



HeERO

Harmonised eCall European Pilot



At European level, the HeERO project will prepare, coordinate and carry-out pre-deployment pilot projects of the EU-wide eCall, which is based on the single European emergency number 112. It will use the common European standards defined and approved by the European Standardisation Bodies.

At a Glance

Project:

HeERO – Harmonised eCall European Pilot

Programme:

CIP – ICT PSP (Competitiveness & Innovation Programme – ICT Policy Support Programme)

Project coordinator:

Monica Schettino
ERTICO-ITS EUROPE
E-mail: m.schettino@mail.ertico.com
Tel: +32 (0)2 400 07 80

Partners:

International associations: ERTICO, EENA

Croatia: NPRD, HAK, ENT

Czech Republic: MDCR, MinVNI

Finland: MINTC, VTT, RMB, MMN, MININ

Germany: ITSN, ADAC, OCN, NC, NXP, FHT, CONT, S1nn

Greece: MINGR

Italy: PCM, MMN, CRF, ACI, TI, AREU

The Netherlands: RWS, KLPD

Romania: ITSRO, STS, RNCMNR, URA, UTI, ELSOL

Sweden: LSP, STA, ERIC, ACTIA, VCC

Please find the partners' full names at
www.heero-pilot.eu/view/en/heero/consortium.html.

Start date: 1 January 2011

End date: 31 December 2013

Total cost: 10 M€

EU funding: 5 M€

Project Website:

<http://www.heero-pilot.eu>

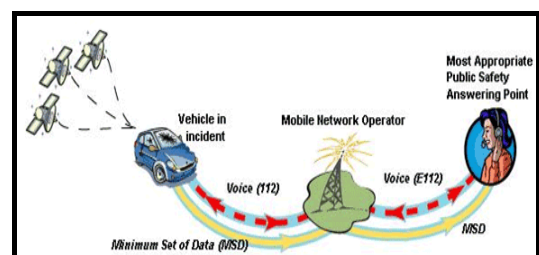
OBJECTIVE

The overall objective of HeERO is to prepare the deployment in Europe of the *necessary infrastructure* for making the pan-European in-vehicle emergency call service "eCall" a reality. eCall is based on the single European emergency number 112, and will work seamlessly across the EU and beyond.

SERVICE SOLUTION

eCall is an emergency call triggered either manually by vehicle occupants or automatically as soon as sensors embedded in the vehicle detect the impact of a serious accident. When activated, eCall establishes a voice connection with the relevant PSAP (Public Safety Answering Point). The PSAP is a public or private emergency call centre operating under public delegation.

Using the voice line, a Minimum Set of Data (MSD) is sent to the PSAP operator. The most important single data in the set is the accurate geo-location of the accident scene. Knowing the coordinates of the crash site enables the rescue services to arrive much faster there and to treat the victims much more quickly. Time saved thus translates into lives saved and less severe injuries.



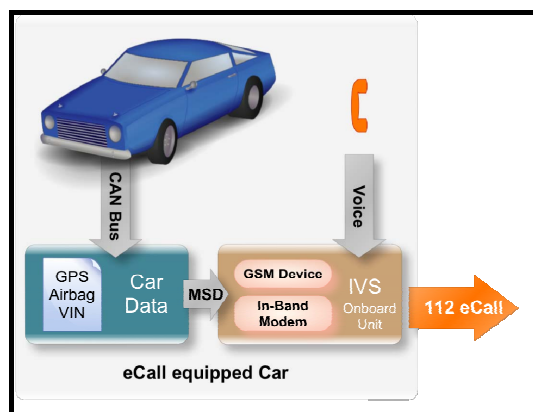
eCall architecture

METHODOLOGY

The pilot will start with a state-of-the-art analysis of the eCall value chain to identify system implementation requirements and necessary infrastructure upgrades. The focus will be on the in-vehicle system interface, the telecommunication infrastructure (specifically 112/E112 related parts) and the PSAP equipment.

Based on the results of this analysis, an implementation plan will be prepared for each participating country to guide service implementation and testing. Similarly, training manuals and emergency procedures will be prepared for the handling of eCalls.

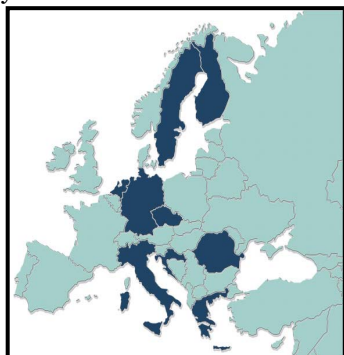
The pilots' trials will be run under real-life conditions and aim at testing the implemented components. The goal is to assess all systems required for the end-to-end operation of the pan-European eCall. Tests results will be evaluated and deployment enablers/barriers identified. These overall results of the pilot will be included in the final recommendations for eCall deployment in Europe and made available to interested third parties.



eCall IVS

THE PILOT COUNTRIES

The HeERO pilot includes national and international pilot projects involving, Croatia, the Czech Republic, Finland, Germany, Greece, Italy, The Netherlands, and Sweden. The project also includes cross-border testing activities with the Russian ERA-GLONASS system. More than 100 eCall equipped vehicles will travel within the different participating EU Member and other States as well as cross-border.



The nine countries of the HeERO pilot

Other Member States and interested parties are welcome to follow HeERO's activities. HeERO will work in close liaison with the European eCall Implementation Platform (EeIP), which is also open for new participants.

eCall STANDARDS

HeERO will implement, test and assess eCall standards defined and approved by the European Standardisation Organisations, namely ETSI MSG and CEN TC 278 WG 15.

IMPACT

HeERO will deliver a set of eCall implementation recommendations, best practices and guidelines to be used by participating countries for their national development of the eCall service. These documents will be made available to all European countries interested in eCall implementation. The goal is to have the infrastructure prepared and ready for use, and all involved organizations to know what to do and how to do it, when vehicles will be equipped with EU-wide eCall functionality.

Therefore the most important long term impact in Europe is the deployment of a sustainable and seamless eCall service across all countries. This will lead to increased road safety as eCall is one of the most promising road safety systems, such as safety belts, Antilock-Braking Systems (ABS) or Electronic Stability Control (ESC) in the past.



A PSAP in operation

Further information:

Information Desk
European Commission –
Information Society and Media DG
Email: info-desk@ec.europa.eu
http://europa.eu/information_society