

# D13.2 Final Conference Report

## Public Deliverable

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## History

**NB:** a **status** is associated to each step of the document lifecycle:

- **Draft:** this version is under development by one or several partner(s);
- **Under review:** this version has been sent for review;
- **Issued:** this version of the document has been submitted to EC.

Version	Status	Date	Author	Main Changes
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1.0	Issued	01/10/2014	THALES	Version submitted to EC with batch 3 (Also submitted to CoopTool)



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# 1 Abstract & Purpose

## 1.1 Summary

The document describes the SECUR-ED Final Conference which took place on September 17<sup>th</sup> 2014 and provides details on its content:

- The agenda ;
- The participants ;
- The exhibitors ;
- Presentation and debates ;
- The conclusion.

Each of these topics is described in a dedicated chapter of the deliverable.

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## 2 References

### 2.1 List of acronyms

AB	Advisory Board
AG	Advisory Group
CBRN-E	Chemical, Biological, Radiological, Nuclear and Explosives defense
CBT	Computer-Based Training
C3TV	Cloud CCTV
CCTV	Closed-Circuit Television
CRTM	Consortio Regional de Transportes de Madrid – Madrid public transport organizing authority
DG	Directorate-General (of the European Commission)
EC	European Commission
EU	European Union
FOI	Totalförsvarets forskningsinstitut – Swedish Defense Research Agency
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
IP	Internet Protocol
KPI	Key Performance Indicator(s)
LANDSEC	Expert Group on Land Transport Security
LEFR	Law Enforcement and First Responders
OASIS	Organization for the Advancement of Structured Information Standards
OASIS CAP	OASIS Common Alerting Protocol
ONVIF	Open Network Video Interface Forum
PT	Public Transport
PTO	Public Transport Operator
RATP	Régie Autonome des Transports Parisiens – Paris public transport operator
SECUR-ED	Secured Urban Transportation – European Demonstration
SMRT	Singapore public transport operator
UITP	The International Public Transport Association



### 3 The SECUR-ED Final Conference Agenda

The SECUR-ED partners agreed that the conference agenda should cover three objectives:

- A clear and comprehensive overview of the main topics addressed and activities undergone throughout the project lifetime ;
- A balanced representation of the stakeholders involved in the project ;
- A programme that would both inform and entertain the auditorium.

Following the discussions among project partners, a balanced and flexible programme for the final event was agreed upon.

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# SECUR-ED Final Conference

Wednesday, 17 September 2014

Renaissance Hotel Brussels, Rue du Parnasse 19, 1050 Brussels, BELGIUM

09:30	Welcome coffee and registration	
10:00	Welcome by the Project Coordinator and showing of the introductory video	Yves Perreal, THALES
	The meaning of SECUR-ED for public transport operators	Alain Flausch, UITP Secretary General
	SECUR-ED in the European Context	Jacques Zachmann, European Commission
11:00	Coffee break and Exhibition of Security Solutions	
11:30	<b>Training and Cooperation - SECUR-ED Tools for Training and Stakeholder Cooperation</b>	
	Videos and presentation	
	<ul style="list-style-type: none"> <li>“Improving Stakeholder Cooperation”</li> <li>“Protecting Passengers and Staff”</li> </ul>	Didier Dupré, ALSTOM Andrea Soehnchen, UITP
		Gilad Rafaeli, MTRS3 Eduardo Hernandez, Metro Bilbao Philippe Manteau, AG LEFR chairman Patrick Nathan, SMRT Nuria Blanco, CRTM Didier Dupré, ALSTOM Andrea Soehnchen, UITP
	<b>Panel Discussion - How can these SECUR-ED tools improve training and stakeholder cooperation?</b>	
13:00	Lunch and Exhibition of Security Solutions	
14:00	<b>New ways of protecting assets and managing incidents</b>	
	Videos and presentation	
	<ul style="list-style-type: none"> <li>“Protecting Public Transport Assets”</li> <li>“Managing Security Incidents”</li> </ul>	Jean-Luc Planchet, RATP Elodie Roché, THALES
		Christian Carling, FOI Annarita Tedesco, ANSALDO STS Nelson Escravana, INOV Chris Crawford, BOMBARDIER Greg Hull, AB chairman Ron Iphofen, AG ETHICAL chairman Jean-Luc Planchet, RATP Elodie Roché, THALES
	<b>Panel Discussion – Which tools can best help operators to improve security?</b>	
15:45	Conclusions and way forward	Jean-François Sulzer, THALES
16:00	End of Conference, Farewell Coffee and Exhibition of Security Solutions	



## 4 The Participants

In addition to the project partners involved in the presentations and the panel debates, all other SECUR-ED partners were invited to attend the project.

The SECUR-ED AG and AB members were also invited at the conferences, many of them being in the auditorium, as AG and AB meetings were held the day before.

Last but not least, most of the relevant stakeholders, policy makers and subject matter experts from the EU – and particularly from Brussels – were invited to attend the event.

All in all over 110 people attended the event, most of them from EU countries, a large number despite the fact that security in public transport is a very specialized topic.

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## 5 The SECUR-ED Exhibitors

In addition to the interactive format of the discussions, the organizers wanted to give the auditorium a “look and feel” of the SECUR-ED world. Accordingly, a number of security solutions were displayed by the project partners during the event.

Conference participants thus had the chance to see some of the security solutions developed and used within SECUR-ED, and could discuss at length with the exhibiting partners during the event breaks.

Below is a list of the SECUR-ED exhibitors and the solutions presented during the project’s final event:

- ALSTOM: Supervision and access control
- ANSALDO-AXIS-SELEX: Integrated supervision
- CEA: CBRNE detection
- INOV: Cyber intrusion detection
- MTRS3: Training tools
- NICE: Supervision solutions
- THALES: C3TV video terminal  
& overview of all demonstrated solutions
- University of Paderborn: Simulation of gas propagation.



Figure 1: Pictures from SECUR-ED exhibitions

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## 6 Presentations and Debates

The SECUR-ED final conference was divided into the following main parts:

1. A **policy-oriented approach and vision of the topic of public transport security** in general, and of the **SECUR-ED project and its contributions** in particular.
2. A presentation of the SECUR-ED Tools for Training and Stakeholder Cooperation followed by a panel debate; the two main topics addressed were: **“Improving Stakeholder Cooperation”** and **“Protecting Passengers and Staff”**.
3. An analysis (including a panel debate) of the new ways of protecting assets and managing incidents; the two main topics of debate were the **“Protection of PT assets”** and the **“Security Incident Management”**.

It must be noted that each of the **4 main topics** (outlined under points 2 and 3) were **illustrated by a dedicated SECUR-ED video**, collecting stakeholders’ field experience.

On this occasion, a general **SECUR-ED introductory video on the project’s achievements** was screened at the very beginning of the conference.

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## 6.1 The policy context for SECUR-ED and Public Transport Security

The first speech was given by Mr. Yves Perreal (Thales), the project coordinator. He presented the **project life and main achievements** to the audience, emphasizing both the **success of the demonstrations** and some of the **project's further contributions**:

- In standardization:
  - ISO22311 (export of video evidence for forensics investigations);
  - IEC 62580 (On-board multimedia and telematic sub-systems for railways) with a special focus on architecture and CCTV;
  - EC Mandate 487 for security preparing future standards with two SECUR-ED recommendations:
    - Unified representation of underground infrastructures for localization methods;
    - Minimum common requirements for a security events format (endorsing the OASIS CAP-derived format).
  - Onvif prescriptions, now endorsed by IEC 62676-1 & 2.
- Training;
- Standardized and modular video/supervision;
- Cyber security.

He was followed by Mr. Alain Flausch, the UITP Secretary General, who presented the **Public Transport Operators' perspective on security nowadays**. His most important statements were

- Security is today part of the “good service” definition.
- Security means money – both in terms of revenue and spending. It is therefore necessary to find a right balance to the security approach, otherwise it becomes too expensive – either because of unnecessary costs or because the operators become less friendly and lose customers.
- There are 3 main pillars of PT security – technology, procedures and the human factor (training). The last one is the more important since it is at the helm of all security activities, and it is very good that SECUR-ED has come up with improved training lessons.
- Last but not least, PT operators have to better cooperate with the law enforcement and first responders' representatives, in order to maximize their risk mitigation potential.

Finally, Mr. Jacques Zachmann from DG MOVE presented **some of the Commission's views on the SECUR-ED outcomes**. He was pleased with the fact that the stakeholders related to DG MOVE had been involved in this project, but also warned of the fact that, when being involved in such activities, they should not lose the “helicopter view” of the entire situation. It is about working not just on infrastructure(s), but on a (set of) system(s), which ultimately influence entire business processes. And DG MOVE and LANDSEC are increasingly looking at aspects related to intelligent information and data systems. He saluted the contribution to interoperability made by the project, but reminded the partners that it is

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necessary to disseminate results and information, so as to show in the future all the return made on the EU economy.

## 6.2 SECUR-ED Tools for Training and Stakeholder Cooperation

The section begun with the presentation of the SECUR-ED videos dedicated to this topic.

It was followed by a presentation from Mr. Didier Dupré (Alstom) on the topic of the stakeholder cooperation improvement, which focused on aspects such as

- Data sharing (and related standardization aspects);
- Supervision systems with multiple configurations (and operators);
- Crisis management solutions (with links to CCTV-related functions, interfacing between digital over IP and legacy systems, etc.);
- Telecommunications.

Then, Ms. Andrea Söehnchen (UITP) spoke about the importance of the security training and the success recorded by SECUR-ED in this field, especially with the latest development of the CBT solutions. In addition to the general topics of security training and procedures, she also added the fact that privacy and data protection should now be part of the “curricula”, due to the technological developments, the legal requirements and the higher expectations of the customers.

The two presentations were followed by a thoughtful panel discussion and Q&A session with the conference moderator and the public. The main topics discussed were:

- The benefits of these SECUR-ED solutions – a good contact with the industry to find solutions together, and also a better way for risk assessment and management-related issues; obtaining multimodal tools, quality coordination among the PT operators or between PT operators and other stakeholders, better information systems, common tools, etc.
- Obtaining from the PT operators the information necessary for the project developments – no obstacles in doing it, as shown by the successful transferability of capacities (especially training) or the interoperability test; as underlined by UITP, it is also important to see that protocols are in place and interoperable, in order to ensure a faster reaction.
- The improved relations between the PTOs and the LEFR.
- The interoperability between stakeholders – some exists, but the financial aspect is often a problem for the PTOs. Also, there needs to be a smooth transition and handover between PTOs and LEFR, which is ensured by better cooperating and even simply getting to know each other. It comes down again to the human factor, which is the best detector and/or management tool.
- CBT training – it is a very useful tool but will not replace other training types; also, it is important to have KPIs in this field as well, and to monitor the impact of the training (performance before vs. after the lessons, or through audits).

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- The risk assessment tool – it is very useful, and can be further developed. Operators should have it, but also be capable of using it, since it can show not just problems, but also potential needs for investments. And the process must be done repeatedly since data can quickly become obsolete.

## 6.3 Protecting Assets and Managing Incidents

The section begun with the presentation of the SECUR-ED videos dedicated to this topic.

The topic of protecting critical assets was presented by Mr. Jean-Luc Planchet from RATP. Cyber security, depot protection (and detection systems) or CBRN-E were some of the issues covered by the presentation.

It was followed by the Incident Management presentation done by Ms. Élodie Roché on behalf of Thales, which included the risk analysis tools, different simulation capabilities developed by SECUR-ED (e.g. the decision support system or the early warning software), CBRN-E solutions and, obviously, CCTV and the associated video analytics.

The panel debate that followed touched upon a wide array of subjects:

- The role of standardization.
- Combining the risk assessment results with a wise resource management in order to see what technologies PTOs need and can buy, so that intelligent, informed decisions can be made.
- Cyber security is not yet a topic well known, nor its impact well understood by PTOs, even at the top management level – e.g. it was not a topic for most of SECUR-ED demonstrations; however, the trend is that in the future it becomes part of tendering.
- CBRN-E: a matter mostly to be left to governments' decisions.
- Challenges: the project observations show that many technologies/solutions may not work in crowded areas – e.g. individual recognition, face recognition, etc.
- The issue of false alarms, including the link to the human factor.
- Ethics: it was one of the important matters of the project, especially since it was closely related to legal matters. In addition to the normal requirements of respecting the privacy and data protection framework, it was noted that there is a dilemma in this case, partly stemming from the political level: privacy must be ensured while at the same time guaranteeing security. The two will in some cases become impossible to reconcile, and one needs to take precedence over the other.
- PTOs are sometimes required to be the responsible for an action that originates somewhere beyond their control; this requires consequently a high level of information and preparedness. Nevertheless the PTOs main responsibility is to transport people, while combating criminality is the first responsibility of the state authorities.

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## 6.4 Conference Wrap-up

Mr. Jean-François Sulzer (Thales), on behalf of the SECUR-ED partners, informed the conference participants of the final SECUR-ED steps and the project outcomes, such as a roadmap proposal for standardization or the objective to include security interoperability requirements into the tenders.

Mr. Jacques Zachmann, on behalf of DG MOVE, recommended that the efforts should be focused now on the future activities. He also praised the good approach within SECUR-ED, especially in reconciling ethics with security matters. The EU is a community based on values, and so was SECUR-ED, and this is a fact that needs to be replicated as much as possible.

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## 7 Pictures of the Final Conference







## 8 Conclusions

A short analysis of the SECUR-ED final conference pinpoints the fact that partners managed to present a **wide array of topics in a clear, concise and interactive manner to a numerous public.**

It is also worthwhile to note that the conference was harmoniously structured, offering the possibility of many of the numerous SECUR-ED project partners to **actively participate** in the final event.

Last but not least, SECUR-ED managed to present itself as a hands-on, demonstration project, through the use of the **exhibition of partners' results.**

All in all, it can certainly be said that the **SECUR-ED final event was a success.**

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