



Toward a Demonstration Project on Security of Mass Transportation - Future Need Session

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The Focus and Structure of the Project

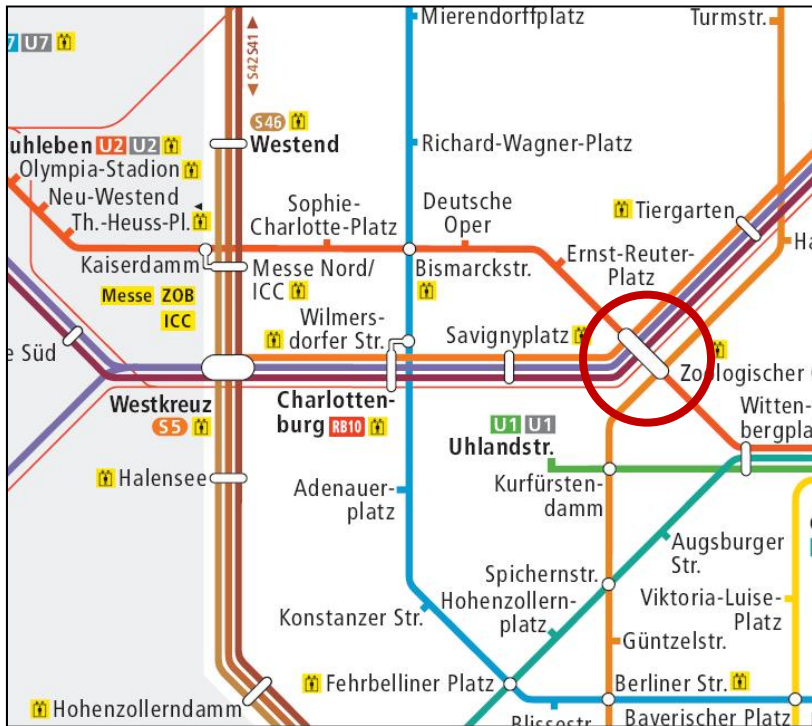
- The focus on critical “neuralgic” nodes is coherent with the risk based approach and should prioritise metro/short distance regional and main-line rail interchanges
- The “system of systems” demo shall cover operational and technical aspects
- All stakeholders shall be involved
- Project structure – one project with independent clusters (sub projects) and a technical-operational integration group

Identification of Needs – FP6's Studies as a Benchmark

Decision Making Process Study

- **Scope** - Review and analyse decision making processes, relating to threats and incidents
- **Objectives** - Identify strategies, best practices and further development needs for end users
- **Approach** - Review and analysing two case studies:
 - station with urban/regional trains, 2 metro lines and an adjacent bus terminal
 - A station with metro, main line and bus operations
- **Scenarios:** Threat, suspicious object, explosion (IED/VBIED), dispersion of toxic agents (PIH) and multi-attack incident (Madrid/London type)

Studied Transport "Neuralgic" Nodes



Key Findings – Decision Making Process

- Environment with a high level of uncertainty
- Urban transport – metro and rail line systems – greatly affect each other during crises
- Decisions are overly dependent on a specific person/group
- Communication, cooperation and unified situational picture among responding bodies is critical
- Lack of unified incident command, decision making support, training and simulation tools
- Traffic management strategy immediately after an attack depends on the basic assumption regarding the type of attack – ‘single’ or ‘first of many’

Future Needs and Project Scope

Short term objectives

- Use existing best practices and projects outputs as a benchmark for the development of a generic and comprehensive security concept and safeguards for “Mass Transport Systems”
- Development of harmonised preparedness and response strategies among stakeholders

Future Needs and Project Scope

Medium term objectives

- Enhance interoperability of communication systems, coordination and situational picture for all stakeholders
- Develop simulation and training tools to enhance preparedness
- Develop innovative technologies and solutions to support incident command, the decision making process and service management during emergencies

Long term objectives

- Develop stand-off threat detection technologies

Thank You

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