Maritime Situational Awareness (MSA)

Concept, challenges and perspectives
MSA Fundamentals: concept and challenges

The European landscape of MSA projects

Getting every actor onboard: way ahead and perspective, the French SPATIONAV system.
Risks and Threats
Numerous existing systems

Different information for different needs?

Information / Intelligence dilemma
Suspect on board visited 14/05/2002
Etc…

Information

Layer Intelligence (Info) :
Information/Classification, Intel, user oriented

Layer info/tracking (Data)
Identification/tracking/Information

Picture:
Mass information: WORLDWIDE

DATA BASE

“Ships”

“Tracks”

MARITIME PICTURE

ITERATIVE PROCESSES

= RMP

Reference situation

General anomalies detec.

Sensors tracking:

THEATER

Theater knowledge

Local anomalies detec.

Non classified => Highly classified

Mainly non classified => Restricted

NON REAL TIME (24h)

NEEDED TIME (min)

FRENCH NAVAL HQ
Network Enabled capability
Compatibility with existing systems
Open and service oriented architecture
Combination of Structural and legal solutions for information exchange
The European Mille feuilles...
Common Information Sharing Environment: CISE
SO WHAT?
An interagency tool
Risk assessment within maritime approaches

Planning and real time action from the MOCs

Information system for civilian and military authorities
Way Ahead

- Widen the reach of detection and identification
- Improve the capability of processing and analysing data.
- Extend to different regions and connect to other regional MSA networks and Systems
- Develop interfaces with non state actors through the web
Questions ?