Tranzinfo HotTopic

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Security and anti-terror measures in transport

A selection of recent publications and resources on security and anti-terror measures, primarily in maritime but also including land-based transport.

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Current as at 2007. Please contact your nearest transport library if you are looking for more recently published items on this topic.

1. **Maritime terrorism : risk and liability**
   Rand Corporation : Santa Monica, California, USA, 2006
   This 198-page report examines the contemporary threat of maritime terrorism, not only against container shipping, but also the cruise and passenger ferry sectors.
   The appendix provides a methodology for qualitatively assessing the relative risks of maritime terrorism and the report also contains a substantial bibliography.
   Item online (accessed January 2007) **Click here**

2. **Cargo Security International**
   Petrospot : Banbury, Oxfordshire, UK   *Journal – six issues p.a.*
   Covers current issues in the intermodal cargo security industry.
   For more information on the journal **Click here**

3. **Department of Transport and Regional Service – Transport Security**
   This is the primary Australian Government website dealing with security across all transport modes.
   Item online (accessed January 2007) **Click here**

4. **Advanced technology protects ports from underwater intruders**
   Grant W
   Port Technology International 2006
   Winter, pages 123-126
   The concern that ports may be vulnerable to terrorist attack has driven the development of a range of sonar systems to provide advanced warning of diver intrusion.

5. **Future unknown : the terrorist threat to Australian maritime security**
   Australian Strategic Policy Institute : Barton, ACT, Australia 2005
   About 99.5% of Australia's overseas trade by volume, and 75% by value, is carried by sea. Seaborne trade is potentially vulnerable to terrorist attack because of the quantity of cargo involved, the trade's diverse and large international labour force, the difficulties of enforcement in port and at sea, and the poor regulatory environment of international shipping. This report covers an assessment of the risks in Australia, and an identification of the gaps.
   Item online (accessed January 2007) **Click here**

6. **Piracy**
   House of Commons. Transport Committee : London, UK, 2006
   Report + UK government response.
   There has been a sharp upwards trend in piracy worldwide from 1993 to 2005. Attacks are concentrated in Indonesia and the Malacca Straits, the South China Sea, India and East Africa. This report examines incident trends, underreporting of piracy crimes and measures for the protection of the safety of maritime crews.
   Items online (accessed January 2007) **Click here** and **here**

7. **Risk management : further refinements needed to assess risks and prioritize protective measures at ports and other critical infrastructure**

    United States Government Accountability Office : Washington, D.C., USA, 2005

    Seaports are widely viewed as representing attractive terrorist targets, in part because of their importance to the economy. More than 95% of non-North American foreign trade (and 100% of certain commodities, such as foreign oil) arrives by ship.

    This report, issued in December 2005, focuses on the progress made by the US Department of Homeland Security in their risk management strategies primarily at seaports, but also at other critical infrastructure.

    Item online (accessed January 2007) **Click here**

8. **Protecting the nation's seaports : balancing security and cost**

    Public Policy Institute of California : San Francisco, USA, 2006

    This report describes and analyses what could happen if a terrorist attack on a port were to occur, attack deterrence measures, the characteristics of U.S. port security programs and security policy implications.

    Item online (accessed January 2007) **Click here**

9. **Testing time for box checks : a call for increased inspection of containers has come at a time when the technology is improving**

    Robinson B

    Cargo Systems

    June 2006, pages 23-25

    Describes some of the hardware and software that has been developed to ensure security of the supply chain.

10. **Maritime security : elements of an analytical framework for compliance measurement and risk assessment**

    UNCTAD : New York & Geneva, 2006

    This 16-page paper offers a security risk assessment and management framework for transport networks. It also contains a review of funding schemes adopted by industry and governments to cover the costs of security regulations.

    Item online (accessed January 2007) **Click here**

11. **Containing terror**

    Petersen K

    Cargo Security International 2006

    August/September, pages 21-22

    This article pinpoints some of the vulnerabilities in the container security supply chain, arguing that international efforts at protection are not enough to deter terrorist groups such as Al-Qaeda.

12. **The best of times, the worst of times : maritime security in the Asia-Pacific**

    Institute of Defence and Strategic Studies : Singapore, 2005

    Two chapters in this book cover 'Terrorism in the early 21st century maritime domain', and 'Maritime terrorism, a risk assessment : the Australian example' .

13. **Container transport security across modes**
    European Conference of Ministers of Transport (ECMT) : Paris, France, 2005
    This study specifically focuses on the potential threat of containers being used by terrorists as a delivery vehicle for chemical, biological, radiological or nuclear weapons. Measures used to mitigate this threat fall into five groups: container scanning, ensuring the integrity of the container itself, controlling access to the container, tracking containers, and assessing container risk via the analysis of trade-related data.

14. **Container security closes the gaps**
    World Cargo News
    May 2006, pages 59-60
    The imminent ratification of ISO/PAS 17712, as the new standard covering the manufacture/use of mechanical container security seals, will enable government agencies and customs' bodies to enforce security more effectively throughout the global transport chain.

15. **Security in ports : ILO and IMO code of practice**
    International Labour Organization & International Maritime Organization : Geneva/London, 2004
    This code provides a guidance framework to develop and implement a port security strategy appropriate to identified threats to security.
    Item online (accessed January 2007) **Click here**

16. **Multiyear plan for bridge and tunnel security research**, **development and deployment**
    Federal Highway Administration (FHWA), , McLean, Virginia,USA, 2006
    This report documents the results of an extensive needs assessment program designed to fill gaps in existing security practices for tunnels and bridges in the United States
    Item online (accessed January 2007) **Click here**

17. **Public transportation security: volume 7: public transportation emergency mobilization and emergency operations guide**
    Transportation Research Board ; Washington, D.C., USA, 2005
    Designed for public transport authorities, this report offers information on responses to emergency events, including facilitating coordination with other agencies.
    Item online (accessed January 2007) **Click here**

18. **Risk management and design of critical bridges for terrorist attacks**
    Williamson EB and Winget DG
    Journal of Bridge Engineering 2005
    Volume 10, Issue 1, pages 96-106
    This papers aims to provide a summary of techniques designed to lessen the impact of terrorist attacks on bridges, incorporating considerations such as cost-effectiveness and design obtrusiveness.

19. **Safe passage: rethinking transit security in the post 9/11 era**
    Claypool A
    Progressive Railroading 2005
    Volume 48 Issue 2, pages 16-22
    Article offering examples of security measures that are being employed by public transport authorities in the United States, including motion sensors, volunteer security personnel programs and disaster drills.

20. **An overview of FTA security considerations and their impact on tunnel ventilation**
    Miclea PC
    Proceedings of the 2006 Rail Conference, June 11-14, New York, United States
    7 pages
    Strategies to employ during emergencies are explored in this paper within the context of tunnel ventilation. Includes discussion of ventilation system design and examples from recent tunnel fires and incidents.

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