

NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION



The United States Navy's principal center for training systems:

[RESEARCH]
[DEVELOPMENT]
[ACQUISITION]
[TEST AND EVALUATION]
[PRODUCT SUPPORT]

Training & Simulation Industry Symposium 2020

[AIR WARFARE AND MUCH MORE]

FY19 Summary*

FY19 OBLIGATIONS: \$1.4B
FY19 REIMBURSABLES: \$220M
CONTRACT ACTIONS: 1,351

PERSONNEL	1,563
Government Civilian	1,270
CSS	253
Military	40

+ Naval Aviation



PROJECTS
52
FTE WYS
532
PGM VALUE
\$1,900M

+ Surface



PROJECTS
32
FTE WYS
155
PGM VALUE
\$324M

+ Undersea



PROJECTS
29
FTE WYS
71
PGM VALUE
\$68M

+ Cross Warfare



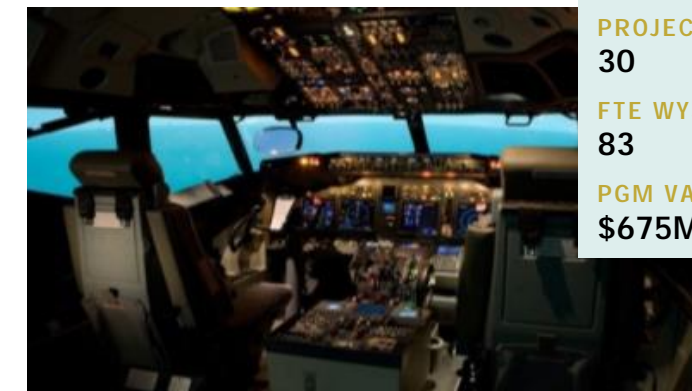
PROJECTS
60
FTE WYS
185
PGM VALUE
\$1,294M

+ Ready Relevant Learning



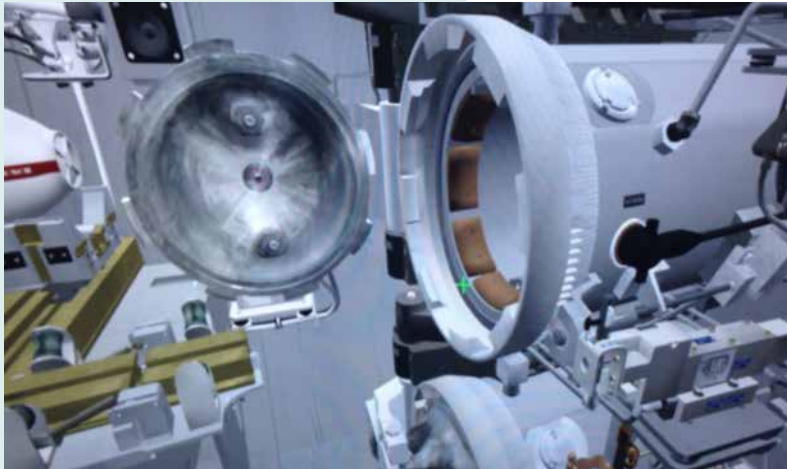
PROJECTS
4
FTE WYS
80
PGM VALUE
\$51M
FYDP
\$1.3B

+ International



PROJECTS
30
FTE WYS
83
PGM VALUE
\$675M

* All numbers approximate
** PGM Value indicates amounts currently obligated on contract



[FOCUS AREAS]

+ FLEET READINESS

- Maintain relevant fielded devices that support current ops

+ EXPANDED FLEET CAPABILITY

- Delivering integrated warfighting capability/networked training opportunities
- Foster Live, Virtual, Constructive (LVC) training solutions

+ LIFE-LONG LEARNING

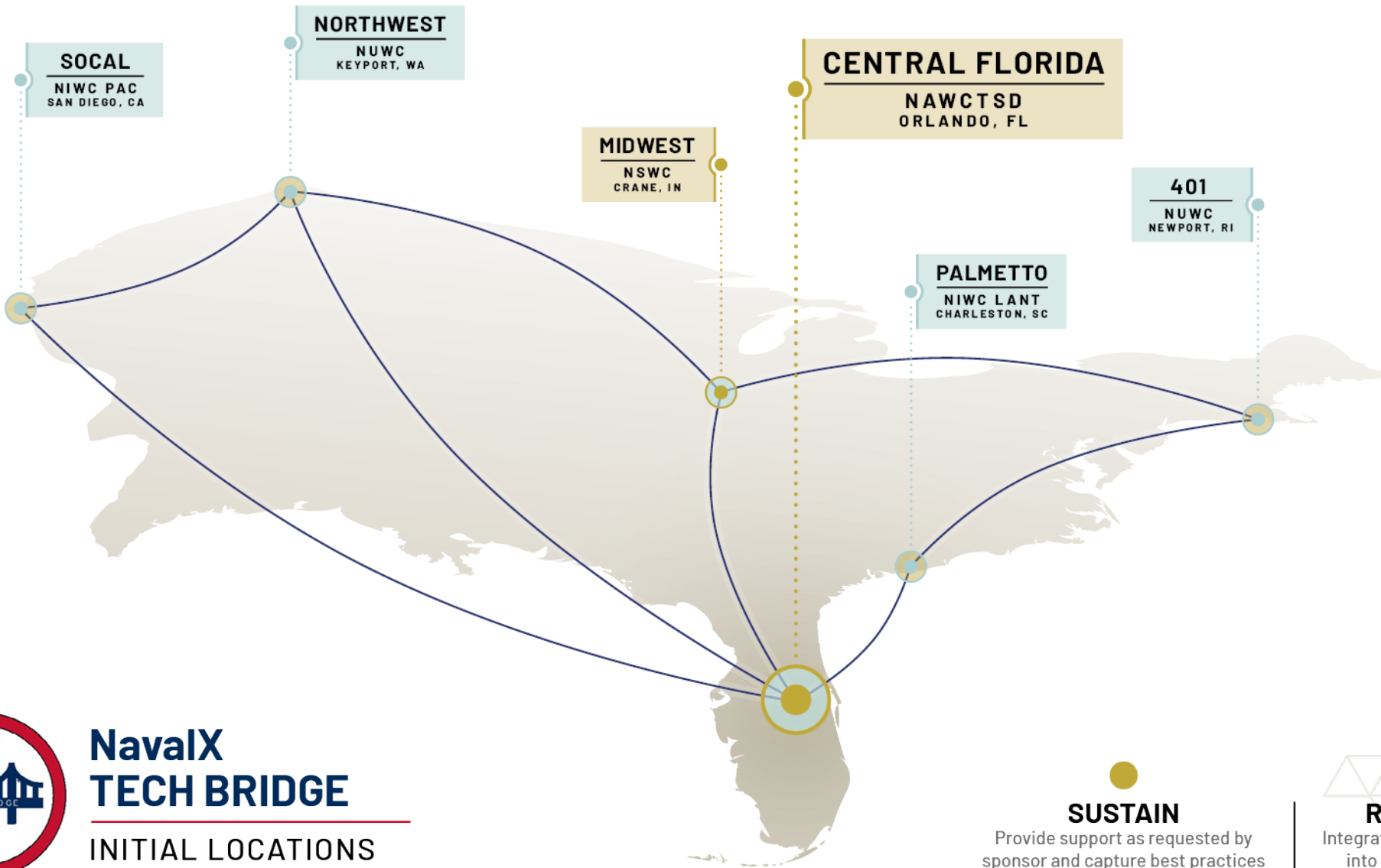
- Meet needs of Navy career path training
- Implement intelligent tutoring and AI across training areas
- Develop embedded assessment and data analysis tools

+ CYBER SECURITY

+ IMPROVED DATA-DRIVEN DECISION MAKING

+ OPTIMIZED PROCESSES FOR SPEED TO THE FLEET

[NavalX TECH BRIDGES] Ecosystem of Ecosystems



[COLLABORATION] We meet Fleet needs *Together!*



STRI



AEMS



NAWCTSD



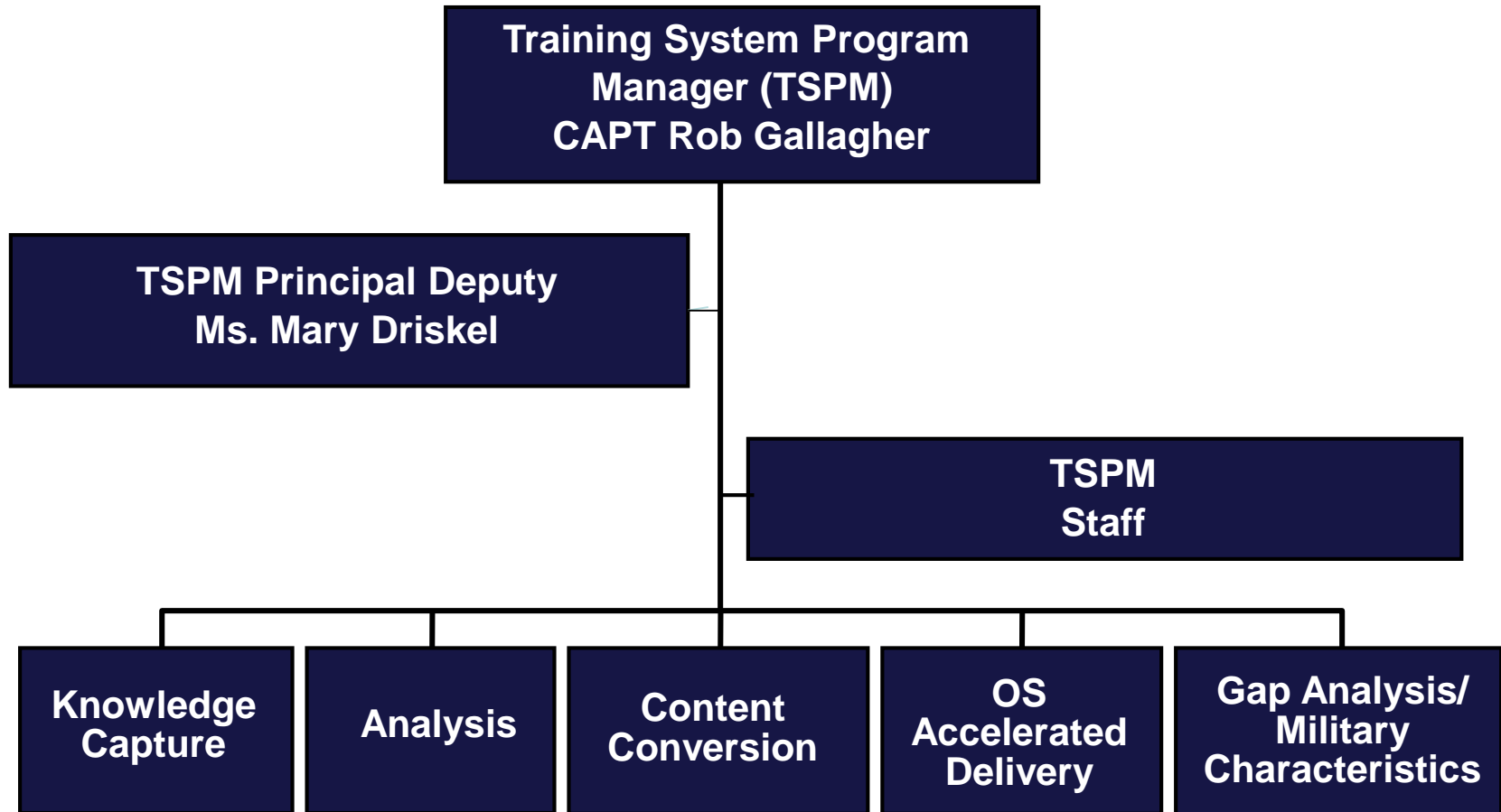
CAPT Robert Gallagher



Ready Relevant Learning Training System Program Manager



Ready Relevant Learning TSPM







Sailor 2025 RRL - FY21 Content Conversion

Description/Summary of Program Requirements

This acquisition is for the conversion of the content and media for the current delivery state of the Aviation Machinists Mate (AD), Aviation Structural Mechanic's Hydraulics (AM), Electronics Technician - Submarines (ETV), Fire Control Technician (FT), Information Systems Technician (IT) Master at Arms (MA), and Mineman (MN) ratings, as well as, Train-The-Trainer (TTT) and course Pilot training activities through a Single-Award, Indefinite Delivery / Indefinite Quantity (IDIQ) Contract.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Full and Open Competitive Single-Award, IDIQ	3 Yrs	June 20  RFP Release	Mar 21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Robert Gallagher Organization: RRL TSPM Phone: 407-380-8311 Email: robert.m.gallagher@navy.mil	\$105M	N/A	



Sailor 2025 RRL - FY22 Content Conversion

Description/Summary of Program Requirements

This acquisition is for the conversion of the content and media for the current delivery state of the Fire Controlman Aegis (FCA), Gunners Mate (GM) and Fire Controlman (FC) ratings, as well as, Train-The-Trainer (TTT) and course Pilot training activities through a Single-Award, Indefinite Delivery / Indefinite Quantity (IDIQ) Contract.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Full and Open Competitive Single-Award, IDIQ	3 Yrs	Q3 FY21  RFP Release	Q2 FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Robert Gallagher Organization: RRL TSPM Phone: 407-380-8311 Email: robert.m.gallagher@navy.mil	\$195M	N/A	



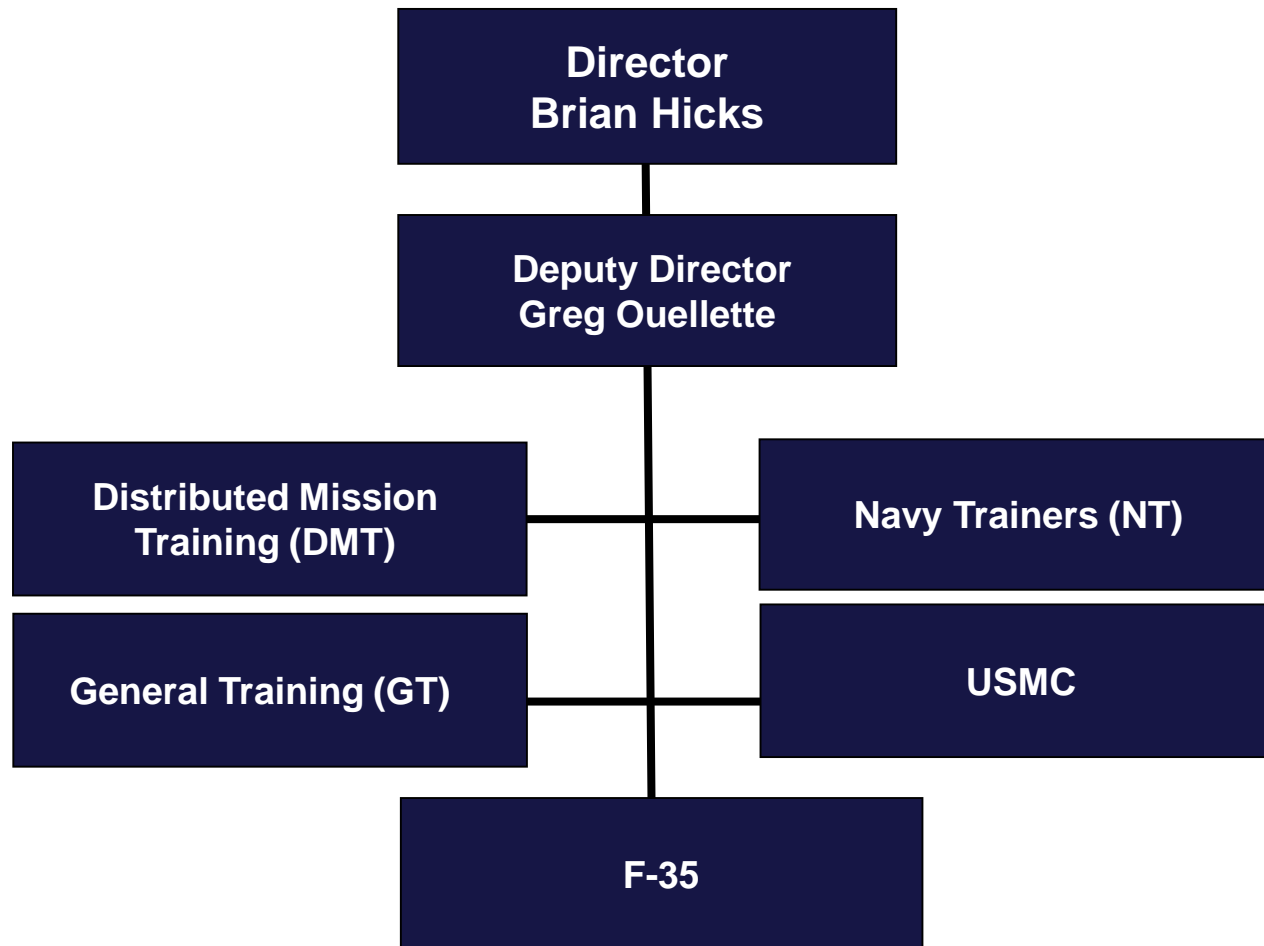
Brian Hicks

Director, Aviation Programs





Aviation Programs Organization





Navy Training Systems







Aviation Courseware Development

Description/Summary of Program Requirements

Numerous aviation platforms in-production and in sustainment require revision, update and/or new development of Organizational and Intermediate Maintenance (CNATTU) and operator (Pilot-AW FRS/Weapon School) courseware training materials. Includes FLASH Courseware conversion.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Competitive - Full and Open – Small Business Set Aside	5 Years	Sep 2020  RFP Release	2 nd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD, PDA Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$100M	Carley	



MH-60R/S Concurrency and Technology Refresh

Description/Summary of Program Requirements

Simulator and Electronic Classroom computer resource update to the MH-60R/S maintenance training systems and operational flight trainers. Incorporate trainer unique Engineering Changes Orders and deficiency corrections. Improve cyber security posture of MH-60R/S training systems. Implement latest Coordinated Distributed Mission Package and Distributed Mission Training requirements.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
New Competitive IDIQ – Full and Open	6 Years	4 th Qtr FY22  RFP Release	2 nd Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.Sullivan@navy.mil	\$60M	CAE/JF Taylor/BSC	



P-8A Jacksonville Tech Refresh

Description/Summary of Program Requirements

Hardware obsolescence technology refresh to all devices (OFT, WTT, PTT, TSSC, Maintenance Trainers).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Years	3 rd Qtr FY22  RFP Release	3 rd Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.Sullivan@navy.mil	\$100M	Boeing	



P-8A Whidbey Island Tech Refresh

Description/Summary of Program Requirements

Hardware obsolescence technology refresh to all devices (OFT, WTT, PTT, TSSC).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Years	3 rd Qtr FY23  RFP Release	3 rd Qtr FY24  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.Sullivan@navy.mil	\$100M	Boeing	



F/A-18C/D USMC Image Generator Technology Refresh

Description/Summary of Program Requirements

F/A-18 C/D Tactical Operational Flight Trainer upgrade to a more powerful Image Generator.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	TBD	Jun 2020  RFP Release	Nov 2020  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$6.5M	L3	



F/A-18C/D Simulated Aircraft Maintenance Trainer (SAMT) Upgrade

Description/Summary of Program Requirements

Upgrade the F/A-18C/D Simulated Avionics Maintenance Trainer (SAMT) to SCS/OFP 31C and update corresponding maintenance courseware.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV	3 Years	3 rd Qtr FY21  RFP Release	1 st Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$12M	American Systems Corporation (ASC) Is OEM, JF Tailor did last upgrade to 23X. Courseware upgrades by DP Associates.	



F/A-18E/F & EA-18G H18 Configuration Set/Operational Flight Program (SCS/OFP)

Description/Summary of Program Requirements

The H18 Software Configuration Set/Operational Flight Program (SCS/OFP) program will update the F/A-18E/F & EA-18G TOFT software to be concurrent with the fielded aircraft.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	3 Years	2 nd Qtr FY21  RFP Release	4 th Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$10M	Boeing	



F/A-18E/F/G Maintenance Training System Tech Refresh

Description/Summary of Program Requirements

Hardware obsolescence/technology refresh to F-18E/F Maintenance Training Devices



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	3 Years	3rd Qtr FY21  RFP Release	1 st Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$12M	Boeing	



F/A-18E/F/G Technology Refresh

Description/Summary of Program Requirements

Hardware obsolescence/technology refresh to all devices (TOFTs, LCTs and Maintenance Trainers).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	3 Years	1 st Qtr FY22  RFP Release	1 st Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.Sullivan@navy.mil	\$25M	Boeing/L3	



F/A-18E/F & EA-18G H20 Configuration Set/Operational Flight Program (SCS/OFP)

Description/Summary of Program Requirements

The H18 Software Configuration Set/Operational Flight Program (SCS/OFP) program will update the F/A-18E/F & EA-18G TOFT software to be concurrent with the fielded aircraft.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	3 Years	2 nd Qtr FY23  RFP Release	4 th Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$10M	Boeing	



F/A-18E/F Tactical Operator Flight Trainer (TOFT) Block III Upgrade

Description/Summary of Program Requirements

Upgrade the F/A-18E/F TOFTs to the Block III Configuration



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	TBD	<div>TBD</div> <div></div> <div>RFP Release</div>	<div>TBD</div> <div></div> <div>Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	TBD	Boeing/L3	



EA-18G Tactical Operational Flight Trainer (TOFT) Block II Upgrade

Description/Summary of Program Requirements

Upgrade the EA-18G TOFTs to the Block II Configuration



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	TBD	<div>TBD</div> <div> RFP Released</div>	<div>TBD</div> <div> Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	TBD	Boeing	



E-2D Hawkeye Integrated Training System IV

Description/Summary of Program Requirements

Develop and Integrate E-2D DSSC-4 capability in the HITS (WST's, DDRT's, SMT's, PPC and Instructional Systems) for Norfolk, Pt Mugu and Iwakuni. Build and integrate into new LP-49 Annex building (FY24) WST #6. Develop and provide technical evaluation for application of DSSC-5 for future Contract actions. Develop DSSC 5 capability in appropriate System Integrated Lab environment for all applicable HITS Devices. Transition program post DSSC #4 to 'Program Level' development and integration environment.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Years	Jun 2020  RFP Release	3 rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD, PDA Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$390M	Collins Aerospace	



CNATRA T-45C VMTS Aircraft & Simulator Alignment

Description/Summary of Program Requirements

Significant differences exist between T-45C Virtual Mission Training System (VMTS) aircraft & Operational Flight Trainer (OFT) device # 2F205A, with training disparity inhibiting Student Naval Flight Officers (SNFOs) from developing skill patterns required to meet Course Training Standards. Deliver Part Task Trainer (PTT) to meet syllabus radar task learning objectives. PTT accurately replicates capability and operations of the simulated radar currently utilized in 2F205A OFT. Provide aircraft concurrency updates to six T-45C VMTS OFTs and radar PTT located at Naval Air Station Pensacola FL.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	4 Years	Jun 2020  RFP Release	2 nd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$45M	Boeing	



CNATRA Advanced Helicopter Training System (AHTS) Part Task Trainers (PTT)

Description/Summary of Program Requirements

Acquire Cockpit Procedural and Part Task Training devices to train undergraduate Rotary Wing Pilots at NAS Whiting Field FL:

- Cockpit Procedural Training
- Avionics and Flight Management System Familiarization
- Pilot Flight Task Familiarization



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TBD	2 years	Sep 2020  RFP Release	2 nd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD, PDA Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	TBD	N/A	



CNATRA Multi Crew Simulator (MCS) Block 2 Modernization

Description/Summary of Program Requirements

Modifying and upgrading the software, hardware, and associated components for Naval Flight Officer (NFO) Multi Crew Simulator (MCS). Replace obsolete components in two (2) devices located at Naval Air Station Pensacola FL. Capability improvements include Internet Relay Chat (IRC), improved Internal Communication System (ICS), background radio chatter, JMPS to enhance Fleet-relevant mission planning, datalink enhancements, and enhance graphical user interface for development station. Redesign and replace obsolete components. Migrate from WIN7 to WIN10 Operating System (OS).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TBD	3 Years	4 th Qtr FY21  RFP Release	2 nd Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$7.5M	CAE	



F-16 Technology Refresh

Description/Summary of Program Requirements

Modifying and upgrading the software, hardware, and associated components for F-16 Operational Flight Trainer (OFT) device. Redesign and replace obsolete and noncompliant computation machines and components, and correct performance deficiencies.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV	2 Years	4 th Qtr FY22  RFP Release	2 nd Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$7M	N/A	



F-5 Technology Refresh

Description/Summary of Program Requirements

Modifying and upgrading the software, hardware, and associated components for F-5 Operational Flight Trainer (OFT) device. Redesign and replace obsolete and noncompliant computation machines and components, and correct performance deficiencies.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV	2 Years	4 th Qtr FY24  RFP Release	2 nd Qtr FY25  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$7M	N/A	



MQ-8 Technology Refresh

Description/Summary of Program Requirements

Modifying and upgrading the software, hardware, and associated components for MQ-8C Mission Control Station and Maintenance Trainers.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TBD	5 Years	4 th Qtr FY23  RFP Release	2 rd Qtr FY24  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$25M	MFS	



General Training Systems







Parachute In-Water Release Trainer Platform Upgrade

Description/Summary of Program Requirements

- Device 9F2, Parachute In-Water Release Trainer (referred to as the Drag). This effort is to replace a pool-side device platform at ASTC Cherry Point, NC with a new platform made of non-corrosive fiberglass reinforced polymer (FRP).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA	TBD	4th Qtr FY20  RFP Release	1st Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$4M	N/A	





Helicopter Rescue Hoist Trainer and Parachute Overwater Survival Trainer (POST) Platform Upgrades

Description/Summary of Program Requirements

- Device 9H1, Helo Hoist Platform Upgrade and Device 9F9A, Parachute Overwater Survival Trainer (POST) Platform Upgrade. This effort is to replace 11 pool-side device platforms with new platforms made of non-corrosive fiberglass reinforced polymer (FRP) using Government provided design.
- There are 7 Helo Hoist device platforms to be replaced at ASTC's in: Pensacola, FL; Jacksonville, FL; Cherry Point, NC; Norfolk, VA; Patuxent River, MD; Whidbey Island, WA; & Lemoore, CA.
- There are 5 POST device platforms to be replaced at ASTC's in: Pensacola, FL; Jacksonville, FL; Norfolk, VA; Patuxent River, MD; & Whidbey Island, WA.

Note: The platform structure at ASTC Jacksonville supports both 9H1 and 9F9A devices.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA	TBD	4th Qtr FY21  RFP Release	1st Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$4M	N/A	



Marine Corps Training Systems





KC-130J Fuselage Trainer & Observer Training Aid Procurement

Description/Summary of Program Requirements

KC-130J Fuselage Trainer and Observer Training Aid Procurement

Planned contracting approach is to use a follow on Air Force contract to the C/KC/AC/HC-130 Maintenance and Aircrew Training System (JMATS) awarding in late FY21. This contract will be managed by the USAF Simulator Program Office and has been used successfully for USMC KC-130J Training device procurements.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
Sole Source, FFP New Contract at the SPO Wright Patterson AFB	36 Months	<div>Nov 2021 △ RFP Release</div> <div>May 2022 △ Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$20M	Lockheed Martin



KC-130J Weapon System Trainer and Cockpit Procedures Trainer Procurement

Description/Summary of Program Requirements

KC-130J WST and Cockpit Procedures Trainer procurement

Planned contracting approach is to use a follow on Air Force contract to the C/KC/AC/HC-130 Maintenance and Aircrew Training System (JMATS) awarding in late FY21. This contract will be managed by the USAF Simulator Program Office and has been used successfully for USMC KC-130J Training device procurements



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
Sole Source, FFP New Contract at the SPO Wright Patterson AFB	36 Months	<div>Feb 2022</div> <div>△</div> <div>RFP Release</div> <div>Aug 2022</div> <div>△</div> <div>Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$33M	Lockheed Martin



C/KC-130T T-56 Series 3.5 Engine Upgrade Training

Description/Summary of Program Requirements

Current C/KC-130T Legacy Simulators in Ft Worth (2F152/2F107/2F176) will require engine performance model updates and aero model updates that reflect new performance parameters of the C/KC-130T aircraft following the T-56 series 3 mod. Additionally, maintenance training devices and aircrew and maintenance courseware updates will be required.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV	24 Months	Mar 2022  RFP Release	Oct 2022  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Brian Hicks Organization: NAWCTSD Phone: (407) 380-8085 Email: Brian.Hicks@navy.mil	\$4.5M	J.F. Taylor Inc.	





USMC Aviation Distributed Virtual Training Environment (ADVTE) Technical Upgrades and Completion

Description/Summary of Program Requirements

Implement ADVTE at 1st and 4th Marine Aircraft Wing (MAW) Marine Aviation Training System Sites. Effort will also include improvements to existing 2nd and 3rd MAW ADVTE equipment and capability. Includes modernization of the currently fielded ADVTE equipment including Network Exercise Control Centers (NECC), and other “System-of-System” improvements to increase Virtual and Constructive training capability, and increase the number of systems that can connect to conduct distributed mission training capability across USMC ATS training sites.

- Draft SOW and draft PRF released for an **Industry Day / Site Visit, conducted 24 October at MCAS Miramar, CA**
- Industry **one-on-one sessions conducted week of 11 Nov 19**
- Updated draft technical information (SOW/SPEC) May 2020 - Update to Industry Day Documentation only
- Draft RFP: Expected in Jun 2020 following Data Requirements Review Board (DRRB) – intended to include Contract Sections L and M

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
New Contract, Unrestricted Competitive [Not under TSC-IV]	54 Months	<div>Jul 2020  RFP Release</div> <div>Jan 2021  Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$40M	Veraxx Engineering Corp. (Original Developer)



AV-8B Maintenance Trainer Technology Refresh



Description/Summary of Program Requirements

Conduct a Technology Refresh to AV-8B Avionics, Electrical, Armament, Power Plant, Flight Controls, and Landing Gear Maintenance Trainers located at MCAS Cherry Point, NC

No planned industry day

Draft RFP Planned, Date TBD

45 Days planned from RFP release to Proposal due

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC VI: Restricted to Small Business Based on Market Research Analysis	24 Months	Jul 2020  RFP Release	Dec 2020  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$3.5M	CymSTAR (Previous Mod Contractor)	



AV-8B Weapons System Trainer (WST) / Deployable Mission Rehearsal Trainer (DMRT) Operational Flight Program Upgrade

Description/Summary of Program Requirements



Assess and implement OFP Upgrades (H6.2, H7.0, H7.1) into WST and DMRT Trainers to reflect concurrent OFP/operational capabilities with AV-8B Aircraft

- Market Research Sources Sought Notice posted and responses received.
- 1/14/2020: Market Research Sources Sought Responses have evaluated

No planned industry day

Draft RFP Planned, Date TBD

45 Days planned from RFP release to Proposal due

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV: Restricted to Small Business Based on Market Research Analysis	24 Months	Aug 2020  RFP Release	Jan 2021  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$7.5M	LSI (OEM)	





AH-1Z and UH-1Y (H-1) Mission Rehearsal Trainer (MRT)

Description/Summary of Program Requirements

The H-1 MRT will bridge a gap in deployed training capabilities by providing pilot and aircrew a deployable mission rehearsal device.

The scope of this effort is to provide multiple AH-1Z and UH-1Y ("H-1") Mission Rehearsal Trainers (MRT) that will improve aircrew operational training and readiness, and reduce operational risk.

The H-1 MRT is envisioned to be a smaller footprint part-task-trainer with a visual system, simulated aircraft cyclic/collective/pedals and touchscreen interfaces for key aircraft systems such as the Multi and Dual-Function Displays (M/DFD), aircraft Keyboard, and weapon and countermeasure systems. Desired objective is to procure up to 12 H-1 MRTs through the NAVAIR Other Transaction Authority (OTA) in Pax River, MD. Process will start with a request for white papers to address H-1 MRT needs. Gov't will review the white papers and select one contractor to assist in finalizing the Statement of Work (SOW), leading up to the contract award planned for November 2020 for the first H-1 MRT device. Award of subsequent MRT devices may or may not occur at a later date.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Other Transaction Authority (OTA)	32 to 48 Months	Aug 2020  RFP Release	Nov 2020  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	\$ 14M (includes all potential devices)	New Device	





USMC Tactical Environment Technical Upgrades and Completion (TEn) (TUC)

Description/Summary of Program Requirements

Implement improvements and complete the USMC TEn to connect and implement/integrate/deliver a common TEn software and hardware baseline across all MC ATS (1st, 2nd, 3rd, and 4th Marine Aircraft Wing (MAW)) Marine Aviation Training System Sites (MATSS).

- Two contract actions under this overall effort.
- **Contract Action 1:** Limited TEn software changes driven by current high priority AV-8B / H-1 platform training requirements
- **Contract Action 2:** Modify, upgrade, enhance, install, integrate the TEn baseline driven by Platform and ADVTE Requirements. This effort will complete and rebaseline the TEn across all ATS training devices that use the TEn, Including NASMP and DIS bridges
- PPC Planned for July 2020 will finalize Contract Approach for Contract Actions 1 & 2

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Contract Action 1: New Contract [Not under TSC-IV] Contract Action 2: New Contract [Not under TSC-IV] Contract Approach not yet approved	Delivery Period #1: 30 Months Delivery Period #2: 45 Months	#1: Sep 2020 #2: Mar 2021  RFP Release	#1: Dec 2020 #2: Jul 2021  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: CAPT Lisa Sullivan Organization: PMA-205 Phone: (301) 757-6944 Email: Lisa.M.Sullivan1@navy.mil	#1: \$.8M #2: \$30M	Veraxx Engineering Corp. (Original Delveloper)	

NAWCTSD

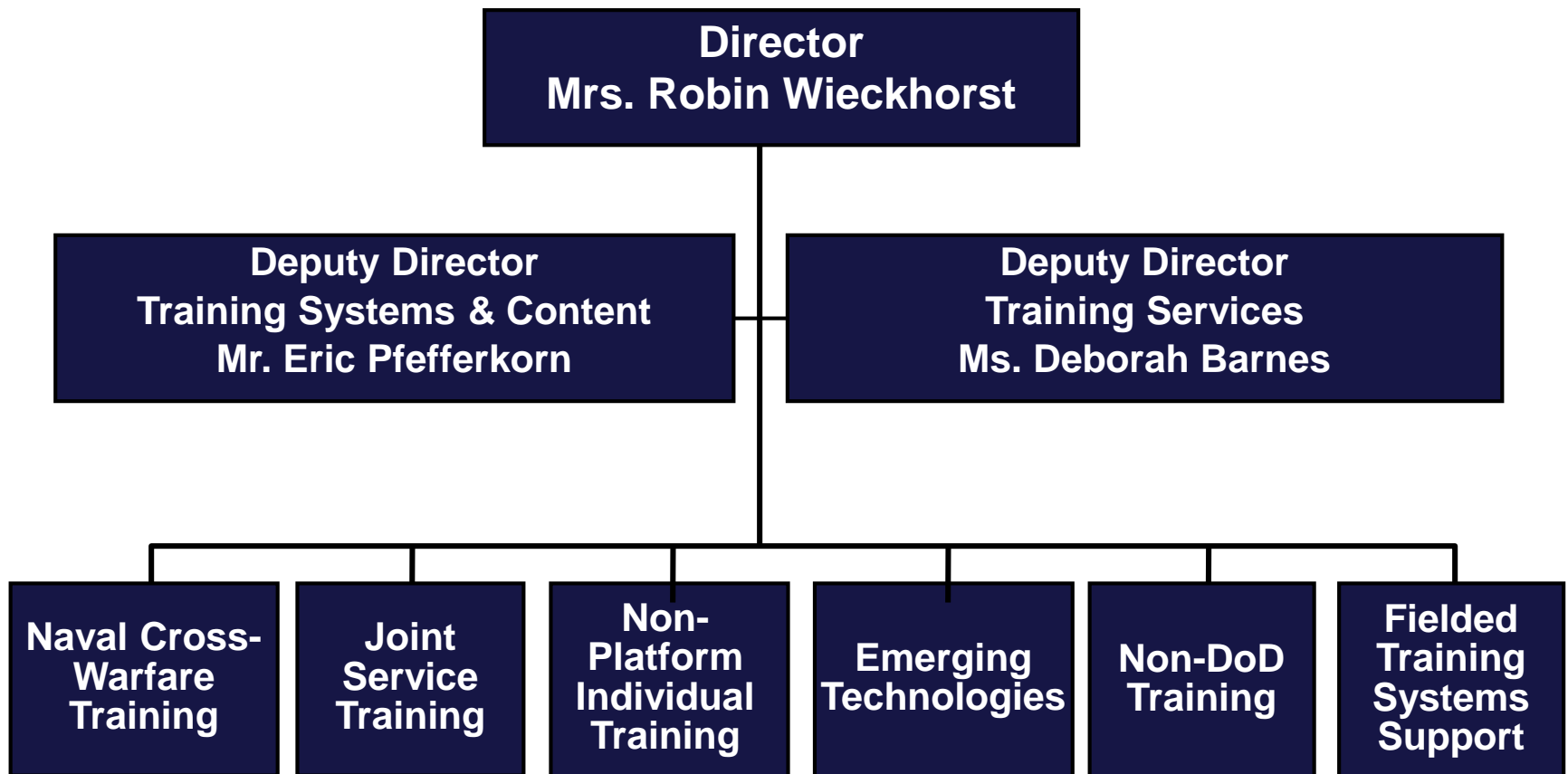


Robin Wieckhorst

Director, Cross-Warfare Programs



Cross-Warfare Programs Organization







NAWCTSD Product Line Management

Description/Summary of Program Requirements

Cross-platform contract supporting multiple U.S. Navy programs to stand up/refresh U.S. Navy IT systems (e.g. classrooms, labs, part-task trainers, etc.) while maximizing the re-use of an Information Technology (IT) common hardware baseline. Support will include procure hardware from a common IT baseline, install software (including OSs), integrate IT systems, test, and deliver fully functional IT systems.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA IDIQ Sole Source 8(a) Alaska Native Corporation (ANC)	3 Yrs	Released  RFP Release	Sep 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$50M	N/A	



Cargo Offload Discharge System (COLDS)

Description/Summary of Program Requirements

Provides contractor operation, maintenance and instruction for Improved Navy Lighterage System (INLS) craft. The contractor provides classroom and at-sea, high risk instruction and maintenance for the INLS operational craft.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Years	3rd Qtr FY22  RFP Release	2nd Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$25M	Pacific Architects and Engineers (PAE)	



Internal Contractor Services Support (iCSS)

Description/Summary of Program Requirements

NAWCTSD Competencies and Program Directorates require Contractor Support Services (CSS) to assist in the acquisition and management of Navy training systems. Required disciplines include engineering, instructional systems, program management, logistics, public affairs, and financial analysis. The CSS requirements are for temporary augmentation of the NAWCTSD workforce. The CSS are required throughout the acquisition life cycle, from concept refinement through operation and support.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA WOSB Competitive	5 Yrs	Released  RFP Release	Jul 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$110M	Zenetex	



Fielded Training Systems Support (FTSS) V

Description/Summary of Program Requirements

Multiple Award Contract (MAC) vehicle to provide task orders for Contractor Operation and Maintenance Services (COMS) and Contractor Instructional Services (CIS) and associated services for USN/USMC units. Covers recurring FTSS sustainment requirements for primarily COMS and CIS. Ancillary FTSS services include but are not limited to: training device relocations, training systems management, minor modification support, and in-service engineering support. Supports aviation and non-aviation customers.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
MAC with Unrestricted Lot 1 and a SBSA Lot 2 Competitive	5 Yr base ordering period plus 3 1-Yr Options	2nd Qtr 21  RFP Release	4th Qtr 21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$1.0B ceiling	Multiple: 9 FTSS IV Lot I MAC contractors	



Naval Introductory Flight Evaluation (NIFE)

Description/Summary of Program Requirements

Chief of Naval Air Training Command (CNATRA) requires contractor services, supplies and tasks for the operation and support of the United States Navy (USN) Naval Introductory Flight Evaluation (NIFE) program. NIFE training will be conducted in the NAS Pensacola, FL area.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA SDVOSB Competitive	5 Yrs	Released  RFP Released	Jun 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$25M	N/A	



Command Aircraft Crew Training (CACT) C-26D

Description/Summary of Program Requirements

Labor, equipment, training facilities, supervision and other services necessary for training of aircrew personnel of the Navy's C-26D (Navy configured Metroliner SA-227 aircraft) pilot training. This contract supports training for the Commander Naval Air Force, U.S. Atlantic and Pacific Fleets (CNAP and CNAL).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Yrs	Released  RFP Release	Jun 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$3M	Flight Safety International (FSI)	



Command Aircraft Crew Training (CACT) UC-35

Description/Summary of Program Requirements

Labor, equipment, training facilities, supervision and other services necessary for training of aircrew personnel of the UC-35C (Navy configured Cessna Citation V ULTRA/CE-500-560) and UC-35D (a Navy configured Cessna Citation V ENCORE/CE-500-560) pilot training. This contract supports training for various commands.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	6 Yrs	Jun 20  RFP Release	4th Qtr FY20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$10M	Flight Safety International (FSI)	



Command Aircraft Crew Training (CACT) T-44C

Description/Summary of Program Requirements

Labor, equipment, supervision and other services, necessary to provide pilot training for the Navy T-44C ProLine 21(PL21) aircraft. The T-44C is a Navy configured Raytheon/Beechcraft King Air C-90 with a modified ProLine 21 avionics suite.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Yrs	Jun 20  RFP Release	4th Qtr FY20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$50M	CAE USA	



Command Aircraft Crew Training (CACT) C-40A Maintenance

Description/Summary of Program Requirements

Labor, equipment, training facilities, supervision and other services, necessary to provide organizational level maintenance training for the C-40A (Navy configured Boeing 737-700C Increased Gross Weight [IGW] aircraft).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Full and Open Competitive	5 Yrs	Aug 20  RFP Release	1st Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$5M	Delta Airlines	



Pilot & Aircrew Courseware Revision and Maintenance (PACRM)

Description/Summary of Program Requirements

Indefinite Delivery/Indefinite Quantity (IDIQ) Multiple Award Contract (MAC) with Firm-fixed-price (FFP) and Cost-plus-fixed-fee (CPFF) components to support of ongoing requirement to procure Pilot and Aircrew Courseware Revision and Maintenance (R&M) services for Navy and Marine Corps' Training Programs.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA MAC Competitive	5 Yr Base with two 1 Yr options	Jul 20  RFP Release	3rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$90M ceiling	N/A	



Pilot and Aircrew Courseware R&M E-2 / C-2 / Landing Signal Officer

Description/Summary of Program Requirements

Revision and Maintenance (R&M) of E-2, C-2, and Landing Signal Officer (LSO) Fleet Readiness Squadron (FRS) and Weapons School Pilot and Aircrew courseware, located at NAS Oceana, VA.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
PACRM MAC Competitive	5 Yrs	Jul 20  RFP Release	3rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$5M	Crew Training International, Inc (CTI)	



Pilot and Aircrew Courseware R&M USN /USMC

Description/Summary of Program Requirements

Revision and Maintenance (R&M) of curriculum, to include support of Electronic Classrooms (ECR), Learning Resource Centers (LRC), network systems, and Foreign Military Sales (FMS) in support of USN / USMC training located at MCAS Cherry Point, NC (VMAT-203, VMU FRD, KC-130 FRD), MCAS New River, Jacksonville, NC, (HMHT-302), NS Norfolk, VA (HM-12, HSCWSL), MCAS Camp Pendleton, CA (HMLAT-303), MCAS Beaufort, SC (MATSS) and MCAS Miramar, CA (MATSS).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
PACRM MAC	5 Yrs	1st Qtr FY22  RFP Release	2nd Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$15M	Crew Training International, Inc (CTI)	



Pilot and Aircrew Courseware R&M Maritime

Description/Summary of Program Requirements

Revision and Maintenance (R&M) of curriculum, to include support of Electronic Classrooms (ECR), Learning Resource Centers (LRC), network systems, Foreign Military Sales (FMS) and Cooperative Projects in support of Maritime Patrol and Reconnaissance Aircrew Training Programs located at NAS Jacksonville, FL. Patrol Squadron Thirty (VP-30) and Maritime Patrol and Reconnaissance Weapons School (MPRWS).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
PACRM MAC Competitive	5 Yrs	4th Qtr FY22  RFP Release	1st Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$10M	A. Harold and Associates, AHA	



Naval Aviation Survival Training Program COMS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) on behalf of Commander, Bureau of Medicine and Surgery (BUMED) to support Naval Aviation Survival Training Program (NASTP) training devices and requirements at NAS Jacksonville, FL, NS Norfolk, VA and MCAS Cherry Point, NC.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA Competitive	5 Yrs	Released  RFP Release	Jun 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$5M	Engineering Support Personnel (ESP)	



USMC Aviation Training Systems COMS/CIS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) and Contractor Instructional Services (CIS) on behalf of Commander, Naval Air Forces Atlantic (CNAL) and Pacific (CNAP), and Center for Naval Air Technical Training (CNATT) to support USMC AV-8B, KC-130, MV-22, CH-53E, UH-1, CH-53K, AH-1, and MAWTS training devices and requirements at MCAS Cherry Point, NC, MCAS New River, NC, MCAS Yuma, AZ, Camp Pendleton, CA, and MCAS Miramar, CA.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS IV Competitive	5 Yrs	Jun 20  RFP Release	1st Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$125M	Valiant Global Defense Services	



F/A-18 COMS/CIS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) and Contractor Instructional Services (CIS) on behalf of Commander, Naval Air Forces Atlantic (CNAL) and Pacific (CNAP), and Center for Naval Air Technical Training (CNATT) for F/A-18 training at NAS Oceana, VA, MCAS Beaufort, SC, MCAS Miramar, CA, NAS Lemoore, CA, NAS Whidbey Island, WA and CIS for EA-18G at NAS Whidbey Island, WA and F/A-18 at NAS Lemoore, CA and MCAS Miramar, CA.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS IV Competitive	5 Yrs	Jul 20  RFP Release	2 nd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$110M	Valiant Integrated Services	



Contractor Instructional Services, Atlantic (CISLANT)

Description/Summary of Program Requirements

Contractor Instructional Services (CIS) on behalf of Commander, Naval Air Forces Atlantic (CNAL) to support training devices and requirements at NS Norfolk, VA, NAS Jacksonville, FL, NS Mayport, FL, and NAS Oceana, VA. Support may include: E-2C/D, MH-53E, H-60, F/A-18, P-3, P-8, MQ-4, and MQ-8.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS IV Competitive	5 Yrs	1st Qtr FY21  RFP Release	3rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$90M	LB&B	



CNATRA COMS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) on behalf of Chief of Naval Air Training (CNATRA) simulators and other training devices. These devices are on site in government facilities at the following locations: NAS Meridian, MS – Training Air Wing ONE, NAS Kingsville, TX – Training Air Wing TWO, NAS Corpus Christi, TX – Training Air Wing FOUR, NAS Whiting Field, Milton, FL – Training Air Wing FIVE, and NAS Pensacola, FL – Training Air Wing SIX.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS IV Competitive	5 Yrs	3rd Qtr FY21  RFP Release	1st Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$40M	Fidelity Technologies, Inc.	



Maritime COMS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) on behalf of Commander, Naval Air Forces Atlantic (CNAL) and Pacific (CNAP), and Center for Naval Air Technical Training (CNATT) to support P-3C, EP-3E, MQ-4 and P-8A training devices and requirements at NAS Jacksonville, FL and NAS Whidbey Island, WA.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS IV Competitive	5 Yrs	1st Qtr FY22  RFP Release	3rd Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$80M	LB&B	



Naval Aviation Technical Training Center (NATTC) COMS/CIS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) and Contractor Instructional Services (CIS) on behalf of Center for Naval Aviation Technical Training (CNATT) to support Naval Aviation Technical Training Center (NATTC) training devices and requirements at NAS Pensacola, FL and Joint Base Maguire/Dix/Lakehurst, NJ.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS V, Lot 2 SBSA Competitive	5 Yrs	3rd Qtr FY22  RFP Release	1st Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$15M	Engineering Support Personnel (ESP)	



Chief of Naval Air Training (CNATRA) CIS

Description/Summary of Program Requirements

Contractor Instructional Services (CIS) to be performed in support of Chief of Naval Air Training (CNATRA) student throughput requirements. These services are performed on site in government facilities at the following locations: NAS Meridian, MS – Training Air Wing ONE, NAS Kingsville, TX – Training Air Wing TWO, NAS Corpus Christi, TX – Training Air Wing FOUR, NAS Whiting Field, Milton, FL – Training Air Wing FIVE, and NAS Pensacola, FL – Training Air Wing SIX.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS V Lot 1 Competitive	5 Yrs	3rd Qtr FY22  RFP Release	2nd Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$140M	CAE, USA, Inc.	



Western Pacific (WESTPAC) COMS/CIS

Description/Summary of Program Requirements

Contractor Operation and Maintenance Services (COMS) and Contractor Instructional Services (CIS) on behalf of Commander, Naval Air Forces Pacific (CNAP) to support F/A-18, KC-130J, MV-22B, E-2D, H-60, H-53, H-1, and P-3 training devices and requirements at Okinawa, Atsugi, Kadena, and Iwakuni, Japan and at MCB Kaneohe, Hawaii.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS V Lot 1 Competitive	5 Yrs	4th Qtr FY22  RFP Release	2 nd Qtr FY23  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$15M	Engineering Support Personnel (ESP)	



Fleet Readiness Center East (FRCE) Depot Level Maintenance (DLM)

Description/Summary of Program Requirements

NAWCTSD contracts for a workforce of 35 - 45 annual workyears to support aircraft, aircraft engines, and associated components/material that are undergoing Depot Level Maintenance (DLM) at FRCE Cherry Point and MCAS New River. Weapons Systems include: H-1, H-46, H-53, V-22, AV-8, F/A-18, F-35, EA-6B. Engines include: F402, T58, T64, T400, T700, and GE-38.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA 8(a) Competitive	7 Yrs	Released  RFP Release	Jun 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$90M	AVMAC LLC	



Fleet Readiness Center Southeast (FRCSE) Production Support Services (PSS)

Description/Summary of Program Requirements

Production Support Services (PSS) in support of Depot Level Maintenance (DLM) at FRCSE and its supported areas which includes Production Control, Warehouse Specialist, Transportation, Supply Technician, Stock Clerk, and Tools and Parts Attendant (TPA) services.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA Competitive	6 Yrs	Jun 20  RFP Release	4th Qtr FY20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$55M	ProLog	



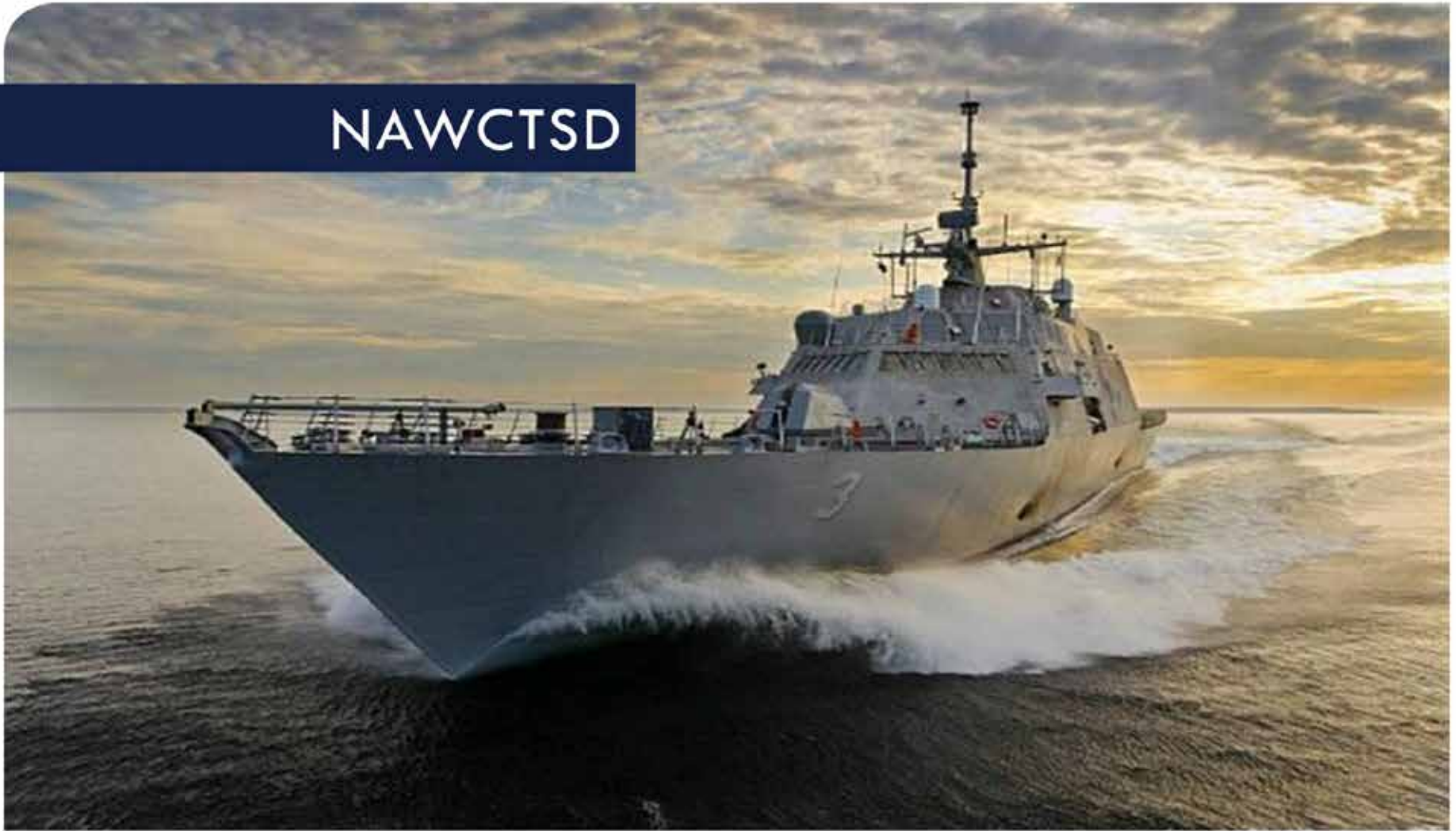
Fleet Readiness Center East (FRCE) Engineering Support Services (ESS)

Description/Summary of Program Requirements

Engineering Support Services (ESS) at FRCE and its supported areas provides the full range of engineering support for aircraft, engines and support systems, and development of engineering data, Technical Directives (Bulletins, Changes, etc.), Technical Manuals, Drawings, and Engineering Investigations.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA Competitive	5 Yrs	Sep 20  RFP Release	3 rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mrs. Robin Wieckhorst Organization: Cross-Warfare Programs Phone: 407-380-4214 Email: robin.wieckhorst@navy.mil	\$35M	LTM Inc.	

NAWCTSD



Paul Honold

Director, Surface and Undersea Warfare Programs



Program Directorate, Surface & Undersea Organization

Director
Mr. Paul Honold

Surface & Expeditionary Warfare Programs

LCS TSEA Deputy
Mr. Chris Korn

Deputy Director
Mr. Ron Winstead

Military Deputy
Vacant

Surface Warfare
Schools Command
Training

Combat Systems
Training

Hull, Mechanical &
Electrical

Littoral Combat
Ship Training
Project Office

Navigation,
Seamanship &
Shiphandling

Amphibious
Warfare Training

Fire Fighting &
Damage Control

Operations &
Maintenance
Services

Instructor
Services (NSS,
GCIS)

Undersea Programs

Deputy Director
Mr. William Zeller

Military Deputy
CDR Kramer

MRTS 3D
Undersea

MRTS 3D
Aviation

VISIT 3-D

MRTS 3D
Surface, other

Submarine
Navigation

Hull, Mechanical &
Electrical

Submarine
Fire Fighting

Contractor
Maintenance
Services

Front-End
Analysis



Surface Training
Advanced Virtual
Environment



Surface Training Immersive Gaming & Simulations (STIGS)

Description/Summary of Program Requirements

Single Award Indefinite Delivery/Indefinite Quantity Contract (ID/IQC) for fielding of new virtual system simulation products and interactive courseware as well as the continued lifecycle support of existing systems. Current devices include Navigation System Maintenance Trainer, Hull Mechanical & Electrical Training Devices, Foreign Military Sales Device 14A12 Japan Anti-Submarine Warfare (ASW) Team Trainer and Littoral Combat Ship (LCS) Immersive Virtual Shipboard Environment (IVSE) Courseware. Currently under protest.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Full & Open Competitive	5 Year Ordering Period	Released  RFP Released	July 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$99M	Alion, Cubic	

The information provided is for planning purposes and is subject to change without notice.





AEGIS Ashore Team Trainer (AATT) Ballistic Missile Defense (BMD) 5.1 Build 24.0.6.3 and Build 35 – Phase II

Description/Summary of Program Requirements

Design, develop, integrate, test and deliver, AATT BMD 5.1 Build 24.0.6.3 and Build 35 capabilities to support AEGIS Ashore Missile Defense System (AAMDS) watch team BMD qualification and certifications requirements conducted at CSCS Dam Neck VA. Scope will include simulation software development/modification, AEGIS baseline 9B updates, and configuration management. A phased contract approach will be implemented:

Phase I – Requirements Analysis Working Groups

Phase II – Deliver BMD 5.1 Build 24.0.6.3 and Build 35 Enhancement

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
Sole Source	24 Months	<div>Feb 20</div> <div></div> <div>RFP Released</div> <div>Jun 20 (PH II)</div> <div></div> <div>Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$8M	Lockheed Martin





AEGIS Ashore A3C4I BMD 5.1 Build 24.0.6.3 and Build 35 Training Enhancement – Phase II

Description/Summary of Program Requirements

Design, develop, integrate, test and deliver, AEGIS Ashore Assured Command, Control, Communications, Computers and Intelligence (A3C4I) – Ballistic Missile Defense (BMD) 5.1 Build 24.0.6.3 and Build 35 Training Upgrade, to support AEGIS Ashore Missile Defense System (AAMDS), A3C4I personnel training. A3C4I is a subsystem of the AEGIS Ashore Team Trainer, Device 20F27. This is a PC-based Open-architecture for Reconfigurable Training Systems (PORTS) simulation application. A phased contract approach will be implemented:

Phase I – Requirements Analysis Working Group

Phase II – A3C4I BMD 5.1 Build 24.0.6.3 and Build 35 Enhancement



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	24 Months	Feb 20  RFP Released	Jun 20 (PH II)  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$3M	Northrop Grumman	



PORTS ID/IQ Contract

Description/Summary of Program Requirements

Single Award Indefinite Delivery/Indefinite Quantity Contract (ID/IQC) for award of multiple Delivery Orders through the period of performance for the support of the PC-Based Open Architecture Reconfigurable Training Systems (PORTS). This will be the follow-on contract vehicle to replace the existing PORTS ID/IQC and includes the Multi-Mission Team Trainers. Scope will include simulation software development and modification, related instructional content development, hardware technical refresh, new training systems, configuration management, performance monitoring and evaluation, intelligent tutoring, and other actions as specified.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Year Ordering Period	May 20  RFP Released	June 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$67M available ceiling \$5M on DO #1	Northrop Grumman	



The information provided is for planning purposes and is subject to change without notice.



PORTS ID/IQC DO #2

Description/Summary of Program Requirements

Delivery Order #2 on the PORTS ID/IQC providing for work in support of the Multi-Mission Tactical Trainer (MMTT), a new Anti-Submarine Tactical Air Controller (ASTAC) trainer, Tactical Data Link (TDL) trainer requirements, Air Intercept Controller (AIC) training, and potentially the Naval Surface Fire Support (NSFS) trainer.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	1-2 years	July 20  RFP Release	Sept 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	TBD	Northrop Grumman	



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Surface Firefighting Trainer Smoke System Replacement/AFFF System Removal

Description/Summary of Program Requirements

Replace obsolete smoke generation systems for the family of Navy Surface Fire Fighting Trainers to current industry standard technology. Removal of deteriorating Aqueous Film Forming Foam (AFFF) components and systems, which are no longer a training requirement. Replace current degraded Non-Skid throughout the Damage Control Wet Trainers (DCWT) for Newport, RI, San Diego, CA and Norfolk, VA to comply with safety requirements for Non-Skid. Also includes removal and replacement of deteriorated Watertight Hatches and Scuttles for Norfolk, VA, San Diego, CA and Newport, RI Wet Trainers.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV SBSA Competitive	5 years (includes base devices and options)	Nov 19  RFP Released	June 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$1.5M	N/A	



Surface Navy Curriculum Modernization and Analysis IDIQ

Description/Summary of Program Requirements

Single Award Indefinite Delivery/Indefinite Quantity Contract (ID/IQC) to create and modernize surface mission area curricula to include Combat Systems; Hull, Mechanical & Electrical (HM&E); Firefighting and Damage Control; Navigation, Seamanship & Shiphandling; Deck and Amphibious Warfare. Scope to include Curriculum/courseware new development, update and revision for instructor-led (Authoring Instructional Material - AIM/Content Planning Module -CPM/Learning Objective Model - LOM) and Computer Based Training courseware. Computer-Based Training (CBT)/Interactive Courseware (ICW) development, update, and revision in accordance with NETC E2E Process, and OPNAV/NETC Front End Analysis (FEA) products.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
WOSB Set Aside Competitive	5 Year Ordering Period	Nov 19  RFP Released	August 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$49M	N/A	



The information provided is for planning purposes and is subject to change without notice.



Navigation Seamanship Shiphandling Contractor Instructor Services (NSS CIS)

Description/Summary of Program Requirements

Performance-based contract to provide instructor services for NSS related courses, provide curriculum updates and to serve as subject matter experts for NSS topics within the Surface Warfare Enterprise. This re-compete will address the requirements of Surface Warfare Schools Command in all major fleet concentration areas. There are a total of 12 sites. Re-compete required due to significant increase and change in requirements from previously awarded contract.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
FTSS IV Competitive	5 Years	May 20  RFP Release	August 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	TBD	LB&B	



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Engineering Contractor Instructor Services (ECIS)

Description/Summary of Program Requirements

Previously titled Global Contractor Instructor Services. Performance-based contract to provide instructor services to augment military instructors for engineering and damage control related courses, provide curriculum updates and to serve as subject matter experts for various surface and expeditionary warfare training systems within the Surface Warfare Enterprise. This re-compete will address the requirements of Surface Warfare Schools Command at all major fleet concentration areas.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SDVOSB Competitive	5 Years	Aug 20  RFP Release	Feb 21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	TBD	Prevailance Inc.	



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Pacific Northwest Firefighting and Damage Control Training

Description/Summary of Program Requirements

Contract to provide turnkey (courses and facilities) for live-fire Fire Fighting and Damage Control Training courses(s) for Navy and Coast Guard personnel stationed in the Pacific Northwest (PACNORWEST) Fleet Concentration Area (FCA), in the Seattle, WA area.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA Competitive	5 Years	Mar 20  RFP Released	Aug 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$6M	WRG Fire Training	



The information provided is for planning purposes and is subject to change without notice.



Ship to Shore Connector (SSC) Training Systems

Description/Summary of Program Requirements

Acquire SSC training solutions in support of PMS377 new craft deliveries to replace Landing Craft Air Cushioned vehicles. Training solutions required for SSC Crew Operations and Maintenance Training comprised of Instructor Lead Training, Electronic Classrooms, Virtual and Full Mission Trainers to support training of Co-Pilots, Flight Engineer, Loadmaster, Deck Engineers, C4N, Electrical, Propulsion, Structural, Crew Familiarization and Crew Advanced Qualification Training. Analysis of potential training solutions and options. Base award projected to include Advanced Qualification Training Device and Operations Course.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV SBSA Competitive	3 years	Oct 20  RFP Release	Mar 21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$30M (thru FY23) Base: \$10M	N/A	



The information provided is for planning purposes and is subject to change without notice.



Riverine Small Boat Trainers

Description/Summary of Program Requirements

Previously titled NECC Multi-Boat Simulators. Acquire training solutions for new reconfigurable boat simulator (MK VI and Patrol Boat 40) in support of Coastal Riverine Force training of Visit, Board, Search, and Seizure (VBSS), Security force assistance (SFA), High value unit (HVV) shipping escort and Theater security cooperation (TSC). Emphasis of the training will be on requirements associated with the bridge crew, including the conduct of multi-boat maneuvers, navigation, and weapons engagement. Base award planned for PB-40 only.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV SBSA Competitive	20 Months for Base award	July 20  RFP Release	Dec 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$20M Base: \$5M	N/A	



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Littoral Combat Ship (LCS) Virtual Ship Training System (VSTS) Virtual Reality Labs (VRL)

Description/Summary of Program Requirements

Procure, install, and integrate equipment to complete installation of 10 additional CLASSIFIED/ UNCLASSIFIED Virtual Reality Labs and two (2) CLASSIFIED/UNCLASSIFIED Brief/De-Brief rooms at the Littoral Training Facility, located on Naval Station Mayport, FL. Additionally, procure and install equipment to complete installation of one (1) UNCLASSIFIED VRL on Jacksonville Executive at Craig Airport (KCRG).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
GSA Schedule 70 Competitive	2 Years	Jun 20  RFP Release	Jul 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$6.5M	Triton Joint Venture (JV) LLC	



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Littoral Combat Ship (LCS) Knifefish/UISS Simulator Upgrade

Description/Summary of Program Requirements

Effort to update Mission Bay Trainer assets at the LCS Training Facilities in San Diego and Mayport. Scope to include launch and recovery of the Knifefish and Unmanned Influence Sweep System (UISS) vehicles, line-zeroing function, and Windows 10 upgrade to system. Effort includes build, install, test, document and delivery as applicable.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV SBSA Competitive	TBD	June 20  RFP Release	Sept 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$2M	Cubic	



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7M/11M RIB Coxswain Simulator Trainer

Description/Summary of Program Requirements

Effort to create coxswain simulator trainer at facilities in Coronado, California, Mayport, Florida, and Little Creek, Virginia to replace current outdated trainer. Scope to include multiple desktop simulators, one 240-degree immersive simulator, various small-boat operations, and realistic feedback for students. Effort includes build, install, test, document and delivery as applicable. Market research currently on-going as well as development of RFP documentation. Schedule for RFP release is on-hold pending resolution of funding.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TBD Competitive	TBD	TBD  RFP Release	TBD  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	TBD	N/A	



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Littoral Combat Ship (LCS) Mission Bay Trainer Update

Description/Summary of Program Requirements

Effort to create and modernize Mission Bay Trainer assets at the LCS Training Facilities in San Diego, and Mayport. Scope to include updates to cyber security, ordnance hoists, simulators, haptic devices, small boats, vehicle cradles, and cranes as required. Effort includes build, install, test, document and delivery as applicable. RFP release is on hold pending resolution of funding.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TSC IV Competitive	TBD	TBD  RFP Release	TBD  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$2M	Cubic	



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ET "A" School Naval Communications Trainer

Description/Summary of Program Requirements

Design, develop, test and deliver, Navy Command, Control, Communications, Computer and Intelligence (C4I) simulated equipment for training Electronic Technician (ET) "A" School students in the operations of Naval communications equipment at Naval Station Great Lakes.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source SBIR Phase III, JHT Inc	TBD	2 nd Qtr FY21  RFP Released	4 th Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$3M	N/A	



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Surface Navigation Seamanship Shiphandling Training DO 5

Description/Summary of Program Requirements

Procure and deliver Navigation Training devices to Norfolk, Pearl Harbor, Everett, Rota, & Temporary Yokosuka Facility. Devices requirements: Bridge/Command Information Center (CIC) Team, Bridge Team, Bridge Watchstander, Senior Navigator Officer of the Deck (OOD), Junior Navigator OOD, Radar Navigation Team.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole source delivery order	TBD	July 20  RFP Release	Nov 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$57M	GDIT	



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Surface Navigation Seamanship Shiphandling Trainer IDIQ

Description/Summary of Program Requirements

Single Award Indefinite Delivery/Indefinite Quantity Contract (ID/IQC) for fielding of new Navigation Seamanship Shiphandling Trainers (NSSTs). Part task, Individual, Team Trainers in support of TYCOM, SWTSC and CSCS Training stakeholders. Trainer types include full Bridge/CIC Team, Bridge Team, Individual Senior Navigator Officer of the Deck (OOD), Individual Junior OOD, Radar Navigation Team, and Small Boat Rigid Hull Inflatable Boat (RHIB) operator.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Full & Open Competitive	5 Year Ordering Period	4 th Qtr FY21  RFP Release	2nd Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	TBD	GDIT	

The information provided is for planning purposes and is subject to change without notice.

NAWCTSD



Paul Honold



Director, Surface & Undersea Programs



Advanced Computer-based Training Systems IDIQ

Description/Summary of Program Requirements

Single Award IDIQ to provide computer models, applications, and other digital content for Multipurpose Reconfigurable Training System 3D® (MRTS 3D®), Virtual Interactive Shipboard Instructional Tour 3D™ (VISIT 3D™), and related trainers. Maintain middleware/programming interfaces, software development guidelines, and digital content libraries. Deliver classroom and laboratory equipment to Fleet training centers. Act as lead systems integrator for future application development by third parties.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
SBSA Competitive	5 Year Ordering Period	Released  RFP Release	June 20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$99M	Pro-Active	



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Advanced Computer-based Training Systems Multi-Award Contract

Description/Summary of Program Requirements

Multi-award IDIQ to provide computer models, applications, and other digital content for Multipurpose Reconfigurable Training System 3D® (MRTS 3D®), Virtual Interactive Shipboard Instructional Tour 3D™ (VISIT 3D™), and related trainers using Government provided software development kits. Work with the ACTS IDIQ lead systems integrator for computer model and application development and testing.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
MAC Competitive	5 Year Ordering Period	1st Qtr FY21  RFP Release	1st Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$200M	N/A	



The information provided is for planning purposes and is subject to change without notice.



Submarine Contractor Maintenance Services

Description/Summary of Program Requirements

Provide Contractor Maintenance Services (CMS) (FY21 through FY26) for NAWCTSD fielded trainers at the following Submarine Learning Center (SLC) Fleet Training Sites: Naval Submarine School, Groton, CT, (inclusive of Portsmouth, NH); Submarine Learning Facility (SLF), Norfolk, VA; Naval Submarine Training Center Pacific, Pearl Harbor, HI, (inclusive of Ford Island); Submarine Learning Center Detachment, San Diego, CA, (inclusive of North Island); Trident Training Facility (TTF) Bangor, WA, (inclusive of Bremerton); TTF Kings Bay, GA.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• FTSS IV competitive• CPFF	<ul style="list-style-type: none">• 5 years	1st Qtr FY21  RFP Release	3rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Paul Honold Organization: PDS&U Phone: 407-380-4160 Email: paul.honold@navy.mil	\$5.5M Base year	<ul style="list-style-type: none">• Incumbent - Fidelity Technologies Corp	

NAWCTSD



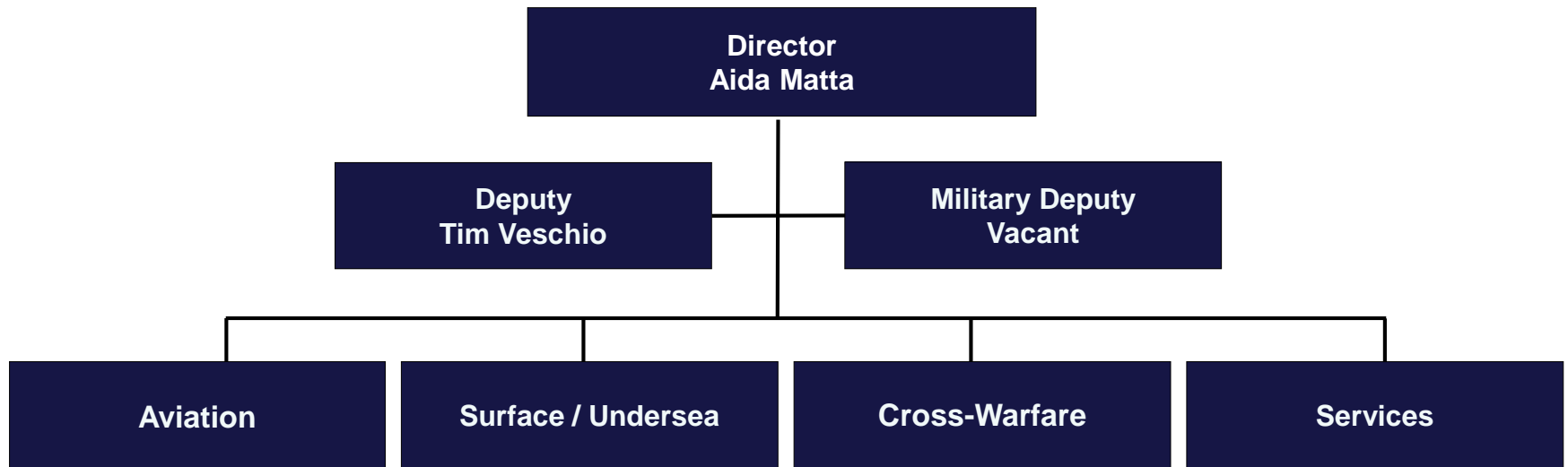
Aida Matta

Director, International Training Products





International Programs Organization







New Zealand P-8A Training Systems

Description/Summary of Program Requirements

The Royal New Zealand Air Force (RNZAF) is purchasing the following Aircrew and Maintenance Training Systems as part of their Total Package Approach in support of the P-8 Aircraft procurement.

One (1) Operational Flight Trainer, one (1) Weapons Tactics Trainer, three (3) Electronic Classrooms, two (2) Debrief Stations, one (1) Virtual Maintenance Trainer, one (1) Training System Support Center (TSSC), one (1) Maintenance Support Cabinet (MSC).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 years	Released  RFP Release	4 th Qtr FY20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	TBD	Boeing	





Republic of Korea P-8A Training Systems

Description/Summary of Program Requirements

The Republic of Korea Navy (ROKN) is purchasing the following Aircrew and Maintenance Training Systems as part of their Total Package Approach in support of the P-8 Aircraft procurement.

One (1) Operational Flight Trainer, one (1) Weapons Tactics Trainer, five (5) Electronic Classrooms, two (2) Scenario Generation Stations (SGS), one (1) Virtual Maintenance Trainer, one (1) Training System Support Center (TSSC), and one (1) Maintenance Support Cabinet (MSC).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 years	Released  RFP Release	4 th Qtr FY20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	TBD	Boeing	



P-8A Training Systems – Future International Partners

Description/Summary of Program Requirements

The Royal Saudi Naval Force (RSNF) is interested in the acquisition of Aircrew and Maintenance Training Systems to support the potential purchase of the P-8 Platform. Training Systems may include Operational Flight Trainer, Weapons Tactics Trainers, Training System Support Center (TSSC), Electronic Classrooms, Virtual Maintenance Trainers, and various other maintenance training devices.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 years	<div>TBD</div> <div>△</div> <div>RFP Release</div>	<div>TBD</div> <div>△</div> <div>Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	TBD	Boeing	



MH-60R RAN Operator and Maintenance Concurrency

Description/Summary of Program Requirements

Simulator updates to operator and maintenance training devices (OFT, WTT, CMT, AMT/WLT), to maintain hardware/software concurrency (system configuration updates to include NGTS/CASE-FI), as well as, incorporation of aircraft Engineering Changes Orders and deficiency corrections.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Years	Released  RFP Release	Oct 2021  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	FMS	CAE	



MH-60R DALO Operator Trainer Concurrency

Description/Summary of Program Requirements

Simulator updates to operator training device (MOFT), to include ASW capability, maintain hardware/software concurrency, and incorporation of aircraft Engineering Changes Orders and deficiency corrections.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	18-22 Months	Nov 2020  RFP Release	Jun 2021  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: (407) 381-8648 Email: aida.matta@navy.mil	TBD	CAE	



MH-60R DALO Operator Trainer Follow-on COMS

Description/Summary of Program Requirements

Continue Contractor Operator and Maintenance of the Simulator for operator training device (MOFT).



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 Years	4 th Qtr FY20  RFP Release	3 rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: (407) 381-8648 Email: aida.matta@navy.mil	TBD	CAE	



MH-60R Training Systems – Future International Partners

Description/Summary of Program Requirements

The Indian Navy is interested in the acquisition of Aircrew and Maintenance Training Systems to support the potential purchase of the MH-60R Platform. Training Systems may include a Tactical Operational Flight Trainer (TOFT) and Avionics Maintenance Weapons Load Trainer (AMWLT), and various other training devices.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
TBD	5 years	TBD  RFP Release	TBD  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	TBD	Sikorsky	



Finland FA-18C 27C(F) WTSAT, DTT, and DBMOC Phase 3 Upgrade

Description/Summary of Program Requirements

Upgrade FA-18C Aircrew Weapons Tactics and Situational Awareness Trainer (WTSAT), Deployable Tactics Trainer (DTT), and Debrief Mission Operation Center (DBMOC) capabilities to address the changes in the SCS 27C(F) build 3.3.1 to 3.5.2. In addition it will address the risk associated with using WINS 7 by upgrading to WINS 10, improve the JTAC functionality, address outstanding DRs and enhance the HLA environment.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	18 months	Jun 2020  RFP Release	Jan 2021  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	FMS	Boeing	



Kuwait F/A-18E/F Training Systems

Description/Summary of Program Requirements

The Kuwait Air Force (KAF) is in the process of procuring FA-18E/F Super Hornet Training and Training Systems in a Block III configuration. This procurement includes Aircrew Training, Aircrew Computer Based Training (CBT), Tactical Operational Flight Trainers (TOFTs) and Low Cost Trainers (LCT's)



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 years	Released  RFP Release	Jun 2020  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	TBD	Boeing	



Australia F/A-18-F/EA-18G Maintenance Training/Trainer System

Description/Summary of Program Requirements

The Royal Australian Air Force (RAAF) is in the process of upgrading their existing FA-18F/EA-18G Australia Training Systems. Affected systems include Maintenance Trainers Integrated Visual Maintenance Environment Trainer (IVEMT) and Maintenance Courseware to H14A SCS sole source contract Boeing.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole source	20 Months	Released  RFP Release	1 st Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	\$14.5M	Boeing	



Australia F/A-18-F/EA-18G Aircrew Training System

Description/Summary of Program Requirements

The Royal Australian Air Force (RAAF) is in the process of upgrading their existing FA-18F/EA-18G Australia Training Systems. Affected systems include Aircrew Trainers Tactical Operational Flight Trainer (TOFT), System Configuration Sets (SCS) H16A software/hardware upgrade from the IDIQ Contract.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Delivery Order IDIQ Sole source	24 Months	3 rd Qtr FY20  RFP Release	2 nd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	\$16.1 M	Boeing	



Australia F/A-18-F/EA-18G Aircrew Training System

Description/Summary of Program Requirements

The Royal Australian Air Force (RAAF) is in the process of upgrading their existing FA-18F/EA-18G Australia Training Systems. Affected systems include Aircrew Trainers Tactical Operational Flight Trainer (TOFT), hardware upgrade IG's/hardware obsolescence for all four TOFTs. Standalone Contract L3Harris.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole source	18 Months	Released  RFP Release	2 nd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	\$4.1M	L3Harris	



Bahrain AH-1Z Flight Training Device

Description/Summary of Program Requirements

Provide one (1) Flight Training Device to be delivered in country for initial and follow-on training.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<p>This effort is no longer being procured by NAWCTSD Contracting Agency, contracting agency is at Pax River.</p> <p>Sole Source</p>	<p>2 years</p>	<p>Released</p>  <p>RFP Release</p>	<p>4th Qtr FY20</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Name: Aida Matta</p> <p>Organization: PDI</p> <p>Phone: 407-381-8648</p> <p>Email: aida.matta@navy.mil</p>	<p>TBD</p>	<p>Bell</p>	





Bahrain AH-1Z International Pilot and Maintenance Training

Description/Summary of Program Requirements

Contractor-provided Pilot and Maintenance training in support of AH-1Z.

Estimating 10 Pilots and 30 – 40 Maintenance Personnel. Training will be conducted in Bahrain.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<p>This effort is no longer being procured by NAWCTSD Contracting Agency, contracting agency is at Pax River.</p> <p>Sole Source</p>	2-3 year	3 rd Qtr FY20  RFP Release	3 rd Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Name: Aida Matta</p> <p>Organization: PDI</p> <p>Phone: 407-381-8648</p> <p>Email: aida.matta@navy.mil</p>	TBD	CTI	



Czech Republic AH-1Z Flight Training Device

Description/Summary of Program Requirements

Provide one (1) Flight Training Device to be delivered in country for initial and follow-on training.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<p>This effort is no longer being procured by NAWCTSD Contracting Agency, contracting agency is at Pax River.</p> <p>Sole Source</p>	2 years	3 rd Qtr FY20  RFP Release	1 st Qtr FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Name: Aida Matta</p> <p>Organization: PDI</p> <p>Phone: 407-381-8648</p> <p>Email: aida.matta@navy.mil</p>	TBD	Bell	



Czech Republic AH-1Z/AH-1Y International Pilot and Maintenance Training

Description/Summary of Program Requirements

Contractor provided Pilot and Maintenance training in support of AH-1Z.
Number of students TBD. Training will be conducted in Czech Republic.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<p>This effort is no longer being procured by NAWCTSD Contracting Agency, contracting agency is at Pax River.</p> <p>Sole source</p>	2-3 year	<p>TBD</p>  <p>RFP Release</p>	<p>TBD</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Name: Aida Matta</p> <p>Organization: PDI</p> <p>Phone: 407-381-8648</p> <p>Email: aida.matta@navy.mil</p>	TBD	Bell	



AH-1Z Training Systems – Future International Partners

Description/Summary of Program Requirements

The Nigerian Air Force is interested in the acquisition of Aircrew and Maintenance Training Systems to support the potential purchase of the AH-1Z Platform. Training Systems may include a Flight Training Device (FTD), Computer Based Training, and various other training devices.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source	5 years	<div>TBD</div> <div>△</div> <div>RFP Release</div>	<div>TBD</div> <div>△</div> <div>Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	TBD	Bell	



Japanese Ground Self Defense Force (JGSDF) MV-22 Training System

Description/Summary of Program Requirements

Procurement of a Block C Half Wing Part Task Maintenance Trainer (HWPTT). This includes spares for the HWPTT and Containerized Flight Training Device.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
Sole Source Contract Vehicle - BOA	36 Months	Released  RFP Release	4 th Qtr FY20  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	\$18M	Bell / Boeing	



Saudi Arabia Multi-Mission Surface Combat (MMSC) Bridge Part Task Trainer System & Egyptian Navy COVE & FMB Training Systems

Description/Summary of Program Requirements

This is a procurement action combining Navigation Training system requirements for Kingdom of Saudi Arabia RSNF and Egyptian Navy. The three distinct training systems are;



Bridge Part Task Trainer – RSNF – modeled after LCS 1 and modified to MMSC ship's drawings and navigational equipment.

Class “A” Bridge Simulator – Full Mission Bridge (FMB)

Class “B” Bridge Simulator – Conning Officer Virtual Environment (COVE)

and , Spare Parts, Unclassified Publications, and associated support.

VSHIP software is common to all three training systems.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<p>TSC IV (SBA) Firm-Fixed Price (FFP) Delivery Order under TSC IV IDIQ MAC</p> <p>Base Award for one FMB, one COVE and one BPTT</p>	3 years	<p>Jun 2020</p>  <p>RFP Release</p>	<p>Oct 2020</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Name: Aida Matta</p> <p>Organization: PDI</p> <p>Phone: 407-381-8648</p> <p>Email: aida.matta@navy.mil</p>	FMS Case Funded SR-P-SBV	<p>BPTT* (CSRA and Xebec)</p> <p>*OEM for LCS Domestic</p>	





Saudi Arabia Multi-Mission Surface Combat (MMSC) Training System – Virtual Ship Training System (VSTS)

Description/Summary of Program Requirements

Royal Saudi Arabia Naval Forces (RSNF) Multi-Mission Surface Combatant is a variant of the US Littoral Combat Ship (LCS). Procurement of LCS type training systems to support RSNF Train to Qualify/Train to Certify requirements.

Requirements for this effort include the Virtual Ship Training System (VSTS), and the Virtual Reality Lab Hardware along with the classroom support equipment including desk & chairs.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
GSA purchase	2 years	Sept 2020  RFP Release	Nov 2020  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	FMS Case Funded SR-P-SBV	VSTS* (Triton JV) *OEM for LCS Domestic	





Saudi Arabia Multi-Mission Surface Combat (MMSC) specific Immersive Virtual Ship Environment (IVSE) Training System

Description/Summary of Program Requirements

Royal Saudi Arabia Naval Forces (RSNF) Multi-Mission Surface Combatant is a variant of the US Littoral Combat Ship. Procurement of MMSC specific Train to Qualify / Train to Certify Training Systems requirements.

This effort is for the MMSC specific Immersive Virtual Ship Environment (IVSE) and is tied to availability of MMSC Hull #1 for possible digital scanning and courseware development requirements.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
STIGS IV	3 years	4 th Qtr FY21  RFP Release	4 th Qtr FY22  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Aida Matta Organization: PDI Phone: 407-381-8648 Email: aida.matta@navy.mil	FMS Case SR-P-SBV	Original Developer - Cubic	



Bob Seltzer

Director, Research and Technology Programs

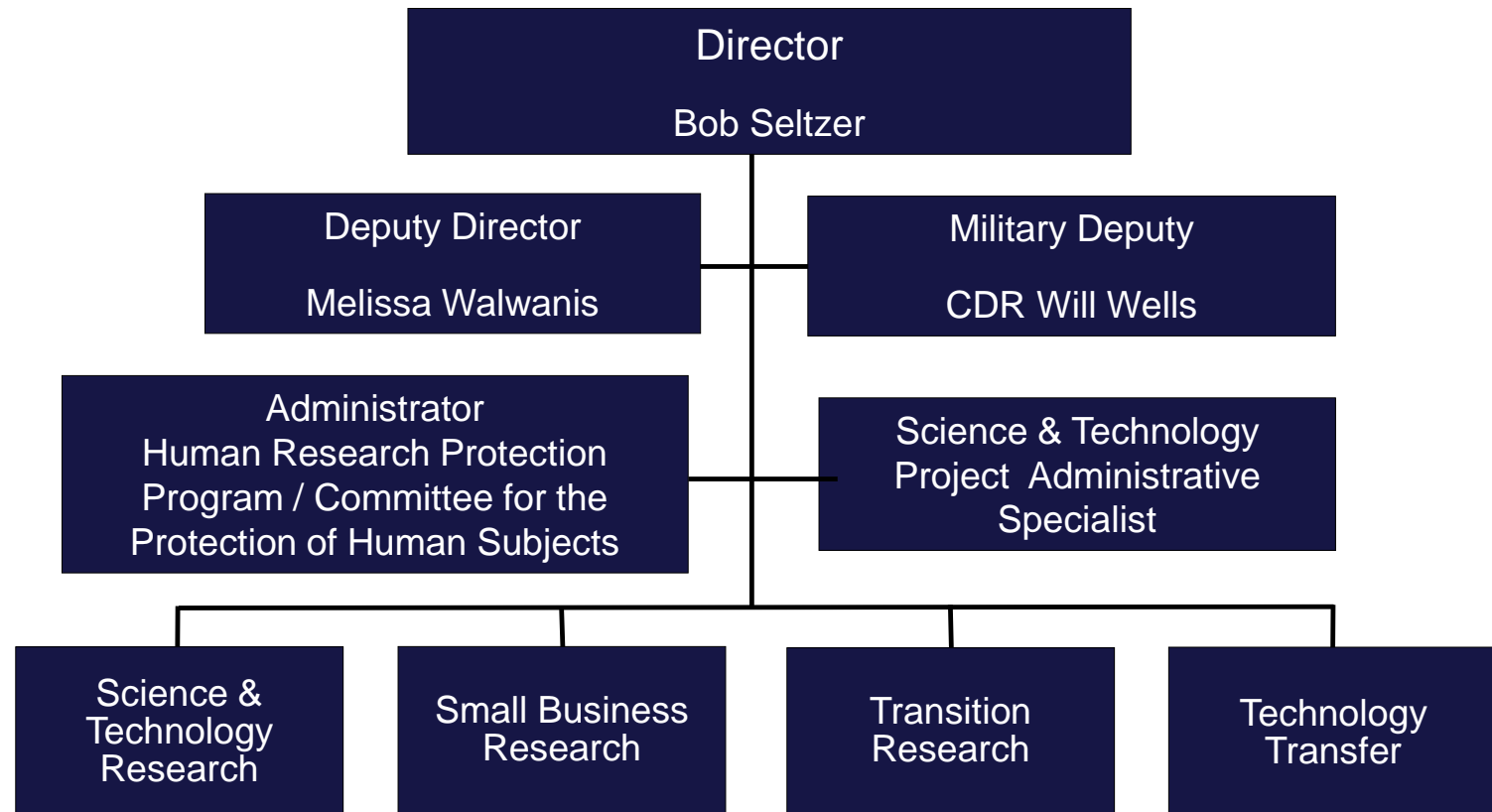
<https://www.navair.navy.mil/nawctsd/TSIS>



Research & Technology Program Directorate

MISSION

Plan & Perform a Full Range of Directed Research and Development in Support of Naval and Other DOD Training Systems for All Warfare Areas and Platforms, to Maintain a Naval Critical Technology Base and Transition Technology Results to the Fleet and Other Customers





NAWCTSD Research Portfolio

- NAWCAD/Office of Naval Research Science & Technology (*BA1-3)
 - Basic Research
 - Applied Research
 - Advanced Development
- DoD Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program
- Navy Demonstrations and Validation Research (BA4-7)
- DoD Research
 - Joint/OSD/DARPA
 - Army/USAF/USMC Research
- Technology Transfer (Gov/Non-DoD Research)

NAWCTSD is a R&D Performer and Partners with Industry and Academia on Proposals and Subsequent Research Efforts

*BA = Budget Activity





Small Business Innovation Research (SBIR) Opportunities

Description/Summary of Program Requirements

- Process (2-3 SBIR solicitations per year)
- Phase I (1st yr): Scope problem & detail innovative solution (\$140K/\$100K option)
- Phase II (2nd-3rd yrs): Develop prototype, test & evaluate (up to \$1.5M)
- Phase III (thereafter): Further R&D development / acquisition transition (Government sole source)

Next Broad Agency Announcement (navysbir.com):

è (20.2) Pre-release: 6 May 2020 Opens: 3 Jun 2020 Closes: 2 Jul 2020

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• SBIR Phase I Competitive SBSA All Contracts Processed at NAWCAD, Lakehurst	<ul style="list-style-type: none">• Phase I: 6 Month w/6 month Option• Phase II: Up to 24 Months• Phase III: Open	6 May 2020  RFP Released	2 Jul 2020  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Name: Mr. Robert Seltzer Organization: R&T Program Office Phone: 407-380-4115 Email: Robert.seltzer@navy.mil	<ul style="list-style-type: none">• Year 1 RDT&E \$140K/\$100K• Year 2-3 RDT&E \$1.5M• Year 4+ Non-SBIR \$s; No Limit/ No Competition Required	<ul style="list-style-type: none">• TBD-Up to 3 awards planned per topic	





Small Business Technology Transfer (STTR) Opportunities

Description/Summary of Program Requirements

- Small business required to team with research or academic institution (non-Government)
- Phase 1(1st yr): Scope problem & detail innovative solution (\$140K/\$100K option)
- Phase II (2nd-3rd yrs): Develop prototype, test & evaluate (\$1.5M)
- Phase III (thereafter): Further R&D development/acquisition transition (Government sole source)
- Large businesses can partner with small businesses (for Phase III)

Next Broad Agency Announcement (navysbir.com):

è (20.B) Pre-release: 6 May 2020 Opens: 3 Jun 2020 Closes: 2 Jul 2020

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> • STTR Phase I <p>Competitive</p> <p>SBSA</p> <p>All Contracts Processed at NAWCAD, Lakehurst</p>	<ul style="list-style-type: none"> • Phase I: 6 Month w/6 month Option • Phase II: up to 24 Months • Phase III: Open 	6 May 20	2 Jul 20
			
		RFP Released	Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Name: Mr. Robert Seltzer</p> <p>Organization: R&T Program Office</p> <p>Phone: 407-380-4115</p> <p>Email: Robert.Seltzer@navy.mil</p>	<ul style="list-style-type: none"> • Year 1 R&D \$140K/\$100K Option • Year 2-3 R&D \$1.5M (Total) • Year 4+ Non-SBIR/STTR \$s; No Limit No Competition Required 	<ul style="list-style-type: none"> • TBD-Up to 3 awards planned per topic 	



NAVAIR SBIR/STTR Proposal Solicitation Topics

- **N202-091: AI for Anti-Submarine Warfare (ASW) Training**

- è PHASE I: Design, develop, and demonstrate feasibility of AI techniques, methods, and models, to augment the Navy ASW capability via the addition of an artificial intelligence (AI) training aid that can also assist as an operational decision-support tool. Demonstrate the feasibility of the proposed training capability within an undersea (or relevant) domain with publicly available training data. The early system should demonstrate a form of explainability and confidence values in outputs provided. Outline future concepts for the inclusion of self-tuning algorithm parameters.

- **N202-098: Voice Recognition to Support Assessment of Cross Platform Situational Awareness and Decision Making**

- è PHASE I: Develop a concept for standalone, voice assessment capability for a single Air Defense platform. Demonstrate feasibility of application into the larger, integrated training system. The concept should include a plan for integration into the NGTS ART to allow voice feedback/assessment to be aligned with unclassified performance data from NGTS and include assessment visualizations to support diagnosis and feedback. The Phase I effort will include prototype plans to be developed under Phase II.

DoD 20.2(SBIR) / B (STTR) Solicitation Opens: 6 May 20 Closes: 2 Jul 20 (www.navysbir.com)



NAVAIR SBIR/STTR Proposal Solicitation Topics

• **N202-111: Desktop Tactics Trainer for Maritime Patrol Aircraft**

è PHASE I: Develop an innovative approach for a computer-based tactical trainer in the maritime patrol domain, or a similar domain for feasibility demonstration. This topic seeks to fill the gap between learning tactics from a book, and utilizing those tactics in a simulator event by providing a low-cost, computer based, simulated environment where students can try out what they learned and practice tactics in advance of discussions, as well as simulator and flight events. Low cost should be considered as a solution that is capable of running on a typical mid-range Windows computer.

• **N202-112: Multi-Domain Data Fusion Instructional Strategies Methods**

è PHASE I: Research and develop training objectives for the multi-domain environment and instructional strategies for manned-unmanned data fusion tactical decision making. Identify training technology to assist instructors with training and/or technologies to support instructorless training (e.g., scaffolding) that might provide beneficial uses in operational contexts for operator job aids when leveraging manned-unmanned data fusion for tactical decision making. Research and develop recommendations for automation transparency to support operator tactical decision making when leveraging manned-unmanned data fusion technology in multi-domain environments.

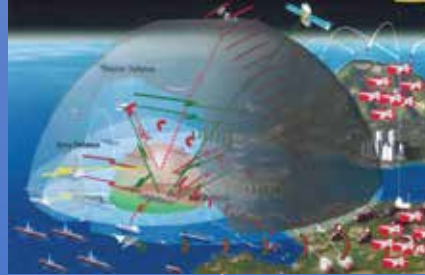
DoD 20.2(SBIR) / B (STTR) Solicitation Opens: 6 May 20 Closes: 2 Jul 20 (www.navysbir.com)

Continuing Areas of Research



Emerging Instructional Methods

- s Adaptive Training Techniques
- s Scenario Based Trg Methods
- s Multi-level Performance Measurement & Assessment
- s Human Performance Measurement Approaches



Challenge Areas Supported

- s Denied & Degraded Environments
- s Electronic Maneuver Warfare
- s Integrated Warfighting Capability
- s Cyber Warfare
- s Manned-Unmanned Teaming



Training Technology & Environments

- s Data Science (AI/ML)
- s eXtended Reality Visual & Haptics Enhancements
- s Live, Virtual, Constructive
- s Effects Modeling
- s Mobile Learning/Deployable
- s Cybersecurity & Cloud-based

Instructional Strategy



NAWCTSD Research Compendium



EXAMINING THE EFFECTS OF GAME FEATURES ON LEARNING IN SCENARIO-BASED TRAINING

OBJECTIVE

The objective of this research is to systematically test the impact of two game features on performance and motivation: score/performance gauges and competition. To date, there is no previous research that suggests adding game gauges increases motivation or enhances performance, and likewise, little research has examined the effect of competition on learner performance and motivation in game-based training.



The Pentapace Operator Adaptive Trainer (POAT) user interface with game gauges included (bottom left).

DESCRIPTION

Previous research has shown mixed results on the efficacy of game features to promote learning outcomes and motivation, and the majority of these studies have not systematically investigated game features to determine which ones are most effective. Based on Cognitive Load Theory, we hypothesized that adding both competition and game features would increase motivation and enhance performance in a simulation-based training task. In a set of experiments, we explored whether the presence of game features (performance gauges and score) and competition features (a leaderboard) affected motivation and learning outcomes within the Pentapace Operator Adaptive Trainer (POAT).

NEED

In light of budget declines, there has been a strong push across the DoD for low-cost training techniques that are engaging, realistic, and can be delivered anytime, anywhere. Game-based training techniques hold promise to meet this demand as they are purported to enhance player motivation. However, existing research on the effectiveness of game-based training is mixed and often non-systematic, resulting in a failure to identify specific game features that lead to better learning and performance outcomes.

PROJECT DURATION
OCT 2015 - SEP 2018

FUNDING SPONSOR
Naval Air Systems Command (NAVSAC)
Section 219

POINTS OF CONTACT
Cheryl Johnson, Ph.D. (PI)
cheryl_johnson@navy.mil
CDR W.B. Walle (PM)
wallewb@navy.mil

BENEFITS

Game-based training may be well-suited to meet the Navy's education objectives, given the popularity of computer games with today's young adults. This research seeks to examine the effects of incorporating game features into simulation-based training, a topic that has not been systematically investigated in the training literature. Previous studies have assessed the value of game-based training over traditional methods of instruction, but few have investigated individual game features and their impact on performance and motivation. The findings of these experiments may have a broad impact on future training systems by offering empirically-based guidance for designing game features to enhance effectiveness.

STATUS

In FY18, the research team conducted two experiments. Experiment 1 was conducted with approximately 120 college students, and the results showed that incorporating game features into training did not improve trainee performance on the task or their motivation to play the game. Experiment 2 was conducted with approximately 20 submarine officer students at NAVSURLANTCOM New London, utilizing a simpler experimental design. Experiment 2 replicated the results of Experiment 1.

MILESTONES

- Completed data collection for Experiment 1 with a college student population and Experiment 2 with Submarine Officer Basic Course (SOBC) students.
- Developed experimental protocol for systematically evaluating game features, such as scores, leaderboards, and performance gauges in the Pentapace Operator Adaptive Trainer (POAT).
- Publication: Mercado, A. D., Johnson, C. L., Landsberg, C. R., & Bailey, S. K. T. (2018, August). A systematic evaluation of game features in simulator-based training. Poster presented at the International Economic Association conference.
- Analyzed data and wrote report of results from SOBC experiment, concluding that game features do not increase motivation nor improve the accuracy of pentapace calls. Adaptive training increased call accuracy regardless of inclusion of game features.

BASIC AND APPLIED RESEARCH • CORE CAPABILITY 2

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Research Compendium can be found at the bottom of the NAWCTSD Web site Home page:
<https://www.navair.navy.mil/nawctsd/node/536>



Hard Problem Solution Space

Fleet Training Req't (Aviation/Surface/Undersea & Ready Relevant Learning)		
Supporting Fleet Training Need		
Current Fleet Training Deficiency/Gap Description		
Related Research		
Government Labs Navy Air Force Army FFRDCs DHS NASA	Industry IRAD SBIRs S&T	Academia FFRDCs & UARCs STTRs Grant Research

KEY: DHS – Defense Homeland Security

FFRDC – Federally Funded R&D Centers (Navy - Center for Naval Analyses)

IRAD – Independent Research & Development

UARC – University Affiliated Research Ctr (Navy – John Hopkins, Penn State, U. of TX, Washington, & Hawaii)



Example: Hard Problem Solution Space

Fleet Training Req't: Maintenance Training (*TS ENARG #8)

Dev. & Integrate a low-cost haptic glove for AR/VR maintenance trg applications

Gap Description: Having the ability to integrate a functional haptic glove brings an added dimension of fidelity realism to certain maintenance tasks that is believed will increase the overall training effectiveness.

Related Research

Government Labs

Navy
Air Force
Army
FFRDCs
DHS
NASA

Industry

IRAD

SBIRs

S&T

Academia

FFRDCs & UARCs

STTRs

Grant Research

*TS ENARG – Training Systems Enabler Navy Aviation Requirements Group



Technology Transfer: Partnering with Industry, Academia, State/Local

Collaborative Research and Development Agreement (CRADA)

- Allows R&D collaboration between NAWCTSD and non-federal partners.
- Provides the means to offer intellectual property (IP) rights to a non-federal partner.
- NAWCTSD can provide:
 - Personnel
 - Facilities/Equipment
 - Intellectual Property (IP)
 - **NO funds**
- Non-federal party can provide:
 - Personnel
 - Facilities/Equipment
 - Intellectual Property (IP)
 - **Funds**

Commercial Service Agreements (CSA)

- Allows the sell of defense articles and/or services that are not available from any United States commercial source.
- Makes services of any government laboratory, center, range or other testing facility available for testing purposes on a reimbursable basis.
- Relies on existing capabilities and expertise
- Requires full reimbursement of Government costs
- Cannot compete with United States private industry



Technology Transfer: Partnering with Industry, Academia, State/Local

Software License Agreement (SLA)

- Agreement between NAWCTSD and an Industry partner which allows them to make, use and sell federally developed software with the assurance that we will not sue for infringement.
- NAWCTSD retains rights to use the software for government purposes.
- Industry partner pays royalties to NAWCTSD.

Patent License Agreement (PLA)

- Agreement between NAWCTSD and an Industry partner which allows them to make, use and sell federally owned inventions with the assurance that we will not sue for infringement.
- NAWCTSD retains rights to use the technology for government purposes.
- Industry partner pays royalties to NAWCTSD.

Search for us on <https://www.federallabs.org/flcbusiness> for more information on available technologies.



New in 2020

Partnership Interim Agreement (PIA)

Diana: Do we need to share anything else to foot stump what the CO opens with on this subject

- Tech Grove is a platform forged through a partnership between NAWCTSD and the University of Central Florida Research Foundation to solve challenging Warfighter problems.
- The Tech Grove is the public facing entity that will facilitate collaboration, innovation and exploration between, Small Businesses, Entrepreneurs, Labs, Academia Team Orlando and Government Stakeholders.



How to Participate in NAWCTSD Research?

- Tell us about your Independent Research and Development (IRAD) efforts
- Respond to SBIR/STTR Solicitations
 - Small Business – Large Industry
- Pursue Cooperative Research and Development Agreements (CRADAs) with NAWCTSD when we find an area of common interest
- Partner on Joint Proposals (Scientist to Scientist/Engineer to Engineer)
 - If successful w/joint proposals several contract vehicle options available:
 - SBIR Phase III
 - NAWCTSD R&D Broad Agency Announcement (S&T projects only)
 - ONR/DoD/funding agency contracting

CO/ED/Diana/Wil/Lisa –

- Assume CO/ED be speaking to the PIA/Tech Grove Yes?
- Or do I ADD Bullet about PIA? Or Separate Slide about PIA before this slide?

<https://www.onr.navy.mil/en/work-with-us/funding-opportunities>

Research & Technology Program Office POC

Director, Bob Seltzer

407-380-4115

Robert.Seltzer@navy.mil



BACKUP



Alignment to Navy S&T Priorities

Prioritized *TS ENARG list

1. Distributed Mission Training
2. SAP all the Time
3. LVC for training
4. Safety-aircrewman and LSO
5. Adversary Recapitalization
6. Full Spectrum EW
7. SIM/AC concurrence
8. Maintenance training
9. Post mission assessment
10. Training Asset Shortfall

FY21 NAVSEA Warfare Ctr Investment Guidance

- AI/ML
- Autonomy/Unmanned Systems
- **Cybersecurity**
- Digital Science
- Directed Energy
- Electromagnetic Spectrum Operations
- Hypersonics
- Integrated Power & Energy
- Lethality: Mission Effectiveness
- Lethality: Ordinance Systems
- **LVC**
- **MBSE**
- Ocean Sciences & Sensing
- Platform Design Science
- Quantum Sciences
- Sustainment & Repair
- Trusted Electronics
- Cycle of Assessment
- **Advanced Naval Technology Exercises (ANTX)**

2018 Undersea Warfare STOs (#8)

Warfighter Supremacy

- Develop **unmanned systems battlespace management capability** that collects relevant sensor data in real time, federates platform sensors, detects threats, and alerts operators to conflicting mission tasking and waterspace employment
- Develop **human-centered analytic techniques** that allow submarine commanders to rapidly and confidently make data informed decisions
- Develop **on-board adaptive training tools** to support **both individual** operator instruction **and integrated team training** that both increases operator retention and improves individual and team proficiency
- Develop **distributed schoolhouse capabilities** that operate within a **common virtual environment** to allow access and manipulation by **geographically distributed students** (individually or collaboratively in teams) and instructors
- Develop a **long dwell submarine training target** for both tactical development and operational integrated Fleet training to minimize SSN target services. Technologies should strive to minimize the logistics footprint, while retaining flexibility in acoustic and operational capabilities
- Optimize **operator integration with unmanned underwater systems** to achieve greater mission effectiveness



Continuing Areas of Research

FROM 2019 TSIS - Delete

- **Enterprise Data Analytics**
 - Aviation physiological episode causal analyses
 - Enterprise-level insight with unstructured datasets
- **Instructional Techniques & Strategies**
 - Adaptive Techniques Based upon Knowledge and Skill Decay
- **Virtual Reality & Augmented Reality Training Technologies**
 - Instructional Strategies
 - Visual & Haptic Enhancements
- **Live, Virtual & Constructive (LVC) Training**
 - Multi-level Performance Measurement and Assessment / Human Perf. Modeling
 - Denied & Degraded Environments (D2E)
 - Electronic Maneuver Warfare Training Strategies and Technologies
- **Cyber Warfare**
 - Human Performance & Training
 - Modeling Effects



Human Systems Technology Roadmap

- Current and planned projects aligned with *NAWCTSD's Core Capabilities and Future Directions Document*
- Inputs from:
 - NAVAIR R&D Portfolio
 - Cross SYSCOM working groups (i.e. NAVAIR, NAVSEA, SPAWAR, etc.)
 - Cross Services working groups

Delete - From 2019 TSIS - not using this Roadmap

Five Enabling Capabilities

1. Human Sys. Engineering, Integration and Acquisition
2. Optimized Human Performance & Decision Support
3. Adv. Training System Technology
4. Human System Design, Analysis and Evaluation
5. Warfighter Protection, Performance & Survivability

Current version of the NAWCTSD Technology Roadmap can be found at:

<https://www.navair.navy.mil/nawctsd/EngineeringTechnology>



Example: Hard Problem Solution Space (2/2)

Fleet Training Req't: Maintenance Training (ENARG #8)

Develop a means to employ wireless AR/VR capability in classified labs

Gap Description: Currently AR/VR based training can not be deployed/used in secure spaces where it is needed. A solution is needed to be able to modify AR/VR commercial hardware to be cyber compliant (e.g., the mouse clicker problem)

Related Research

Government Labs

Navy
Air Force
Army
FFRDCs
DHS
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