# MARINE CARGO SECURITY



DAYANAND PRASAD

# **Marine Cargo Security**

Dayanand Prasad



## RANDOM PUBLICATIONS LLP

NEW DELHI (INDIA)

# Contents

	Preface	v
1.	Introduction	1
	Common Security Issues	2
	History of Maritime Security	4
	Regulatory environment	6
	Practical Issues of Maritime Security	7
	Theoretical Approaches to Maritime Security	12
	Security Tactics	14
	Future Security Threats in the Maritime Industry	15
	Autonomous Cargo Ship	16
	Potential Benefits	19
	Potential Challenges	20
2,	Maritime Transport	23
	Introduction	23
	Description	24
	History	26
	Professional Mariners	27
	Environmental Impact	32
	Infrastructure	33
	Ships and Cargo	36
	Definitions	37
	History	40
	Merchant Navy	43
	Sea Transport Systems	47
	Fleet Characteristics	54

3.	Admiralty Law
	Introduction
	Features 64
	International Conventions
	Piracy
	Individual Countries
	Admiralty Court
	Barratry (Admiralty Law)
	Consulate of the Sea95
	Declaration of London
	General Average
	York Antwerp Rules
	Modern Day
	Prize
4.	United Nations Convention on the Law of the Sea 116
	Introduction
	Background
	Part XI and the 1994 Agreement
	Part XII - Protecting the Marine Environment
	Biodiversity Beyond National Jurisdiction
	Parties
	Maritime Security Regimes
	Coast Guard 127
	Role
	Racing Stripes
	Type and Role by Country
	English: Border Police
5.	Piracy in Marine Security
	Introduction
	History
	Culture and Social Structure
	Known Pirate Shipwrecks
	Privateers
	Commerce Raiders

	Legitimate Ruses	19	98
	1990s-2020s	20	00
	Anti-piracy Measures	20	04
	Legal Aspects		
	Economics of Piracy		
6.	Maritime Security Threats and Risks		
	Introduction	2	16
	International Cospas-Sarsat Programme	2	20
	Global Maritime Distress and Safety System	2	29
	Automatic Identification System	2	37
	Long Range Ship Identification and Tracking	2	44
	North American Implementation		
7.	Port Security		
	Introduction of Port		
	Historical Ports	2	50
	Modern Ports	2	51
	Types	2	52
	Environmental Issues		
	World's Major Ports		
	Port Security		
	Maritime Supply Chain and Port Security		
	Emerging Port Security Risks		
	Port Security in the United States		
	Container Security Initiative		
	Currently Operational Ports		
	Infrastructure Security		
	Maritime Transportation Security Act of 2002		
	Supply Chain Security		
	Bibliography		
	Index	. 2	283

### Index

#### A

Academic Discourse; 267.

Activities Include: 277.

Admiralty Court; 63, 68, 75, 85, 86, 90, 91, 92, 94, 95, 96, 109, 125.

Admiralty Law; 62, 66, 85, 94.

African States; 212, 247.

Air Pollution; 255.

Ancient Times; 194.

Applicable Law; 85.

Archipelagic Waters; 120.

Arctic Resources Race; 27..

Australian Merchant Navy; 43.

В

Autonomous Cargo Ship; 16.

Bulk Shipping; 48.

C

Cargo Claims; 85.
Caribbean Netherlands; 143.
Collision Avoidance; 240.
Commerce Raiders; 194.
Container Ship; 52, 53, 54.
Cruise Home Port; 253.
Currents Estimates; 242.
Cyber Risks; 259.

Г

Deck Department; 28.

Domain Awareness; 213, 246, 248, 267.

Drug Traffickers; 218. Drug Trafficking; 9.

E

Economic Zones; 121, 122. Environmental; 4, 20, 32, 34, 35, 254.

Environmental Impact; 20, 32. European Implementation; 245.

F

Famous Cargo Ships; 42. Federal Legislature; 261. Foreign Ports; 272.

G

Good Faith; 197. Ground Segment; 224, 228.

H

High Frequency; 232. Historical Ports; 250. Hong Kong; 56, 136, 170, 256, 272, 274.

1

Indian Merchant; 45. Individual Countries; 83. Internal Waters; 120. Invasive Species; 255.

#### K

Key Initiatives; 278.

#### L

Largest Ships; 56. Legal Issues; 22. Legitimate Ruses; 198. Liner Shipping; 51.

#### M

Marine Environment: 21, 123. Maritime Lien: 65, 66, 69, Maritime Security: 4, 7, 12, 13, 83, 124, 126, 127, 141, 144, 153, 206, 209, 214, 216. 217, 221, 222, 241, 261, 266, 277, 280. Maritime Transport; 23, 261, 266, 276. Marshall Islands; 55, 246. Merchant Marine: 30, 43, 44, 45, 47. Merchant Navy; 43, 44, 45, 46. 184. Middle Ages; 41, 161, 251. Ming Dynasty; 172. Mixed Migration; 10. Modern Day: 101. Modern Ports: 251.

#### N

National Jurisdiction: 123.

#### 0

Operational Safety; 19. Overseas Territories; 117, 154.

#### P

Participating Ports; 272.

Persian Gulf; 11, 175.
Piracy Jure Gentium; 209.
Port Security; 10, 249, 257, 258, 259.
Potential Benefits; 19.
Prize Law; 103.
Professional Mariners; 27.

#### R

Rescue Transponder; 232. Risk Management; 258.

#### S

Security Tactics; 14.
Selective Calling; 229, 233.
Ship Includes; 28, 29.
Ship Types; 37, 38.
Somalia Piracy; 212.
Space Segment; 224.
Stability Problems; 49.
Swiss Merchant Marine; 47.
System Architecture; 224.

#### Т

Territorial Waters; 120. Terrorist Threats; 3. Treasure Salvage; 69.

#### U

United Kingdom; 42, 53, 63, 86, 88, 96, 99, 107, 138, 148, 160, 167, 223, 280.

#### V

Vessel Prefixes; 41.

#### W

Water Quality; 255. Women; 188.