



Surface Training Systems

Presented to:

Training and Simulation Industry Symposium 2021

Presented by:

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PROGRAM MANAGER

SURFACE TRAINING SYSTEMS (PMS 339)

**“We will focus our efforts
towards Warfighting,
Warfighters, and the Future
Navy.”
– CNO FRAGO, Dec 2019**



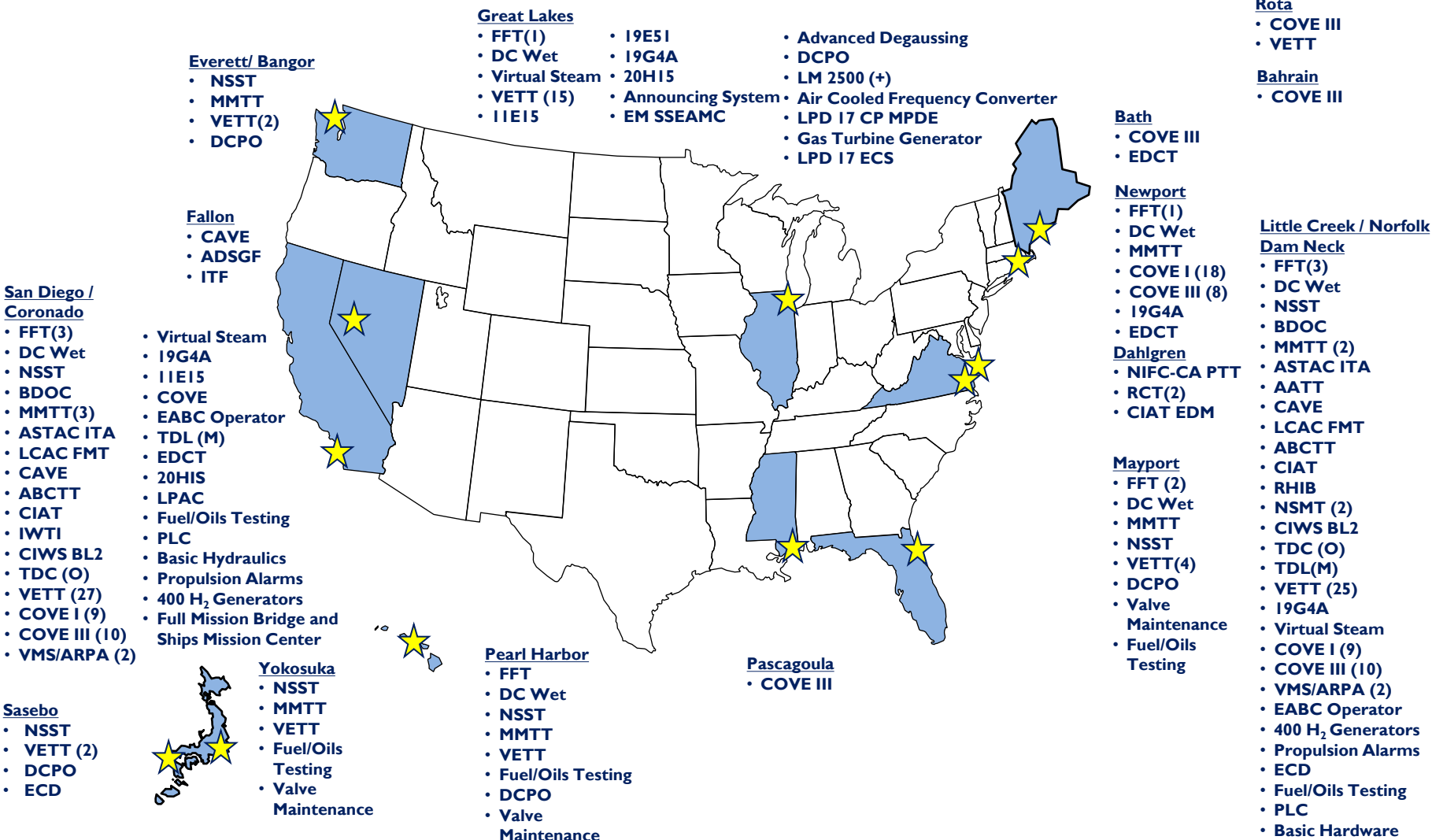
WARFIGHTING / WARFIGHTERS / FUTURE NAVY

**MISSION ONE FOR EVERY SAILOR IS THE
OPERATIONAL READINESS OF TODAY'S NAVY.**



**“Mission One for every Sailor –
active and reserve, uniformed
and civilian – is the operational
readiness of today's Navy”
– CNO FRAGO, Dec 2019**

Builds or Maintains 300+ Trainers in 15 Sites





N96 (STAVE) System Description

Details in Dec 18, STAVE SECNAV Report to Congress & N96 STAVE Interoperability Standard (SIS)

FY13-26, \$5.3B schoolhouse & waterfront training investments delivering today:

Future Investments:



Modernized, Interactive Operator and Maintenance "Gaming" Course

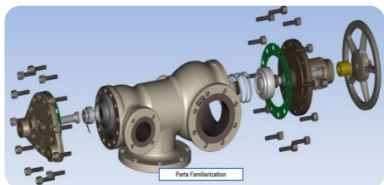


Instructor led learning via embedded operator and maintainer software training support tools

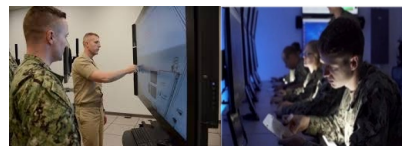
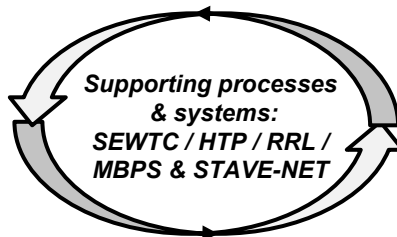
-- STAVE Product Line --



"Hands On" Instructor Led Labs with Modernized Equipment



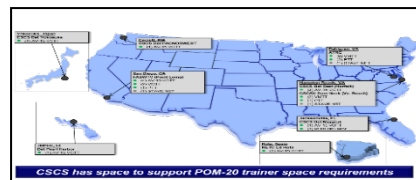
3D Interactive Troubleshooting & Maintenance Models



Virtual Operator & Maintenance Task Trainers (VOTT / VMTT)



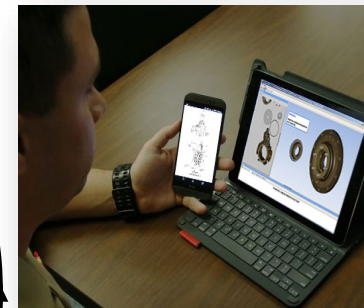
High Fidelity Multi-Mission Team Trainers, including Mariner Skills Training Program (MSTP)



Networked classrooms, trainers, labs, students & instructors (FY21)



Networked ship training content via STAVE-NET and Total Ship Training Capability (TSTC)



Authoritative, Mobile & Interactive Preventive & Corrective Maintenance Tools



Aligned Shore / Individual Training & In-Service Engineering Agent Support

STAVE has modernized or is programmed to modernize ~70% of the 850 surface courses of instruction training ~66% of all afloat billets. Remainder in future POMs

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- Mariner Skills Training Center (MSTC)**
- Locations and IOCs:**
- Tokyo Sea:**
 - Current: M-NSTC Phase II
 - Planned: IOC June 2025
 - NST 5
 - NST 4
 - RADNAV
 - Sancho:**
 - Current: M-NSTC Phase II
 - Planned: IOC Oct 2025
 - NST 5
 - RADNAV
 - Rate:**
 - Current: COVE II Integrated
 - Planned: IOC Mar 2029
 - NST 5
 - RADNAV
 - Bahrain:**
 - Current: COVE II Integrated
 - Pearl Harbor:**
 - Current: M-NSTC Phase II
 - Planned: IOC June 2022
 - NST 5
 - RADNAV
 - San Diego:**
 - Current: COVE II (BOOD) CR 1
 - JOOD COVE II (10)
 - JOOD VMS CR (2)
 - M-NSTC Phase II
 - NST FM
 - Planned: IOC Jul 2021
 - MSTC
 - Newport:**
 - Current: COVE II (18)
 - COVE II (8)
 - JOOD COVE II (8)
 - COVE FM (2)
 - Planned: IOC Sep 2024
 - NST 4
 - Bath:**
 - Current: JOOD COVE II
 - Norfolk:**
 - Current: COVE II (BOOD) CR 1
 - JOOD COVE II (10)
 - JOOD VMS CR (2)
 - M-NSTC Phase II
 - NST FM
 - Planned: IOC May 2021
 - NSTC
 - Margaret:**
 - Current: M-NSTC Phase II
 - Planned: IOC May 2021
 - NST 4
 - NST 5
 - RADNAV
 - Pascagoula:**
 - Current: JOOD COVE II



CIC in
separate
room



NAVSEA
NAVAL SEA SYSTEMS COMMAND

Mariner Skills Training Program Laydown

Yokosuka
Current
• M-NSST Phase III
Planned: IOC JUN 2025
• NSST 5
• NSST 4
• RADNAV
• Temp Facility for NSST 5 and RADNAV planned
IOC: MAR 22

Sasebo
Current
• M-NSST Phase III
Planned: IOC OCT 2021
• NSST 5
• RADNAV

Rota
Current
• COVE III Integrated
Planned: IOC OCT 2022
• NSST 5
• RADNAV

Bahrain
Current
• COVE III Integrated

Everett
Current
• M-NSST Phase III
Planned: IOC Sep 2022
• NSST 5
• RADNAV

San Diego
Current
• COVE I (BDOC) (9)
• JOOD COVE III (10)
• JOOD VMS CR (2)
• M-NSST Phase III
• NSST FMB
Planned: IOC MAY 2021
• MSTC

Pearl Harbor
Current
• M-NSST Phase III
Planned: IOC JUN 2022
• NSST 5
• RADNAV

Mariner Skills Training Center (MSTC)
10 - NSST 1
1 - NSST 3
2 - NSST 4
2 - NSST 5
1 - RADNAV
30 - COVE III
16 - VMS/ARPA

Newport
Current
• COVE I (18)
• COVE III (8)
• JOOD COVE III (6)
• COVE FMB (2)
Planned: IOC SEP 2024
• NSST 4

Bath
Current
• JOOD COVE III

Norfolk
Current
• COVE I (BDOC) (9)
• JOOD COVE III (10)
• JOOD VMS CR (2)
• M-NSST Phase III
• NSST FMB
Interim
• COVE III (20)
Planned: IOC JUL 2022
• MSTC

Mayport
Current
• M-NSST Phase III
Planned: IOC MAY 2021
• NSST 4
• NSST 5
• RADNAV

Pascagoula
Current
• JOOD COVE III

Acquisition Agent: PMS 339

*Does not include LCS or DDG 1000 Bridge