MDA DS COI Governance

Maritime Security Policy Coordinating Committee

MDA Implementation Team

MDA DS COI Executive

MDA DS COI Steering Committee

CONOPS Working Group

Data Management

Pilot Demonstration

Joint Implementation and Services

Req & Capes Working Group

Battle Space Awareness (ISR, Collection)

Battle Space Awareness (Analysis & Fusion)

Net-Centric

DOD = NORTHCOM/J6

DHS = USCG

DOD = NORTHCOM/J5

DHS = USCG

DOD = Joint Staff/J5

DHS = USCG

DOD = OPNAV N2

DOD = ONI

DOD = N71

DHS = USCG Lead

SPAWAR Lead

NORTHCOM Lead

• Develop Shared Vocabulary
• Develop Metadata
• Develop repeatable process/capability to demo COI products
  - Leverage NCES Services
  - Execute as Risk Reduction
• Facilitate Service implementation
• Negotiate & Manage SLAs
• Maintain COI Service Production Plan
• Define/implement COI Capability Roadmap
• Synchronize COI Products

NSC = HD
HSC = JS/J5

DHS = USCG
DOD = JS/J5

DHS = USCG
DOD = NORTHCOM/J5

DHS = USCG
DOD = Joint Staff/J5

DHS = USCG
DOD = OPNAV N2

DHS = TBD
DOD = N71

DHS = TBD
DOD = N71

DHS = TBD
DOD = ONI

DOD = OPNAV N2

DOD = OTIS

DOD = JS/J5
COI Defined

- A collaborative group of users that must exchange information in pursuit of its shared goals, interests, missions, or business processes and therefore must have a shared vocabulary for the information it exchanges. - DOD Directive 8320.2
The Community

- Kick-off Meeting had strong DHS and DOD presence
- Our data producer/consumer community is many more agencies, international, and commercial
The **Automatic Identification System** (AIS) is a shipboard broadcast transponder system operating in the Very High Frequency (VHF) maritime band that is capable of sending and receiving ship information, including Navigation (Position, Course, Speed ...), Identification (Name, Call Sign, Length, Beam ...), and Cargo (Draft, Type, Destination ...).
MDA DS COI Pilot Service = AIS Data RM + NCES Security/Discovery/Adapter + NCES M2M Messaging + Metadata Registry

Consumers

Developers

Web Services Info Grid
- Ad: Advertise
- P: Post
- IR: Info Request
- ID: Info Delivery

Information exchange message types:
- Human interpreted
- Machine interpreted
- Shared, distributed DB

UNCLASSIFIED

Data Producers

ACCESSIBLE

UNDERSTANDABLE

Data Producers
(Draft) COI Pilot POA&M

Kickoff MDA COI 21-22 Feb 06
Select Pilot 31 Mar 06
2nd MDA Meeting 24 May 06
Metadata Vocab LDM 30 June 06
Interim Pilot Capability 30 Sept 06
3rd MDA Meeting 23 Aug 06
4th MDA Meeting 22 Nov 06

Stand up WGs 4 Mar 06
Capabilities Plan 29 Apr 06
Services Inventory 29 July 06
Potential Agency Budget Inputs Late Summer 06
Interim Pilot into Ops 7 Oct 06

O&M Plan 3 Jun 06
Services Inventory 29 July 06
Potential Agency Budget Inputs Late Summer 06
Integrate Pilot into Ops 7 Oct 06
Maritime Fusion Challenge

Current Tasking: Corresponds with MDA Essential Tasks: Find, ID, track

- Delivery Warehouse
- Data
  - Vessels
  - Cargo
  - People
  - Infrastructure
- Information
- Operationally Actionable Intelligence

Gather data from disparate sources:
- Commercial
- Law Enforcement
- Foreign Partners
- Military NTM/ISR

Develop Maritime Domain Awareness:
- Fuse data into information (COP)

Establish Maritime Domain Dominance:
- Exploit anomalies in information to identify operationally actionable intel