



INTERNATIONAL UNION
OF RAILWAYS

SECURITY AT UIC

ONE OF THE UIC FUNDAMENTAL VALUES
SUPPORTING ITS MEMBERS AND SERVING
PASSENGER, FREIGHT AND RAIL SYSTEM/
INFRASTRUCTURE ACTIVITIES





RAILWAY SECURITY

WORLDWIDE POLICIES FOR THE PROTECTION OF PERSONS, INFORMATION, GOODS AND INFRASTRUCTURE FROM ALL FORMS OF THREAT, FROM DAILY DELINQUENCY TO TERRORIST ATTACKS, FOR THE PURPOSE OF IMPROVING SERVICE QUALITY AND DEVELOPING TRANSPORT.



A KEY CONCERN FOR ALL UIC REGIONS

A DEMAND OF CUSTOMERS AND STAFF

In addition to the security of traffic, security now forms an integral part of customers' demands (passenger and freight) and the working environment of staff.

A SHARED RESPONSIBILITY WITH NATIONAL AUTHORITIES

Alongside law enforcement authorities (police forces, border guards, etc.), railway companies together with their security services and providers play a specific and recognised role.

AN INTERNATIONAL COOPERATION

Security threats are evolving on a global scale, international cooperation is needed to seek new strategies.

SECURITY POLICY CHALLENGES FOR TOMORROW

Greater consistency has to be achieved at European level and beyond to follow the development of international traffic, in the face of institutional contexts that vary from country to country.

Coherece and resilience have to be developed for a comprehensive protection including Security, Safety, Civil Protection and other hazards (natural disasters, etc.)

Security by upstream design has to be promoted to ensure an efficient comprehensive protection with minimal costs

Objective security / feeling of security have to be measured and analysed to develop customer-oriented security strategies.

OBJECTIVES FOR 2014-2016



CREATING OR CULTIVATING REGIONAL NETWORKS OF SECURITY EXPERTS

- » to ensure security is integral to railway jobs and their regional specificities
- » to develop joint recommendations and better responses to regional issues
- » to strengthen coordination between stakeholders



SHARING EXPERIENCE AMONG UIC MEMBERS

- » to identify good practices and adapt them to each specific situation



PROVIDING A PERMANENT COLLABORATIVE KNOWLEDGE PLATFORM

- » to share knowledge, good practices, security policy, statistics, etc.



DEVELOPING TRAINING PROGRAMMES

- » to reach the levels required for security staff
- » to raise awareness of other railway staff
- » to familiarise external stakeholders to rail specificities



IMPROVING THE ACTIVITY OF THE SECURITY PLATFORM'S GROUPS

- » by enlarging the geographical diversity
- » by involving new members



DEVELOPING SYNERGIES BETWEEN SECURITY AND SAFETY

- » to design security and safety actions in an collaborative manner
- » to develop coherent or common projects
- » to learn from safety/security events



RUNNING RESEARCH PROJECTS

- » to anticipate and prepare the future of railway security
- » to defend rail sector interest
- » to enable our members to benefit from the results at minimal cost



SECURITY STRUCTURES AT UIC

THE SECURITY PLATFORM

THE PLATFORM WAS CREATED BY THE UIC GENERAL ASSEMBLY IN JUNE 2006 AND RESTRUCTURED IN 2008 AT GLOBAL LEVEL.

From July 2014 (UIC General Assembly in Portoroz in Slovenia) to June 2016, the platform is chaired by IR/RPF (India) and vice-chaired by DB AG (Germany).

It is organised with:

- » The annual congress to take stock of the work carried out and to propose future priorities.
- » The Steering Committee which meets every quarter involving the UIC regions (the special Colpofer group for Europe, Coordinating Council on Transsiberian Transportation, etc.), UIC department activities (passenger, freight, rail system/infrastructure) and professional and political partners (UITP, RAILPOL, CER, EIM, etc.).
- » Three permanent working groups.
- » Two ad hoc working groups at the request of UIC members.

THE SECURITY DIVISION

- » Acts as a permanent contact point
- » Leads the platform together with the Chair and Vice-Chair
- » Supports the activity of the working groups
- » Coordinates or ensures external UIC security representation in international organisations, seminars, conferences, etc.
- » Produces draft texts concerning railway security: technical position papers, high speed security handbook, etc.
- » Provides UIC technical departments with security expertise
- » Participates in rail security related research projects
- » Ensures that information is shared (brochures, UIC leaflets, CD-ROMs, etc.), keeps the UIC security website up-to-date (<http://www.uic.org/security>) and manages the platform for sharing information between authorised partners only (extranet – security workspace <http://extranet.uic.org>).

RUNNING OF THE PLATFORM

THREE PERMANENT GROUPS:



HUMAN FACTORS

chaired by RZD (Russia)

Drafting recommendations regarding security staff, other staff, customers.



SECURITY TECHNOLOGIES

chaired to be defined

Following the development of security technologies and adapting them to the requirements and constraints of railways.



STRATEGY AND REGULATIONS

chaired by SNCB (Belgium)

Taking into account the consequences of European market liberalisation in the organisation of rail security, passenger rights.

AD HOC GROUPS

BIRC - BORDER CROSSING, INTERNATIONAL RAILWAY CORRIDORS

chaired by PKP PLK SA organised with three sub-groups:

- » Security of International Freight Corridor coordinated by CCTT (Council for Transsiberian Transportation)
- » Security of International Passenger Corridor coordinated by FPC (Russian Federal Passenger Company)
- » Security of Borders Crossing coordinated by SOK (Polish Railway Security Guard)

METAL THEFT

chaired by DB AG (Germany) and vice-chaired by ZSR (Slovakia)

It is the single Rail Forum, with the representation of all the railway collective bodies, authorities and its members; it provides an information sharing platform for railways/authorities on metal theft issues; and thus represents the centre for good practices on technological answers, regulatory aspects, and partnerships in combating metal theft.



PREVIOUS IMPORTANT RESULT:

Within the past "Border crossing in the Schengen area and other areas" working group which was merged with the group Security of freight corridors in the BIRC common group dedicated to border crossings, a specific identity card, which exempted railway staff regularly crossing external Schengen borders from having to have their passport stamped on every occasion, had been approved on 2 December 2011 in Warsaw at the Frontex meeting. Furthermore, in 2013 the article 10 of the Schengen agreement was modified so that railway staff could benefit from the same type of exemption for passport stamped as sailors and air crews.



UIC SECURITY DIVISION OUTPUT

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

Protection measures for railway assets



SECURITY TECHNOLOGIES WORKING GROUP

METAL THEFT WORKING GROUP

Position paper on Metal theft on the Railways



STRATEGY AND REGULATIONS WORKING GROUP

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



BIRC WORKING GROUP

Security of International Passenger Corridors

Security of International Freight Corridors

Security of Border Crossing Corridors



UIC WORLD CONGRESS ON RAILWAY SECURITY

UIC 2010 WORLD CONGRESS ON RAILWAY SECURITY IN PARTNERSHIP WITH TCDD:
Istanbul, 23 – 25 June:
"Security, a key component for rail business"



UIC 2011 WORLD CONGRESS ON RAILWAY SECURITY IN PARTNERSHIP WITH FS
Rome, 22 – 23 September:
"New prospects in a liberalised rail market: global risks and technological answers"

UIC 2012 WORLD CONGRESS ON RAILWAY SECURITY IN PARTNERSHIP WITH ZSSK, ZSSK CARGO AND ZSR
Bratislava, 24 – 26 October:
"Human factors and security"



UIC 2013 WORLD CONGRESS ON RAILWAY SECURITY IN PARTNERSHIP WITH SNCF
Paris, 14 – 16 November:
"Security policy: which strategies, regulations and partnerships for railway companies"

UIC 2014 WORLD CONGRESS ON RAILWAY SECURITY IN PARTNERSHIP WITH REFER AND CP
Lisbon, 26 – 28 November 2014:
"Rail Comprehensive Protection – Security Coherence and Resilience"



The CD-ROM with the presentations and closing statements of these events are available on request by emailing security@uic.org

SEMINARS IN THE ASIAN REGION

"SECURITY CHALLENGES AND HIGH SPEED DEVELOPMENT"
Mumbai (India), 20 – 21 October 2010



"NATURAL DISASTER MANAGEMENT FOR RAILWAY SYSTEMS":
Taipei (Taiwan), 14 – 16 May 2014

SEMINARS IN THE AFRICAN REGION

"RAILWAY SAFETY AND SECURITY" IN PARTNERSHIP WITH ONCF
Ifrane (Morocco), 21 – 22 April 2011
Tangier (Morocco), 10 – 12 April 2013



"TRAINING SEMINAR ON RAILWAY SAFETY AND SECURITY"
Rabat (Morocco), 29 – 30 May 2014



SEMINAR IN THE MIDDLE EAST REGION

TCDD/UIC SAFETY & SECURITY SEMINAR
Ankara (Turkey), 6 – 7 May 2014





PARTNERSHIPS AND INVOLVEMENT

IN EUROPE

UIC SECURITY RECOGNISED AS AN EXPERT PARTNER FOR JOINT WORK

EUROPEAN COMMISSION:

DG MOVE

LANDSEC

UIC security division is official stakeholder at the **Land Transport Expert Group meeting** (LANDSEC)

METAL THEFT

The UIC security division was selected for a service contract regarding metal theft in rail transport. The mission is to organise three workshops to exchange best practice, information and cooperation between the different sector players and national and international authorities in order to set, discuss and establish a common understanding regarding the:

- » Rail metal theft information criteria;
- » Rail security data indicators to collect;
- » Recording methodology and data interfaces exchange processes between the rail operating community and the Metal Theft European Railway network information hub.

DG HOME

UIC security division is official stakeholder at **POL-Primett** (European project on Metal theft)

DG HOME – CIPS

(Terrorism & other Security-related Risks programme) call

TETRIS

Terrorists in Europe Targeting Railway InfrastructureS July 2014 – June 2016

The aim of TETRIS is to support Member states in their counter-terrorism strategies by developing tools allowing for a better understanding of the terrorist threat targeting railway systems, and training those involved in managing the consequences of an attack.

The consortium is led by CEIS (France) and composed of four partners: FRS (France), CRISE (France), UIC (France), FHFRS (DK).

NIS PUBLIC-PRIVATE PLATFORM:

UIC security division, nominated by the EC as an official member .

FRONTEX:

European agency for managing external border points.



BEYOND EUROPE

UNECE:

United Nations Economic Commission for Europe, to improve coherence in the European Union and beyond. UIC security division, keynote speaker at the 77th session of the UNECE Working Party on Rail Transport (Inland Transport Committee) from 23 – 25 October 2013 in Geneva with a dedicated to a workshop on railway security.

IWGLTS:

International Working Group on Land Transport Security (created within the G8) to share experience on a worldwide scale.

NATO:

Transport Group for Inland Surface Transport (TGIST), to carry out joint work on civil transport.

CCT:

Coordination Council of Transsiberian Transportation, is coordinating the UIC sub-group on the security of international freight corridors and is a member of the security platform steering committee.

WORLD CUSTOMS ORGANISATION (WCO):

UIC security division is involved in the SAFE working group (Standards to Secure and Facilitate Global Trade).

UIC Security is also in contact with UNESCAP (United Nations Economic and Social Commission for Asia and the Pacific), the African Union, OSCE (Organisation for Security and Cooperation in Europe), ITF (International Transport Forum), BIC (Bureau International des Containers) and other relevant international organisations.



IWGLTS



PAST RESEARCH PROJECTS CO-FINANCED BY THE EUROPEAN COMMISSION

3RD CALL FOR PROPOSALS UNDER THE 7TH FRAMEWORK PROGRAMME

PROTECTRAIL

(The Railway-Industry Partnership for Integrated Security of Rail Transport)
1 September 2010 – 30 June 2014



The project aims to improve railway transport security by developing integrated solutions for infrastructure as well as passenger and freight transport.

The consortium was led by Ansaldo STS Spa and comprised 28 other partners (from 11 European member states plus Turkey), including UIC and six of its members as end-users: RFI (Italy), SNCF (France), LG (Lithuania), PKP PLK SA (Poland), TCDD (Turkey) and ZSSK (Slovakia).

The role of the Security Division was to collect and bring together members' requirements. In addition UIC was leader of the sub-project on dissemination and exploitation of the results.

All public deliverables available at www.protectrail.eu

4TH CALL FOR PROPOSALS UNDER THE 7TH FRAMEWORK PROGRAMME

RESTRAIL

(Reduction of suicides and trespasses on railway property)
1 October 2011 - 30 September 2014



The project aims to develop a toolkit of measures and decision support tools to help infrastructure managers reduce the occurrence of suicide and trespass on railway property and to lessen their impact on operations.

The UIC Security Division ensured overall coordination of the project. The consortium was composed of research centres, universities, suppliers of security technology and European infrastructure managers. UIC members in the consortium are: DB (Germany), FFE (Spain), IK (Poland), INFRABEL (Belgium), PRORAIL (Netherlands), TCDD (Turkey) and TRAFIKVERKET (Sweden).

The online RESTRAIL toolbox available at www.restrail.eu/toolbox

CURRENT RESEARCH PROJECTS CO-FINANCED BY THE EUROPEAN COMMISSION

4TH CALL FOR PROPOSALS UNDER THE 7TH FRAMEWORK PROGRAMME

SECRET

(SECurity of Railways against Electromagnetic aTTacks)
1 September 2012 - 30 August 2015



The project aims to identify EM attack scenarios, assess the consequences and develop resilient architecture able to adequately react in case of EM attack detection.

The consortium is led by the French Research Institution IFSTTAR and is composed of nine other partners: Alstom (France), Fraunhofer (Germany), Politecnico di Torino (Italy), SNCF (France), TRIALOG (France), UIC (France), University of Liege (Belgium), University of the Basque Country (Spain), ZANASI (Italy).

The role of the UIC Security Division in the project is to determine the railway requirements and disseminate the project results and recommendations to UIC members.

Further information available at www.secret-project.eu

5TH CALL FOR PROPOSALS UNDER THE 7TH FRAMEWORK PROGRAMME

CIPRNET

(Critical Infrastructure Preparedness and Resilience Research Network)
01 March 2013 - 28 February 2017



CIPRNet establishes a Network of Excellence in Critical Infrastructure (CI) Protection R&D for its stakeholders. CIPRNet will reinforce and extend the existing cooperation and integration of the CIPRNet core partners and will turn it into a long-lasting integration.

The consortium is led by Fraunhofer (Germany) and composed of 10 other partners: ENEA (Italy), TNO (Netherlands), UIC (France), CEA (France), JRC (Italy), UCY (Cyprus), UTP (Poland), UCBM (Italy), UBC (Canada), ACRIS (Switzerland)

In CIPRNet, UIC is an end-user in the railway infrastructure sector. Additionally, UIC actively contributes to dissemination activities among its members, within CIPRNet, and more. UIC also adds end-user perspectives from the railway transport domain to the joint research activities, the VCCC, and the definition of realistic scenarios. UIC hosted one of the CIPRNet workshops with end-users.

Further information available at www.ciprnet.eu



RESEARCH PROJECTS

6TH CALL FOR PROPOSALS UNDER THE 7TH FRAMEWORK PROGRAMME

PREDICT

PREparing for the Domino effect in Crisis situations
01 April 2014 – 30 March 2017



The PREDICT project will provide a comprehensive solution for dealing with cascading effects in multi-sectoral crisis situations covering aspects of critical infrastructure. The project will deliver software tools which will consist of two core components: a Foresight and Prediction and a Decision-Support Tool.

The consortium is led by CEA (France) and composed of nine other partners: Fraunhofer (Germany), TNO (The Netherlands), VTT (Finland), CEIS (Belgium), ITTI (Italy), Thales Netherlands, VRZHZ (the Netherlands), SYKE (Finland) and UIC (France).

UIC is acting as an end-user representing the railway sector and is involved in the description of a rail scenario, the definition of rail requirements and the dissemination of the results.

Further information available at www.predict-project.eu

6TH CALL FOR PROPOSALS UNDER THE 7TH FRAMEWORK PROGRAMME

GRAFFOLUTION

Awareness and Prevention Solutions against Graffiti Vandalism in Public Areas and Transport
March 2014 – February 2016



Graffolution aims to build an innovative dual web-based awareness and prevention framework which involves local experts and stakeholders as well as sprayers and citizens to act together against graffiti vandalism. The framework contributes to raise awareness on illegal graffiti and its negative consequences on individuals and the whole community.

The consortium is led by SYNNO GmbH and is composed of six partners: University of Barcelona (Spain), University of Arts London (UK), Sine - Institute GmbH (Germany), Ferrocarrils de La Generalitat de Catalunya, London Borough of Islington and UIC.

UIC contributes to collect information on the European railway graffiti prevention initiatives and best practices, the demonstration activities, the end users' needs and expectations for the rail sector and the dissemination activities.

Further information available at <http://project.graffolution.eu>

FUTURE RESEARCH PROJECTS WITHIN HORIZON 2020

In collaboration with various partners, the UIC Security Division is preparing responses to represent the railway sector and ensure the results of the projects are disseminated within the railway sector and beyond. All topics related to the security of rail activities (passenger, freight and rail system/infrastructure) and of interest to our members could be addressed.

FURTHER INFORMATION
AVAILABLE ON THE
SECURITY RESEARCH
PROJECT FOCUS





INTERNATIONAL UNION
OF RAILWAYS

UIC SECURITY WEBSITE
<http://www.uic.org/security>

UIC SECURITY PRIVATE WORKSPACE
<http://extranet.uic.org>

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