



Commander 4th Fleet (C4F) Limited Objective Experiment (LOE) 22

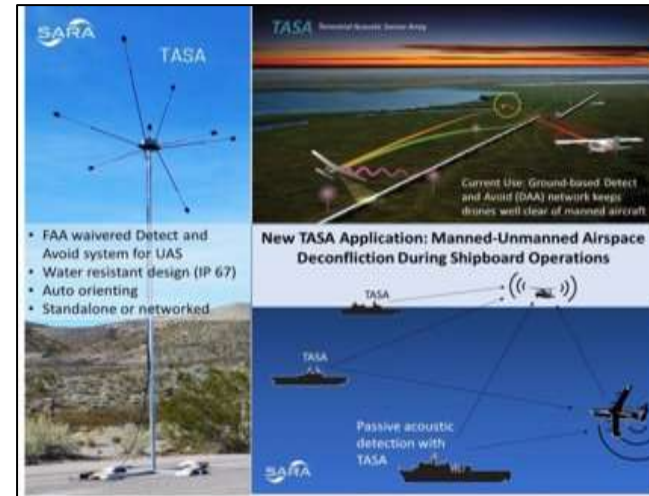
Sponsors: U.S Fourth Fleet in the 4th Fleet Operational Area

Description: Terrestrial Acoustic Sensory Array (TASA) and Passive Acoustic Non-Corporative Aircraft/Motion Analyzer (PANAMA) detect and track nearby air traffic to enable self-separation and collision avoidance maneuvers by recommending safe courses, and conduct independent flight and analysis FAA Pathfinder, respectively.

Objectives: To establish separation/control so that manned and unmanned aircraft can operate in the same area and maintain separation of aircraft in a 'pattern' around the ship. Evaluate new naval technologies and concepts in an operational environment.

SEC Opportunity: Provide mentoring, training, and facilitating to support NAVAIR initiative to deliver new capabilities to the United States Navy's Fourth Fleet for UAV collision avoidance. Challenges include securing assets, installations, operations laydown.

Outcome: Develop an acoustic-based capability that can enable UAS operations in a passive environment.



TASA Capabilities

When?

Held annually. The next event is scheduled for July 2022.

Link: <https://www.navy.mil/US-NAVAL-FORCES-SOUTHERN-COMMAND-US-FOURTH-FLEET/>

