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SECUR→ED

SECured URban transportation - European Demonstration

Newsletter **Third Issue**

Dear Reader,

With the validation of most of the capacities of the project, 2013 has been very busy for SECUR-ED so far. We have submitted 23 new deliverables to the experts of the European Commission since the beginning of the year and you can expect much more in the second half of the year, with the demonstration events taking place.

In this third issue of the SECUR-ED newsletter, we will give you a guided tour of what has been achieved so far: the validation of the SECUR-ED capacities toolkit, the preparation of the flagship demonstrations, and the application of the overall risk reduction system to nine European cities, from risk assessment to security enhancement demonstrations.

Last but not least, you will discover the highlights from our mid-term conference that gathered more than 80 transport security professionals in Geneva on 30 May 2013. We are also happy to present an introductory video to SECUR-ED that was prepared for the mid-term conference, and is now available on our website on www.secur-ed.eu.

Enjoy the read!

Yves Perreal,
SECUR-ED Project Coordinator - Thales Communications & Security

The SECUR-ED capacities toolkit

The SECUR-ED toolkit is made up of a wide range of security relevant plans and procedures - organisational, operational immediate actions , IT - also technologies and training programmes. It is now available to all consortium members and the corresponding solutions are ready for the integration in the demonstrations. The structure of the toolkit is the following:

- **Risk Assessment**: SECUR-ED packaged a tailor-made risk assessment methodology, including security audit guidelines, to help urban mass transport operators, law enforcers and first responders identify the threats they face and the associated vulnerabilities. It has been applied in nine different cities (see below implementation for mid-size cities). The software tool is designed to support the auditing team in the process of a risk assessment. Figure 1 is an example of the interface developed to enter the probabilities of a risk in the RiskAs tool.
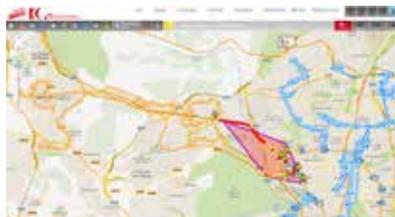

- **Generic Procedures,** covering the organisation, planning and execution at all levels, have been produced. These are based on best practices and previous projects, but also address new issues, like the cyber-security risks that become a threat to public transport operators.

- **Video Analytics,** from intrusion to abnormal situations detection or suspect tracking, is a buzzword which has difficulties to become an operational reality in public transport networks. The solutions proposed by SECUR-ED, based on non-proprietary interfaces, are designed for an easy integration with legacy CCTV systems, always keeping the security staff in the loop. Validated under in-lab conditions, the algorithms need now to prove their added value (essentially detections without false alarms) under the real-life conditions of the SECUR-ED demonstrations.

- **Information Management**: It is such an all-pervasive phrase that at times it has become devoid of any meaning. SECUR-ED uses the term with a focus on several security related aspects that are specific to urban transportation; as the following two examples show: several decision engines have been defined, enabling operational interoperability between the security management systems of the various stakeholders in a given city (like transport operators, first responders, and even passengers). In a completely different domain, a cyber-intrusion detection tool for public transport operators and authorities was developed.

- **CBRN-E** (Chemical, Biological, Radiological, Nuclear explosives): This matter is not in the core scope for most public transport operators, but preparedness for such an incident is important – also for the responsible public authorities. A key result of SECUR-ED is to have made a selection from among the hundreds of sensors on the market, and to identify those devices that can be used in areas open to the public and that are therefore most appropriate for mass transport security.

- **Telecommunications**: SECUR-ED matched the broadband communication needs of public transport operators with the available technologies. The project defined solutions that are suited to the needs of public transport operators to exchange voice messages, pictures and videos between vehicles and field security staff.

- **Training**: All 29 training lessons including CBT modules are now available and the customisation is on-going for the various demonstrations. In particular, a simulation and training platform, based on supervision and CCTV systems was setup to test the reaction of the operators of the Berlin OCC to pre-recorded events.

- **Simulation**: Covering situations where real tests are not possible, a generic simulation platform has been prepared; applications are as varied as toxic agent dispersion or station evacuation.

Field application of the SECUR-ED risk reduction system in mid-size cities

During the last quarter of 2012 four parallel teams of SECUR-ED partners visited our "satellite" cities Bucharest, Lisbon, Izmir, Brussels, Bergen, Bilbao, Krakow, Gaziantep and Flensburg to organise risk assessment workshops. These workshops provided a unique opportunity to gather all actors of mass transport security in the city: transport operators, police officers, first responders, together with SECUR-ED experts. As a result, risk assessments and security audits were

carried out to identify the different threats and vulnerabilities of each city.

Furthermore, Bilbao and Bergen, were selected to perform a demonstration and were added to the list of Bucharest, Lisbon, Izmir and Brussels that had already planned to perform a demonstration in the SECUR-ED Grant Agreement.

Metro Bilbao and Fjord1 Partner, the Bergen light rail operator, are rather new companies (established in 1995 and 2010 respectively). They are operating in smaller cities than the other demonstrations. Their commitment to the SECUR-ED exercises and goals demonstrates the fact that security in public transport has become a salient subject for the entire sector across Europe.

These demonstrations will prove the scalability and modularity of the various security solutions that are integrated and tested in the networks of other public transport operators.

SECUR-ED official video presentation

SECUR-ED created its first video to introduce the project. It is available on our website at the following address: www.secur-ed.eu

Further videos will become available as the

demonstrations are performed.

Next steps: the demonstrations

Currently, SECUR-ED is integrating the selected security solutions in the four flagship demonstrations (Madrid, Paris, Milan and Berlin). The first trials start in September. Through short events and tests organised over several days (and nights), SECUR-ED will provide the long awaited opportunity to validate the usability of the above toolkit for real. Of course, we will keep you up to date about the results!

Some of the scheduled highlights are:

*   October 2013: Milan scenarios demonstration
*   November 2013: Madrid scenarios 1, 2, 3 demonstration (stakeholder cooperation)
*   November 2013: Berlin scenario 6 demonstration (crisis management exercise)
*   December 2013: Paris scenarios demonstration

SECUR-ED at HOMSEC 2013 in Madrid

The HOMSEC fair, an exhibition dedicated to civil security, was held in Madrid from 12 to 15 March 2013. As the biggest demonstration project in the field of land transportation security, the SECUR-ED project was invited to present its achievements throughout the duration of the event. On this occasion,

SECUR-ED partners had the opportunity to present some of their security solutions, such as the risk assessment and analysis tools. The European Commission also organised a specific "Research meets industry" event at this exhibition.

The SECUR-ED mid-term conference

More than eighty delegates attended the SECUR-ED mid-term conference in Geneva on 30 May 2013.

This conference, organised by SECUR-ED, was the opportunity to demonstrate our toolkit, and, starting from the four flagship demonstrations examples, to discuss the keys to enhance public transport security with two panels of mass transport security experts from around the world. It became clear that public transport is one of the most secure means of transportation, yet the fast pace at which cities grow leads to an increase in criminal activities that affect or directly target the public transport system and its users. These facts, together with increasing terrorist threats, highlight the need to act, and the concerned stakeholders – institutional actors, public transport operators, manufacturers – are tackling these challenges by producing new security solutions in order to enhance public transport security. The work of SECUR-ED is therefore highly relevant.

Advisory Groups News

The Advisory Groups are a network of more than forty independent experts that advise the project on request, help build consensus and facilitate the transferability of project results.

The Advisory Groups work in four competence areas and come from different professional backgrounds. Please find below the Advisory Groups and the email address of the respective coordinator:

Public Transport Operators & Authorities (PTOA)
lindsey.mancini@uitp.org
Law Enforcement and First Responders (LEFR)
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Industry (IND)
jan.steinkohl@unife.org
Ethical and Societal Issues (ETHICAL)
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Meeting SECUR-ED

Find below a selection of the most important events where we can meet:

9 October 2013   SITCE, UITP Asia Summit, Singapore
13-15 November 2013   9th UIC International Security Congress, Paris
18-20 February 2014   IT Trans, Karlsruhe
14-17 April 2014   Transport Research Arena (TRA), Paris

SECUR-ED Facts

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Partners

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