UIC Security Division
Other Research projects

Bratislava, 26 October 2012
SECRET - Protection of railway infrastructure against EM attacks

Starting date: 01 August 2012 for 36 Months

Coordinator: Europe Recherche Transport (France)

Budget: 4 268 M€ (including 3 059 M€ funding by EU)

Partners: 11 Partners from 5 countries
SECRET - Objectives

- To assess the risks and consequences of EM attacks on the rail infrastructure
- To identify preventive and recovery measures
- To develop protection solution for EM attacks
- To produce technical recommendations to reinforce the railway infrastructure
SECRET - Added value

- Provide a clear view on the possible threats of an electromagnetic attacks
  - Vulnerabilities of rail system
  - Public devices that can be used
  - Consequences of an attack

- Reinforce the resilience of the railway infrastructure to reduce the attractiveness of the railway as a target for EM attacks

- Provide technical recommendations that will be presented to the European standardization bodies.
Project under negotiation

CIPRNET

Critical Infrastructure Preparedness and Resilience Research Network

Coordinator: Fraunhofer IAIS

Partners: 11 partners from 8 countries

UIC Role

• Dissemination

• collection of end-users / stakeholders requirements and expectations
FP7 - 6th Call (transport and security)

Topics of interest:

- Topic SEC-2013.2.2.1 A research agenda for security issues on land transport
- Topic SEC-2013.2.2.2 Toolbox for pandemics or highly dangerous pathogens in transport
- Topic SEC-2013.2.4.1 Phase II demonstration programme on logistics and supply chain security
- Topic SEC-2013.2.5.3 Pan European detection and management of incidents/attacks on critical infrastructures in sectors other than the ICT sector (i.e. energy, transport, finance, etc)
European presearch projects - Benefits for rail

These projects offer us the opportunity:

- To get state-of-the-art of latest security technologies
- To provide the industry with railway recommendations & definition of needs
- To bring the “operational” point of view and to enhance accuracy
- To obtain funding to study some existing and potential railway security issues
Thank you for your kind attention