CMTS Navigation Technology Integration and Coordination IAT

UPDATE

Navigation Technology IAT

An Integrated Action Team (IAT) was approved by the CMTS Coordinating Board in October 2006 to foster the beneficial integration of technologies, data, and services being developed, collected, or performed by Federal Agencies that could be used to enhance navigational safety and efficiency of maritime operations.

National Strategy IAT- The Safety of the Marine Transportation System
DRAFT

The *National Strategy* recommends the following actions to ensure the marine safety of the MTS

- Coordinate existing Federal navigation technology services and programs to ensure collaboration, reduce duplication and standardize terminology and presentation;

- Deliver timely, relevant, accurate navigation safety information to mariners, including real time information systems such as the Physical Oceanographic Real Time Systems, e-navigation, under keel clearance, air gap technology and those associated with development of the Integrated Ocean Observing System;

- Encourage and coordinate navigation technology research and development;

Navigation Safety Technology IAT Action Plan

1. **Develop an inventory** of technologies, data, and services within the Federal agencies that could be beneficial to the safety or efficiency of marine transportation.

2. **Develop Working Groups** to address specific coordination projects needed to optimize the technology, data, or service.

3. **Develop demonstration** of technology integration - a tide aware electronic navigational chart

CMTS – Navigation Technology IAT Working Groups

1.	**Utilization of Coast Guard's Automatic Identification System capabilities** (USCG lead)

Three projects to transmit real-time environmental (e.g. water level, currents, winds, etc.) information from NOAA and USACE to mariners to improve safety of navigation.

2. **Charting data collection and distribution** (NOAA lead)

Three projects designed to improve the accuracy of the navigational chart with improved data from USCG, USACE and NOAA.

CMTS – Navigation Technology IAT Working Groups

3. **Navigational data collection and distribution** (USACE lead)

   Three projects designed to increase the quality of oceanographic data topographic data available to mariners to improve safety of navigation.

   A project to jointly set standards for lidar bathymetric and topographic data

4. **Operational Coordination Issues** (USCG lead)

   Three projects designed to improve local operational coordination between the USCG, USACE, and NOAA on navigational safety issues.

Navigation Technology IAT

- Navigation Technology IAT remains open to adding new coordination issues and new IAT members

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