NAWCTSD

To be the principal Navy center for research, development, test and evaluation, acquisition and product support of training systems, to provide inter-service coordination and training systems support for the Army, Marine Corps, and Air Force and to perform such other functions and tasks as directed by higher authority.

TEAM ORLANDO

Support the U.S. Department of Defense’s requirements by providing a consolidated inter-service military entity in the Central Florida area for Human Performance, Modeling and Simulation and Training. Facilitate research and collaboration of new technologies, programs and agile processes across the inter-agency to further advance a thriving and innovative environment to best support Service requirements and initiatives for effectiveness and efficiency.
[AIR WARFARE] AND MUCH MORE – FY20 SUMMARY*

**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: $54M

**Cross Warfare**
- Projects: 60
- FTE WYS: 185
- PGM Value: $1,294M

**Ready Relevant Learning**
- Projects: 4
- FTE WYS: 80
- PGM Value: $51M

**International**
- Projects: 30
- FTE WYS: 83
- PGM Value: $675M

FY20 OB Li tIONS: $1.5B  FY16: $1.1B (+30%)
CONTRACT ACTIONS: 1,351

<table>
<thead>
<tr>
<th>FY20</th>
<th>FY16</th>
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<tr>
<td>PERSONNEL</td>
<td>1,563</td>
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<tr>
<td>Government Civilian</td>
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<td>CSS</td>
<td>253</td>
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<td>Military</td>
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*All numbers approximate and represent only funds currently committed for NAWCTSD execution*
NAWCTSD
1271 Gov’t Personnel
1793 Contractor
40 Military

3124 people supporting 1573 training devices at 169 sites worldwide Generating Fleet Readiness

CNAP
Devices | Contractor | ISEs
---|---|---
North Island | 33 | 165 | 10
Mugu | 12 | 10 | 1
Penfold | 11 | 37 | 5
Miramar | 17 | 65 | 5
Yuma | 3+MAWTS | 28 | 0
Whidbey Island | 40 | 119 | 6
Lemoore | 13 | 53 | 1
Tinker AFB | 16 | 57 | 2
Kanotoko Bay | 4 | 5 | 2
Atsugi | 2 | 2 | 1
Filomena | 3 | 3 | 1
Iwakuni | 8 | 12 | 2

CNAL
Devices | Contractor | ISEs
---|---|---
Norfolk | 36 | 117 | 10
Oceana | 21 | 75 | 3
Jacksonville | 64 | 161 | 8
Mayport | 9 | 27 | 1
Quantico | 4 | 6 | 1
Beaufort | 5 | 19 | 0
New River | 19 | 55 | 4
Cherry Point | 15 | 57 | 6

RESFORE
Devices | Contractor | ISEs
---|---|---
New Orleans | 3 | 5 | 0
Fallon | 3 | 2 | 0
Fort Worth | 9 | 19 | 0
Key West | 1 | 2 | 0
Lakehurst | 3 | 7 | 0
Norfolk | 2 | 4 | 0

USMC/CNC/NAVAIR
Devices | Contractor | ISEs
---|---|---
Firefighting Training at all USN/USMC bases | 136 | 2 | 0

NAWCTSD Orlando
1156 Gov’t Personnel
150 Contractors

SUBMARINE LEARNING CENTER
Devices | Contractor | ISEs
---|---|---
Groton, CT | 50 | 9 | 2
Norfolk, VA | 21 | 6 | 1
Kings Bay, GA | 25 | 6 | 1
San Diego, CA | 19 | 6 | 1
Bangor, WA | 29 | 8 | 1
Pearl Harbor, HI | 32 | 6 | 1
Guam | 5 | 0 | 0

INTERNATIONAL PROGRAMS
Devices | Contractor | ISEs
---|---|---
Australia | 8 | 25 | 1
Kuwait | 5+ | 24 | 0
Taiwan | 3 | 5 | 0
Oman | 300+ | 10 | 0
Iraq | 4 | 2 | 0
Mayport (H 60 Saudi) | 3 | 2 | 0

CNATRA
Devices | Contractor | ISEs
---|---|---
Kingsville | 13 | 17 | 2
Corpus Christi | 34 | 36 | 1
Pensacola | 46 | 25 | 5
Whiting | 79 | 50 | 3
Meridian | 1 | 3 | 2

CNATT
Devices | Contractor | ISEs
---|---|---
Pensacola | 3 | 23 | 1
Lakehurst | 2 | 14 | 0

BUMED
Devices | Contractor | ISEs
---|---|---
Cherry Point | 15 | 3 | 0
Norfolk | 22 | 3 | 1
Jacksonville | 5 | 2 | 0

SURFACE TRAINING SITES
Devices | Contractor | ISEs
---|---|---
Newport, RI | 52 | 26 | 2
NB Norfolk | 52 | 47 | 2
NT lettle Creek | 7 | 0 | 1
Mayport | 16 | 24 | 5
NT San Diego | 62 | 69 | 5
NB Coronado | 7 | 0 | 1
Pearl Harbor | 3 | 10 | 1
Japan (Yokosuka and Sasebo) | 2 | 2 | 0
Naval Station Everett | 2 | 4 | 1
Great Lakes, IL | 19 | 62 | 2
Rota | 1 | 0 | 0
Bahrain | 1 | 0 | 0
Pascagoula/Rath | 2 | 0 | 0

COVE
Devices | Colleges/Universities
---|---
MTC | 279 | 88

NOTE:
Digital Radio Management System support at 20 Navy sites between NCTE and Reserve, 7 USM sites, 2 U.S. Army sites.
**Command Accomplishments**

**Organization**
- Updated strategic NAWCTSD Strike Plan
- Streamlined processes to allow for growth
- Changed to NAVAIR MAO with Mission focus
- Stood up RRL TSPM
- F-35 Training PMO PDPM
- Completing Prod Mgt Group stand up
- Divesting of non-training systems workload

**Personnel**
- Implemented product-based staffing
- Increased partnerships for leveraging talent
- “Right-sizing” Gov/CSS staffing mix

**Capability**
- HPC stack
- Consistent persistent LVC testbed as Operation Blended Warrior turned into LVCDOC

**Extensive Facility Updates**
- Significant increase in HTS classified processing
- 300%+ increase in collateral classified processing
- Replaced 30 year old cubes with state of the art individual seating & increased capacity by 100+
- Updated IT & cell phone reception infrastructure
- Refurbished static aircraft displays
- HVAC & storm drain infrastructure improvement projects on contract
- Access control updates & law enforcement interoperability enhancements
- Hybrid work readiness ongoing
[COMMAND ACCOMPLISHMENTS] A FIVE-YEAR PERSPECTIVE

- **Collaboration**
  - Established Central FL Tech Bridge / Tech Grove
  - 30% increase in Educational Partnership Agreements
  - 260% increase in MOA’s
  - Three additions to Team Orlando (STE CFT, USAF SOC, and JAIC)
  - Began leveraging UCF FIEA and NSIN

- **Talent Pipeline**
  - STEM Outreach
    - 462% increase in STEM students impacted
    - 3,369% increase in teachers reached
    - 17% increase in volunteers/mentors
  - Established Central FL STARBASE

- **Mitigating & emerging from COVID-19**

- **Efficiency**
  - Leveraging non-FAR agreements (e.g. OTA)
  - Leveraging expanded authorities / delegations
  - Tailoring processes to differentiate our work

- **Fleet Capability Delivered**
  - Fielded initial wave of COVE and NSTS related to MCCAIN and FITZGERALD incidents
    - NSTS specifically credited with avoiding collision at sea
  - Fielded state-of-the-art LCS training that enables “train to qualify”
  - NADTC LANT delivered as prototype - Fleet is utilizing DMT
  - NASMP fidelity improvements
  - RRL: from vision to three active contracts employing ~10% NAWCTSD workforce; 6741st RRL content fielded
  - 450% increase in FMS efforts
  - FTSS continued during global pandemic
[FOCUS AREAS]

+ **FLEET READINESS**
  - Maintain relevant fielded devices that support current ops

+ **READINESS TRAINING**
  - Delivering integrated warfighting capability/networked training opportunities
  - Live, Virtual, Constructive training solutions

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

+ **CYBER SECURITY**

+ **FOSTER AN ECOSYSTEM OF INNOVATION**

+ **INCREASED INTERNAL EMPHASIS ON DATA-DRIVEN DECISIONS**

+ **PROCESS EFFICIENCIES UNDER NEW NAVAIR MISSION ALIGNED ORGANIZATION**
[COLLABORATION]

+ We meet Fleet needs together!
NavalX Tech Bridges
Ecosystem of Ecosystems

DoD No Longer Drives the Nation’s Innovation Ecosystem
R&D Spending

Central FL Tech Bridge/Grove

- Run via PIA with UCF Research Foundation
- 4 Lines of Effort
  - Ecosystem
  - Workforce Development
  - Innovation
  - Sustainment
- Innovation Space (Partnership IV)
- Easy access for non-DOD
- “Open architecture” for multiple uses
- Ongoing projects
- Prize challenges
- “Tech talks” / community gatherings
- STEM outreach
Central Florida Ecosystem

Community (DoD lead)
- Governed by Charter and CONOPS
- Collaborate, share Government focused information & ideas at the executive & senior leader level

Enabler
- Governed by NavalX – ASN RD&A
- Provides connectivity/support to other Navy ecosystems, SMEs & barrier removers

Capability
- Governed by PIA & CONOPS
- Physical & virtual environment collaborating at a tech innovation level