



SECURITY AND INTEROPERABILITY IN NEXT GENERATION PPDR COMMUNICATION INFRASTRUCTURES

PRESS RELEASE

Building next generation PPDR networks

When: 19-20 September 2013

Where: Instituto de Telecomunicações, Aveiro, Portugal

What: Kick-off meeting for Project SALUS, a 36 month specific targeted research project funded by the European Union, Framework Program 7, with the objective of design, develop and validate the next generation PPDR network.

Background: PPDR (Public Protection and Disaster Relief) communications systems play a vital role in all security operations and involve a significant national investment. Existing and planned TETRA and TETRAPOL networks provide a secure and resilient mobile voice and data infrastructure with limited features matched to the special requirements of PPDR, including broadcast, dynamic secure groups, push to talk, call priority and secure roaming. Elements of the investment have a life of 20-30 years, however the growing demand for high-speed data communication means that the current system capacity will be exceeded, requiring an upgrade or replacement to the system at some later date. This reality will raise challenging technical, operational and funding issues into the future.

SALUS Project aims to develop and prototype the next generation PPDR network and services for public protection and disaster relief that is backward compatible with legacy communication technologies, fully converged with the 4G evolutionary wireless paradigm and supporting robust and reliable transmission of broadband data. This task is supported by network operators and industry, which will provide security, privacy, seamless mobility, Quality of Service (QoS) and reliability support for mission-critical PMR voice and broadband data services.

SALUS Goals are to:

- Design, develop and validate the next generation PPDR network concept;
- Support (via porting functionality) TETRA and TETRAPOL functionalities;
- Provide guidelines towards the medium/long term evolution of the PPDR network;
- Set out economic implications and possible migration paths for the PPDR network and service evolution;
- Collect statistical data related to police forces and first responders across Europe;
- Foresee business cases associated with the evolution of the PPDR network;
- Contribute towards the standardization efforts on the next generation PPDR network (including architectural design and spectrum requirements).

SALUS Vision is to enable robust, reliable, and secure mobile broadband communication for a wide variety of PPDR applications, including the ability of inter-system, inter-agency and cross-border interoperability.

SALUS Consortium gathers a critical mass of manufacturers, operators, academic and research institutions, SMEs, PPDR end users and public safety organizations that collectively possesses significant strength both in terms of technical capability and of market position.

Instituto de Telecomunicacoes	Portugal	Research Institution
Cassidian SAS	France	Manufacturer, Large Company
Rohill Technologies BV	Netherlands	Manufacturer, Small and Medium Company
Airwave Solutions Ltd	United Kingdom	PPDR Operator
Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung E.V	Germany	Research Institution
Twente Institute for Wireless and Mobile Communications BV	Netherlands	Small and Medium Company
One Source Consultoria Informatica Lda	Portugal	Small and Medium Company
Univerza v Ljubljani	Slovenia	University
Universiteit Twente	Netherlands	University
Kingston University Higher Education Corporation	United Kingdom	University
University of Patras	Greece	University
Ubitel CO Ltd	Russian Federation	Small and Medium Company
Elektrotehnicki Fakultet Univerzitet u Beogradu	Serbia	University
Public Safety Communication Europe Forum AISBL	Belgium	Small and Medium Company, End-users representative
Alcatel-Lucent International SAS	France	Manufacturer, Large Company
Pelastusopisto, Emergency Services College	Finland	End-Users, PPDR Training Ground



Project ID Card:

ACRONYM	SALUS
TITLE	Security And Interoperability in Next Generation PPDR CommUnication InfrastructureS
CONTRACT NUMBER	313296
DURATION	1. 9. 2013 – 31. 8. 2016
TOTAL BUDGET	4,768,125.28 EUR
EC FUNDING	3,499,829.00 EUR
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More information can be obtained through **SALUS Project Webpage** at:
www.sec-salus.eu