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
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)

**SME**
- EDISOFT (Portugal)
- HAMBURG CONSULT (Germany)
- ICCA (Spain)
- INOV (Portugal)
- MTRS3 (Israel)
- INECO (Spain)
- G. TEAM (Israel)

**Associations**
- EOS (Belgium)
- UITP (Belgium)
- UNIFE (Belgium)

Thales is the Project Coordinator
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
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/
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
Thank you for your attention!

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