



## WORKING DOCUMENT WD6.2

# Resources in Mass Transport Security

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## Resources in Mass Transport Security

This working document is a preliminary compilation of public resources in mass transport security. The selection refers to recently published reports or web-based information sources, such as databases, research institutes or relevant organisations. The current sub-headings Reports & Papers, Terrorism & Technologies, EU, USA, and Databases etc do not reflect a complete or comprehensive structure. More sources will be added as the project evolves.

### Reports & Papers

[Report into the London Terrorist Attacks on 7 July 2005.](http://www.terrorisminfo.mipt.org/pdf/Report-London-Terrorist-Attacks-7-July-2005-ISC.pdf)

<http://www.terrorisminfo.mipt.org/pdf/Report-London-Terrorist-Attacks-7-July-2005-ISC.pdf>  
May 2006. This report contains the findings of the Intelligence and Security Committee relevant to the July 7, 2005 bombing attacks in London.

Source: United Kingdom Government.

Outsights-Ipsos MORI, (2006), *Living with terror: Democracy and terrorism*, Sigma scan (UK Foresight), <http://www.sigmascan.org/Issue/ViewIssue.aspx?IssueId=90&SearchMode=2>

Outsights-Ipsos MORI, (2006), *No more 9-to-5: The advent of 24-hour cities*, Sigma scan (UK Foresight),  
<http://www.sigmascan.org/Issue/ViewIssue.aspx?IssueId=3&SearchMode=2>

[Terrorism, Transit and Public Safety: Evaluating the Risks.](#) December 2005.

This paper discusses "the overall safety of public transit, taking into account all risks, including recent terrorist attacks. It indicates that transit is an extremely safe mode, with total per passenger-mile fatality rates approximately one-tenth that of automobile travel."

Source: Victoria Transport Policy Institute, CANADA.

**The International Association of Public Transport (UITP)** <http://www.uitp.org/Public-Transport/security/> is the international network for public transport authorities and operators, policy decision-makers, scientific institutes and the public transport supply and service industry. UITP has published these reports, available for purchase, <http://www.uitp.org/publications/index2.cfm?id=9>:

- **Public Transport Security in Stations:** Prevention, responding and recovering in the face of terrorism, October 2007
- **Anti-Terrorism in Public Transport. Security Conference**  
London, Dec. 2005 - Conference proceedings
- **Personal Security in Public Transport**  
Geneva, June 2004 - Conference proceedings

## Terrorism & Technologies

[Use of Technology in Preparing Subway Systems for Chemical/Biological Terrorism](#). April 1999. "This paper describes technologies that can be put into place in a subway system in an attempt to save thousands of lives in an incident."

**Source:** Argonne National Laboratory ([All by Source](#) | [Source Website](#))/Sandia National Laboratories ([All by Source](#) | [Source Website](#)). Large File: 3+ Mb.

<http://www.terrorisminfo.mipt.org/GetDoc.asp?id=1474&type=d>

Haupt, Steven G., Shahed Rowshan, and William C. Sauntry, *Public Transportation Security, Vol. 6: Applicability of Portable Explosive Detection Devices in Transit Environments*, Washington, D.C.: Transportation Research Board of the National Academies, Transportation Cooperative Research

Program report 86, June 2004. As of November 14, 2007:

<http://trb.org/publications/tcrp/tcrp%5Frpt%5F86v6.pdf>

Jackson, Brian A., Peter Chalk, Kim Cragin, Bruce Newsome, John V. Parachini, William Rosenau, Erin M. Simpson, Melanie Sisson, and Donald Temple, *Breaching the Fortress Wall: Understanding Terrorist Efforts to Overcome Defensive Technologies*, Santa Monica, Calif.: RAND Corporation,

MG-481-DHS, 2007. As of November 8, 2007:

<http://www.rand.org/pubs/monographs/MG481/>

[PRISMATICA: toward ambient intelligence in public transport environments](#)

SA Velastin, BA Lo, BPLJS Vicencio-Silva - Systems, Man and Cybernetics, Part A, IEEE Transactions on, 2005 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org), SA Velastin, B. Lo, J. Sun, L. Khoudour, and MA Vicencio-Silva, "Multi-sensory tools to improve personal security in public transport networks," in Proc. [http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=1369353](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1369353)

## EU

### White papers/Articles:

Communication from the Commission to the Council and the European Parliament *Keep Europe moving - Sustainable mobility for our continent. Mid-term review of the European Commission's 2001 Transport White Paper*. COM(2006) 314 final

[http://ec.europa.eu/transport/transport\\_policy\\_review/doc/2006\\_transport\\_policy\\_review\\_en.pdf](http://ec.europa.eu/transport/transport_policy_review/doc/2006_transport_policy_review_en.pdf)

Communication from the Commission to the European Parliament and the Council *Stepping up the fight against terrorism*. COM(2007) 649 final

[http://ec.europa.eu/justice\\_home/doc\\_centre/terrorism/docs/com\\_2007\\_649\\_en.pdf](http://ec.europa.eu/justice_home/doc_centre/terrorism/docs/com_2007_649_en.pdf)

ESSTRT (European Security: High-Level Study of Threats, Responses and Relevant Technologies), 2006, New European Approaches to Counter Terrorism  
<http://www.iiss.org/programmes/defence-analysis-programme/analysis-archive/european-security-high-level-study/>

**Further reading on the European Union and terrorism:**

David Spence, ed. *The European Union and Terrorism* (London, 2007).

## USA

### General

RAND's Terrorism and Homeland Security Research Area.  
[http://www.rand.org/research\\_areas/terrorism/](http://www.rand.org/research_areas/terrorism/)

Transportation Research Board:  
<http://www.trb.org/default.asp>

American Public Transportation Association:  
<http://www.apta.com/research/stats/rail/definitions.cfm>

Safety and Security: Federal Transit Administration - U.S. Department of Transportation:  
<http://transit-safety.volpe.dot.gov/Data/Samis.asp>

### **American Rail and Public Transportation Security (articles/papers/congress):**

Jeremy M. Wilson, Brian A. Jackson, Mel Eisman, Paul Steinberg, K. Jack Riley, *Securing America's Passenger-Rail Systems*, Santa Monica, Calif.: RAND Corporation, MG-481-DHS, 2007. As of February 16, 2009:  
<http://www.rand.org/pubs/monographs/MG705/>

Balog, John N., Peter N. Bromley, Jamie Beth Strongin, Annabelle Boyd, James Caton, and Don Corky Mitchell, *Public Transportation Security: A Guide for Decision Makers*, Vol. 2: *K9 Units in Public Transportation*, Washington, D.C.: National Academy Press, Transportation Cooperative Research Program report 86, 2002. As of November 14, 2007:  
<http://gulliver.trb.org/publications/tcrp/tcrp%5Frpt%5F86-v2.pdf>

[Passenger Rail Security: Enhanced Federal Leadership Needed to Prioritize and Guide Security Efforts](#). October 2005.

This testimony of Cathleen A. Berrick, before the Senate Committee on Commerce, Science, and Transportation, discusses "how the Department of Homeland Security (DHS), including the Transportation Security Administration (TSA) and the Office for Domestic Preparedness (ODP), have assessed risks posed by terrorism to the U.S. passenger rail system using risk

management principles; actions federal agencies have taken to enhance the security of U.S. rail systems; and rail security practices implemented by domestic and selected foreign passenger rail operators and differences among these practices."

Source: Government Accountability. Report Number: GAO-06-181T.

Transportation Security: Issues for the 109th Congress. July 2005.

This Congressional Research Service (CRS) report discusses "how best to construct and finance a system of deterrence, protection, and response that effectively reduces the possibility and consequences of another terrorist attack without unduly interfering with travel, commerce, and civil liberties."

Source: Congressional Research Service (CRS), United States. Report Number: IB10135.

Terrorism and the Security of Public Surface Transportation. March 2004.

Testimony of Brian Michael Jenkins presented to the Senate Committee on Judiciary on April 8, 2004. Source: RAND. Report Number: CT-226.

Public Transportation System Security and Emergency Preparedness Planning Guide.

January 2003.

"This Guide is based on research to identify practical steps that systems can take to be better prepared for all emergencies. These recommendations support the industry's commitment to prevent those events that can be prevented and to minimize the impact of those that cannot. Emphasizing balanced, common sense measures, this Guide helps transportation systems answer many questions."

Source: Federal Transit Administration, U.S. Department of Transportation.

Passenger Rail Security: Evaluating Foreign Security Practices and Risk Can Help Guide Security Efforts. March 2006.

"This testimony, which is based primarily on GAO's September 2005 report on passenger rail security (GAO-05-851), provides information on (1) the security practices that domestic and selected foreign rail transit operators have implemented to mitigate risks and enhance security; (2) the Department of Homeland Security's (DHS) and the Department of Transportation's (DOT) funding of rail transit security and use of risk management in funding decisions; and (3) the steps DHS and DOT have taken to improve coordination on rail transit security matters."

Source: Government Accountability Office. Report Number: GAO-06-557T.

Transportation Security: Issues for the 110th Congress. August 2007.

"The vulnerability of passenger rail systems to terrorist attacks is well documented. Steps that can be taken to reduce the risks and consequences of an attack include vulnerability assessments, emergency planning, and emergency response training and drilling of transit personnel, ideally in coordination with police, fire, and emergency medical personnel. A leading issue with regard to securing truck, rail, and waterborne cargo is the desire of government authorities to track a given freight shipment at any time, particularly the tracking of marine containers as they are trucked to and from seaports. Security experts believe this is a particularly vulnerable point in the container supply chain. Debate over who should pay for cargo security, government or industry, and whether mandates or guidelines are the best approach to ensure industry's due diligence in protecting their supply chains are other leading issues. Hazardous materials (hazmat) transportation raises numerous security issues."

Source: Congressional Research Service (CRS), United States. Report Number: RL33512.

[Safe Transport: Security by Design on the Washington Metro](#)

NG La Vigne - Preventing Mass Transit Crime, 1997 - books.google.com

SAFE TRANSPORT: SECURITY BY DESIGN ON THE WASHINGTON METRO by Nancy G. La Vigne

US National Institute of Justice Abstract: Most successful crime prevention ..

[Securing Mass Transit: A Challenge for Homeland Security](#)

WL Waugh - Review of Policy Research, 2004 - Blackwell Synergy  
( 2001a, December 10).

Improving Surface Transportation Security: Through Research and Development:

<http://pubsindex.trb.org/document/view/default.asp?lbid=675629>

Protecting Public Surface Transportation Against Terrorism and Serious Crime: An Executive Overview.

<http://ntl.bts.gov/lib/11000/11800/11849/TerrorismExOverv.pdf>

## Databases etc.

MIPT Lawson Terrorism Information Center:

<http://www.terrorisminfo.mipt.org/Transportation-Security.asp?RecordType=&DisplayDesc=&Sort=>

UITP Mobility in Cities Database

<http://www.uitp.org/publications/Mobility-in-Cities-Database.cfm>

RAND Worldwide Terrorism Incident Database:

<http://www.rand.org/ise/projects/terrorismdatabase/>