

# eCall in Sweden



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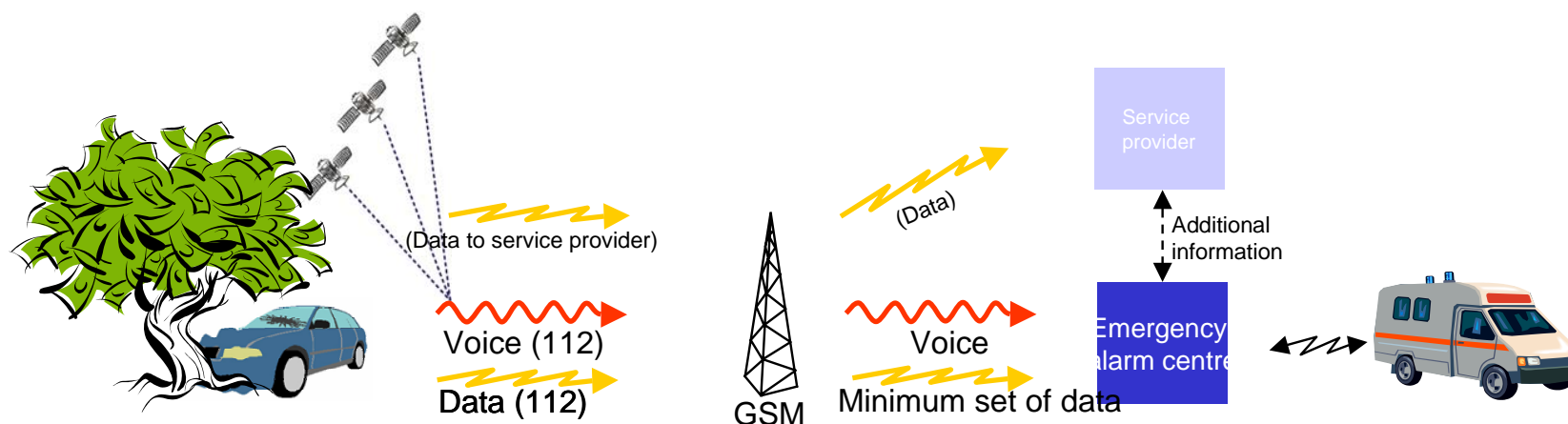
# eCall – a way to save lives

In the event of an accident, eCall is automatically activated via a data channel or manually via a voice channel

A signal is sent to an emergency alarm centre with information about

- Time
- Location and direction
- Vehicle identity
- Service provider (if applicable), which can provide more information
- Type of eCall alarm (automatic/manual)

The emergency alarm centre sends the appropriate emergency response to the exact location with additional information from the service provider





# *Aim of a national commitment*

eCall can contribute to

Reduce the impact of car accidents in terms of

- lives
- suffering
- costs to society

...and is therefore important for road safety

The aim of a national commitment is to:

- show that Sweden has joined international efforts
- to give the eCall service an official character
- work to create a national eCall service in Sweden in accordance with international standards and agreements

## *Efforts at European level*

### Some milestones on the road to a pan-European eCall concept:

- Decision on a single European emergency call number (112) (Decision 91/396/EEC)
- Requirements that telephone operators provide location information to emergency services for 112 calls (Directive 2002/22/EC)
- EU, ACEA (European Automobile Manufacturers Association ) and ERTICO sign a MoU for a pan-European eCall (spring 2004). Autumn 2004 a further 20 parties sign the MoU.
- Agreement on a Commission/industry action plan to launch eCall in February 2005

### Several European projects have been carried out, including

- E-MERGE
- GST – Rescue
- e-Safety

## ***Parties and their roles***

- **EU** finances development efforts, makes important decisions and has signed the MoU
- **Departments and authorities** provide an official status for eCall and can contribute to activities
- **Emergency alarm centres** play a key role as receivers of eCall alarms and in instigating an emergency response. In Sweden, SOS Alarm is responsible for dealing with the 112 emergency call number
- **Emergency services and health services** can react faster and more efficiently
- **Insurance companies** can reduce their payments, which could offer an opportunity for discounted premiums
- **Vehicle industry** and other service providers are offered an expanding market and can develop new additional services
- **Telephone operators** provide the communications link for the emergency call number 112 according to the agreed standard

# *The potential of eCall*

A fully developed eCall service in Sweden with implementation in all vehicle is estimated to result in

- a 2-4% reduction in the number of road fatalities (i.e. 10-20 lives) to serious injuries
- a 3-4% additional reduction in the number of seriously injured with lasting problems to slightly injured
- no change in the number of slightly injured
- a slight reduction in delays caused by road accidents

The annual benefit in Sweden is estimated at between SEK 550 million and SEK 850 million

Costs include

- investment and operation of emergency alarm centres (about SEK 3-4 million/year)
- vehicle equipment – purchasing and operation (SEK 350-500 million/year)

**Benefit-cost ratio between 1.2 and 4.2**

**Additional added value** created by the eCall service. New services can be developed which use the eCall platform, that would benefit both business and road users.



# **Recommendations for Swedish response** eCall

## **Stage 1**

- The Ministry of Industry, Employment and Communications names the principal for the eCall service in Sweden
- The Ministry and/or its representative/s sign the Memorandum of Understanding (MoU)
- SOS Alarm is instructed to draw up a proposal for how the eCall alarm can be managed

## **Stage 2**

- The principal develops a plan for the introduction of eCall in Sweden
- Sweden participates in international implementation and standards work
- Guidelines are produced for eCall certification
- eCall is launched in Sweden, initially on key markets. Incentives are considered



Thank you!