1. **Quorum Call** – Mr. Paul Martin, USCG, called the meeting to order at 10:06 AM and confirmed there was a quorum.

2. **Approval of Minutes** – Capt. Lynn Korwatch, Marine Exchange: A motion was made and seconded to approve the minutes of the July 9, 2019 and October 15, 2019 meetings. The minutes were approved without dissent,

3. **Comments by the Chair** – Capt. Marie Byrd, USCG: New Year's Eve event safety and security was a priority. An NTAS bulletin has been issued on security measures following recent conflict with Iran. MARSEC Level 1 is in effect. An AMSC Workgroup has been chartered to address UAS (drone) safety and security issues. The Cybersecurity Subcommittee met in December. USCG MSIB 10-19 was issued regarding a cyberattack impacting MTSA facility operations. The USCG is working with the Bay Area UASI planning a full-scale active shooter ferry exercise.
   a. Four new AMSC members were sworn in by Capt. Byrd.
       i.   S/A Merrin Morse, FBI
       ii. LT Michael Brown, Contra Costa County Sheriff Office
       iii. Mr. Brandon Chapman, Port of Redwood City
       iv. S/A Scott Harris, FAA

4. **Member Agency/Industry Reports** - AMSC Membership

   Colin McDermitt, Golden Gate Ferry: Nothing to report

   Phil White, Bay Area UASI: The Bay Ferry V full-scale maritime emergency preparedness exercise is being planned and will take place November 16-21, 2020. The exercise includes an active shooter aboard a ferry scenario and PRND. Training for terminal operators and first responders is available. New grant funding will be available for PRND equipment and interdiction.

   Michael Brown, Contra Costa County Sheriff Office: Nothing to report.

   Richard Hernandez, Sate Lands Commission: UAS flight over terminals is a security concern and incidents have occurred.

   Dave O'Neill, TraPac: A security assessment and training exercises were recently conducted. Vulnerabilities will be analyzed.

   Lauren Gularte, WETA: WETA is participating in the Bay Ferry V active shooter exercise.

   Bob Butchart, Cal OES: Drone regulations and cybersecurity are top priorities. Funding is an issue and agency partnership at the local, state and federal level is required.

   David Trombino, Retired LLNL: Nothing to report.

Joe Reilly, Port of San Francisco: New Year's Eve was a successful event at the port. Cruise ship calls are increasing. The port has opened up a homeless services center near Pier 30/32 and is drafting a Cyber Annex plan.

Dave Dixon, USCG: The USCG will be involved with planning the upcoming active shooter ferry exercise.

Kevin Krick, Matson: San Jose State University hosted a workshop on transportation security including cyber. Mapping of regulator responsibility is a priority to minimize confusion. Supply chain issues and critical infrastructure were also discussed. No new information is available about NMSAC which is currently defunct.

Troy Hosmer, Port of Oakland: A PSGP funded joint emergency operations center is being built supporting security at the port.

Hank Ryan, MARAD: Ready Reserve vessels are available for training and exercises. MARAD is assisting a project to use drones for testing vessel emissions offshore.

Paul Martin, USCG: The USCG is hosting a workshop on January 29th at YBI to consider the Mass Rescue Operations Plan and SF VMAP.

Lynn Korwatch, Marine Exchange: The Harbor Safety Committee is assisting the USCG in developing after-hours vessel identification for emergency response. Creating a vessel compatibility matrix will help facilitate port reopening.

Scott Harris, FAA: Nothing to report.

Brandon Chapman, Port of Redwood City: Funding is available for exercises and events. The AAPA Security Committee meets in March.

Bill Aboudi, Oakland Maritime Support Services: A TRO has been issued blocking AB5 from taking effect. Truckers would be negatively impacted by the new California law.

Merrin Morse, FBI: The 2020 elections are upcoming. Cyberattacks, terrorism and hate crimes are enforcement priorities. Contact: sftaskforce@fbi.gov

Gordon Lobel, Hornblower Cruises: Nothing to report.

Rick Salsedo, Port of Stockton: A PSGP funded fusion center is being built. A tug recently sunk at the port requiring a coordinated response.

Bryan Wendleton, Everport Terminals: Annual cybersecurity training recently held. Recognizing suspicious email is very important.

Eugene Lee, HIS: Nothing to report.

Henry Russel, SSA: Seafarers regulations are being implemented. Restricting drones over critical infrastructure requires official designation which could be obtained by port facilities and submitted to the FAA. Cyberattack awareness training is critical.

Greg Bosworth, Chevron: Active shooter training and planning is being conducted.

5. **Work Group Reports:**
    a. PRND Subcommittee – Mr. David Trombino: New CONOPS and SOPs have been signed and are living documents. New funding for PRND equipment is available. The Neptune Coalition is meeting tomorrow.
    b. CYBER Subcommittee – Mr. Paul Martin: The latest Cybersecurity Newsletter has been published and is available on the HOMEPORT website. The newsletter contains information on the hacking of robotic vehicles and other cyber threats. Alerts have been issued regarding Iranian cyber response to recent conflict and VPN vulnerabilities. Information is available at: https://www.us-cert.gov/NCAS/Alerts/. Ransomware is a primary concern for the FBI. Dave Sullivan, NCRIC, advised vigilance in regard to Iranian cyber-attacks which are taking place. Don't open unknown email attachments. For cyber-attack assistance contact: cyber@ncric.ca.gov. Capt. Byrd advised that USCG email was recently spoofed.

6. **General Reports:**
    a. Neptune Coalition Brief – Sector SF: A Neptune Coalition meeting will be held tomorrow at YBI. Topics include New Year's Eve event enforcement, PRND and a drone report. A maritime smuggling indicators course will be held on February 20th. A quarterly active shooter drill will be held on March 20th.
    b. Security Breach Report – Sector SF: Distributed and reviewed the Security Breach/Suspicious Activity Report. Several incidents of bicycle trespass were reported.
    c. Sector Intelligence Report – LT Walter, USCG Sector Intelligence, reported on cyber-attacks and threats being monitored. There have been several documented cyber-attacks in recent years including the well know Stuxnet attack which damaged Iranian nuclear capability. Other attacks were perpetrated in 2017 by Iran against Saudi Arabia and in 2019 when Industrial Control Systems were targeted. Retaliatory cyber-attacks by Iran against Saudi Arabia and the UAE are considered more likely than against the United States directly. The proxy threat of Hezbollah revenge attacks is also a concern. There are no specific threats to the Bay Area at this time.
    d. UAS Presentation – S/A Scott Harris, FAA, gave a presentation to the committee on Unmanned Aircraft Systems (UAS) regulation. A FAA UAS symposium will be held in June. It is expected that UAS (drone) technology will continue to evolve and popularity increase. The FAA has civil regulatory authority over UAS in flight and assists law enforcement with criminal investigations. Local, state and federal agencies are supported.   The FAA's UAS Integration Strategy seeks to fully integrate UAS into the National Airspace System (NAS). Improvements to drone detection systems, air traffic management and collision avoidance are needed. In the US, airspace is public with the right to transit. Temporary Flight Restrictions (TFR) can be authorized for national security and safety reasons. New rules restricting UAS over critical infrastructure are being developed but are in the early stages. DHS is responsible for designating critical infrastructure and will determine if navigational waterways and maritime facilities qualify using a tier system. Law enforcement can obtain permission from the FAA to fly over crowds. Local authorities do have the ability to restrict UAS for public safety, but FAA regulations preempt. FAA outreach to law enforcement is a priority. Property owners and agencies have the ability to restrict UAS operators and takeoff/landing from their land, but it is legal for drones to be launched from boats in public waters. UAS consist of an unmanned aircraft, controller and data link. Small quadcopter type drones have approximately 27 minutes flight time and a 4.3-mile radius from operator. Registration is required for UAS, but compliance is lacking. Recreational operators do not currently need FAA certification, but new regulations will require it. Drones are also used commercially, by government agencies and by universities. There are currently more than 150,000 licensed UAS pilots in the US and over 1.6 million drones registered. UAS incidents are underreported. Report incidents to local law enforcement and the FAA directly. The FAA conducts civil enforcement and can issue fines to violators. It is illegal for UAS to operate near wildfires, interfere with other aircraft or be used for criminal purposes. Counter UAS measures and drone interdiction technology are available but there are legal issues limiting

use. Current law prohibits disturbing any aircraft in flight including UAS. Drone detection technology is available. Rulemaking regarding UAS is being updated by various federal authorities including the FAA and the legal situation is dynamic. TFRs can be applied for through the FAA website. Information: https://faa.gov/UAS/PublicSaftey. Contact: scott.a.harris@faa.gov.

- Paul Martin advised of the AMSC UAS Workgroup Charter. A Workgroup is being formed to look at UAS policies, reporting and security issues. Participation is welcome. Contact: paul.r.martin@uscg.mil.

7. **Public Comment:**
   - Tamara Coffey, Unisys Corp., advised that Unisys provides maritime security, TWIC and cybersecurity support. Contact: tamara.coffey@unisys.com.

8. **Old Business: None**

9. **New Business:**
   - Kevin Krick asked about including cyber incidents in the USCG Security Breach Report. Paul Martin advised that the idea can be considered but is difficult due to reporting requirements.

10. **Next Meeting:** The next AMSC meeting will be held at 10:00 AM, April 14, 2020, Port of Oakland, 530 Water Street, Oakland, CA.

11. **Adjournment:** A motion to adjourn the meeting was made and seconded. The meeting adjourned at 12:17 PM.