



# SURFACE TRAINING SYSTEMS PMS 339 UPDATE

January 2020

*Presented to:*  
Surface Navy Association

*Presented by:*  
Bob Kerno  
MPM SURFACE TRAINING SYSTEMS  
PMS 339

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



**CNO  
FRAGO**

The graphic features a stylized American flag on the left, with the Navy's anchor and eagle emblem in the center. The text 'CNO FRAGO' is prominently displayed in large, bold, black letters on the right.

**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, Jan 2019**

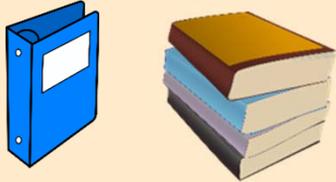
# Introduction

**“PMS 339, is the OPNAV single point of contact for strategic program planning, policy, acquisition, life-cycle management, research and development, and technical insertion into all existing and future Navy surface training systems.” – OPNAVINST 1500.57C, Feb 2013**

***“Being ready for naval operations consists not so much in the building of ships and guns as it does in the possession of trained Sailors.” – Alfred Thayer Mahan***

## Training Effectiveness Evaluation & Feedback

### MPT Requirements Development



- FEAs
- NTSPs
- PSMDs
- CSPPs
- TTAPs
- MPT Plans
- SCD/ILS CERT Reviews

### Trainer/Course Development



- JDTA
- TCCD
- TPP
- RAWG
- Install/Testing
- TSIP/TITA

### Training Execution



- DSAGT
- NAVSAGT
- LBES (Initial/Interim Training)

### Strategic Partners

Resource Sponsor (N95/N96)  
Program Office/SPM/SHAPM  
NAVAIR & SEA 07 (TSPOs)

TYCOM  
NAWCTSD  
NETC

OPNAV N12  
NAVFAC  
NSWC

ATG  
CSCS  
NAVMAC

NAVWAR  
SWOS

# PMS 339 Trainers

## Builds or Maintains 300+ Trainers in 15 Sites

### Everett/ Bangor

- NSST
- MMTT
- VETT(2)
- DCPO

### Fallon

- CAVE
- ADSGF
- ITF

### San Diego / Coronado

- FFT(3)
- DC Wet
- NSST
- BDOC
- MMTT(3)
- ASTAC ITA
- LCAC FMT
- CAVE
- ABCTT
- CIAT
- IWTI
- CIWS BL2
- TDC (O)
- VETT (27)
- Virtual Steam
- 19G4A
- 11E15
- COVE
- EABC Operator
- TDL (M)
- EDCT
- 20HIS
- LPAC
- Fuel/Oils Testing
- PLC
- Basic Hydraulics
- Propulsion Alarms
- 400 H<sub>2</sub> Generators
- Full Mission Bridge and Ships Mission Center

### Sasebo

- NSST
- VETT (2)
- DCPO
- ECD

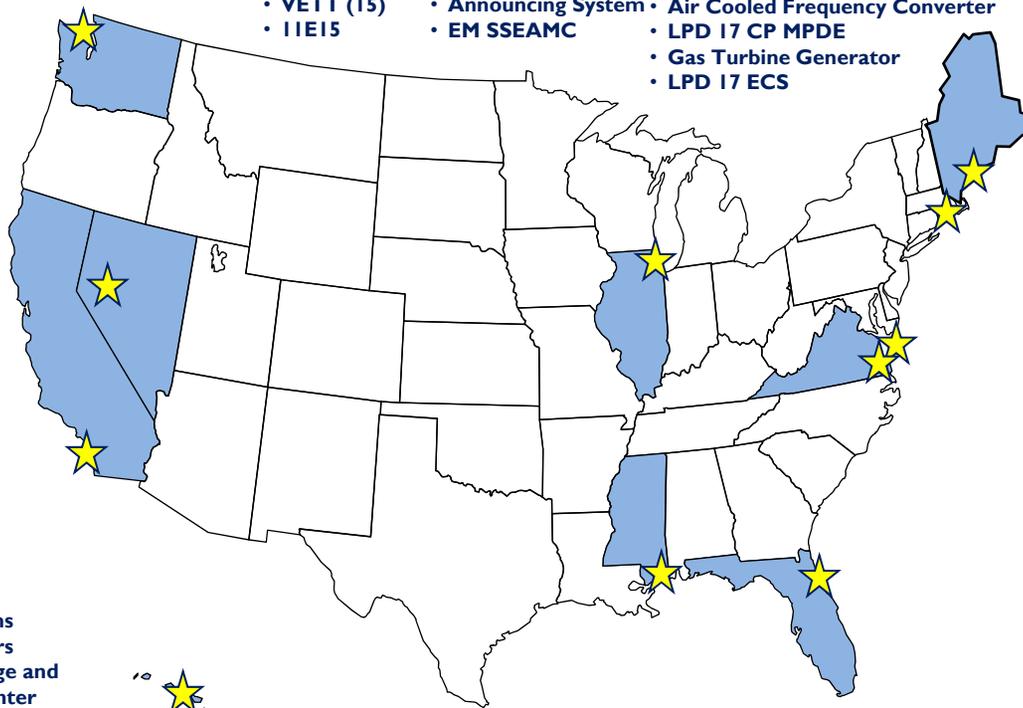


### Yokosuka

- NSST
- MMTT
- VETT
- Fuel/Oils Testing
- Valve Maintenance

### Great Lakes

- FFT(1)
- DC Wet
- Virtual Steam
- VETT (15)
- 11E15
- 19E51
- 19G4A
- 20H15
- Announcing System
- EM SSEAMC
- Advanced Degaussing
- DCPO
- LM 2500 (+)
- Air Cooled Frequency Converter
- LPD 17 CP MPDE
- Gas Turbine Generator
- LPD 17 ECS



### Pearl Harbor

- FFT
- DC Wet
- NSST
- MMTT
- VETT
- Fuel/Oils Testing
- DCPO
- Valve Maintenance

### Pascagoula

- COVE III

### Rota

- COVE III
- VETT

### Bahrain

- COVE III

### Bath

- COVE III
- EDCT

### Newport

- FFT(1)
- DC Wet
- MMTT
- COVE
- 19G4A
- EDCT

### Little Creek / Norfolk

#### Dam Neck

- FFT(3)
- DC Wet
- NSST
- BDOC
- MMTT (2)
- ASTAC ITA
- AATT
- CAVE
- LCAC FMT
- ABCTT
- CIAT
- RHIB
- NSMT
- CIWS BL2
- TDC (O)
- TDL(M)
- VETT (25)
- 19G4A
- Virtual Steam
- COVE
- EABC Operator
- 400 H<sub>2</sub> Generators
- Propulsion Alarms
- ECD
- Fuel/Oils Testing
- PLC
- Basic Hardware

### Dahlgren

- NIFC-CA PTT
- RCT(2)
- CIAT EDM

### Mayport

- FFT (2)
- DC Wet
- MMTT
- NSST
- VETT(4)
- DCPO
- Valve Maintenance
- Fuel/Oils Testing

# Surface Training Advanced Virtual Environment (STAVE)

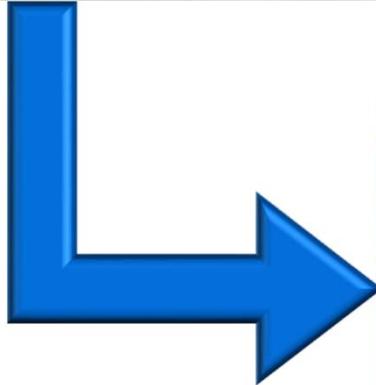
(From classroom to deckplate)



*Integrates State-of-the-art Virtual Technology with Hands-On Lab*



*Allows “reps and sets” builds muscle memory to maximize knowledge and skill retention*



***SEWTC investments meet CNO High Velocity Learning (HVL) and Ready Relevant Learning (RRL) intent***

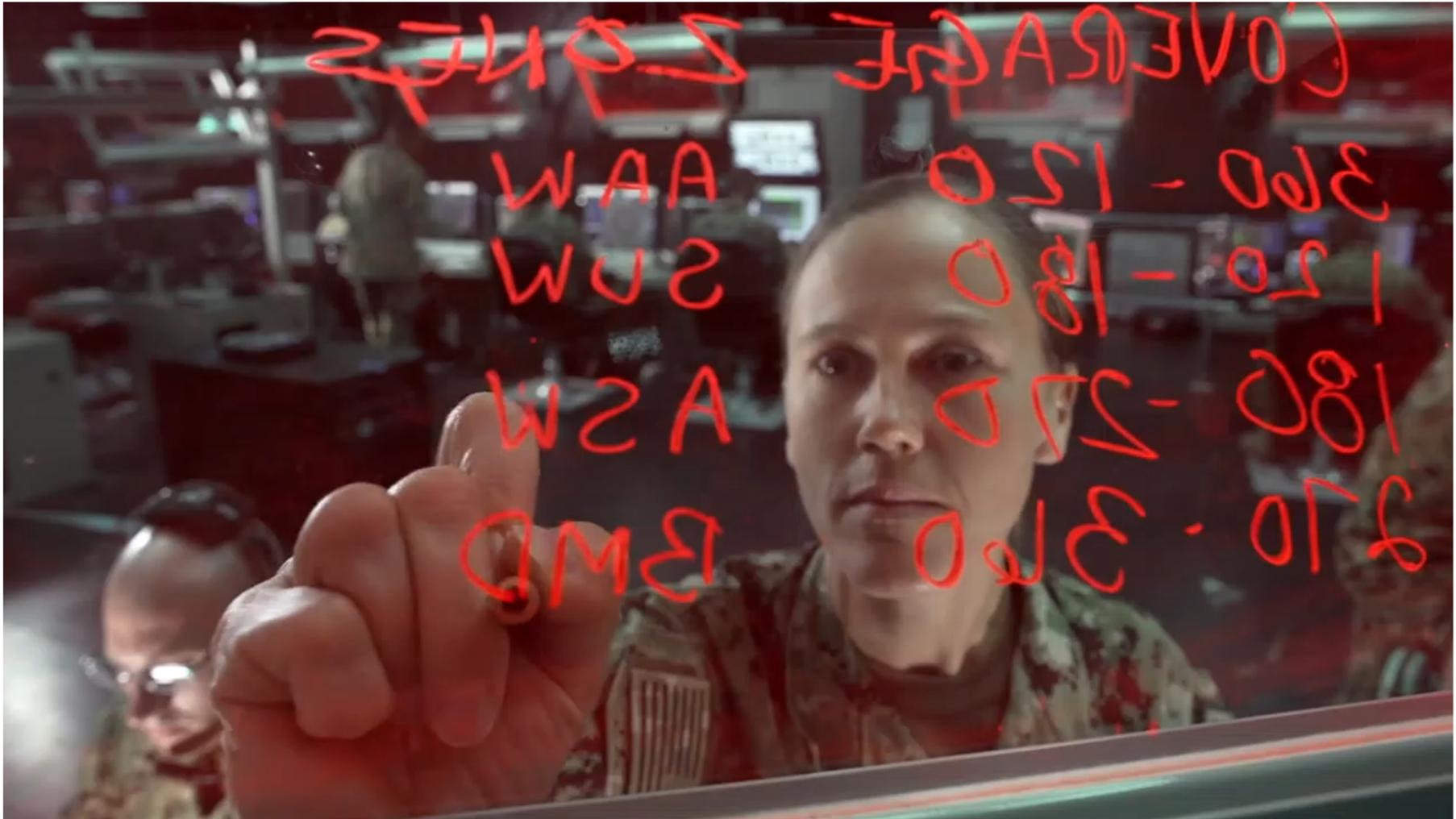
# STAVE-E



# STAVE-N



# STAVE-CS



- **Mariner Skills Training Centers (MSTC) – in Norfolk and San Diego**
  - Consolidate all surface mariner skills training at SWOS
- **Field new surface warfare officer mariner skills training**
  - OOD Phase 1/2 by 2021 (San Diego) / 2022 (Norfolk)
  - JOOD Course interim training completed 31 May 2019
- **Relocate/Expand BDOC**
  - To address accession increases and the “Summer Surge” in 2021
- **Field new Integrated Navigation Seamanship and Ship-handling Trainer (I-NSST) facilities in Norfolk and San Diego MSTCs and Fleet Concentration Areas (2021 - 2025)**



**A Holistic Career Training Path To Enhance Overall Mariner Skills**



# Engagement with Industry



- **Single Surface Training Integrator**
- **Looking for innovative ideas to transform training in the STAVE environment**
- **Key efforts we need industry engagement are:**
  - **Mariner Skills Training Program (MSTP)**
  - **STAVE (across the domain)**
  - **ZUMWALT Training Facility (ZTF)**
  - **Combined IAMD and ASW Trainer (CIAT)**
  - **Air Defense Strike Group Facility (ADSGF)**

***PMS 339 seeking to foster partnerships with industry to achieve our mission***

# Questions