



2013 UNECE Workshop on Rail Security

Rail security initiatives at UITP

Denis Luyten, UITP



Rail security initiatives at UITP

- **EU Projects**
- **UITP Security Commission**
- **Training**
- **Other events**



SECUR-ED in short

→ Call FP7-SEC-2010-1, Security in Mass transportation, ID = 261605

→ SECured URban transportation – European Demonstration

○ Budget = 40M€, EC Funding = 25 M€

○ Starting date: 1st April 2011

○ Duration: 42 months

→ The main objective of the SECUR-ED project is to give **transport operators** of large and medium **European cities** the means to **enhance urban transport security**

→ The second main objective is to **enlarge the mass transport security market** for the European industry

Deliver mission-oriented security solutions for mass transit nodes

SECUR-ED Partners



THALES

ALSTOM



BOMBARDIER
TRANSPORTATION



ineco



A consistent and balanced consortium

39 partners:

Research

CEA	France
FOI	Sweden
FRAUNHOFER	Germany
JRC	Europe
PADERBORN UNIV.	Germany
STAVANGER UNIV.	Norway
TNO	Netherlands
TU DRESDEN	Germany
VTT	Finland
WUERZBURG UNIV.	Germany

Operators and Authorities

ATM	Italy
DEUTSCHE BAHN	Germany
RATB (Bucharest)	Romania
EMEF	Portugal
RATP	France
EMT MADRID	Spain
SNCF	France
FNM MILANO	Italy
STIB	Belgium
TCDD	Turkey
CRTM	Spain
STSI	France

Industries

THALES T3S (coordinator)	France
ALSTOM TRANSPORT	France
ANSALDO STS	Italy
BOMBARDIER TRANSPORTATION	Germany
NICE	Israel
MORPHO	France
AXIS	Sweden

Associations

EOS	Belgium
UITP	Belgium
UNIFE	Belgium

SME

EDISOFT	Portugal
HAMBURG CONSULT	Germany
ICCA	Spain
INOV	Portugal
MTRS3	Israel
INECO	Spain
G. TEAM	Israel

Thales is the Project Coordinator

Security Capacities

By security capacities, we mean all measures enhancing the security in a multimodal transport node.

It could be either:

- **Specific tools for deeper analysis of the security risks & solutions**
- **Smart and generic security operating procedures**
- **Improve interoperability of technical security solutions**
 - Video surveillance
 - Infrastructure protection and/or resilience
 - Protection against CBRN-E
 - Information management and communication
 - Preventive & early analysis
- **Training programmes for various stakeholders:**
 - Passengers, employees (PTO or shops)
 - Operators of control centre, security manager, decision maker

A mix of technologies and procedures
A mix of best practices and training programmes

Demonstrations scenarios (1/2)



MILAN SCENARIOS

- Use of video analytics to monitor threats
- Vehicle protection in the depot/yard
- Reaction & event management for three situation levels
 - Alert / alarm / crisis
- Procedural coordination of different stakeholders

BERLIN SCENARIOS

- Implement standard and emergency operating procedures, field level security plans and decision making model for threat, emergency & crisis situations
- Execution of security awareness training programmes for
 - Passengers, Front-line and Security employees
 - Operators in control centres, Security managers, decision makers



Capacities validated in various environments to achieve interoperability...

Demonstrations scenarios (2/2)

MADRID SCENARIOS



- Identification of priority tasks and procedures
- Interoperable Incident Management tool shared between operators
- CCTV system
 - Interoperability of solutions coming from different operators
 - On board systems operation (for urban & suburban night buses)
- Communication between Control Centres in case of incident

PARIS SCENARIOS

- Protection of an interchange node against different attacks
 - Explosive
 - Toxic (chemical)
 - Radioactive
- Protection of network and IT systems against cyber attack



... and to perform flagship demonstrations in big cities in 2013-14

UITP Security Commission

- 2 X meetings a year
- Study tours, conferences, workshops
- 35 members from PTOs worldwide
- Positions, Publications
- European Projects
- Training
- ...



UITP Training Programme

Security Risk Assessment and Emergency Preparedness & Response

4 - 6 December 2013, Brussels, Belgium



Some hot topics for SecCom



- **Metal theft**
 - Working with UIC to produce paper
- **Graffiti**
 - Internal exchange
- **EU affairs**
 - Working group to produce positions
- **Risk assessment**
 - Training programme



UITP Training Programme

Security Risk Assessment and Emergency
Preparedness & Response

4 - 6 December 2013, Brussels, Belgium

Risk Assessment

- Annual session in Brussels
- Sessions in Asia starting 2014
- Based on COUNTERACT/SECUR-ED methodologies
- Participants learn by conducting the assessment on a fictive example
- Coaching service also available
- <http://trainingsecurity.uitp-events-expo.org/>

UITP Training Programme

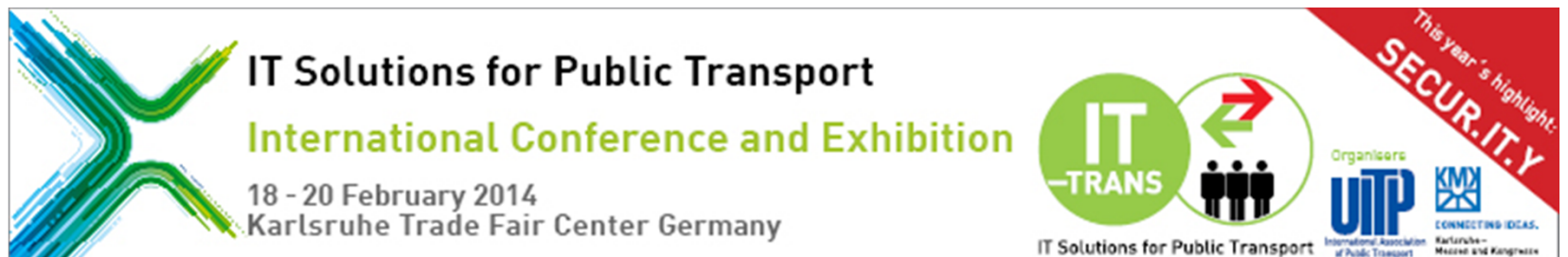
Security Risk Assessment and Emergency
Preparedness & Response



4 - 6 December 2013, Brussels, Belgium

IT-TRANS

- Biennial conference & expo on IT solutions for PT
- 2014 edition focusing on IT security for PT
- 18-20 February 2014, Karlsruhe
- Sessions on cyber security, intelligent surveillance, CBT ...
- www.it-trans.org



IT Solutions for Public Transport
International Conference and Exhibition
18 - 20 February 2014
Karlsruhe Trade Fair Center Germany

IT
-TRANS

Organisers
UITP
International Association
of Public Transport

CONNECTING IDEAS.
Karlsruhe -
Messen und Kongresse

This year's highlight:
SECUR.IT.Y

The banner features a large stylized 'X' logo on the left, composed of multiple overlapping lines in shades of blue and green. To the right of the 'X' is the main text. Further right is a circular logo with 'IT -TRANS' and a red arrow pointing right. Below this is a logo with three stylized human figures. On the far right, a red diagonal banner contains the text 'This year's highlight: SECUR.IT.Y'. At the bottom right, there are logos for the organizers, UITP and the Karlsruhe Messen und Kongresse.

Thank you for your attention!

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