IMPLEMENTATION OF THE STRATEGY AND ROADMAP FOR THE ENHANCEMENT OF THE DCOC/JA INFORMATION SHARING NETWORK

BY

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CHAIR: WG1

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**BACKGROUND/CONTEXT TO THE ISN ROADMAP**

- DCoC Information Sharing Network - initially envisioned with a counter-piracy focus.

- On signing of the DCoC (JA), the focus of the ISN shifted: Deterrence, Detection, Disruption and Prosecution of a wide list of maritime crimes.

- International maritime security assets are diminishing following the decline of piracy, thus creating an urgency to establish regional capabilities for other maritime crimes.

- Recent geopolitical events have significantly influenced shipping patterns and vulnerabilities in the region. (Red sea and other areas threats)
VISION OF THE ROADMAP

• Establishment of National Maritime Security Committee structures and operationalisation of National Maritime Information Sharing Center (NMISC).

• Sharing information through NMISCs.

• MOUs between the Friends of the DCoC JA.

• Enhanced capabilities by regional centres to distinguish patterns in illicit maritime activities and support disruption of maritime crime by guiding regional policy decisions.
OUTPUT OF DJIBOUTI WORKSHOP
held 13-17 March 2022

• Development of planning tools to assist member states in developing National Information Sharing Centres (NMISCs).


• Discussion of recommendations to WG1 on the implementation of the ISN Strategy and Roadmap.

• Recommendations on operationalization of the DCoC ISN (National Centres, Regional Centres and International Partners).
PLANNING GUIDANCE

• Increasing deterrence, disruption and prosecution for illegal maritime activities:
  ➢ Tailoring Maritime Domain Awareness for Priority Security Challenges.
  ➢ Ensuring Accountability for Maritime Crimes.

• Identifying lead and supporting Agencies (Nationally) involved in maritime crimes.

• Notional manning and communications for National Maritime Information Sharing Centres (NMISCs).

• Information Flow - DCoC Information Sharing Network (ISN) interaction with regional and international networks.
<table>
<thead>
<tr>
<th>Threat/Challenge</th>
<th>Tailored MDA (Systems Used to Detect)</th>
<th>Legal Finish / Accountability/Prevention</th>
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</thead>
</table>
| IUU Fishing               | Automated Identification System (AIS)  
Vessel Management System (VMS)  
Patrols (Vessels, Aircraft and Drones)  
Land-Based Radar  
Cooperation with NGOs (e.g. Global Fishing Watch)  
Community of Reporting (Coastal and Fishing) | Prosecution (Incarceration)  
Civil Penalties/Fines  
Suspend Licenses for Fishing  
Confiscation of Fishing Equipment or Vessels  
Prosecution under Environmental Laws (Protected Species)  
Detention of Vessel Awaiting Charges (e.g. 30 Day Detention) |
| Maritime Terrorism        | Automated Identification System (AIS)  
Human Intelligence  
Analysis of Political/Military Changes  
Small Vessel Tracking  
Confidential Networks  
Community of Reporting (Coastal and Fishing) | Prosecution (Ideally under Special Terrorism Laws)  
Special Laws to disrupt attacks (conspiracy, imminent attack)  
Stopping Sources of Finance or Money Laundering  
Ratification and Domestication of Treaties (e.g. SUA)  
Enforcement of ISPS Codes  
Messaging and support in vulnerable communities |
| Narcotics                 | Automated Identification System (AIS)  
Human Intelligence  
Tracking Dual-Use Narcotics (e.g prescription drugs)  
Info-sharing across regional partners  
Intelligence sharing with international agencies | Prosecution (Not always possible on the high seas)  
Confiscation/Destruction of Cargo  
Confiscation/Destruction of Transport (e.g. yachts, dhows)  
Customs violations  
Messaging consequences to potential violators |
| Human Trafficking/Smuggling | Visible Sighting of overloaded vessels  
Information from VBSS boardings  
Cooperation with regional partners  
Cooperation with international partners | Arrest and Prosecution of Trafficking Networks (not victims)  
Repatriation of Smuggled Persons  
Cooperation with IOM for training/procedures to be used  
Coordination with destination countries to support victims  
Messaging to counter claims of human traffickers |
| Pollution/Environmental Damage/Dumping | Automated Identification System (AIS)  
SAT-SAR (Satellite Radar)  
Reports from fishers or other mariners  
Maintained Database of Violators  
Cooperation with INTERPOL  
Emergency table-tops to identify vulnerabilities  
Cooperation and reporting across agencies  
Capability to assess and collect evidence | Criminal Penalties (not necessarily for crew)  
Civil Penalties and Fines  
Ensuring Restitution for:  
- Cleanup and containment costs  
- Damage to environment  
- Loss of Livelihoods  
Ensuring that Conventions are ratified to allow for restitution |
# Identifying Lead and Supporting Agencies Involved in Maritime Crimes

## Agency - Lead Agency and Supporting Agency

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Navy</th>
<th>Maritime Police</th>
<th>Intelligence Service</th>
<th>Fisheries Authority (Ports)</th>
<th>Immigration</th>
<th>Coast Guard (Safety)</th>
<th>Pollution</th>
<th>Terrorism</th>
<th>Transport</th>
<th>Maritime Admin (Ports)</th>
<th>Environment</th>
<th>Customs</th>
<th>Foreign Affairs</th>
<th>Justice</th>
<th>Fed Police</th>
<th>Labor</th>
<th>Agriculture</th>
<th>Tourism</th>
<th>Central Govt</th>
<th>Health</th>
<th>Civil Emergency</th>
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<td>IUU Fishing</td>
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<td>Maritime Terrorism</td>
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<td>Pollution/Environmental Damage/Dumping</td>
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<td>Safety of Life at Sea (SOLAS)</td>
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**Legend:**
- **Lead Agency**
- **Supporting Agency (Upper)**
- **Supporting Agency (Lower)**
- **Consulted Agency**
NOTIONAL MANNING AND COMMUNICATIONS FOR NATIONAL MARITIME INFORMATION SHARING CENTRES

SAT COM
3G/4G/GSM
VHF VOICE
PHONE/MOBILE
CENT IT

NATIONAL CENT (TACTICAL)
NAVY
Coastguard HQ
MARITIME/PORT AUTHORITIES

MARITIME POLICE HQ
VMS

MERCURY
NATIONAL CENT (TACTICAL)

DEPT OF FISH

POLICE INFO SYS

WHITE SHIPPING
Radar

GMDSS

NARCOTICS
IMMIGRATION
DEPT FOR THE ENVIRONMENT
POLLUTION
DEPT OF TRANSPORT

JUSTICE DEPT

CUSTOMS
HEALTH DEPT
AVIATION

FOREIGN AFFAIRS
TOURISM
CIVIL DEFENCE
NATL INT SERVICE
RECOMMENDATIONS RELATED TO THE INFORMATION SHARING STRATEGY AND ROADMAP

- Develop Milestones for National Maritime Information Sharing Centres (NMISCs):
  - Establish benchmarks for “Initial Operational Capability” (IOC) for each category of the assessment grid areas.
  - Aspirational goal for all NMISCs to reach IOC within 2 years.
  - Explore opportunities to include the DCoC ISN in operational activities (e.g. incident reporting, exercise participation, threat analysis, etc)

- Refine NMISC Assessment Procedures (For Consideration):
  - Nation conducts Self-Assessment to determine achievement of IOC (based on proposed minimum benchmarks)
  - Nation notifies WG1 of IOC attainment for NMISC.
  - WG1 coordinates independent assessment for NMISC to guide attainment of full capability (Nation determines releasability of assessment).
RECOMMENDATIONS RELATED TO THE INFORMATION SHARING STRATEGY AND ROADMAP (Continued)

• Begin to focus efforts on pro-active aspects of ISN:

  ➢ Develop and share threat analyses through national and regional centres.
  ➢ Develop “Pattern of Life Analysis” to increase efficiency of NMISCs.
  ➢ Consideration of Geopolitical aspects that may affect maritime security in the Indian Ocean.

For Working Group 2 (Capacity Building)

  ➢ Consider to align Capacity Building Matrix with attainment with IOC for NMICs.
  ➢ Focus priority efforts of Friends of the DCoC with attainment of IOC.
<table>
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<tr>
<th><strong>Proposed Requirements for Initial Operating Capability</strong></th>
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<tbody>
<tr>
<td><strong>Proposed Minimum Benchmark</strong></td>
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</table>
| **Doctrine and Concepts** | Executive authority required to develop an NMISC  
• Supporting legislation if necessary | Executive authority and supporting Legislation should be the minimum required for initial operating capability  
• Authority should emphasize multi/inter-agency investment with one as lead (governance and law enforcement) |
| **Infrastructure** | Room for NMISC  
• Internet  
• Telephone  
• Data storage  
• Physical Security Access control  
• Access to national / regional news | Room big enough for core team (Does not need to be a new/dedicated building)  
• Lighting / Power (Generator back up) / AC (if required) / Bathroom (plumbing) / Water  
• Good (stable) Internet  
• (ability to look at open source)  
• Bandwidth to support hosted ‘departmental systems’  
• Landline and / or Mobile phone connectivity  
• If required:  
• (majority of information handled is unclassified)  
• Departmental hosted systems will provide initial capability  
• Desirable but not essential – could be part of shared facility  
• E.g. Streaming / Television (to capture regional news broadcasts) |
| **MDA Capability** | Information / Communications – should be a Secure / Recordable information system  
• Internet based conferencing facilities with provision for ‘internet / virtual’ conferencing | There is a need to keep historical records / data:  
• Formal messaging to capture records  
• Social media sufficient for immediate comms but must be formally recorded for legal investigations etc.  
• Data Records – narrative – eg ships log etc.  
• List of all telephone numbers and email addresses  
• All national agencies  
• All international partners  
• Test and verify regularly – period of operation (24/7 – daily working etc.)  
• Not physical meetings rooms. Online conferencing function. Cost effective. |
<table>
<thead>
<tr>
<th>Minimum Benchmark</th>
<th>Remarks</th>
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<tbody>
<tr>
<td><strong>Organisation</strong></td>
<td><strong>Human resources to enable eventual 24/7 manning</strong></td>
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<td>•</td>
<td>• Goal to achieve 24/7/365</td>
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<td>• Max. hours will be based on personnel available</td>
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<td>• Potential for reduced initial operating hours</td>
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<td>• Expand hours of business to 24/7/365 at an early stage</td>
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<td><strong>Information</strong></td>
<td>• Satellite AIS (SAIS) – Coastal AIS (AIS)</td>
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<td>• Dedicated service(s) or access through existing platforms.</td>
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<td>Commonly used platforms in the region include:</td>
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<td>• SeaVision</td>
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<td>• IORIS</td>
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<td>• Private systems already within national ownership</td>
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<td>• Access to Vessel Management System not necessary within the NMICS but should be easily accessed by NMISC personnel</td>
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<td>•</td>
<td>• Commonly used reporting/collaboration systems include: VHF – GSM – IORIS – Email</td>
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<tr>
<td><strong>Interoperability</strong></td>
<td>• External Organisation / Exchange/Interface</td>
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<td>Share with international community</td>
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<td>•</td>
<td>• Existing national agency systems to start + centre narrative</td>
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<td>•</td>
<td>• How to share with international community to advise of and incident etc. – post on a regional system (such as MERCURY / IORIS</td>
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<tr>
<td>•</td>
<td>• Highly recommended that national centres have access to collaborative system (e.g., such as commonly used platforms including MERCURY, IORIS, SEAVISION)</td>
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<tr>
<td><strong>People</strong></td>
<td>Professional experience / Language (Maritime English proficiency)</td>
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<tr>
<td><strong>Training</strong></td>
<td>How to work together – it will be the job for leadership of the centre to bring their team together</td>
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<td>• Train on common SOPs, Training cycle – Generic/Operational Experience and training level as appropriate</td>
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<td><strong>Logistics</strong></td>
<td>Sufficient funding to ensure operation of the centre</td>
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<td>• Centre should be championed by lead agency, but supported by multiple agencies to ensure adequate and stable funding.</td>
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</tbody>
</table>
Establish Initial Operating Capability for NMISCs

Full Capability Benchmarks (NMISCs)

Initial Capability for DCoC ISN

First Operational Test of DCoC ISN Est 2024

Full Operational Capability for NMISCs

Outside Assessment - Notification to WG1

Full Operational Capability for DCoC ISN

DCoC ISN becomes primary Est 2026

Proposed IOC Benchmarks (NMISCs)

Self Assessment - Notification to WG1

All 20 NMICs at IOC

All 20 NMICs at Full OC

Full Operational Capability for NMISCs

MILESTONES TO OPERATIONALIZING THE DCoC ISN
If you want to go fast, go alone. If you want to go far, go together.

- African Proverb