



Marine Board



**MARINE BOARD SPRING MEETING
SAVANNAH, GA
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OFFICE OF WATERWAYS AND OCEAN POLICY**



Maritime Commerce Outlook



MARITIME COMMERCE:

- Lifeblood of America's economy.
- Coast Guard's enduring role to safeguard MTS & enable uninterrupted flow of maritime commerce

THREATS

- Greater use, complexity, & interconnectivity of MTS increases vulnerabilities to disruption

USCG STRATEGIC PRIORITIES

- FACILITATING Trade & Travel
- MODERNIZING Infrastructure
- TRANSFORMING Capacity



Vessel Autonomy



- Continued Development
- Applications in U.S.
- Potential Impacts





Autonomous Vessels



- Several Autonomous vessels projects around the world
- Potential to reduce human error and increase profitability,
- Pose new risks to the MTS.
- USCG leader in the discussions at the IMO on autonomy.

QUESTIONS TO CONSIDER

- How these technologies will integrate into existing shore-based systems including ATON, VTS, pilotage, bridges/locks, data connectivity, and communications.
- What advances in port and infrastructure technologies are critical for the safety and economic benefits of autonomy.



FAA & USCG Cooperation



Commercial Space Vehicle Launch & Re-entry Sites

Regulatory requirement (14 CFR Chapter 3):

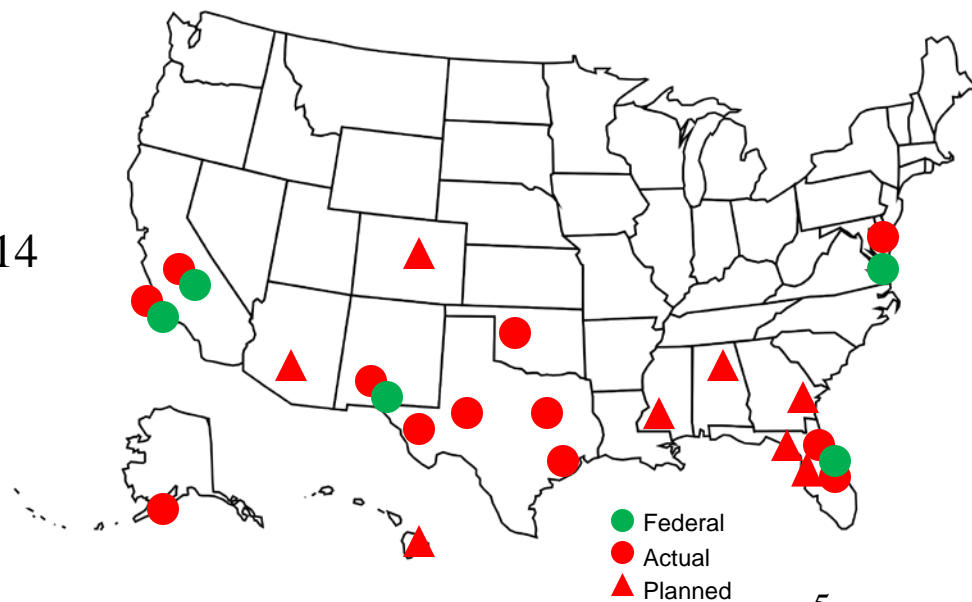
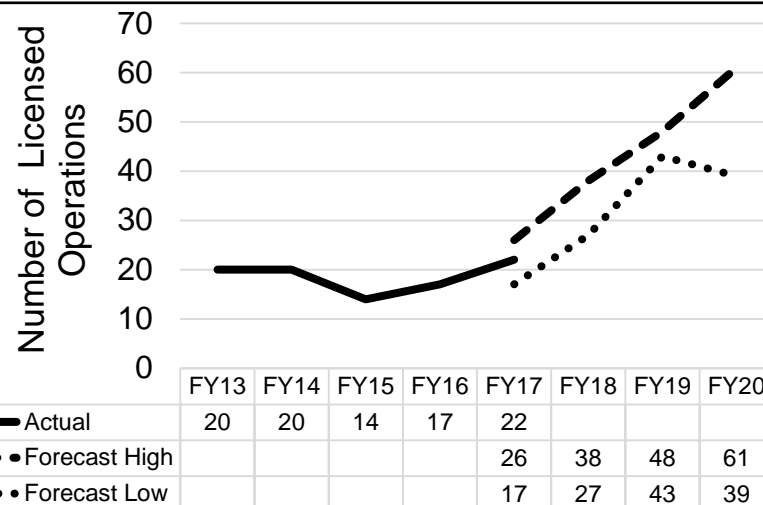
- LOA between Site Operator (facility) & USCG
- Consultations with Launch Operators
- Notices to Mariners (including LNM, BNM)

Concerns for U.S. navigable waters:

- Potential unplanned blast
- Gathered spectators

Status:

- Began monitoring activities, impacts in 2014
- D17 MOU signed 2017
- D7 LOA with Site Operator signed 2017
- D7 preparing draft USCG-FAA MOU
- Met with FAA reps April 2018
- Complete USCG-FAA MOU end FY18





Arctic



Determine infrastructure needs in the Arctic for DHS and other Federal Agencies

Numerous studies with no clear consensus:

- Traffic Projections in the Arctic
- Ice extent and coverage
- Level of commercial activity in the Arctic region
- Increasing State / Non-State activities that pose security and economic threats
- Changes in Arctic communities

Uncertainty regarding the growth of activity creates challenges

- of having inadequate capabilities against
- the cost of making premature or unnecessary investments.