PRESENTATION TO SATC 2006

DEVELOPMENT AND IMPLEMENTATION OF MARITIME SECURITY

BY

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(WITH THANKS TO IMO FOR MATERIAL)
MARITIME THREATS
Security Environment and Threats

hijacking Achille Lauro (1985)
Security Environment and Threats

Attack on USS Cole (2000) in Aden
Security Environment and Threats

Attack on WTC and Pentagon (2001)

Spencer Platt / Getty Images
Security Environment and Threats

Attack on MT Limburg (2002) off Yemen
Other Threats to Maritime Security
Piracy & Robberies

Piracy in the Far East
Number of attacks in each area in 1995

- China: 2
- Hong Kong: 12
- Thailand: 4
- Vietnam: 9
- Malaysia: 5
- Singapore: 4
- Borneo: 6
- Indonesia: 64

Images showing piracy and robberies in the Far East.
Stowaways
Sabotage & Arson
Diplomatic Conference
December 2002 - London
Amendments to SOLAS

Chapter V

Chapter XI
Amendments to SOLAS

Chapter V
Chapter XI

Chapter XI-1
Special measures to enhance maritime SAFETY

Chapter XI-2
Special measures to enhance maritime SECURITY
Chapter V

Vessels Require to have:

- Automated Identifications Systems
Chapter XI-1

Vessels Require to have:
- Ship Identification Number
Chapter XI-1

Vessels Require to have:-

- Ship Identification Number
- Continuous Synopsis Record
Chapter XI-2

Vessels Require to have:

- Ship Security Alert System
Chapter XI-2

- Ship Security Alert System
- Mandatory Compliance with **ISPS Code** with effect from

**1 JULY 2004**
Chapter XI-2

Applies to:
>Passenger Ships
Chapter XI-2

Applies to:-
> Passenger Ships
> Cargo Ships => 500GT
Chapter XI-2

Applies to:
> Passenger Ships
> Cargo Ships => 500GT
> Mobile offshore Drilling Units
Chapter XI-2

Applies to:
> Passenger Ships
> Cargo Ships => 500GT
> Mobile offshore Drilling Units
> Port facilities serving ships engaged in international waters
International Ship and Port Facility Security Code
...to detect & deter acts that threaten security
International Ship & Port Facility Security Code
Vessel’s Components

- Company Security Officer
- Ship Security Officer
- Ship Security Assessment
- Ship Security Plan
- Training, Drills & Exercises
- Verification & Certification
Ship Security

- Threat Assessment and Threat Level
- Access Control and Restricted Area
- Security Duties and Roving Patrols
- Security Awareness and Vigilance
Ship Security

- Security Equipment & Systems
- Weapons of Mass Destruction
- Techniques used to circumvent security measures
Ship Security

- Emergency Preparedness & Contingency Procedures
- Crisis Management
Vulnerability Assessment & Risk Management

6 Steps to carrying out a Ship Security Assessment
1. Look at the potential threats against ship specific
2. Consequence assessment
3. Vulnerability assessment
4. Mitigation
5. Implementation
6. Audit, Review and Improve

<table>
<thead>
<tr>
<th>Consequence Score</th>
<th>Total Vulnerability Score</th>
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<tbody>
<tr>
<td></td>
<td>2</td>
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Ship Security Assessment
On Scene Survey
Port Facility Security Assessment
Port Facility Security Assessment & Plan
DO YOU HAVE ANY QUESTIONS?