



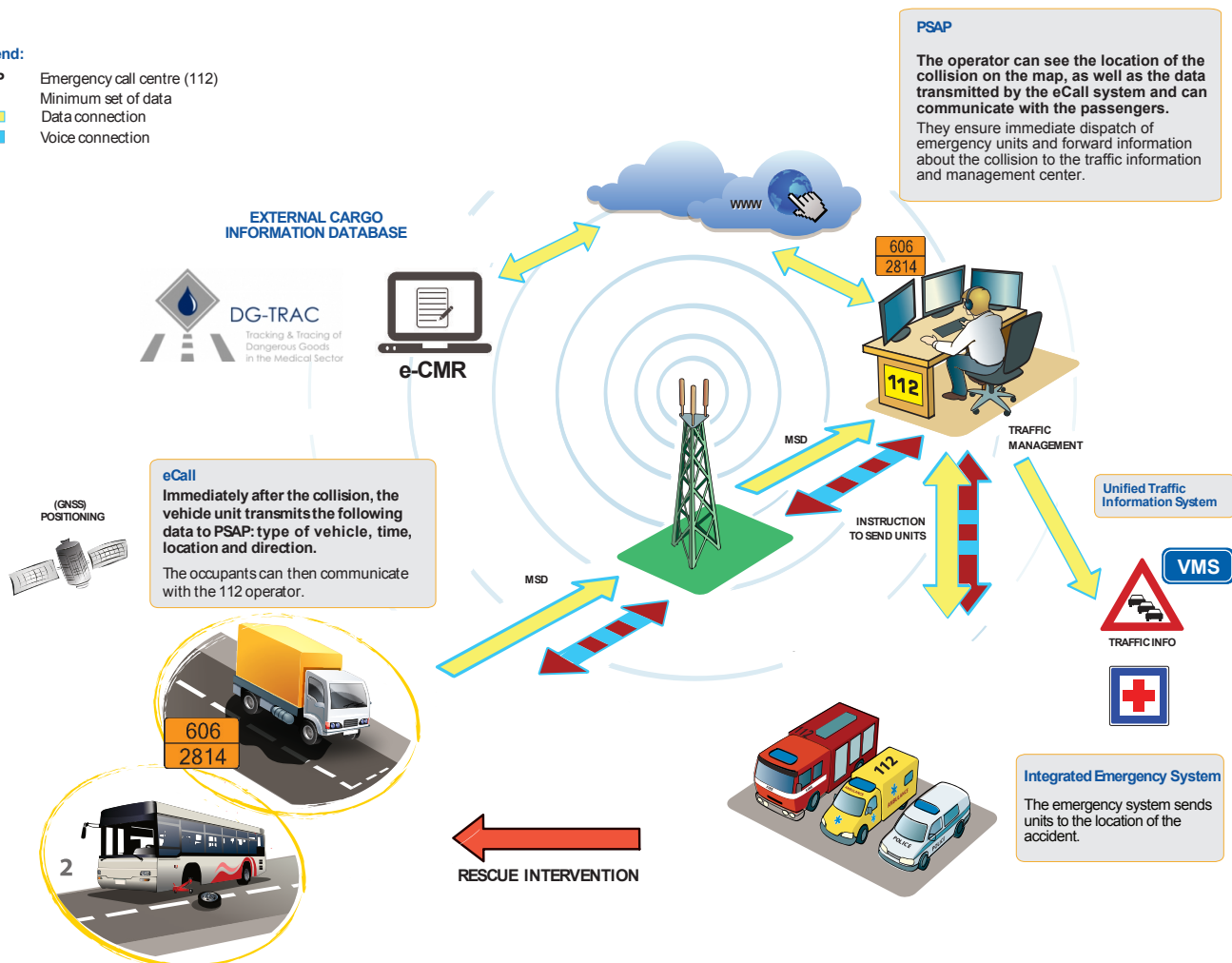
Deployment pilot project of EU-wide eCall

I_HeERO, ("I" for "Infrastructure") aims at the preparation of PSAPs in Member States for deployment of eCall based on 112 as reference implementations.

How eCall for HGV, buses and coaches works

Legend:

- PSAP** Emergency call centre (112)
- MSD** Minimum set of data
-  Data connection
-  Voice connection



Additional data (besides the MSD) is necessary for the emergency services to be effective.

For HGV (including dangerous goods), information on type and quantity of cargo is key, and external sources of information, for example **electronic documents** such as e-CMR and e-ADR, could be vital.

For buses and coaches the number of passengers would be very useful.

eCall for HGV Demo scenario



A **truck carrying infectious substances** is driving on a countryside road.

Suddenly, a cow crosses its path. The driver tries to avoid a collision and in the attempt swerves to the other side of the road and rolls-over.

Luckily, he does not get seriously injured.



The truck is **equipped with an eCall device**, which detects a roll-over and immediately initiates an emergency call.

The device sends basic data to a PSAP, such as exact position (GPS), vehicle type and identification. In addition, it provides **cargo related data** and information on where more details on the cargo can be retrieved, e.g. **e-CMR** or **dangerous goods database** (DG-Trac).

The details include **consignor and carrier name and phone number**, and in case of dangerous goods also a UN-number and a Kemler code.



An operator receives the emergency call. Within seconds, additional **information on the cargo** is retrieved from an external source.

As the cargo contains infectious substances (UN-number 2814), as well as dispatching emergency services, the operator also requests support from a **dangerous goods handling emergency force**.

Moreover, the operator contacts the traffic management authority in order to set up a diversion.

The driver is transported to the nearest hospital.

Thanks to accurate information on the **type and quantity of transported goods**, the rescue team arrives at the site with the **relevant tools and protective gear**, and is able to mitigate the damage efficiently without exposing other lives at risk.



I_HeERO Consortium

Project leader: German State of Lower Saxony, under the authority of the German Ministry of Transport BMV

Technical Implementation in all aspects: ERTICO – ITSEurope

The project operates in 11 EU Member States (Bulgaria, Cyprus, Czech Republic, Finland, Germany, Greece, Ireland, Italy, Luxembourg, Portugal and Slovenia), includes approximately 100 commercial partners and a number of Associated Partners.



I_HeERO is funded under the Connected Europe Fund Annual Programme
– Grant agreement no. INEA/CEF/TRANS/A2014/1031743.