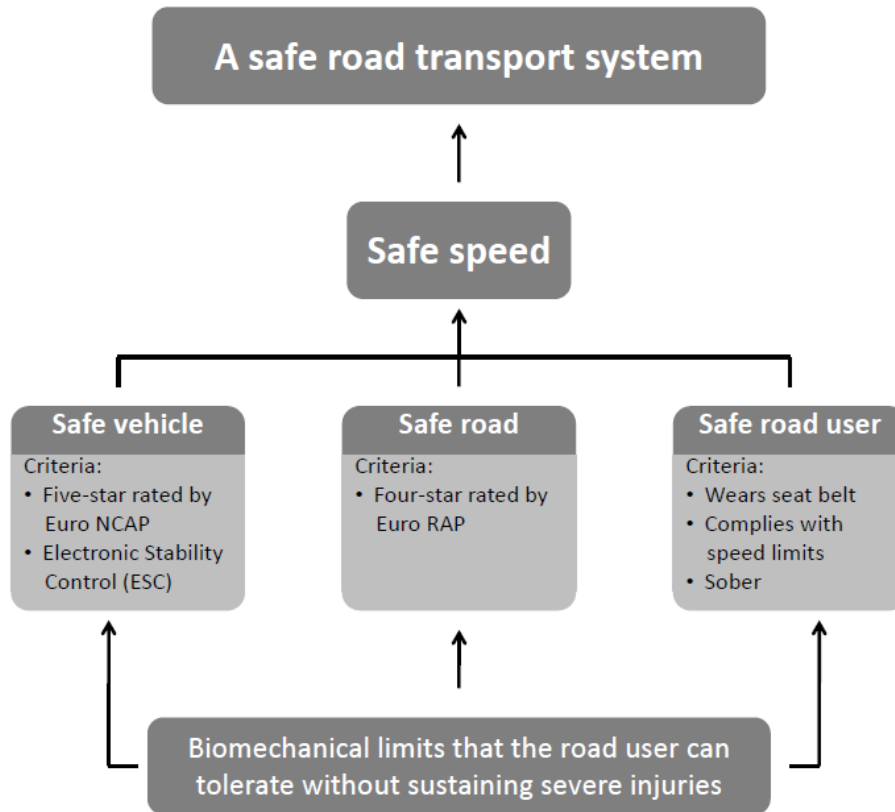
The Swedish Transport Administration



The key is the road transport system as a whole



Vision Zero model for safe traffic



The vehicle:

- High NCAP score
- ESC

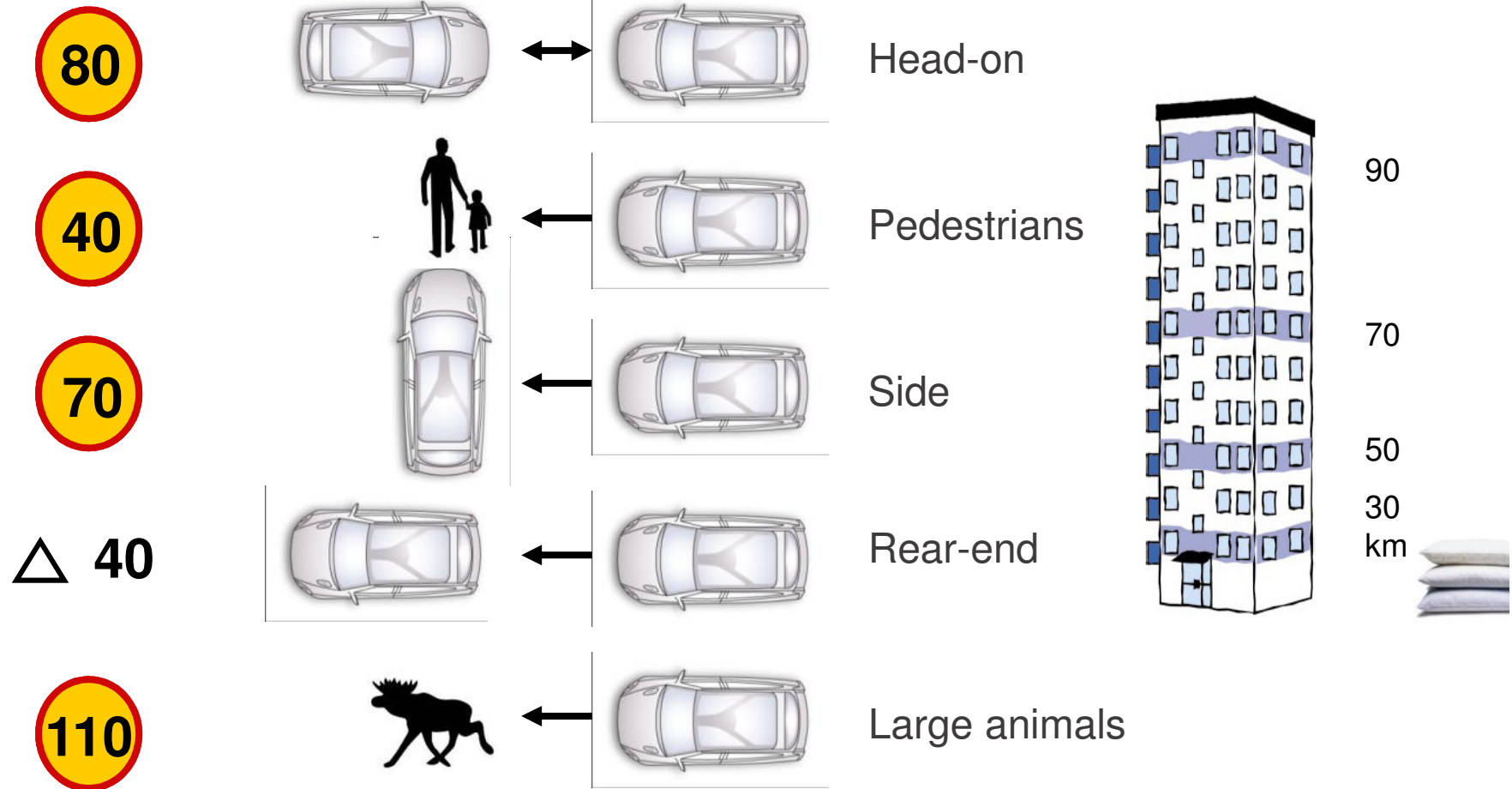
The user:

- Wears seat belt
- *Complies with speed limits*
- Sober

The road:

- Four star rated in RAP

Road / Vehicle / Speed limit (Potential future)



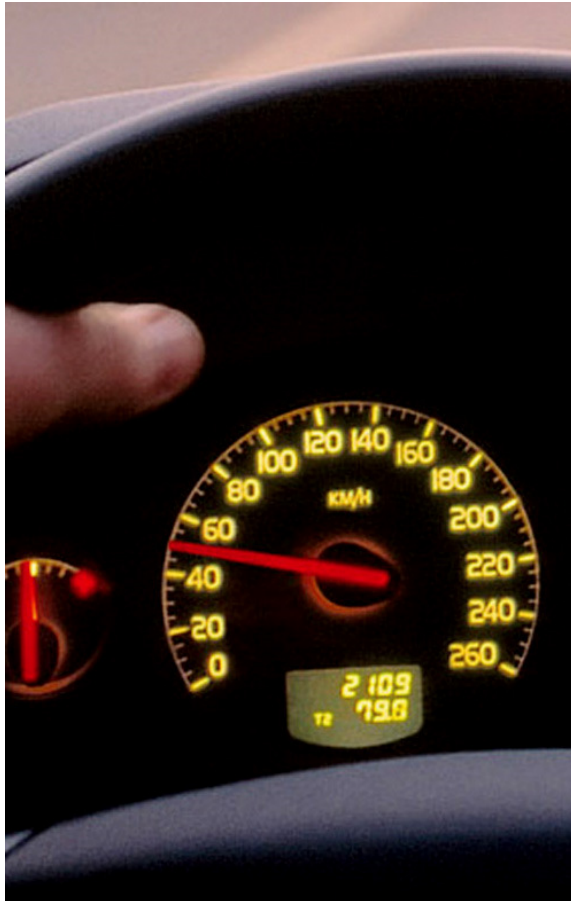
Speeds and technology, how can we support drivers?

- Humans are fairly blind to speeds
- Enforcement helps
- Technology supports



Sweden 1999-2002

LARGE-SCALE SPEED-ALERT TRIAL



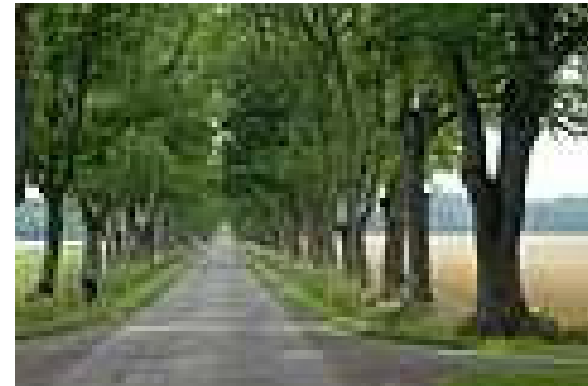
- **5 000 vehicles**
- **Three years**
- **Four test areas**
- **8 million euro**

High quality speed map

Sustainable travel and transports (Under Swedish Road Administration)

- Includes many activities
- Aims to develop a program and action plans
 - companies
 - municipal councils
 - public transports authorities
 - organizations
- Change attitudes and travel habits

Swedish Transport Administration has a slightly different instruction



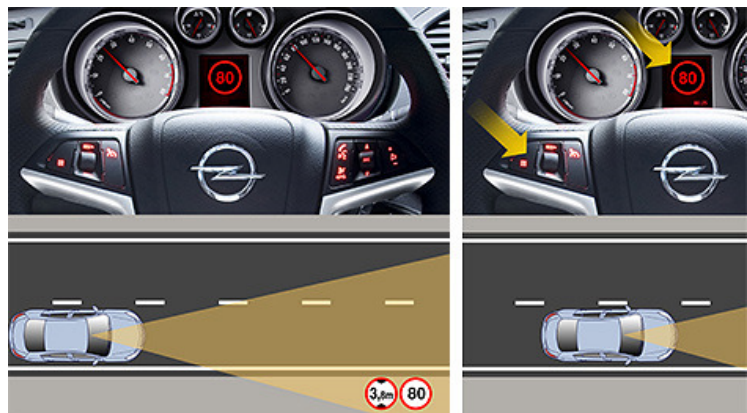
Focus areas

- Speed
- Alcohol & drugs
- Seat Belts
- Safe vehicles
- Carbon dioxide emissions
- Hazardous emissions

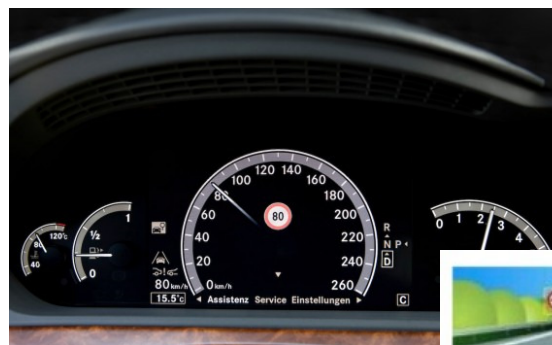


Speed limit as part of navigation systems





Opel Insignia



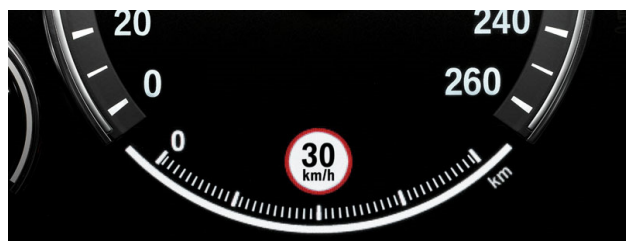
Mercedes S-Klass

2010



Note: Information shown in main instrument as

Saab 9-5



BMW 5-Serie



Ford Focus



VW Phaeton / Passat



Audi A6

How can a mass market introduction happen?

Engage vehicle manufacturers

Engage system developers

Engage map suppliers

Euro NCAP as a toolbox

2009 Speed Limiters

2013 SAS Speed assistance systems



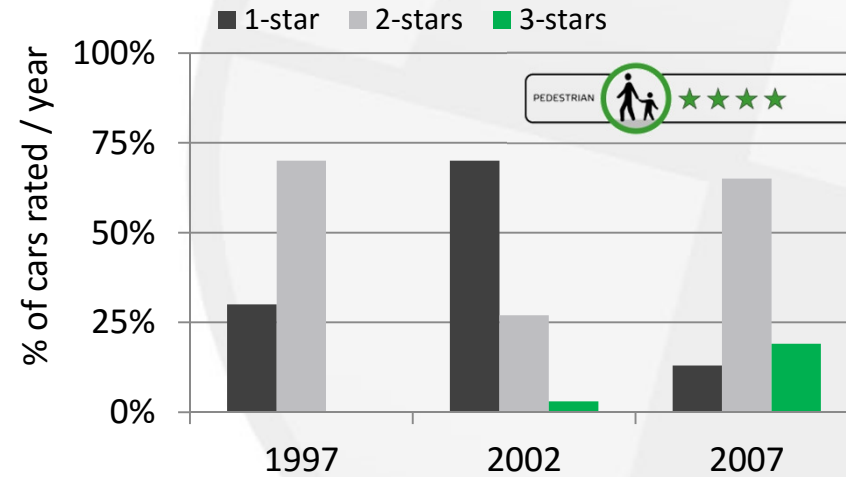
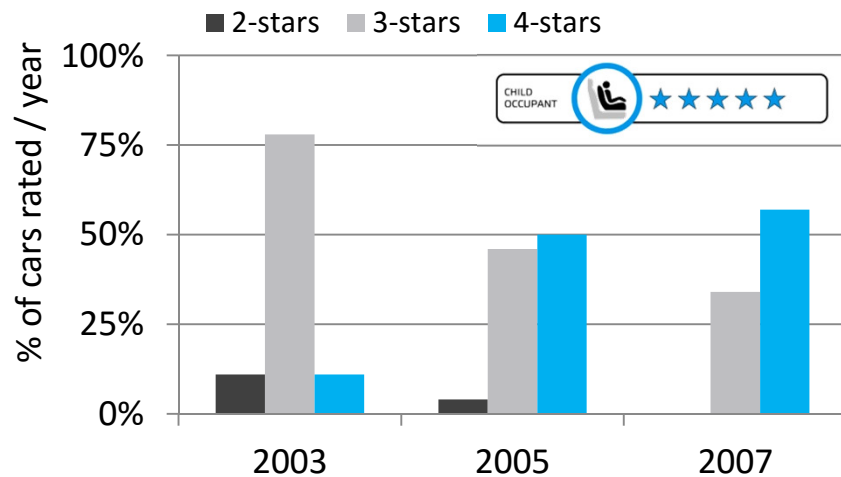
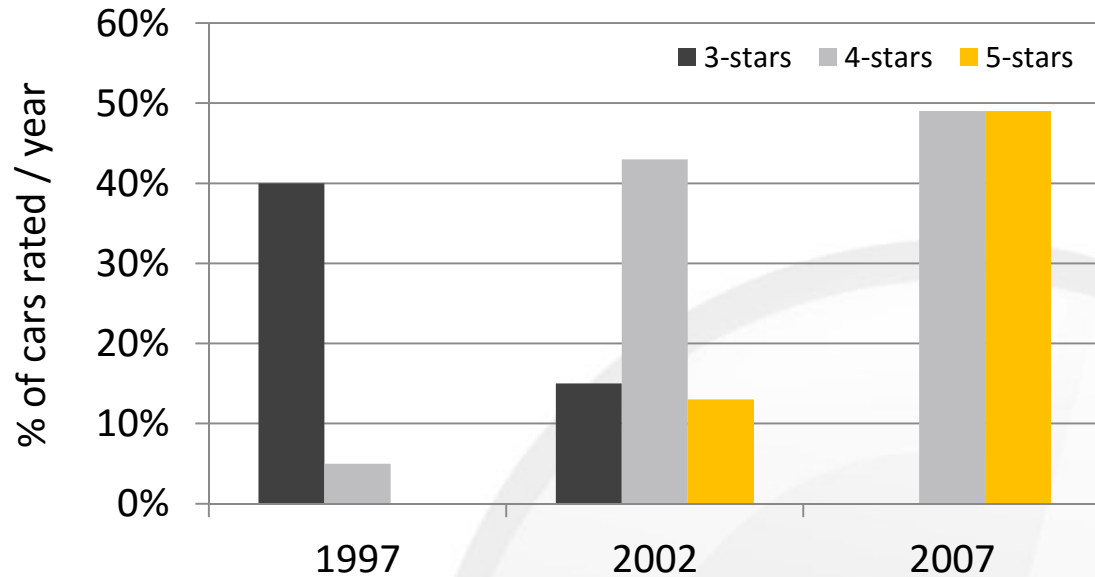
New Car Assessment in Europe









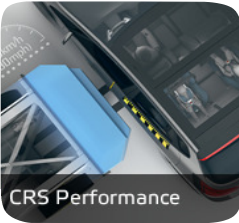
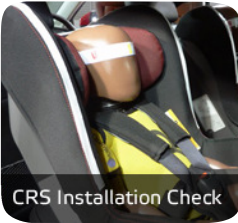
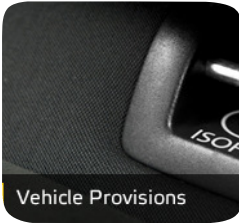










■ Providing consumer information since 1997

The image features a map of Europe with a yellow location pin in the central region. Surrounding the map are logos of various national assessment bodies and research organizations:


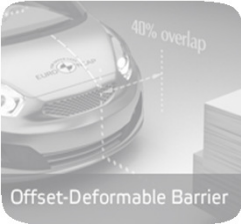



















- LE GOUVERNEMENT DU GRAND-DUCHÉ DE LUXEMBOURG** (Ministère du Développement durable et des Infrastructures)
- ADAC** (TRAFFIKVERKET)
- ICRT** (INTERNATIONAL CONSUMER RESEARCH & TESTING)
- Ministry of Infrastructure and the Environment**
- Thatcham Research** (Department for Transport)
- Thatcham Research**
- CSI** (CERTIFICAZIONE E TESTING)
- thass international**
- MIRA**
- bast** (Federal Highway Research Institute)
- Applus⁺ IDIADA**
- ADAC**
- CERAM** (GROUPE UTAC CERAM)
- Generalitat de Catalunya** (Government of Catalonia)
- ACI** (Automobile Club d'Italia)
- RÉPUBLIQUE FRANÇAISE** (Ministère de l'Écologie, du Développement durable et de l'Énergie)
- FIA**

Driving Improvements in Crash



	 40% overlap Offset-Deformable Barrier	 Full Width Rigid Barrier	 Side Mobile Barrier	 Side Pole	 Whiplash	 AEB City
	 CRS Performance	 CRS Installation Check	 Vehicle Provisions			
	 Head Impact	 Upper Leg Impact	 Lower Leg Impact			
	 Speed Assistance	 Lane Support	 AEB Interurban	 Seatbelt Reminders		

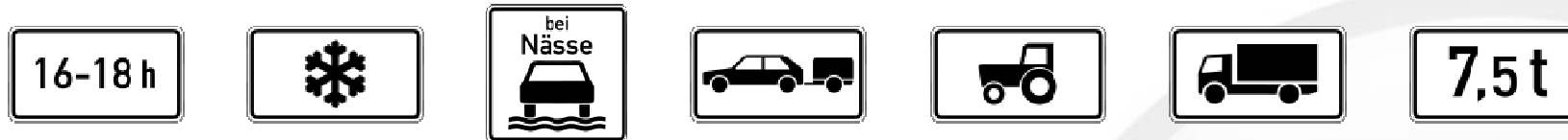
Euro NCAP Rating

	 Offset-Deformable Barrier	 Full Width Rigid Barrier	 Side Mobile Barrier	 Side Pole	 Whiplash	 AEB City
	 CRS Performance	 CRS Installation Check	 Vehicle Provisions			
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	 Speed Assistance	 Lane Support	 AEB Interurban	 Seatbelt Reminders		

- Speed Limit Information Function
 - Proving reliable information about speed limit
- Manual Speed Assist
 - Driver sets threshold for warning or limitation
 - Warning function
 - Speed limitation function
- Intelligent Speed Assist
 - Driver or system enters known speed limit indicated by car

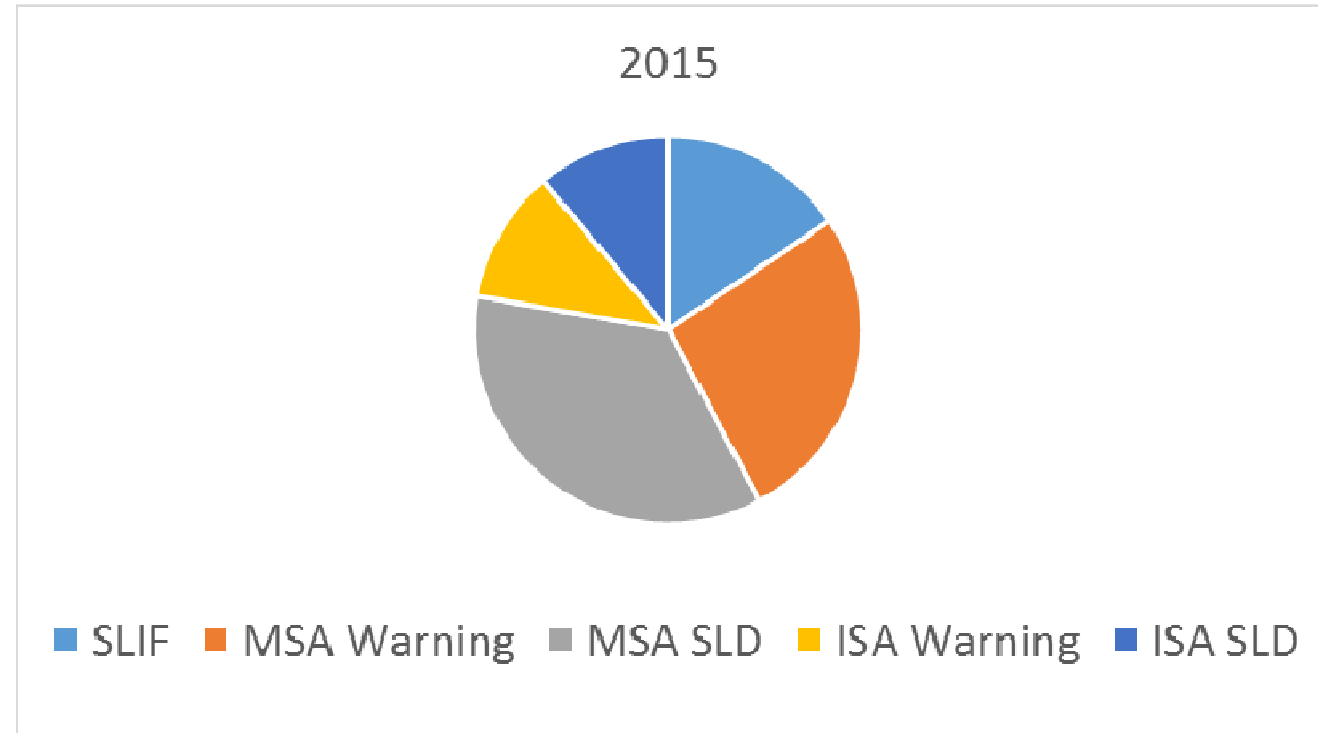


- Introduction of conditional speed limits, i.e. rain, time, etc.



- Show conditional speed limit
- Display correct speed limit taking conditions into account
- More accurate speedometer

	SLIF	MSA	ISA
Communicating speed limit (Section 4.4)	1.00		1.00
Camera based			
- without subsign recognition	0.25		0.25
- with subsign recognition	0.50		0.50
Digital Map based			
- without subsign recognition	0.25		0.25
- with subsign recognition	0.50		0.50
Camera and Digital Map combined			
- without subsign recognition	0.75		0.75
- with subsign recognition	1.00		1.00
Warning Function (Section 4.5 and 4.6)		0.50	1.00
Speed Limitation Function (Section 4.7)			
- Vstab within -10/+0 km/h of Vadj		0.75	0.75
- Vstab within -5/+0 km/h of Vadj		1.00	1.00



2015

38 cars tested

3 without any SAS

New possibilities also in commercial traffic



UN Global Goals



THE GLOBAL GOALS

For Sustainable Development



By 2020, *halve the number* of global deaths and injuries from road traffic accidents



Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks



By 2030, provide *access to safe*, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons



Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle



Promote public procurement practices that are sustainable, in accordance with national policies and priorities

Thank you!



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