Maritime Information Services of North America and Marine Exchange of Puget Sound at GMISS 2010

John Veentjer
Executive Director, Puget Sound Marine Exchange
President, Maritime Information Services of North America
Non-profit organizations established to serve their local maritime community independently and beyond their local community as a coalition providing information, communications and related services to ensure safe, secure, efficient and environmentally responsible maritime operations.
Marine Exchanges Date Back to 1800’s

- Established to broker information on vessel arrivals

- First Marine Exchange’s used telescopes to spot vessels and semaphore to relay information

- Today Exchanges use radars, radios, AIS, e-mail, the internet, and satellite transponders to collect and broker information on vessels.
Services we provide:

- Monitoring and tracking of deep draft vessels.
- Information on shipping activities in the Puget Sound and Grays Harbor.
- Answering Services.
- Regional FA for Round 9 and 10 of PSGP
- Administrative services to various maritime organizations, e.g., Harbor Safety Committee, Washington State Maritime Cooperative, Area Maritime Security Committee, etc.
Services (continued):

• Manage the West Seattle Buoys
• Statistical Reports
• Serve on the Olympic Coast National Marine Sanctuary Advisory Committee
• Serve on the Area Maritime Security Committee (AMSC)
• Industry representative on Northwest Association of Networked Ocean Observing Systems (NANOOS)
• Member Maritime Information Services of North America and National Association of Maritime Organizations
Monitor Vessel Movements

- 24 hour/7 day watch
- Monitor status of vessels from projected arrival to arrival to departure
- Collect information from various sources, e.g., operators schedules, agents, pilots, CG VTS, etc.
- Inform member/customers with need to know
- Extensive database of vessel activity
Maritime Information Services of North America (MISNA)
Coast Guard and other agencies

Small Passenger Vessels

Trampers & Bulkers

Container

Cruise Ships

Ports and Terminals

Tugs and Barges

Tankers

Fishing

MISNA
Customers and Clients

Ferries

Coast Guard and other agencies
Governmental Customers

Customs and Border Protection

Ports and States

Office of Naval Intelligence

U.S. Department of Transportation
MARITIME ADMINISTRATION

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

U.S. COAST GUARD
150+ MISNA Sites Operational
Approximately 300,000 sq miles of MDA

Largest AIS Network in the World

Maine to Alaska and Hawaii
Installations at Lighthouses and Remote Areas
MISNA Vessel Tracking
North America AIS and V-LRT

150+ AIS Sites - 3,000+ vessels daily
Vessels Operating in Alaska
Voluntary Participation in V-LRT
Why Track Vessels?

• Safety Net
• Risk Assessments
• Environmental Protection
• Validate Compliance
• Emergency Response
• Improve Efficiency
• Maritime Security

MISSION: Aid Safe, Secure, Efficient and Environmentally Sound Maritime Operations
Aleutian Islands Vessel Traffic Monitoring and Risk Assessment
Emergency Response and Investigation
Passenger Vessel Empress of the North
Grounding and Abandon Ship
Icy Strait, Alaska
14 May 2007

Vessel Tracked with MISNA Automatic Identification System
Information available to aid emergency response and investigation
Monitors the “Area to be Avoided”
Olympic Coast National Marine Sanctuary

AUTOMATED NOTIFICATIONS
“WATCH DOG ALERTS”
Olympic Coast National Marine Sanctuary (OCNMS)  
Area To Be Avoided (ATBA) -- Trackline History

History Track
Area: ATBA and Strait of Juan de Fuca
Start: 1st August, 2007 00:00
End: 30th September, 2007 23:59
Summary

• Long established
• Non-profit
• Local private sector members
• Vessel activity / tracking information
  – real time
  – historic
• Many 24/7 operations
• Local maritime communications
• Building relationships, e.g.,
  – Local maritime community workshops
  – e.g., significant player in MIST workshops
Marine Exchange/MISNA
Vessel Tracking Information Flow

Vessel Tracking Data
(AIS, V-LRT, Arrival/Departure Data)
Provided by Marine Exchanges (MISNA)

Info passing authorized by owner and USCG

Long Range GMDSS
Long Range SSAS
Short Range AIS
Marine Exchange Data

CBP
DHS
DOD
Local Authorities
USCG
Owners & Operator
Tugs
Agents
Pilots
Facilities and Ports

SUPPLIER
CUSTOMERS

Info passing authorized by owner and USCG
MISNA can assist in several pieces of the full MDA picture

- AIS Tracking
- Long Range Tracking
- Arrival/Departure Data
IT’S ALREADY HAPPENING,
MAYBE WITHOUT YOU
Maritime Information Services of North America

A non-profit maritime organization established to provide information, communications and services to ensure safe, secure, efficient and environmentally sound maritime operations.

Points of Contact

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