

2nd Danube eRegion Conference – DeRC 2012

Grand Hotel Union Ljubljana, Slovenia

Monday - Tuesday, September 24-25, 2012

<http://eLivingLab.org/CrossBordereRegion/DeRC2012>

Cross-border eSolution/eService Prototype Development

Prototype title: Smart services of Universal dispatcher and Operational Telecommunications networks for Railways (EUSDR Priority 1b)

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

Problems to be solved: To provide safe, reliable, standard and comfort carrier-class dispatcher operational and technological telecommunications services in integrated, versatile environments including fixed TMD and IP-based telecommunications networks, mobile networks GSM-R (Global System for Mobile Communications – Railway), TETRA, analog radio, ...

Prototype description: Fixed Terminal Dispatcher application with OTC (Operational and Technological Communications) and GSM-R capabilities, which are fully ETSI and EIRENE compliant with MLPP, SMS, VGCS/VBS services and operator-grade GSM-R voice and SMS services

Expected benefits for railway communication operator: One solution for all access technologies (TDM: LB, CB, announcements, PRI DSS1 and IP), extensible and compact equipment, redundant and geo-redundant configurations are possible, flexible and custom-made implementations, NGN IP solution that is future proof (LTE).

Expected benefits for dispatcher: easy to use terminal equipment, high-end features, dispatcher terminals with durable, bright, touch screen LCD, silent Fanless PC for comfort use, speaker box for hands free usage, handset with PTT key for conferences with one way (simplex) communication.

References: Slovenian Railways (referential prototype deployment), Ukrainian Railways, Kazahstan Railways

Expansion opportunities: To use experience and knowledge from the CIS (Russia, Ukraine) and Slovenian market in order to provide interoperable ICT technology and harmonized services that can be used in Europe and CIS.

The future prototype enhancements (the 2nd phase): integration of the services for staff like Universal Number, Location-Based Services, Voice, Video and Data Services (Multimedia Conferencing), Constant Safety Recording and other services together with APIs could be specified, developed and deployed.

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.

Proposer (contact person) Ana Robnik – operational part, Aljoša Teropšič - business part

Name, family name	Ana Robnik.....	Position:	Telecommunications Consultant
Organization	IskrateL, d.o.o., Kranj		
Postal address	Ljubljanska c. 24a.	Country	Slovenia
Email address	ana.robnik@iskratel.si	Web address:	www.iskrateL.com
Telephone	+386 4 207 2686.....	Mobile	+386 40 27 2686

Name, family name	Aljoša Teropšič.....	Position:	Executive sales director, Corporate solutions
-------------------	----------------------	-----------	---

Organization	Iskotel, d.o.o., Kranj		
Postal address	Ljubljanska c. 24a.	Country	Slovenia
Email address	aljosa.teropsic@iskotel.si	Web address:	www.iskotel.com
Telephone	+386 (0)4 207 2224.....	Mobile	+386 (0)41 337 216

Existing partners (representative, position, organization, country):

"Fritz R. Paul, Managing Partner, Wingcon GmbH, Germany
 Kapsch Carrier Com, Austria
 Nokia Siemens Networks, Croatia (IoT testing)

The Slovenian Railways is Iskotel's domestic reference and the Ukrainian Railways is a foreign reference. Iskotel would like to extend this prototype also to the other countries of the Danube Region in close connection with the plan of the priority area 1b.

New partners search:

Iskotel is primarily interested to find business partners from Germany, Austria, Hungary and Croatia for

- Germany: DB AG Deutsche Bahn AG, Potsdamer Platz 2, 10785 BERLIN, Germany (Iskotel's contact)
- Austria: ÖBB, Österreichische Bundesbahnen, Vienna Twin Tower, VTT, Wienerbergstrasse 11, 1100 Vienna, Austria (Iskotel's contact)
- Hungary: MAV, MÁV Zrt., Könyves Kálmán körút 54-60, 1087 BUDAPEST, Hungary
- Czech Republic: CD, České Dráhy, Nabrezi Ludvika Svobody12, 110 15 PRAHA 1, Czech Republic
- Slovak Republic: ZSR, Železnice Slovenskej Republiky, Klemensova 8, 81361 BRATISLAVA, Slovakia
- Slovenia: SZ, Slovenske Železnice d.o.o., Kolodvorska 11, 1506 LJUBLJANA, Slovenia (Iskotel's contact)
- Bulgaria: BRC, Bulgarian Railway Company AD, 9 Chamkoriya Str, 1527 SOFIA, Bulgaria
- Romania: CFR-SA, CFR SA, Bd Dinicu Golescu 38, Cod 77113, Sector 1 BUCAREST, Romania
- Croatia: HZ, Hrvatske Željeznice, Mihanoviceva 12, 10 000 ZAGREB, Croatia
- Serbia: ZS, Serbian Railways Jsc., Nemanjina 6, 11000 BEOGRAD, Serbia
- Bosnia and Herzegovina: ZFBH, Željeznice Bosne i Hercegovine (ZFBiH), Musala 2, 71 000 SARAJEVO, Bosnia-Herzegovina
- Moldova: Moldova Railways (Iskotel's contact)
- Ukraine: Ukrainian Railways (Iskotel's contact)