

8 TH ASEAN REGIONAL FORUM INTER-SESSIONAL MEETING ON MARITIME SECURITY

Building Maritime Shared Awareness in Southeast Asia

DEFINING A MARITIME INFORMATION SHARING ENVIRONMENT THROUGH COMMON DATA STANDARDS AND ARCHITECTURAL UNDERSTANDING

Mr. Frank Sisto

Technical Advisor, United States Department of Defense Office of the Department of Defense Executive Agent for Maritime Domain Awareness



COMMON SHARING CONCERNS

• COMMON QUESTIONS

- Can I? Do I have the technology or resources to share?
- May I? Do I have supporting policies or guidance?
- Should I? Is it in the best interest of my government or agency?
 - An often misunderstood part is "what" to share. More (everything) is rarely better

Building Trust

- Define a common architectural plan
 - Clear definitions of what will be shared, how it will be shared and with whom it will be shared
- Share commonly available information to build confidence
 - Allows partners to focus on what sharing best supports their missions, not on technology or process



Where To Start

Successful information sharing activities are the result of operational, information and technological understanding achieved through a well-defined and routinely implemented processes

- 1. Describe the operational use case being supported
- 2. Identify the specific data elements required to support the use case
- 3. Develop a standard definition, model or product for the information to be shared
- 4. Identify any legislative or policy driven constraints
- 5. Implement appropriate controls to ensure proper management
- 6. Implement and monitor the sharing service



DEFINING THE MISSION

MULTIPLE MARITIME MISSIONS

- Illegal Maritime Migration
- Illegal, Unreported, Unregulated Fishing (IUUF)
- Maritime Security
- Piracy, Sea Robbery

THE MISSION DEFINES THE EFFORT

- Keep focused on the mission requirements
- Address the missions one at a time, *not* all at once

Define Operational Use Cases

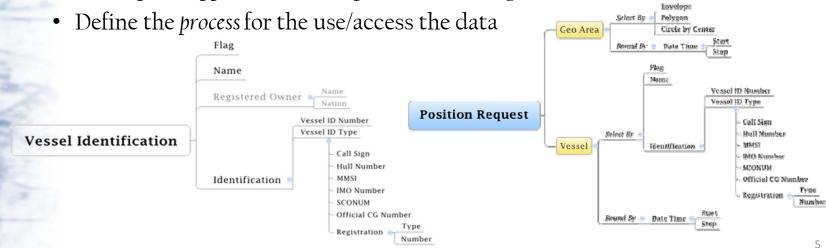
- Avoid broad ideas like "improve maritime security"
- Ensure legal and policy concerns are identified

MSA IS THE RESULT, NOT THE MISSION



UNDERSTANDING THE DATA

- Understand Every Element
 - Ask "What's the decision point?" for every element
 - Understanding why the element is being shared often redefines its need or use
 - Refines the priority/importance of the data
 - Simplifies application of laws, policies and sharing controls





ACHIEVING RESULTS

MSA Information On A Continuum

• Somewhere between the sensor and the decision maker

• ROUTINE, REPEATABLE RESULTS

- The strength of MSA efforts is in routine use and repeatable implementation
- Routine use builds confidence and then trust
 - Enables more meaningful sharing when required

• INCREMENTAL GROWTH

- Few partners will support leaps in capabilities
 - Manage growth to allow policies and resources to keep up
- Build trust slowly

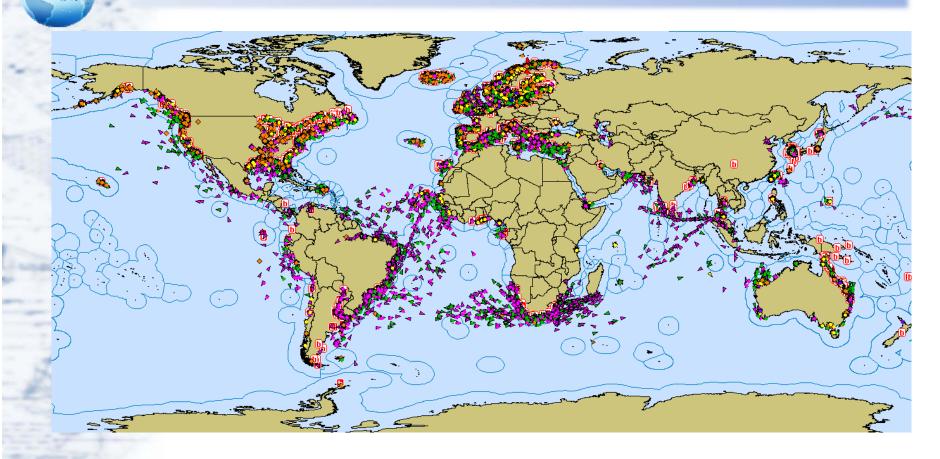


PLANNED GROWTH

AN EXAMPLE OF LONG TERM PARTNERSHIP PLANNING

- BASIC UNDERSTANDING / LOW COST (1+ YEARS)
 - Maritime Safety and Security Information System
 - 74 participating nations
- ADD CAPABILITIES W/ MATURITY (2-7 YEARS)
 - APAN and SeaVision
 - User defined/selected capabilities and data
- MATURE PARTNERS (5+ YEARS)
 - Transition to local/regional tools
 - Partner assumes cost to participate
 - Possible expansion to other systems/programs
 - Partner defines their own processes

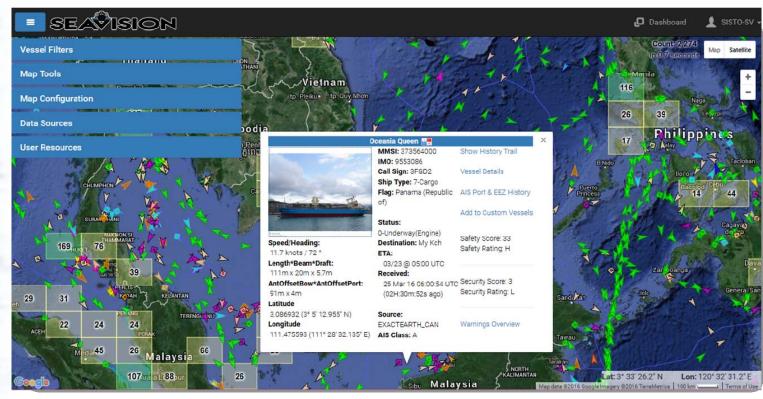
MARITIME SAFETY AND SECURITY INFORMATION SYSTEM





BRINGING IT ALL TOGETHER

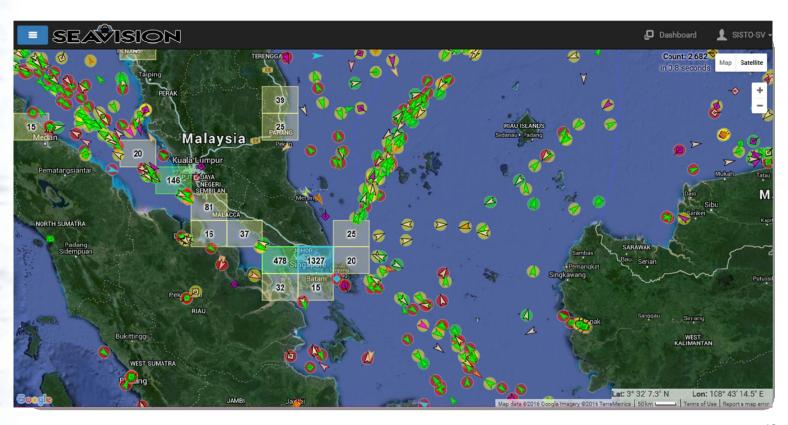






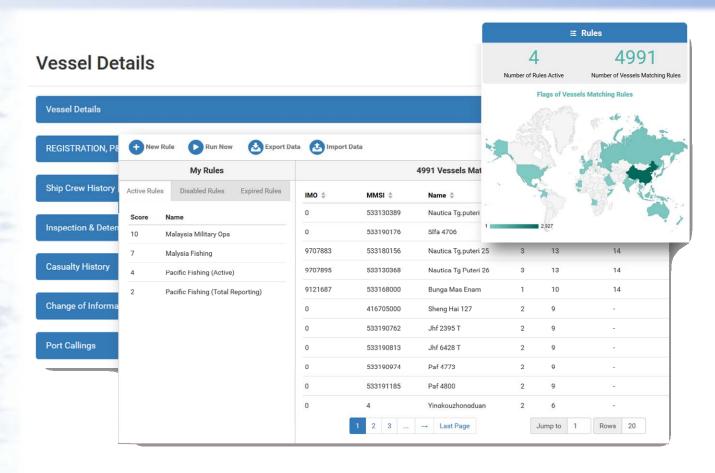
AUTOMATED RISK ASSESSMENT







RULES BASED NOTIFICATIONS





MOVING FORWARD

- UNDERSTAND WHERE YOU ARE ON THE MSA CONTINUUM
 - What is your agency/office/program trying to do?
 - What are YOUR priorities?
- SMALL STEPS AGREE ON THE BASICS
 - Mission, Objectives, Decisions, Data, Constraints
- DOCUMENT EVERYTHING EARLY
 - Develop draft documents to review. Discuss documents, not ideas
- IMPLEMENT SOMETHING, ENABLE THE FUTURE
 - Implement basic sharing of common information to enable future sharing when the needs arises

