Seaport Security: Training, Equipment and Research Needs

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Port and Maritime Overview
International Trade Impact on Seaports

- **1998** – USDOT report
  - $200 billion taxes
  - 13.1 million jobs
  - $494 billion personal income
  - $1.5 trillion in business sales

- **1999** – Southern Governors Association Report
  - 61% of U.S. imports flowed thru southern ports
  - 63% of U.S. exports flowed thru southern ports
Economic Impact on State Ports

1997*

- Alabama -$3.6 billion
- Florida -$64.3 billion
- Louisiana -$28 billion

*wages, jobs, taxes, sales
**Worldwide Container Fleet Operations**

- **Cargo Shipping Method**
  - 1999 – 55% general cargo by container
  - 2010 – 90% (projected)

- **Cargo Ship Group**
  - 1999 – 3.6% of world fleet in 4,000-6,000+TEU (92 ships)
  - 2010 – 33% world fleet in 4,500+TEU
    (9.5% in 6,000-9,000 TEU)
Overview of Cruise Industry

• 1970-88  25 million cruise passengers
• 1989-98  42 million cruise passengers
• 2000      13.5 million cruise passengers
• 80%      American passengers

• 1988      114 ships in Caribbean region
• 1998      144 ships in Caribbean region
• 1999-03   52 new ships to be added to North American fleet
Maritime Threats
• **1,200+ cargo theft cases**
• **80 environment cases**
• **750+ trade fraud cases**
• **100+ organized crime cases**
• **820 internal conspiracies**
  – Dockworkers
  – Vendors
  – Security personnel
Organized Crime

Traditional
- U.S. based

International
- Russian
- Italian
- Mexican
- Colombian
- Chinese
- Vietnamese
- Israeli
Cargo Theft Activities

- Estimated $30-50 billion loss worldwide
- Infiltration of air/seaports transportation hubs in Asia & Europe
- Tapping information sharing networks to ID HIGH VALUE cargo (computers, pharmaceuticals, high value clothing)
- Highly mobile

High Profit vs Low Risk
Seaport Crime

**Drug smuggling at 12 seaports (FY 96-98)**

- 1,217 drug seizures/ 300,320 lbs.
- 48% of all drug seizures nationwide (cargo)
- 69% of all cocaine seizures nationwide
- 55% of all heroin seizures nationwide
Recent Seizures

- **February 2001** – Cocaine/Ecstasy tablets $2 million recovered from cruise ship in Miami
- **August 2000** – Ecstasy tablets $7.5 million recovered in Toronto in sea containers for Belgium
- **April 2000** – Ecstasy tablets $4 million recovered in Boston
- **April 2000** – Cocaine, $700,000 recovered from cargo ship in Greece-originated in Colombia
Smuggling Stolen Vehicles/Drugs
Terrorism

**Goals**

- Maximize Damage
- Maximize Casualties
- Unclaimed Responsibility for Action
Terrorism in the U.S.
1991-1998

- Incidents
- Suspected
- Preventions

Graph showing the number of incidents, suspected cases, and preventions from 1991 to 1998.
**Terrorist Attacks When Threat was “Low”**

- **2000** USS Cole
- **2000** Our Lady of Mediatrix
- **1999** Attempted attacks on U.S. West and East Coasts
- **1998** Bombings of U.S. Embassies Tanzania and Kenya
- **1996** Khobar Towers, Saudi Arabia
- **1995** Oklahoma City
- **1993** World Trade Center
Global Terrorist Attacks

2000  -USS Cole - 19 killed; 37 wounded
2000  -Our Lady of Mediatrix - 40 killed; 50 wounded
1998 -U.S. Embassies, Kenya/Tanzania - 257 killed ; 5,500 wounded
1997 -Attack on tourist bus, Egypt - 62 killed
1996 -Khobar Towers, Saudi Arabia - 19 killed; 280 wounded
1988 -Attack on City of Poros - 9 killed; 98 wounded
1985 -Achille Lauro - 1 killed
Threat Mitigation and Challenges
Objectives of Seaport Security Program

Prevention

Minimization

Identification
What are you trying to prevent?

– Incident
– Adverse publicity
– Unauthorized person
– Contraband
How do you achieve the Seaport Security objectives?

- Training

- Equipment

- Research & Development
Port Security Officers Training

Five modules:

- Maritime
- Law Enforcement
- Physical Security Operations
- Threat Overview and Assessments
- Field Trips
Maritime

- Overview of Maritime Operations
- Description of Port Types/Operations
- Overview of Port Operations
- Overview of ship construction, type and safety concerns
Law Enforcement

- Law (criminal, maritime, rules of evidence)
- Report writing
- Crowd control management
- Defensive tactics
- Community relations
- Crime Scene Management/Evidence Handling
- Accident investigation
- Patrol techniques
- Crisis Management operations
- Cargo/Cruise Security
- Identification of fraudulent documents
**Physical Security Operations**

- Planning, Development/Implementation of Physical Security survey
- Perimeter security
- Lighting
- CCTV
- HAZMAT Storage/Incident Response
- Gates/fences
Threat Overview and Assessments

- Cargo Theft
- Narcotics Smuggling
- Organized Crime
- Terrorism
- Sabotage/Vandalism
- Labor Disputes
- Environmental Crimes
- Fraud
- Stowaways/Alien Smuggling
Field Trips

- Container Seaport
- Cruise Seaport
- Petroleum Storage/HAZMAT Seaport
Seaport Security Equipment

Perimeter Security
- Fences, barriers
- CCTV
- Lighting
- Alarms
Fence line
Access/Egress Control

- Vehicles
- Passengers
- Vendors
- Employees
Access Control Aims to Prevent:
Screening

- Carry-on baggage
- Checked baggage
- Ships Stores
Potential Damage

Six to ten suitcases =
Research & Development

• Development of high throughput screening equipment for processing cargo container and vehicles
• Development of system to process vehicles entering/egressing seaport, with minimal operational disruptions
• Dedicated funding for security enhancement
Consequences for Lack of Security

Negative publicity

Costly Litigation

Adverse effect on port reputation, employee morale and future business
“Yes, I am a terrorist and proud of it.

I support terrorism, as long as it is against the U.S. government and Israel.”

Ramzi Yousef

Masterminded World Trade Center Bombing and Attempted to Bomb 12 U.S. Airliners Over the Pacific