



Program Executive Office, Ships



# SSC Overview

CAPT Scot Searles

Program Manager,  
Amphibious Assault and Connectors Program Office (PMS 317)

12 Jan 2022



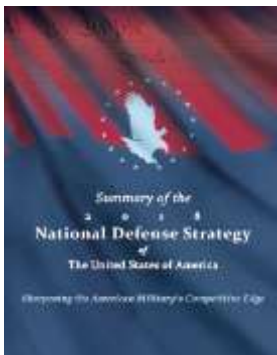




# Great Power Competition



Program Executive Office, Ships



“The central challenge to U.S. prosperity and security is the *reemergence of long-term, strategic competition*...It is increasingly clear that China and Russia want to shape a world consistent with their authoritarian model—gaining veto authority over other nations’ economic, diplomatic, and security decisions.”



“Force design is my number one priority” →  
“...the current force is not organized, trained, or equipped to support the naval force – operating in contested maritime spaces, facilitating sea control, or executing distributed maritime operations.”



“We must transform our traditional models for organizing, training, and equipping the force to meet new desired ends, and do so in full partnership with the Navy”



Program Executive Office, Ships



# Ship to Shore Connector (SSC) *LCAC 100 Class*





# Ship to Shore Connector



Program Executive Office, Ships

- Propulsion: Four gas turbine engines
- Length: 91.80 feet
- Beam: 48.25 feet
- Speed: 35+ knots
- Crew: Five
- Load: 74 short tons
- Service Life: 30 years







# Craft Deliveries



Program Executive Office, Ships



First Four Craft Delivered to the Navy



# Program Status



Program Executive Office, Ships

- 24 craft on contract with Textron
- First in Class Craft (Craft 100) Delivered Feb 2020
- PDT&T continues with focus on Path to IOC
- 12 Craft (LCAC 104-115) under construction







# Recent Activities



Program Executive Office, Ships

LCAC 101 Beach Holds



LCAC 100/101 NSW PCD Arrival



LCAC 102 NSW PCD Arrival



USMC Vehicle Interface Testing



Beach and Overland Testing





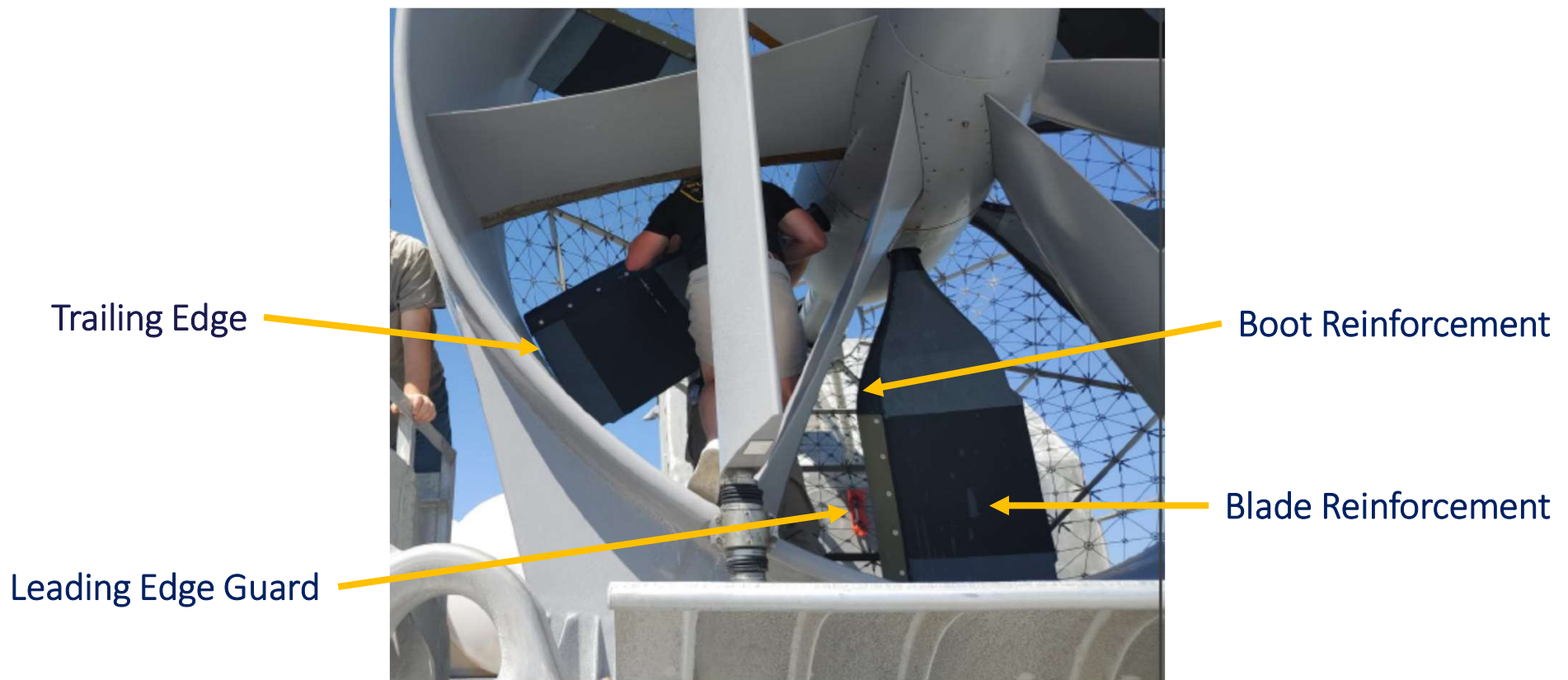


# SSC Enhanced Propeller Blades



Program Executive Office, Ships

- Baseline LCAC 100 propeller blades exhibited micro-cracking during Builders Trials.
- Reinforced blade design and software upgrades mitigated cracking previously shown in LCAC 100 during recent builders and acceptance trials.
- Reinforced blades installed on all Craft at delivery





*Program Executive Office, Ships*

# Q&A