



10th UIC World
Security Congress
Lisbon 2014



UIC Security reporting session



INTERNATIONAL UNION
OF RAILWAYS

Marie-Hélène BONNEAU, UIC Security Division



COMBOIOS DE PORTUGAL

UIC security platform / division

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- **Global level**
 - Chairmanship : Indian Railway – Rail protection force (IR -RPF)
/ vice chairmanship : German Railway (DB AG)
- **Steering committee**
- **Working groups**
 - 3 permanent (Human Factor/Technology/Strategy)
 - 2 on request of UIC members (Metal theft/BIRC)
- **Annual World Congress**
- **Role of the UIC security division**
 - Availability
 - Communication
 - Research



Main outputs



HUMAN FACTORS WORKING GROUP

Rules of Behaviour for Passengers and Visitors at Railway Stations, Platforms and Trains and in Emergency Situations
Preventive measures against terrorist acts on railway premises



SECURITY TECHNOLOGIES WORKING GROUP

Protection measures for railway assets



STRATEGY AND REGULATIONS WORKING GROUP

in the framework of PROTECTRAIL project
Deliverable on regional disparities focussing on legal i to security in Europe.



METAL THEFT WORKING GROUP

Position paper on Metal theft on the Railways



BIRC WORKING GROUP

Security of International Passenger Corridors



Security of International Freight Corridors



Security of Border Crossing



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Prepare the future :

Involvement in European Research Projects



4

FOCUS

Security

Research projects

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Jean-Pierre Loubinoux
Director General UIC

“ In its role as technical platform and forum for gathering and expressing members’ ideas, UIC is able to synthesise these research needs, along with members’ concerns regarding management or technical matters. Thanks to its wide panel of competencies, UIC is able to play several roles in EU-funded projects, starting with the technical, financial and administrative coordination of a project, passing through the technical research work and continuing until the end of the project when UIC takes on the disseminator’s role according to the principles agreed with the Commission. ”

In this edition:

- Innovation serving Comprehensive Protection!
- PROTECTRAIL
- RESTRAIL
- SECRET
- TETRIS
- PREDICT
- CIPRNET
- GRAFFOLUTION
- And looking ahead...

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Innovation serving Comprehensive Protection!

European research projects involving the UIC Security Division

Why?

The main role of the security division is to meet the requirements of UIC members in matters of security and, with regard to technology, support (if not defend) their needs and priorities vis-à-vis the supply industry. In particular, the division represents members through European projects, where the aim is to pool efforts in the general interest.

The security division strives to anticipate members’ needs and to respond by pooling their research efforts, thus enabling members to benefit from progress made in the area of research while spending less.

By participating in European projects, the security division strengthens the representation of the railway sector compared to other transport sectors, and helps members to look forward and develop future strategies in the area of security. Therefore, whenever possible, the security division tries to anticipate threats and vulnerabilities to the railway system ahead of time, with a view to ensuring comprehensive protection of railway activities and strengthening the resilience of systems and organisations.



How?

The range of projects in which the security division is involved focuses on current and innovative issues within the field of security, addressing topics such as cyber crime, crisis management, media management in crisis situations, human and organisational factors, and security culture. This therefore helps to consolidate knowledge, developments in new technology and innovative concepts both from a technological as well as a human and organisational standpoint.

In practice, the security division coordinates and/or has an active role in several European projects such as PROTECTRAIL, RESTRAIL, SECRET, CIPRNet, PREDICT, GRAFFOLUTION, and TETRIS, and has positioned itself strategically with regard to future projects. The division can have a number of roles: disseminating results, or positioning itself more strategically, particularly on subjects where the outcomes may impact the railways; it also acts as project coordinator when required, with the aim of defending and providing for the needs of members.



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PROTECTRAIL

www.protectrail.eu

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Interoperability framework proposed and demonstrated

- Integration of heterogeneous se standardised framework, faced t
- Plug and play solutions
- Modularity
- White paper : Keys lessons learnt
- Recommendation on Human factors and organisation
- Regional disparities





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RESTRail

www.restrail.eu

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- Reduction of suicides and Trespasses on railway property
 - RESTRail toolbox : www.restrail.eu/toolbox
 - RESTRail practical guide





On-going Research projects

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Protection of railway infrastructure against EM attacks -
Coordinated by IFSTTAR - www.secret-project.eu



Critical Infrastructure Preparedness and Resilience Research Network - Coordinated by Franhöfer www.ciprnet.eu

Graffolution



Graffiti prevention - Coordinated by SYNYO GmbH (research center in Austria) - <http://project.graffolution.eu/>

PREDICT
PREparing for the Domino effect in Crisis situations.

PREparing for the Domino effect In Crisis situations coordinated by CEA (research center in France)





2 new studies funded by DG MOVE

• Metal theft

- Workshops organisation
- Common understanding regarding :
 - information criteria
 - indicators to collect
 - methodology and data interfaces
 - exchange processes

• Cargo Theft

- Workshops organisation
- Analysis of the existing situation
- Recommendation in line with stakeholders' needs





For any further information

- **UIC website : activity security** : <http://www.uic.org/security>
- **Security private workspace** : <http://extranet.uic.org/>
- **Contact** : security@uic.org

Thank you for your attention

