



Harmonised eCall European Pilot

Driving from Vision to Pilot eCall

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Agenda

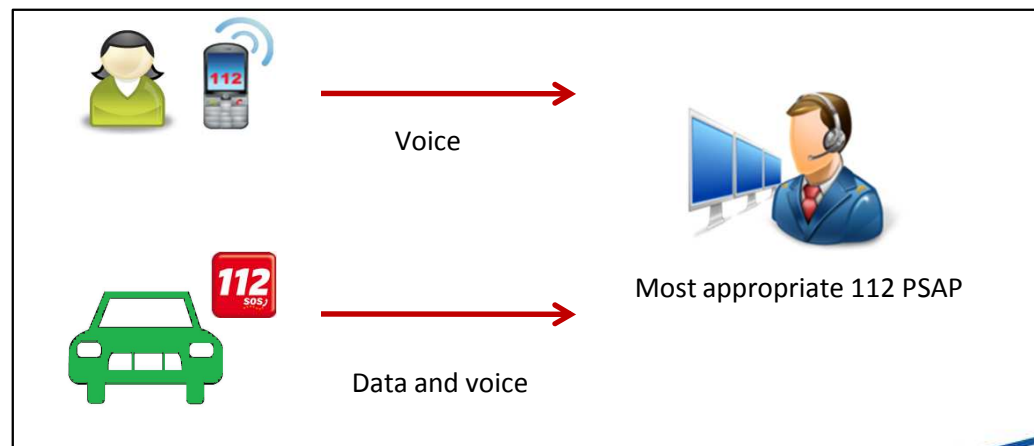
- Company Role within the Project
- The Vision – Integrated eCall Solution
- Advantages of Integrated eCall
- System Integration Activities
- System Integration Challenges
- Pilot Site Architecture
- Adapted Application Interface
- Recommended KPI Measured
- “eCall Acceptance’

Company Role within the Project

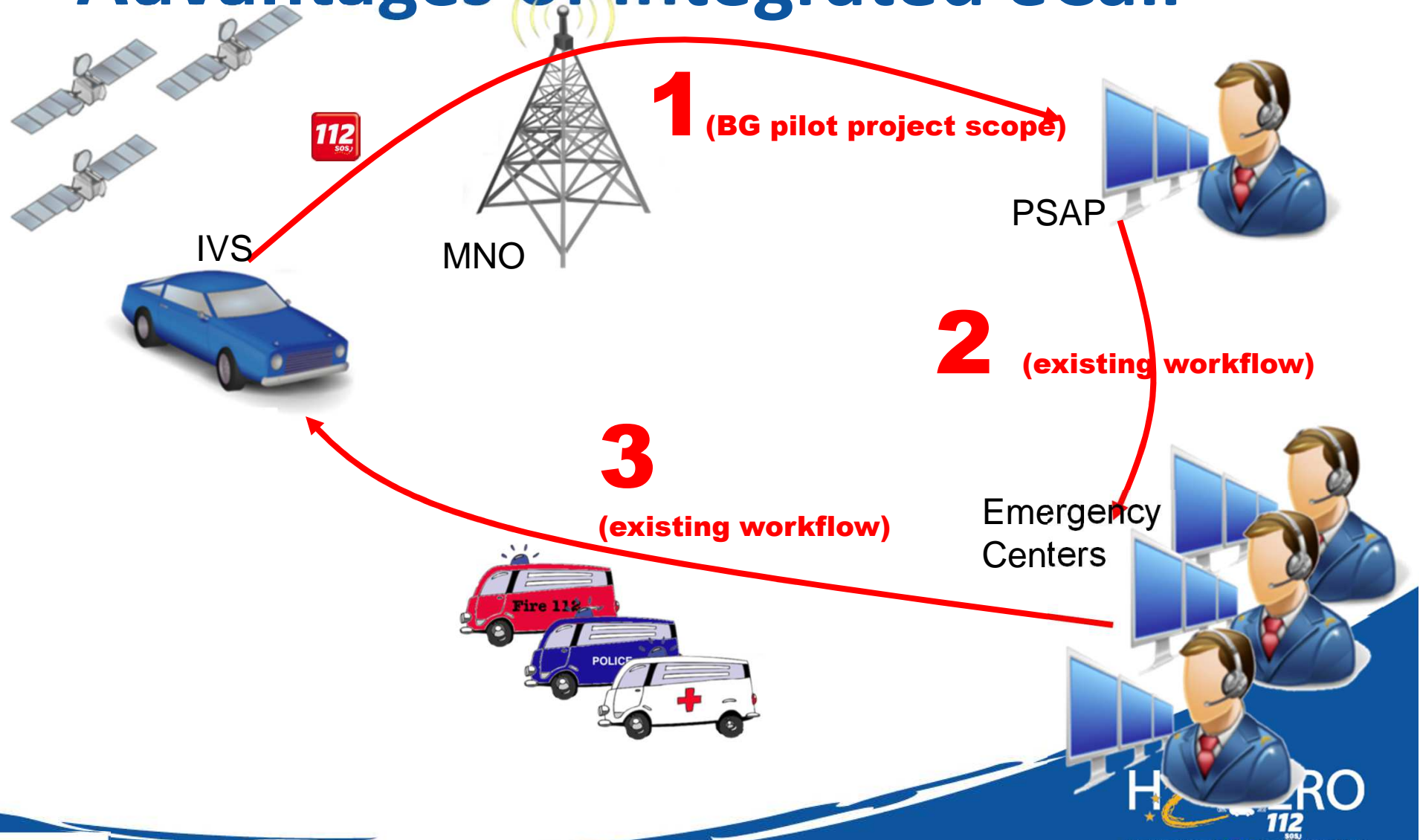
- Enterprise Communications Group (former Siemens Enterprise Communications) is the Solution architect and the System integrator within the Bulgarian consortium of HeERO2 project
- National System 112 was built in 2008 by Siemens Enterprise Communications. Our company provides life-cycle management of the system, as well as its further development
- eCall is a further enhancement of National System 112. The company provides technical coordination of the key work packages - Implementation, Operation and Evaluation, and implement eCall in pilot environment

The Vision – Integrated eCall Solution

- eCalls to be treated and routed as 112 calls
- Advantages of integrated eCall - the system dispatches eCall data (MSD) and eCall voice to the operator, following the same logic as for regular calls to 112



Advantages of Integrated eCall



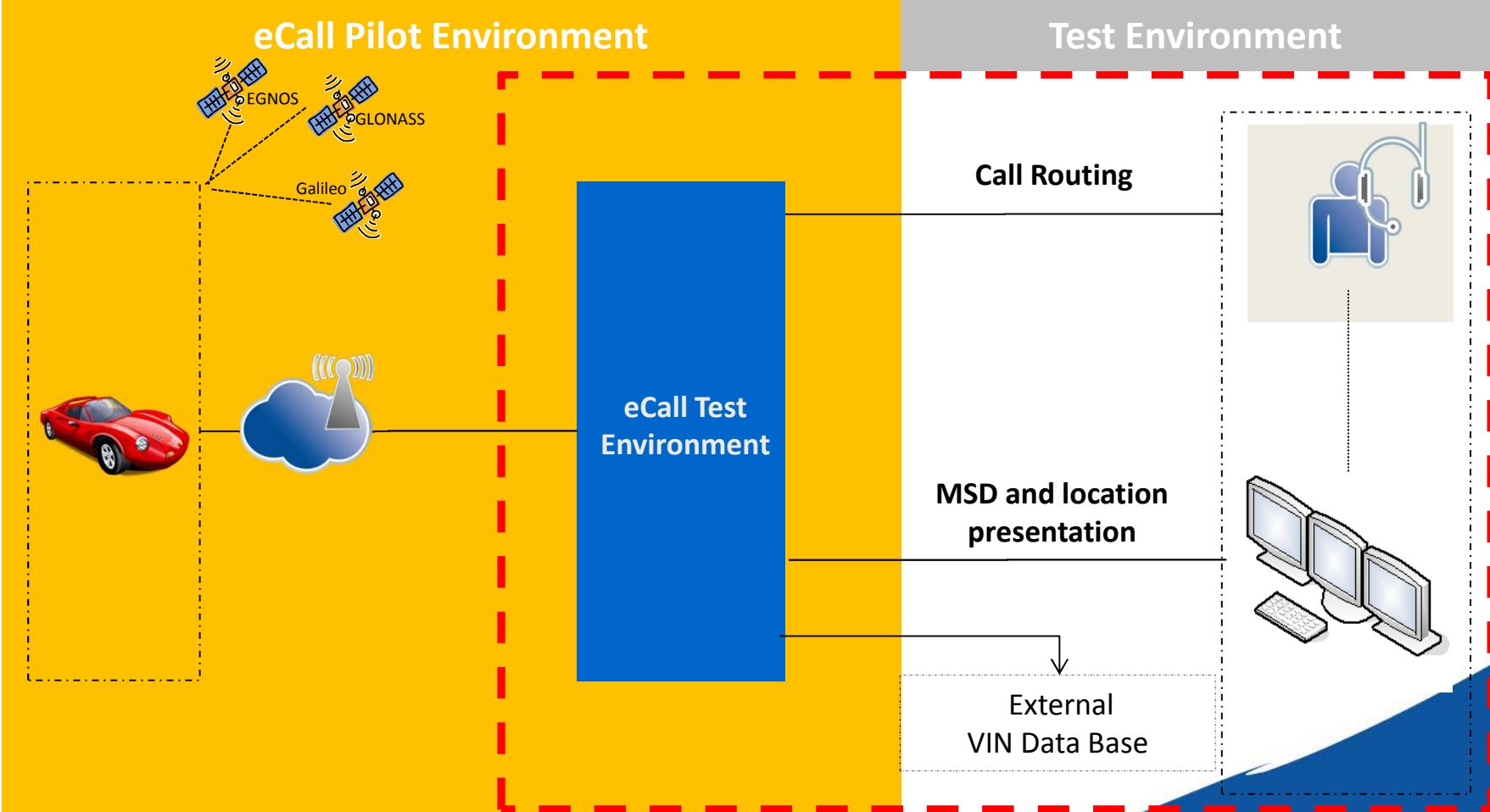
System Integration Activities

- Project Management support and overall technical coordination, as follows:
- Install and configure the delivered hardware
- Establish connection to MNO
- Develop test environment with adapted system software' for handling and integrating eCalls processing into 112
- Harmonize and test:
 - the workflows for handling eCall in 112, voice and data
 - the data exchange with vehicle databases (incl. EUCARIS)
- Train 112 operators

System Integration Challenges

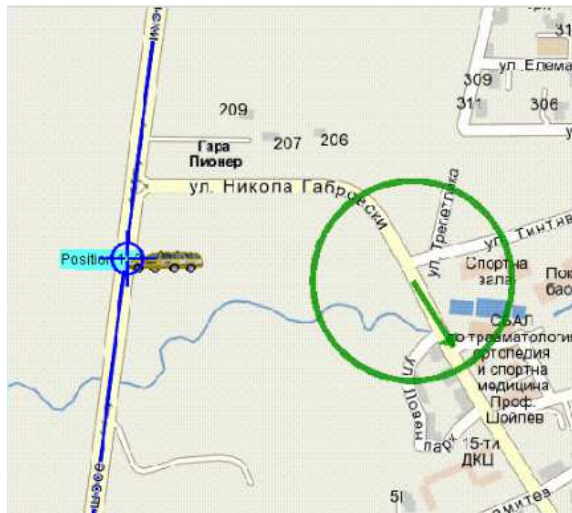
- Perform tests and evaluate results during 2013
 - **before** eCall flag implementation, eCall test environment – PSAP application integration and connection to EUCARIS or local VIN data base
- Perform tests and evaluate results during 2014
 - **after** eCall flag implementation, eCall test environment – PSAP application integration and connection to EUCARIS or local VIN data base
 - interoperability testing between test PSAP in Sofia and IVS devices from Belgium, Romania, Luxemburg, Croatia

Pilot Architecture



Adapted Application Interface

времени план		Център_112 София		предаване		20.10.2014_15:09	
Ecall							
E-Call- Type	Manual	VIN	WWWZZZ1KZ8P140058	Make	VOLKSWAGEN		
Time of incident	19.01.2038_05.14	Country	BG	Model	GOLF		
MSD Identifier	1	License #	CA8492HP	Variant	ACBFX0		
Location	42.66550972222225 23.	Vehicle type	passengerVehicle	Color	СИИ		
Position	can be trusted	Category	M1	Seats #			
Direction (degrees)	148	Fuel tank volume (cm3)		Passengers #	2		
Propulsion storage	gasoline						
Hybrid							
<input type="button" value="Get Data"/> <input type="button" value="Resend MSD"/> <input type="button" value="Callback"/> <input type="button" value="..."/>							



- eCall section
- GIS section

Recommended KPI Measured 2014

- Number of initiated eCalls >3'000
- Successfully completed eCalls using 112 ~93%
- Successfully received MSDs ~90%
- Success rate of correct MSDs - 100%
- Duration until MSD is presented in PSAP – 11s
- Success rate of voice transmissions >98%
- Interoperability tests >100

Thank you for attention!

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