SESSION 3

“ESTABLISHING NMISCs AS THE FOUNDATION FOR THE DCOC ISN”

CASE OF NMIFC

MADAGASCAR EXPERIENCE

Presented by

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Head of NMIFC Madagascar
AGENDA

1. MADAGASCAR MARITIME PROFILE

2. THE DEVELOPMENT OF A NATIONAL MARITIME FUSION CENTER (NMIFC)

3. PROPOSITION FOR PROMOTING EXCHANGING AND SHARING MARITIME INFORMATION FROM NATIONAL TO REGIONAL LEVEL
1. MADAGASCAR MARITIME PROFILE
MARITIME POTENTIAL ACTIVITIES:
- Maritime transport
- Fishing activities
- Maritime tourism
- Marine Scientific Research
- Maritime offshore mining
Maritime issues

- Maritime safety and security issues impacting the national economy and the marine environment

- Multiplicity of ministries and agencies in charge of the maritime field: 12 ministries, stove piping approach, non cooperation, etc.
2. THE DEVELOPMENT OF A NATIONAL MARITIME FUSION CENTER (NMIFC)
THE STEPS

- National dialogue

- Learn from foreign experiences (IFC Singapore and UK NMIC)

- Legal and technical development
The National Maritime Information Fusion Center
• **Statute** : Administrative Public Institution

• **Legal basis:**
  Decree n° 2015-998 on 23 June 2015 related to creation and organization of the MIFC modified and complemented by the Decree n° 2016-1446 on 29 November 2016.

• **Main goal:**
  To identify and to assess in advance potential maritime risks within Madagascar maritime space in order to establish an advanced alert.
NMIFC: An interagency organization

- Private sector and NGOs in the maritime field
- Environment
- Home Affairs
- Scientific Research
- Tourism
- Energy and mining
- Fisheries
- Land and Maritime Spatial Planning
- Telecommunications
- Customs
- National Police
- Foreign Affairs
- National Defence
- Maritime transport and meteorology
- Prime Minister Office (CPGU, COMINT BDR, CICLD, SNOLT, CILMI)

DCOC/JA HIGH LEVEL MEETING
On the basis of MOU, nomination of a National Liaison Officer and the secondement of permanent and non permanent personnel to the center.

12 ministries + Private Sector

BOARD OF DIRECTORS

MINISTRIES AND GOVERNMENTAL AGENCIES, NGO AND PRIVATE SECTOR OPERATING IN THE MARITIME FIELD

GENERAL DIRECTORATE
## Interagency Human Resources

### PERMANENT SECONDEMENT
- Navy
- Air Force
- Army
- National Police
- National Gendarmerie
- Custom

### PART TIME PRESENCE
- Navy
- Air Force
- Fisheries Surveillance Center
- Ministry of Environment, Ecology and Forest
- Geographic and Hydrographic National Agency
- General Directorate of Meteorology
- Ministry of Transports, Tourism and Meteorology

28th June 2022
NMIFC AREA OF INTEREST

- 5,000 km of coastline
- 253 islands and islets
- 111,120 km² of territorial sea
- 1,270,000 km² of EEZ
- 860,900 km² of Continental Shelf

28th June 2022
DCOC/JA HIGH LEVEL MEETING
MISSION OF THE NATIONAL MARITIME INFORMATION AND FUSION CENTRE

To collect, fuse, and analyse maritime information

To maintain a recognized maritime picture (RMP)

To establish national Maritime Situational Awareness

To produce reports and studies related to maritime safety and security as well as the maritime field in general.

Provide operationally significant maritime information to National Agency, institution, organism and entity having the mission to coordinate and plan Operations at sea

28th June 2022

DCOC/JA HIGH LEVEL MEETING
Considering maritime threats under 12 PIRs instead of 13 PIRs

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<td>1</td>
<td>Violent Acts at Sea</td>
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<td>Illegal, Unregulated and Unreported Fishing (IUU Fishing)</td>
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<td>3</td>
<td>Illegal Migration/ Human Trafficking by Sea</td>
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<td>Drug and Small Arms Trafficking/ Smuggling by Sea</td>
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<td>Weapon Proliferation (PSI)</td>
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<td>Natural Events and HADR</td>
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<td>Yachting and Maritime Tourism</td>
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<td>Marine Environment</td>
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<td>Maritime Cybercriminality</td>
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<td>12</td>
<td>Others</td>
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**Maritime Safety & Security**

**Blue Economy**

**Marine Environment Protection**
Working process

INPUTS
- Collect of Informations
- Fusion of Informations
- Analysis of Informations

FUSION & ANALYSIS
- Production of a RMP
- Production of deliverables (VOI, Alerts and Reports)

OUTPUTS

SHARING

MARITIME OPERATORS
- MARITIME ANALYSTS & TECHNOLOGY
- IORIS
- CRIMARIO

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DCOC/JA HIGH LEVEL MEETING
Sources of informations

- National Liaison Officers
- Representatives of national departments at the MIFC

Electronic and satellite sources of informations

Human sources of informations

Network of correspondants (NGOs, Maritime Industry, etc.)

Witnesses on land

+ National MOCs (Navy, MRCC, DRMB, FSC, etc.)

VCR
DELIVERABLES OF THE NMIFC

Daily Maritime Information Bulletin

SITUATION DU TRAFIC MARITIME ET PORTUAIRE
(Par CFIM – Madagascar)
23 AOUT 2019

Recognized Maritime Picture

MSS Weekly Report

MSS Monthly Report

28th June 2022
DCOC/JA HIGH LEVEL MEETING
MARITIME AWARENESS SYSTEM (MAS)

EXACT EARTH

- Acquisition of information on suspicious vessels, suspicious appointments and satellite images (Sentinell 1,2,3)
- Collection of maritime intelligence/information in the framework of the fight against IUU fishing
- Strengthening maritime transparency
- Use as an alert tool for real time knowledge of suspicious presence
- Pre-detection of IUU fishing related activities

SEAVISION

AIS INFORMATION
75% of ship detection ensured

NMIFC ACTUAL OPERATIONAL CAPABILITIES

INFORMATION SHARING PLATFORMS

IORIS 2.0

MERCURY

28th June 2022

DCOC/JA HIGH LEVEL MEETING
Madagascar link to the RMIFC

ICC General Area of Interest for maritime safety and security of Gulf of Guinea

RMIFC General Area of Interest

IFC Singapore General Area of Interest

ESGA-IO REGION

28th June 2022

DCOC/JA HIGH LEVEL MEETING
NATIONAL LEVEL

• Establishing a strong national ISC

•Combining the « need to know » and the « need to share » approaches

• Building trust through dialogue (Political, interministerial and interagency)

• Establishing the legal and the technical components (Start from what you have)
REGIONAL LEVEL

1. OPERATIONAL LEVEL: «Building a network of NISC and ISCs within DCoC»
   - Designation by each Member State of a National Reference Centre within the framework of the establishment of the ISC regional network
   - Standardization of national centers in terms of equipment, in order to reach the technical terms of reference as a reference center for the exchange and sharing of maritime information
   - Developing SOPs and putting in place a common platform for exchange and sharing of maritime information
   - Establishing a common environment (COMM PLAN) and promoting dialogue and info sharing (TTX, FTX, conference, trainings)

2. STRATEGIC LEVEL: «Establishing an adequate regional framework»
   - Promote bilateral or multilateral dialogue in order to develop a culture of exchange and sharing of information and thus overcome the challenges identified and encountered by each Member State
   - Promote regional and international cooperation
   - Develop National/Regional MARSEC Strategy
   - Encourage regional framework in terms of exchanging and sharing maritime information to combat maritime security and safety threats with others regional IFC in the region
Questions?

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