

Overview of Current Issues and Future Challenges in Maritime Safety



Koji Sekimizu
Director
Maritime Safety Division
International Maritime Organization (IMO)

Expansion and Globalization

World Seaborne Trade

1960	4,400 Billion ton-miles
2004	27,500 Billion ton-miles

World Fleet (Capacity in DWT)

1960	157 Million DWT
2006	960 Million DWT

Number of ships

1960	36,311
2006	94,936

Expansion and Globalization (contd.)

Registration

	1970	2004
Developed Market Economy	65%	27%
Open Registry	21%	45%

Supply of Seafarers (2005)

OECD Countries	307,000	26%
Other Countries	881,000	74%

3

Major Casualties and Activities of IMO

1960s	1960 SOLAS	
	1966 Load Lines	
	1969 Tonnage	1967 Torrey Canyon
1970s	1973 MARPOL	
	1974 SOLAS	
	1977 Torremolinos	
	1978 STCW	1978 Amoco Cadiz
	1979 SAR	

4

Major Casualties and Activities of IMO (Contd.)

1980s	SOLAS 74 Entered into force	
	World Maritime University	1985 Achille Lauro
	1988 SUA	1989 Exxon Valdez
1990s	New frontiers	
	ISM Code/Air Pollution/Ballast/ PSSAs	1994 Estonia 1999 Erika
2000s	2002 ISPS Code	9/11
		2002 Prestige
		2006 Al Salam Boccaccio 98

5

Expansion of the scope of IMO Measures (last 20 years)

- SOLAS
 - ISM Code management
 - Recognized Organization Flag State Administration
 - IMO Ship Number Scheme management
 - High Speed Craft Code new technology
 - Measures for Bulk Carriers technical needs
 - Measures for Passenger Ships technical needs
 - Maritime Security management
- STCW
 - 1995 Amendments white list

6

Expansion of the scope of IMO Measures (Contd.)

- Operation
 - Ships' Routing/PSSAs
- Security
 - 1988 SUA Treaties/ISPS Code/ 2005 SUA Treaties
- Piracy and Armed Robbery
 - Assembly resolutions and MSC Guidelines
- Stowaway
 - IMO Focal Point
- Persons Rescued at Sea

7

Efficient work at IMO

1. Participation by experts
2. Consultation with the Industry
3. Co-operation with UN Agencies/IGOs
4. Mechanism of actual implementation
5. Global measures
6. Efficient mechanism (meetings, Secretariat)

8

Challenges

1. Development of new measures
2. Implementation
3. Regional/Sub-regional developments and Capacity Building

9

Challenges – Development of New Measures

- Goal Based Standards (GBS)
- Long Range Identification and Tracking System (LRIT)
- E-Navigation (Electronic Navigational Charts)
- Comprehensive Review of STCW Convention
- Formal Safety Assessment
- Ships' Routeing
- PSSAs
- Casualty database for Risk Based Approach
- Casualty Investigation mechanism

10

Challenges - Implementation

- Voluntary IMO Member State Audit Scheme
- Code for Recognized Organizations
- 1993 Torremolinos Protocol

11

Challenges – Regional/Sub-regional Developments and Capacity Building

- Port State Control Regional MoUs
- SAR facilities in African coasts
- Hydrographic capability for ENCs
- Marine Electronic Highway Project
- Regional mechanism to fight against piracy (ReCAAP, Western Indian Ocean)
- Co-operative Mechanism for Malacca and Singapore Straits
- Co-operation among Coast Guards
- Domestic ferries safety issues

12

Trend and Future Directions

- Standardization of national regulations on technical matters
↓
- Forum to adopt international rules and regulations
↓
- New fields:
 - Operational measures
 - Management in the shipping industry
 - Performance of Administrations
 - Technical Co-operation/Capacity building
 - Regional mechanisms