Office of Global Maritime Situational Awareness

Capt. George E McCarthy, USN
October 27th 2009
**1. REPORT DATE**
27 OCT 2009

**2. REPORT TYPE**

**3. DATES COVERED**
00-00-2009 to 00-00-2009

**4. TITLE AND SUBTITLE**
Office of Global Maritime Situational Awareness

**5a. CONTRACT NUMBER**

**5b. GRANT NUMBER**

**5c. PROGRAM ELEMENT NUMBER**

**5d. PROJECT NUMBER**

**5e. TASK NUMBER**

**5f. WORK UNIT NUMBER**

**6. AUTHOR(S)**

**7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)**
National Maritime Domain Awareness Coordination Office, Office of Global Maritime Situational Awareness, Washington, DC, 20593-0001

**8. PERFORMING ORGANIZATION REPORT NUMBER**

**9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)**

**10. SPONSOR/MONITOR’S ACRONYM(S)**

**11. SPONSOR/MONITOR’S REPORT NUMBER(S)**

**12. DISTRIBUTION/AVAILABILITY STATEMENT**
Approved for public release; distribution unlimited

**13. SUPPLEMENTARY NOTES**
Maritime Domain Awareness and Counter Piracy, 26-29 October 2009, Ottawa, Canada

**14. ABSTRACT**

**15. SUBJECT TERMS**

**16. SECURITY CLASSIFICATION OF:**

<table>
<thead>
<tr>
<th>a. REPORT</th>
<th>b. ABSTRACT</th>
<th>c. THIS PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>unclassified</td>
<td>unclassified</td>
<td>unclassified</td>
</tr>
</tbody>
</table>

**17. LIMITATION OF ABSTRACT**
Same as Report (SAR)

**18. NUMBER OF PAGES**
16

**19a. NAME OF RESPONSIBLE PERSON**

*Standard Form 298 (Rev. 8-98)*

Prescribed by ANSI Std Z39-18
Policy Evolution...


Who is OGMSA?

A multi-agency office responsible for effective access to maritime information and data critical to building maritime awareness.

Vision: Global maritime information exchange to improve decision making.
Why Maritime Information Sharing?

Do you have the information you need to do your job effectively?

Forge a culture of collaboration
Three-pronged Approach

Outreach & Coordination

Data Sharing & Infrastructure

Policy

Technology

Maritime Information Exchange
Current Initiatives Involving GMSA

Technology
- Maritime Security Inter-Agency Policy Committee
- MDA Executive Steering Committee
- MDA Stakeholders Board
- Inter-Agency Investment Strategy
- Marine Spatial Planning

Policy
- Information Sharing Hubs (Vessel Cargo/People/Infrastructure)
- Architecture Management Hub
- Single Web Portal to MDA Information
- Information Sharing Dispute Resolution

Relationships
- Maritime Safety and Security Information System
- IALA.NET
- Space Based AIS

- Global Maritime Information Sharing Symposium
- Global Maritime Partnership
- MDA Web Presence
Interagency Policy Coordination

President of the United States

National Security Council

Maritime Security Interagency Policy Committee

Office of Global Maritime Situational Awareness

U.S. Maritime Domain Awareness Stakeholders Board
Increasing & Coordinating Data Sharing

... coordinate information flow for subject areas domestically and internationally and facilitate information and data sharing.*

* US National Concept of Operations for Maritime Domain Awareness
Oceans Hub Concept

Available Information

GMCOI QUESTIONS

Oceans Hub SMEs

Task Force on Global Warming

Oceans Policy

Arctic Policy

Collaborative Analysis

C2

www.gmsa.gov
A non-classified, multi-lateral, freely shared data network exchanging AIS data between participating governments. Data is:

- Shared in original form, unaltered
- Distributed in near real-time
- Contributed by a Nation to obtain a more global picture
- Protected by commercially accepted Internet standards.

Now establishing an International Governance Board to include global Regional Representatives.

* A tool for building trust among nations. *
IALA’s “Network of Networks”

IALA
Global Maritime Data Sharing Committee

In advisory role to and between each regional AIS data exchange network providing guidelines and protocols for their inter-connection

Examples of Existing Regional Data Sharing Networks

“AIS Live”
UK

“MSSIS”
US/NATO

“EMSA”
EU

“HELCOM”
Denmark

“ReMix”
Singapore

“MSA”
China

AIS, Radar, VTS, E-Navigation, Notice to Mariners …
Cargo Delivery Window = Sept 05-07 in Boston
Cargo remains Unsold & Market Prices are falling
(where $.01 in price = $30,000 change in revenue)

Please hold while we:
Ask for more information
Form a convoy
Decide the Policy
Connect your call...

$100,000+ per day (CAPEX+OPEX)
138,000 cbm of Liquefied Natural Gas
= approx 3 million BTU of energy
Average Speed of 19 knots

138,000 cbm of LNG = approx 3 million BTU of energy
Ensuring industry perspectives in maritime policy.
Who Benefits from Info Sharing?

Greater information sharing across: Weather data, Stock Exchanges, Cash Machines, Cellular, GPS, Air Traffic each resulted in:

- Exponentially greater benefits than originally envisioned.
- Greater security through global standards.
- Greater awareness & recognition between friend and foe.

So why not in the maritime world?

Maritime Safety: Broader, more cooperative & efficient search & rescue.

Environmental Protection: Replay of vessels transits = focused enforcement.

Commercial Efficiency: Reduced fuel usage, carbon emissions, delay costs and improved port through-puts.
Mutual Beneficial Awareness…