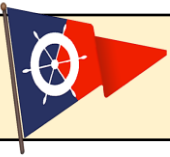


QUARTERMASTER YACHT CLUB – AIS Use Tips Tech Talk

AIS Use Tips – Project Data

Title:	AIS Use Tips (22d)
Objective:	Discuss standard and "unique" methods of using the AIS system
Speaker(s):	Kevin Jones
QYC Only?:	No
Date:	7 June, 2017 (combine with Automatic Identification System (AIS) – Class B transponders and web based AIS applications Tech Talk)
Time:	7 – 9 PM
Duration:	60 minutes
Location:	Vashon Library (Meyers Hut as backup)
Space Required:	Room with tables, chairs and projection screen
Supplies to bring:	Laptop and power cable, projector and power cable, laptop to projector cable
Tools to bring:	None
Props & Examples:	None
Advertising plan:	Advertise tech talk w/ flyer at QMM, library, grocery store, HW store, Burton Boat, QYC (Meyers Hut, top of hill bulletin board, dock gate), preview at QYC meeting

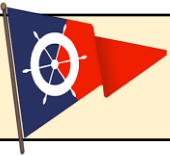


WELCOME to QYC Tech Talks!

- A Tech Talk is...
 - An exchange of information, ideas and experience
 - More dialogue than “teaching”
 - A little structure
- We encourage...
 - Listening, learning & contributing
 - Discussion and debate
 - Questions
- Our next Tech Talk is:
 - Not yet planned – Fall 2017

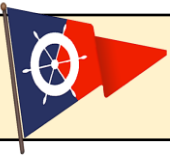


Together, to Learn From Each Other



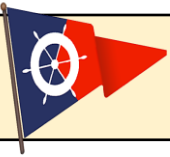
AIS Use Tips - Standard

- Closest Point of Approach / Time to Closest Point of Approach (CPA/TCPA)
 - Set CPA/TCPA to allow time to avoid ship (or wake)
- Plotting AIS vessels on your chart plotter
- Determining AIS vessels in range of your receiver and their locations
- Tracking vessels using AIS (search by name, MMSI, etc)
- Setting up "buddy boats" on your chart plotter to eliminate CPA/TCPA alerts and alarms
- Setting CPA/TCPA ranges and times as a function of vessel density
- AIS based "virtual" nav aids



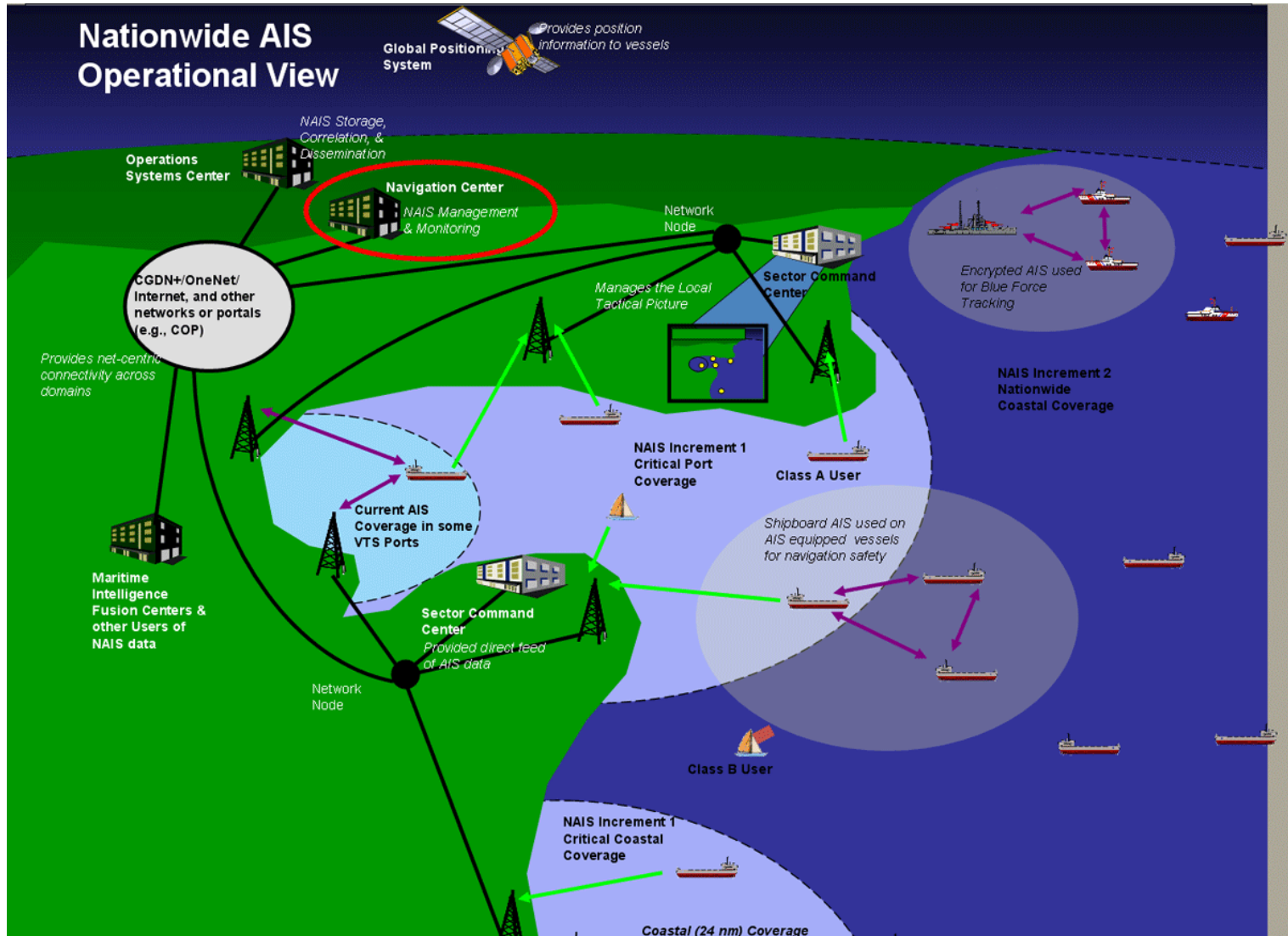
AIS Use Tips – New(er)

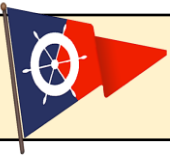
- MOB AIS transceiver
- National AIS (NAIS) - coastal and satellite based AIS signal receipt (?) and transmission



QUARTERMASTER YACHT CLUB – AIS Use Tips Tech Talk

AIS Use Tips - NAIS





AIS Use Tips – NAIS

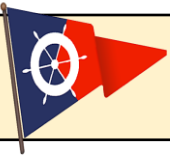
Coast Guard Announces Successful Launch of Nationwide AIS Satellite

Jun 23rd, 2008 · Comments Off on Coast Guard Announces Successful Launch of Nationwide AIS Satellite

WASHINGTON (HQ Public Affairs) – The U.S. Coast Guard has announced the launch of an ORBCOMM concept demonstration satellite, equipped with Automatic Identification System (AIS) capability, from Kapustin Yar, Russia, Thursday.

The satellite attained a proper orbit and is expected to start transmitting operational data within the next three months. The U.S. Coast Guard Nationwide Automatic Identification System (NAIS) Project sponsored equipment on the satellite to test the feasibility and effectiveness of AIS message reception and reporting from space for ship tracking and other navigational activities. The launch marks an important milestone in the development of the NAIS project.

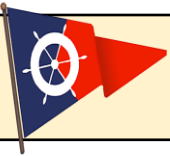
The NAIS project will improve maritime domain awareness for the U.S. Coast Guard and Department of Homeland Security by using the integrated network of AIS equipment and user interface services that display and exchange AIS-equipped vessel information for maritime safety and security. Data collected by the NAIS supports the nation's maritime interests by promoting vessel and port safety through collision avoidance, and through detection, traffic identification, and classification of vessels out to 2,000 nautical miles from shore.



QUARTERMASTER YACHT CLUB – AIS Use Tips Tech Talk

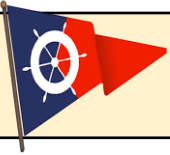
AIS Use Tips – NAIS

The NAIS project is being implemented in three primary increments. Increment one, fielded in September 2007, currently provides the capability to receive AIS messages at 55 critical ports and nine coastal areas across the nation. Increment two (with nationwide AIS transmit and receipt coverage) will provide the capability to receive AIS messages out to 50 nautical miles and transmit AIS messages out to 24 nautical miles along the entire coastline of the U.S. and designated inland waterways. Increment three will extend the coverage for receipt of AIS messages out to 2,000 nautical miles from shore. The upcoming satellite testing will assist in the development of Increment three of the NAIS project.



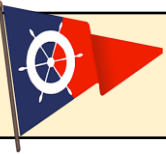
AIS Use Tips – Other

- Look ahead weather / sea state condition reports
- Avoiding crowded anchorages
- Avoiding wakes of large vessels
- Tip off other AIS vessels about non-AIS vessels during low visibility conditions
- Situation: Dismasted sailboat, two tugs approaching, we closed on sailboat so tug would see our AIS and avoid
- Question: Are large vessels more likely to pay attention to AIS than radar? Note AIS audible alarm and potential monitoring via web based systems



AIS Use Tips – Warnings

- Not everyone has AIS - still need to look out the helm window!



AIS Use Tips

QUESTIONS?