The Centre was formally notified by IMO in April 2019

VISION
To be a Nodal Centre of Excellence for promoting collaborative maritime safety and security; towards a peaceful, stable and prosperous Indian Ocean Region

MISSION
Enhancing Maritime Domain Awareness and coordinating activities, through Information Sharing, Cooperation and Expertise development; along with partner nations
Collaborative Efforts

1. International Liaison Officers
2. Linkages
3. Analysis & Reports
4. Workshops, Seminars, Interactions
5. Operational Inputs
International Liaison Officers

ILOs from 11 Countries deputed at the Centre
Working-Level Linkages

66 International Linkages
PoCs in National Agencies & Multinational Constructs/Centres
Information – Updates & Analysis

- Daily: Updates on website
- Weekly: Weekly Maritime Security Update (WMSU)
- Monthly: Monthly Maritime Security Update (MMSU)
- Half-Yearly: Overview
- Yearly: Annual Report

Communication Channels:
- Email
- Website
- Reports
- Twitter
Interactions - Visits

- US Navy Delegation
- Chief of Navy, Bangladesh
- Commander US Pacific Fleet
- High Commissioner, Australia
- Chief of Navy, France
- Delegation, Kenya NDC
Collaboration and Partnerships of Indian Ocean Information Fusion/ Sharing Centres

29 September 2021

Interaction with Indian Ocean Commission

Goa Maritime Conclave 2021

Djibouti Code of Conduct/ JA

RCOC & MRCC Malé

MILAN 2022
**Piracy & Armed Robbery**

- **Krime & Armed Robbery**

  - **Vessel Status**
    - Underway, 61
    - Anchored, 35
    - Alongside, 20
    - Unknown, 9

  - **Time of Attack**
    - Night, 85
    - Unknown, 7

  - **Weapons Used**
    - No Weapons, 83
    - Knives, 21
    - Guns, 7
    - Machete, 2
    - Steel Bar, 1
    - Rod, 1
    - Axe, 1
    - Unspecified, 3

  - **Incidents**
    - Attempted Sea Theft, 22
    - Illegal Boarding, 2
    - Attempted Sea Robbery, 17
    - Sea Theft, 51
    - Sea Robbery, 17
    - Hijack & Kidnap, 0
    - Suspicous Approach, 15

  - **Weapons**
    - Guns, 7
    - Knives, 21
    - Machete, 2
    - Steel Bar, 1
    - Rod, 1
    - Axe, 1
    - Unspecified, 3

- **Map**

  - **Total Incidents**
    - 33
    - 58
    - 14

  - **Known Locations**

- **Notes**

  - 21 incidents involved usage of knives as a primary weapon

- **Additional Information**

  - **Day, 25**
  - **Unknown, 7**
  - **Alongside, 20**
  - **Unknown, 9**
  - **Underway, 61**
Contraband Smuggling

Golden Crescent & Golden Triangle

Sea Routes Increasingly Preferred

Drugs moving in containers

Types of Contraband Smuggling
- Drugs, 236
- Fuel, 88
- Domestic Products, 79
- Tobacco, 67
- Wildlife, 34
- Natural Resources, 28
- Alcohol, 30
- Weapons, 9
- Others, 5

Drug Smuggling
- West Indian Ocean
  - Amphetamines, 51
  - Cannabinoids, 48
  - Opioids, 31
- East Indian Ocean
  - Amphetamines, 46
  - Ecstacy, 3
  - Opioids, 8
  - Others, 23
IUU Fishing

10 - 23 Bn USD IUU Fishing Globally

Impact on Economy & Food Security

Linked to other Maritime Crimes

Legal Gaps

Poaching

- East Africa, 4
- SE Asia, 94
- West Asia, 4
- South Asia, 59

Local

- South Asia, 30
- SE Asia, 192
- West Asia, 27
- East Africa, 25

Fishing Vessels Involved: 3,027

Fishers Involved: 663

10 - 23 Bn USD IUU Fishing Globally

Impact on Economy & Food Security

Linked to other Maritime Crimes

Legal Gaps
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Impact on Economy & Food Security

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Legal Gaps

Poaching
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- West Asia, 4
- South Asia, 59

Local
- South Asia, 192
- SE Asia, 30
- West Asia, 27
- East Africa, 663
Human migration using maritime routes

Small overcrowded boats & long journeys

Favourable Weather in Mediterranean Region

Inflatable Boats as means of transport

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**Mediterranean Sea**

- SE Asia: 93
- East Africa: 61
- South Asia: 58
- West Asia: 24

**Total**: 967

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**Graph**

- **Boats**: 1469
- **Rescued/Apprehended**: 44,934
- **Smugglers Apprehended**: 455
- **Dead**: 303
- **Missing**: 286

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**Timeline**

- Jan: 107
- Feb: 103
- Mar: 87
- Apr: 114
- May: 85
- Jun: 114
- Jul: 197
- Aug: 202
- Sep: 194
Emerging MARSEC Threats

- Maritime Security Threats (Hybrid)
- Cyber Threats in Maritime Domain
- Marine Environment Pollution
- Climate Change & Security
Maritime Terrorism

From The Sea
Indirect/ Direct attacks ashore from sea

At Sea
Indirect/ Direct attacks against ships at sea

Terrorist Attack on Mumbai by LeT - 26 Nov 08
Bomb blast on MV Super Ferry 14 – 27 Feb 04
Maritime Security Threats (Hybrid)

Conflict Related Incidents

- Mines
- Water Borne IED’s (WBIEDs)
- Remote Controlled WBIEDs
- Aerial Threats
IMO resolution – Cyber Security Risk Management

Most incidents – Ransomware attacks

Recent notable cyber attacks in maritime domain
- HMM – Jun 21
- Transnet – Jul 21
- CMA CGM – Sep 21
- Swire Pacific Offshore – Nov 21
- Ransomware attack at JNPT – Feb 22

Vulnerability of submarine cables
MV WAKASHIO

- MV WAKASHIO ran aground off Mauritius – 25 Jul 20
- 1000 T of fuel leaked into the ocean
- International assistance in cleanup effort – France, India, etc.
MV X-PRESS PEARL

- New Container Vessel – off Colombo, Sri Lanka
- Fire onboard – 20 May 21, Explosion – 25 May, Sank – 02 Jun
- Plastic Pellets, hazardous Chemicals & bunker oil onboard
- Indian firefighting, pollution control and survey assistance
Maritime Security Threats (Hybrid)

05 incidents involved destruction of Water Borne Improvised Explosive Devices (WBIEDs), all in Red Sea.

01 each incident of a missile landing in Red Sea and destruction of mines were recorded in the Red Sea.

01 incident of motorboat Explosion in Philippines Sea.

Marine Environment Pollution

13 incidents of oil spill (four each from leaking pipelines and sunk/aground vessels and one incident involved a leak during ship-to-ship transfer).

02 incident each (large number of detergent bags washed ashore and 100 packets of cooking oil) at Muscat Beach, Oman and Riau, Indonesia.

Cyber Security Incidents

01 incident of ransomware attack recorded at Jawaharlal Nehru Port Trust (JNPT), Mumbai, India.

Others

09 vessels reportedly detained in the Red Sea (likely conflict related incidents).

01 incident involved facilitation of crew landing ashore by Thai authorities.
Conclusion

Collaboration is the key…