



What is SeaVision?

SeaVision is a low cost, web-based maritime situational awareness tool where users can view and share a broad array of maritime information to improve maritime operations.

SeaVision automates managing information using rules-based analytics to evaluate and identify user defined maritime activities or events.

SeaVision can quickly add, process and correlate multiple data sources to meet changing mission needs, including detecting and monitoring possible IUU fishing activity.

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UNITED STATES DEPARTMENT OF TRANSPORTATION

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Background

Increasing maritime security and building partnerships within the maritime community is enabled through the use of unclassified information sharing capabilities. *SeaVision* provides a web based unclassified maritime information sharing and management environment.

SeaVision delivers a user friendly interface for viewing a broad array of maritime information. To assist the user in managing information, *SeaVision's* user defined, rules-based analytics evaluate and notify the user of defined maritime activities or events. The results of those analytics can then be shared with other authorized *SeaVision* users or exported as a standardized, formatted product.

Aligning With National Guidance

The use of National Information Exchange Model (NIEM) conformant exchanges allows *SeaVision* to rapidly integrate new data sources. Through the use of predefined user attributes and security controls *SeaVision* ensures users are only given access to data appropriate for a specific mission, function or community.

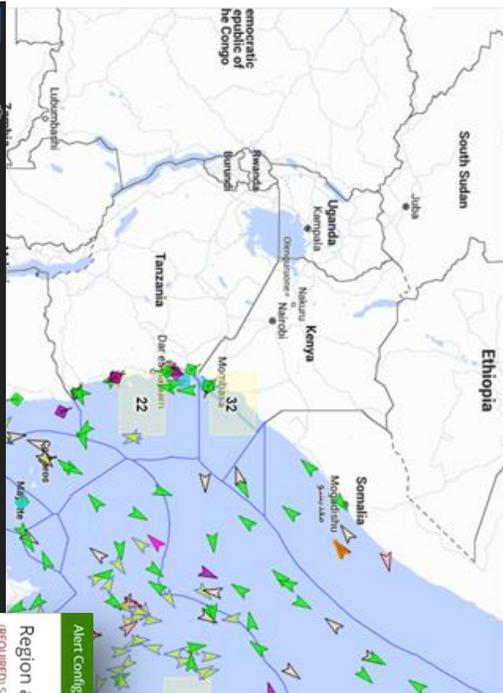
Value

SeaVision provides:

- Low cost, internet delivered information visualization and management tool
- Standardized attribute based access controls for managing user content
- The ability to quickly add and provide new data sources

SeaVision supports both system and user defined business rules. These rules are run against near real-time and static maritime information. Business rules can be saved and used for:

- *Search*: User initiated single execution of business rules or an ad-hoc query.
 - *Warning*: Scheduled execution of system defined business rules defined by U.S. Coast Guard Port Security Matrix. Warnings include user defined weighted scores.
 - *Alerts*: Scheduled execution of business rules against near real-time information. Users can be notified of an alert through the user interface or email.
 - *Notification*: Scheduled execution of business rules with user defined weighted scores. The results of the notification scoring are available via a user customizable *SeaVision* interface.
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Dashboard

- Summary
- Rules
- Alerts
- Warnings
- Tutorial

Rules

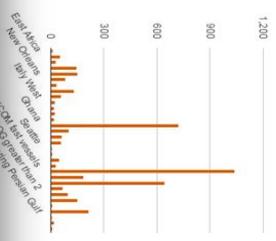
Number of Rules Active: 4

Number of Vessels Matching Rules: 5475

Alerts

Number of Alerts Active: 43

Number of Vessels Matching Alerts: 3353



Alert Configuration Wizard

(REQUIRED) Set up your ROI and criteria in this section.

ALERT NAME:

Alert of guinea ROI

POLYGON: Report

CRITERIA:

Trigger on:

- ENTERING ROI
- EXITING ROI
- WITHIN ROI

Join rules using:

- AND
- OR

VESSELTYPES: Fishing

DESTINATION: Tema

Alerting Options

(OPTIONAL) Set up the alert target email and update interval.

Save Alert

Vessel Filters

Filter by Vessel Type:

- Cargo
- Fishing
- Treasure Craft
- Tanker
- Pilot
- Search & Rescue
- Passenger
- Towing
- Law Enforcement
- Sailing
- Big Tow
- All Other
- Unknown
- Tug
- Military
- Dredge
- Anchored
- Underway

Quick Filter:

On-Screen Information:

Display: Vessel Names

Warning Circles: High Medium Low

Other Indicators: By Rules By Alerts Custom Vessel Trails By Custom Vessels

Map Tools: Custom Vessel List Reception Report

Main Configuration: Data Sources User Resources

Active Rules

| Score | Name | Rules Score | Risk Score |
|-------|---------------------------------------|-------------|------------|
| 9 | Charleston vessels w/ length o... | 21 | - |
| 3 | Destination Lorne | 15 | 7 |
| 4 | Destination San Diego | 15 | - |
| 15 | Vessel with MMSI 477552000 | 14 | 14 |
| 13 | Fishing vessels heading to Se... | 14 | - |
| 10 | American cargo vessels | 12 | 18 |
| 2 | UK passenger vessels | 12 | 14 |
| 2 | Start with 657 | 12 | 23 |
| 12 | this is a really really really rea... | 12 | - |

101 Vessels Matching Your Rules

SeaVision Services developed by GRMAD System Center, Pacific



Sample Sea Vision Display