



***PROTECTRAIL (242270) - The Railway-Industry Partnership
for Integrated Security of Rail Transport***

PROTECTRAIL

***Exploitation of the results
UIC leaflet***



PROTECTRAIL : AN INTEGRATION PROJECT

- **Integration of technologies**
 - interoperability framework described in the White paper

Targeted to TECHNICAL EXPERTS
- **Essential for end users : control rooms operators, security managers, and decision makers**
 - Organisational and human aspects described in a leaflet of recommendations for UIC members



ORGANISATIONAL AND HUMAN FACTORS

- **Integration of a new system is not only a matter of technology but also organisational and human factors**
- **Take into account the organisational and human factors particularly in designing an integration project as PROTECTRAIL**
- **Needs of end users are taken into account from the beginning of the project**
- **New technology is adapted to the system and to the organisation in place in order to improve the resilience of the system**



4 TYPES OF RECOMMENDATIONS

- **Organisational**
- **Training**
- **Public education**
- **Ethical**



ORGANISATIONAL

- **Prevention**
 - Prevention plan, scenarios, crisis preparation,
- **CCTV system**
 - Working conditions, vigilance, attention, training
- **Security Operation Control Centre**
 - System, collaboration, workspace, organisation, training
- **Crisis Management System**
 - A common approach to manage the crisis
- **Public announcements**
 - Which information, how to communicate



TRAINING

- **Training for railway staff in emergency situation**
 - Initial training, specialised emergency training, retraining
- **Multidisciplinary and international trainings**
 - MIRROR, Serious game, NATO CBRNe training
- **Examples of training programme**
 - Training for technicians, rails operators, authorities



PUBLIC EDUCATION

- **Security culture**
 - Citizens has to become a player in security response
- **Passenger awareness**
 - How to recognise, report, anticipate
- **Cognitive aspects**
 - In decision making



ETHICAL

- **Importance of the right to privacy**
 - **Privacy of the person, of personal behaviour, of personal communication, of personal data**
- **Protection of worker's personal data**
 - **Videosurveillance in the employment context**
 - **Surveillance of electronic communication**



ETHICAL

- **PETS** (privacy enhancing technologies)
 - Reduces the risk of contravening privacy principles and legislation
 - Minimises the amount of data held about individuals
 - Empowers individuals to retain control of information
- **Privacy by design**
 - Privacy and data protection should be integrated into the design of information and communication technologies