Cross-border eSolution/eService Prototype Development

Prototype title: eCall

Short description of the prototype (problem to be solved, expected benefits, main stakeholders, expansion opportunities, related EU projects, references):

Problems to be solved: to enhance existing "112" services to provide cross-border enabled eCall service (compliant with HeERO initiative). Vehicles, equipped with eCall-compliant IVSs (GPS, GSM modem) will be serviced with same quality of service in the case of emergency calls in any state that participates in HeERO project; thus providing cross-border continuation and harmonization of the service in neighbouring countries.

Prototype description: The consortium plans to build an eCall service as the prototype on the foundation of existing "112" service in PSAP (Public Safety Answering Point). MNO (Mobile Network Operator) will take care of the appropriate handling of the 112 calls with eCall_Flag, while Iskratel will take care of delivering voice calls and Minimal Set of Data (MSD) to PSAP agents. PSAP stores MSD into the centralized database storage and provides open, secured interfaces for third-party services and applications integration.

Compliance to standards: project stakeholders will deploy a set of ETSI and CEN standards within their products/services

Expected benefits for "112" service operator: enhancing exsiting "112" service solution with eCall as pan-European initiative, which every EU Member State has to establish till 2015; verifying cross-border scenarios.

Expected benefits for MNO: implementation and support of eCall_Flag, as standardized in ETSI standards.

References: existing "112" service, operated by URSZR; Iskratel's own product line for handling "112" calls (pilots?).

Expansion opportunities: To use experience and knowledge from the CIS (Russia, Ukraine) to provide cross-border continuation and harmonization of the service in between Russia and EU (GPS-GLONASS interoperability).

The future prototype enhancements (the 2nd phase): supporting http on IVS; implementing open APIs on data storage to enable the integration with other services; supporting language- and speech recognition.

ICT requirements for the prototype deployment:
A modular solution with doubled vital elements of the system, which can be tailored efficiently according to the specific requirements in each country in order to get a harmonized solution in the European Union and CIS.

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Existing partners (representative, position, organization, country):
-, -, Continental GmbH, Germany
-, -, Kapsch Carrier Com, Austria

New partners search:
Iskratel is primarily interested to find business partners from Germany, Austria, Croatia, Serbia, Montenegro and Bosnia and Herzegovina for:

- manufacturing vehicles and on-board-units with integrated GPS and GSM modem ("IVS")
- operating Mobile Networks
- operating public "112" centers
- implementing and integrating PSAP (Public Safety Answering Point): eCall call-center and its enhancement

Germany: BMW AG
Austria: Magna Steyr Fahrzeugtechnik AG & Co KG
Romania: SC Automobile Dacia SA
Croatia: Ericsson Nikola Tesla, Hrvatski Telekom d. d., Faculty of Electrical Engineering and Computing, University of Zagreb, COMBIS, usluge integracija informatičkih tehnologija, d.o.o.
Serbia: Fiat Automobili Srbija; Telekom Srbije; Telenor; VIP Net
Bosnia and Herzegovina: m:tel; BH Telecom d.d; Volkswagen Sarajevo d.o.o.
Montenegro: T-Mobile, m:tel , Telenor