

Intelligent Speed Assist (ISA) Program Fact Sheet//

▲ This fact sheet outlines the available intelligent speed assist (ISA) technologies.

www.IAP.gov.au

WHAT IS INTELLIGENT SPEED ASSIST? //

Intelligent Speed Assist (ISA) is a road safety technology which advises drivers of the speed limits on the roads they are travelling and can prevent incidences of over speed.

ISA systems typically use GPS satellites or direct connection to the vehicle to determine the vehicle's position in relation to a digital map of speed zones in which the vehicle is travelling.

ISA systems provide warnings to the driver or can automatically intervene to prevent vehicles from speeding.

WHAT TYPES OF ISA ARE AVAILABLE? //

ISA system can have three levels of implementation:

- The ISA system can inform drivers of the current speed limits and alert them of speeding events with audiovisual feedback. Such ISA systems are advisory in nature.
- The ISA system can also provide haptic feedback to drivers. In case of speeding, the pedal will become harder to push. Such ISA systems are described as providing assistance to drivers.
- The ISA systems can automatically limit the vehicle's speed by directly intervening in the control of the engine. Such ISA systems are known as limiting systems.

WHAT ARE THE BENEFITS OF ISA? //

ISA has the potential to deliver significant road safety benefits due to reduced vehicle speeds, reduced speed variation between vehicles and reduced crash severity which can result in fewer road fatalities.

ISA also has the potential to monitor repeat speeding offenders and can deliver environmental benefits through fuel savings and lower vehicle emission.

WHAT IS CURRENT STATUS? //

Several ISA advisory and assistance devices are now available.

Various ISA trials are currently underway on the advisory and assistance devices in Western Australia, Victoria and New South Wales. The results of these trials are expected by end 2009.

WHO IS INVOLVED IN ISA? //

The Australian Intelligent Speed Assist Initiative (AISIA) involves the State Government Transport and Road Safety agencies with an interest in the development and implementation of the ISA technology in Australia.

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