



International Port Security Program



Security Threats and Trends





Purpose



The goal of this lesson is to provide a general understanding of the concerns that motivate vigilance regarding maritime security and compliance with the ISPS Code.



Objectives



- **DESCRIBE** threats that may affect port facilities
- **DISCUSS** incidents that have impacted vessels and port facilities
- **DESCRIBE** potential maritime security threat vectors for port facilities
- **DISCUSS** reasons effective security measures benefit port facilities



Cruise Industry: A Target





Security Vulnerabilities



- Commercial pressures
- On-board security
- Crew vetting
- Insider Threat
- Security Screening
- Piracy





Security Vulnerabilities



- Port Security Measures
- Rapidly changing security environment
- Operations
- Port Calls and shore excursions





Vulnerabilities and Attractiveness to Terrorism



- Cruise Terminals are easily accessible
- Large numbers of people confined to a single geographic space
 - Maximize casualties
 - Mass chaos
 - Combines economic and human targets
 - Political, social, and economic effects
- Vulnerabilities:
 - Large target
 - “Unescapable” – while at sea
 - Rescue operations have high-potential to be disastrous
- Cruise ships are highly iconic in nature
- Global Cable Network News (CNN) effect





Vulnerabilities and Attractiveness to Terrorism



- Security checks are far less stringent than those used in commercial aviation.
- Lack of comprehensive background checking/vetting of those with access to the ship at overseas port calls (i.e. service employees).
- Low wages may make persons highly receptive to bribes.



Vulnerabilities and Attractiveness to Terrorism



- Cruise ships routinely anchor offshore for extended periods of time making a cruise ship susceptible to a collision assault attack
- Precise schedules and preplanned itineraries are readily available on the internet

10-DAY TRANSATLANTIC FROM LONDON (SOUTHAMPTON) NORWEGIAN ESCAPE



DAY	PORT	ARRIVE	DEPART*
Thu	London* (Southampton), England		5:00 pm
Fri-Sat	Relaxing days at sea	—	—
Sun	Miami, Florida	8:00 am*	

2015 SAILING
Oct 29

* Ship will berth at port in parentheses.
Optional Shore Excursions to this city available.

† Due to security reasons, all guest must be on board 1 hour before sailing.

* Disembarkation usually begins 2 hours after docking.

7-DAY EASTERN CARIBBEAN FROM MIAMI NORWEGIAN ESCAPE



DAY	PORT	ARRIVE	DEPART*
Sat	Miami, Florida		4:00 pm
Sun-Mon	Relaxing days at sea	—	—
Tue	St. Thomas, U.S. Virgin Islands <small>Optional tour to St. John, USVI available</small>	8:00 am	6:00 pm
Wed	Tortola, British Virgin Islands	8:00 am	4:00 pm
Thu	Relaxing day at sea	—	—
Fri	Nassau, Bahamas	Noon	7:00 pm
Sat	Miami, Florida	8:00 am*	

2015 SAILINGS	2016 SAILINGS
Nov 14, 21, 28	Jan 2, 9, 16, 23, 30
Dec 5, 12, 19, 26	Feb 6, 13, 20, 27
	Mar 5, 12, 19, 26
	Apr 2, 9, 16, 23, 30



Attack Contingencies and Implications



- Sinking a cruise ship
- External small boat ramming attack
- Underwater attack
- Other scenarios (e.g., IED in passenger congregation areas, random lethal assaults, or “Black Swan” event)



Concerns



- Security is a global issue. Terrorists and other non-state actors have no boundaries
- Even good security does not always deter a threat or terrorist action
- Plans must be in place to respond to a security threat





Security Benefits



- Good security provides for mitigation of threats and effective response to incidents that may occur.
- Even if a crisis is caused by an accident or natural disaster, a culture of good security prepares personnel for a better response.

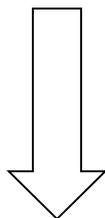




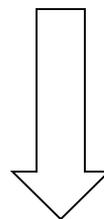
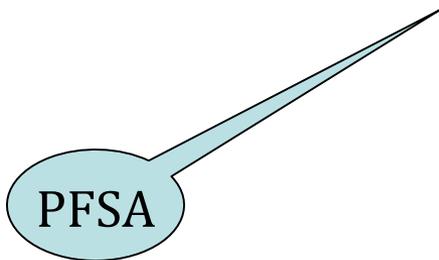
Risk



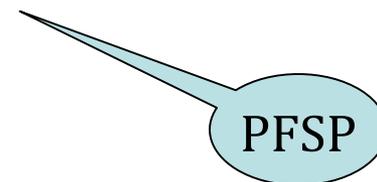
Capabilities x Intentions



Threat x Vulnerability x Consequence



Risk





Threats



Threats may come from:

- Terrorists
- Criminals/piracy
- Civil disorder
- Disgruntled employees
- Activists





Incidents



Aden, Yemen: 2000

- USS Cole attacked by suicide small boat while refueling
- VBIED tore 40 foot X 40 foot hole in hull, killing 17 and injuring 39





Incidents



Gulf of Aden: 2002

- M/T Limburg attacked by small boat laden with explosives
- Approx. 14,000 m³ of oil was discharged into the Gulf of Aden
- One killed and 12 injured

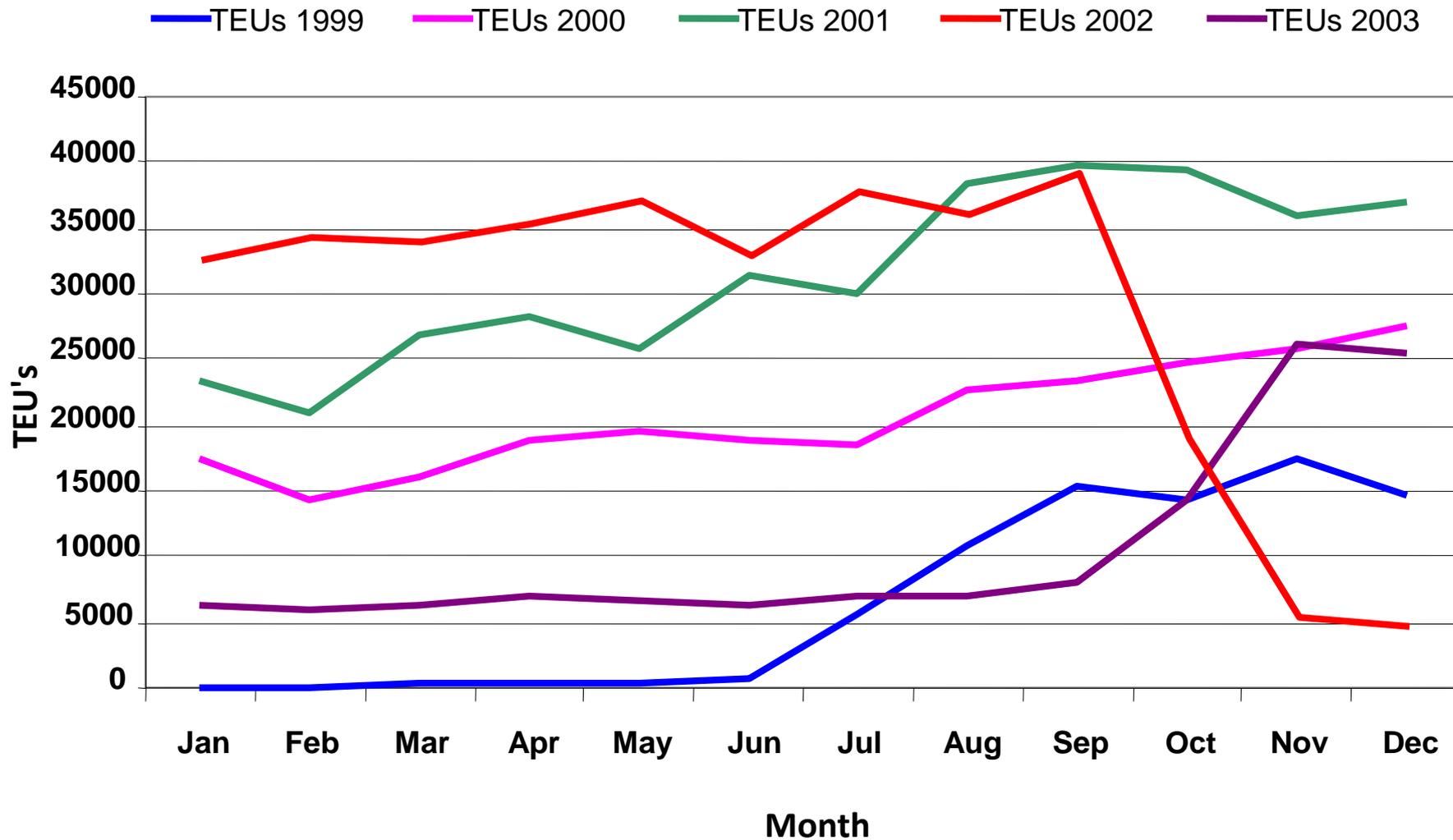




The Aftermath of the LIMBURG



ADEN CONTAINER TERMINAL (ACT) THROUGHPUT 1999 - 2003





Incidents



Davao City, Philippines: 2003

- A bomb exploded near a barbecue stand in a row of food stalls by the Sasa Wharf Ferry
- The Filipina Princess and Superferry 15 were pier-side at the time of the attack





Incidents



Philippines: 2004

- Superferry 14 underway off coast
- Small television with 3.6 Kg of explosives inside detonated, resulting in blast and fire with 116 killed or missing





Incidents



Aqaba, Jordan: 2005

- USS Ashland and USS Kearsarge attacked by two katyusha rockets while in port
- Standoff rockets missed the vessels, but struck a warehouse, killing 1 Jordanian soldier





Incidents



Gulf of Aden: 2006

- M/V HYUNDAI FORTUNE 97km from Yemen
- Vessel damaged, one crewmember injured
- Fire caused by accidental ignition of hazardous material... not a security incident



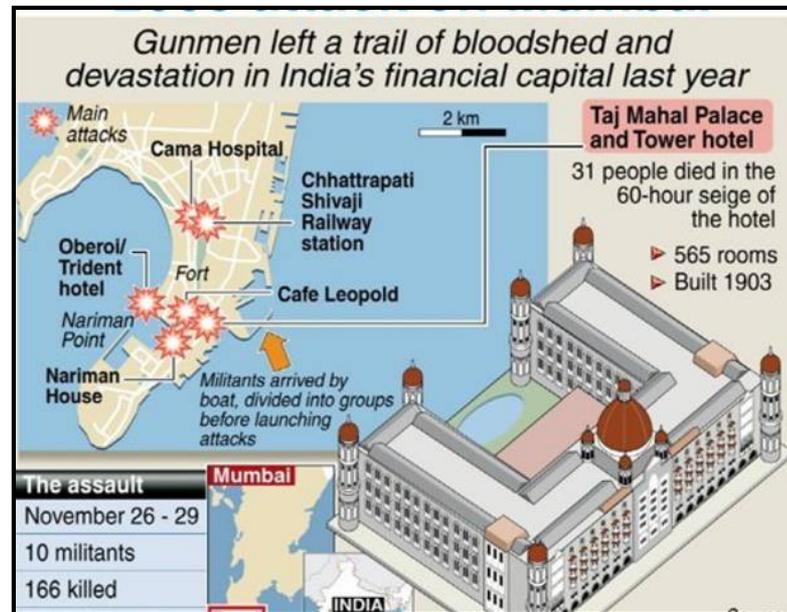


Incidents



Mumbai, India: 2008

- Militants hijacked vessel, then used small boats to land at fishing village
- Open sources state that local fishermen asked militants who they were at landing, and reported the incident to police





Incidents



Strait of Hormuz: 2010

- VLCC tanker M. Star attacked by small boat with explosives, detonating alongside
- Vessel damaged, one crewmember injured
- If blast had penetrated the hull, environmental and economic damage could have been catastrophic





Incidents



Basra, Iraq: 2013

- Truck Bomb explodes in port of Umm Qasr
- Vessel damaged, four workers injured

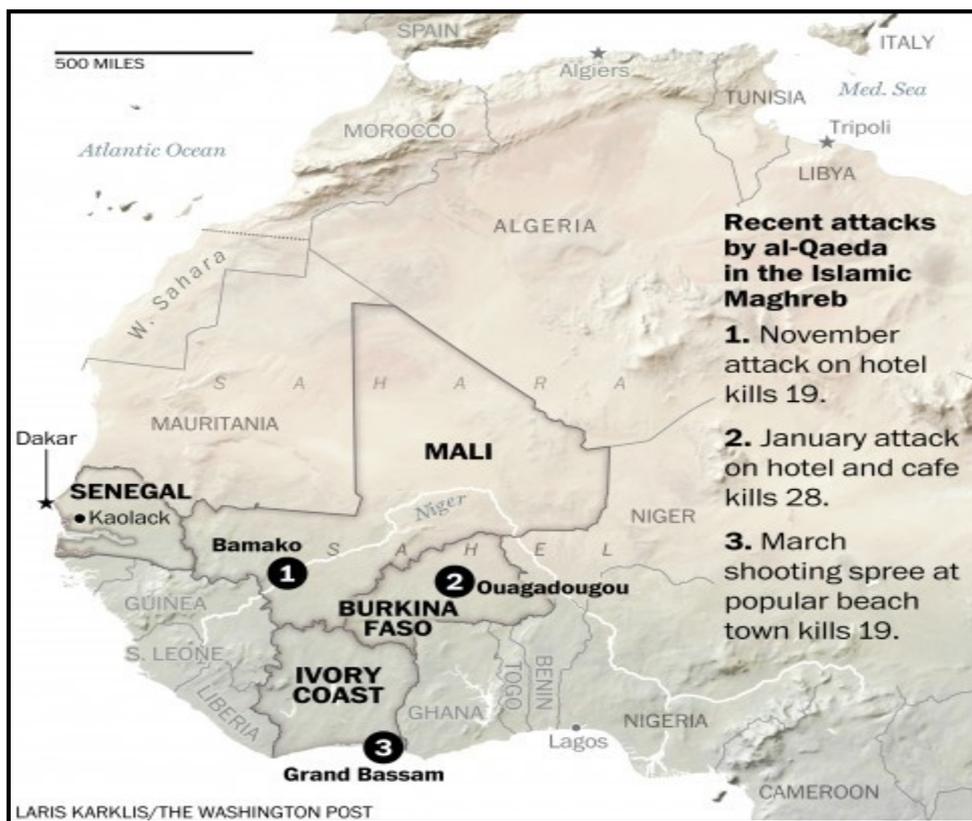




Incidents



Al-Qaeda affiliates are threatening West Africa's most peaceful cities



- 1.) Radisson Blu Hotel
 - 2.) Splendid Hotel & Coffee Bar
 - 3.) Beach Resorts in Grand-Bassam, Ivory Coast
- *French / Western Based targets
 - *France has large military base in Ouagadougou
 - *Sousse, Tunisia: Beach resort massacre.



Recent Incidents Targeting Transportation



Brussels: 2016

- Airport and Metro suicide bombing
- 32 deaths, and 300 injuries





Recent Incidents Targeting Transportation



Istanbul, Turkey: 2016

- Atatürk Airport shooting and suicide bombing
- 45 deaths and 230 injuries





Recent Incidents Involving Vehicles



- Nice, France:
 - July '16 - 86 killed, 450+ injured
- Berlin, Germany:
 - Dec '16 - 12 killed
- London, England:
 - Mar '17 - 4 killed; 40 injured
- Stockholm, Sweden:
 - Apr '17 - 4 killed; 15 injured
- Barcelona, Spain:
 - Aug '17 - 13 killed; 100+ injured
- New York, U.S.A:
 - Oct '17 - 8 killed; 11+ injured
- Tajikistan:
 - Jul '18 - 4 cyclists killed; 3 injured





Cyber Incidents



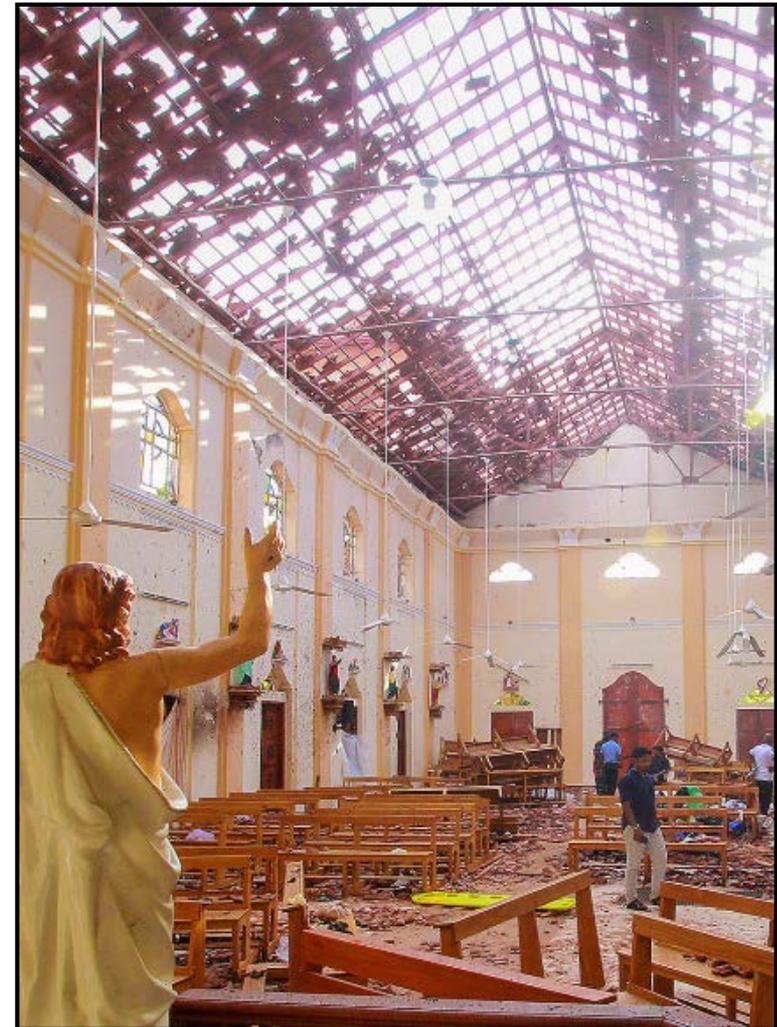
Equifax Data Breach: 2017

- Hackers accessed personal information
- 143 million people impacted



Colombo, Sri Lanka: 2019

- 3 Churches, 3 Luxury Hotels attacked
- 253 Killed; over 500+ wounded





Threat Vectors



The incidents discussed show many different threat vectors:

- Vehicle-bourne IED
- Small boat VBIED
- Standoff attack
- IED on vessel
- IED in facility
- Hijacking
- Active shooter



U. S. COAST GUARD



Threat Vectors



Additional threat vectors may include:

- Stowaways
- Sabotage to facility equipment
- Underwater swimmers
- Vessel ramming
- Drones
- WMDs
- Cyber





Recent Threat Reporting



“Barbados AG Warns of Terror Threat”

- Increased frequency of terrorist attacks on soft targets
- Undermines fundamental values and principles that unite the Region
- Attack on democracy, human rights, the rule of law, good governance, and the religious tolerance
- Endangers the social fabric and economic development of the region
- Serious threat to peace, security, stability





Recent Threat Reporting



“More Arrested in Alleged Plot, But T&T PM Says Security Concerns Remain”

- Trinidad & Tobago
- Feb '18
- 13 arrested in alleged plot to disrupt Carnival
- “Still have serious concerns about the safety and security of the state

“Fears of Terrorism Threat Begin to Subside”

- Suriname
- May '18
- Two Dutch brothers were arrested for alleged ISIS recruitment; one brother was preparing to travel to Syria
- Terrorist threat against schools & public institutions on social media



U. S. COAST GUARD



Summary



- Maritime security threats are variable, real, and require vigilance to prevent illicit action and respond to incidents.
- Compliance with the ISPS Code, including an accurate PFSA, current PFSP, and demonstrated proficiency in drills and exercises all contribute to effective anti-terrorism measures.