



# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM

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**CAPT Bill "Roto" Reuter**

*Prospective  
Commanding  
Officer*

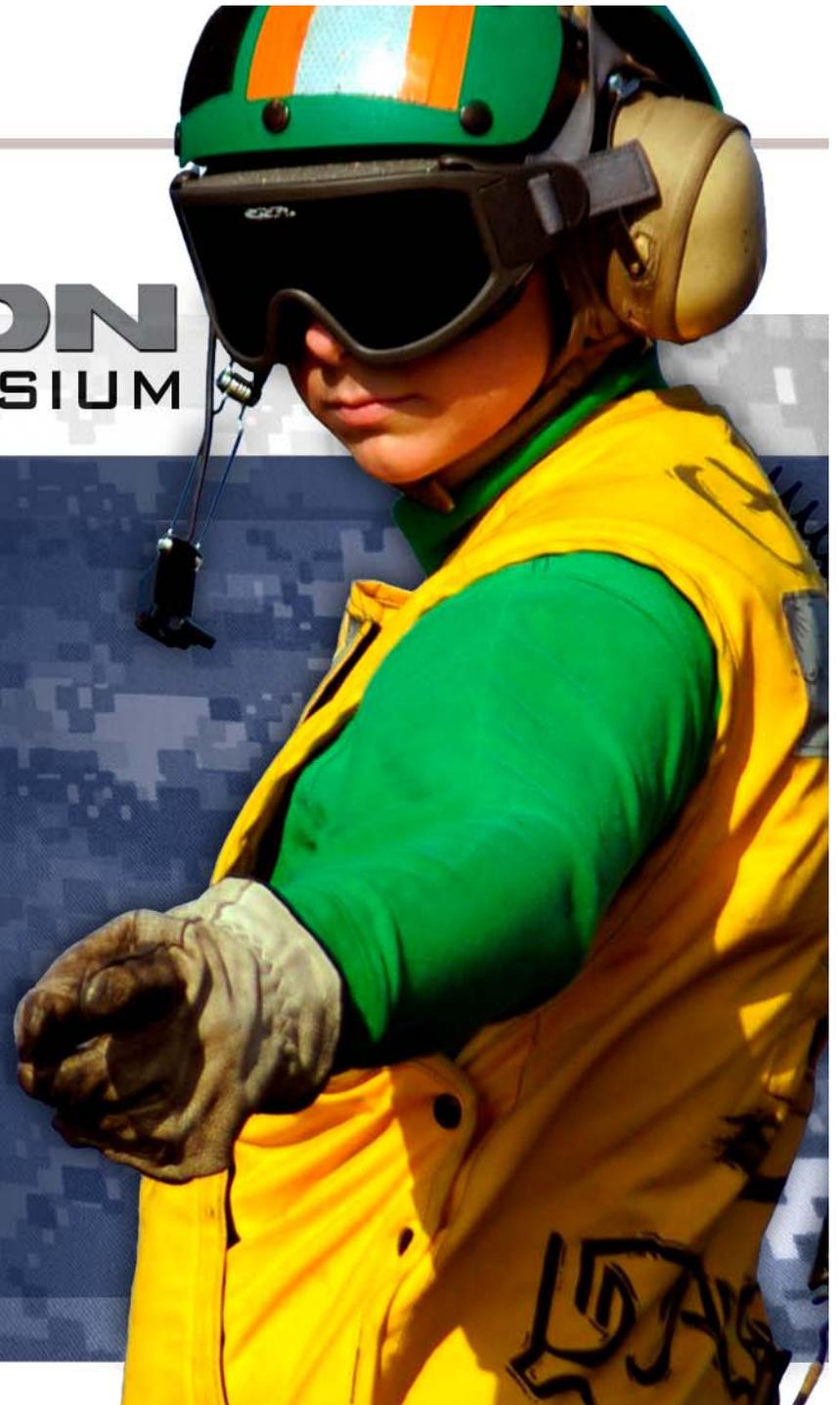


# TRAINING & SIMULATION

## INDUSTRY SYMPOSIUM



NAWCTSD Is the principal Navy center for research, development, test and evaluation, acquisition and product support of training systems; We provide Interservice coordination and training systems support for the Army and Air Force, and we perform such other functions and tasks as directed by higher authority.



# Chief of Naval Operations Vision 2010



- **Consistent with 2009 with some key focus areas**
- **Total Ownership Cost (TOC) is a KEY Discriminator**
- **Leveraging of Simulation is key to:**
  - **Energy Strategy**
  - **Cost Reduction**
  - **Environmental Focus**
- **In S&T, improve technology transition rates through formal “closed-loop” coordination with resource sponsors**
- **STEM investment and involvement is vital to our future**
  - **Central Florida STEM Council**

# Product Line



## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers
  - Operational Flight Trainers
  - Weapon Systems Trainers
  - Maintenance Trainers
  - Shiphandling Trainers
  - Tactics Trainers
  - Engineering / Damage Control Trainers



## TRAINING CONTENT

- Courseware Development
- Curriculum
  - New Development
  - Updates



## TRAINING SERVICES

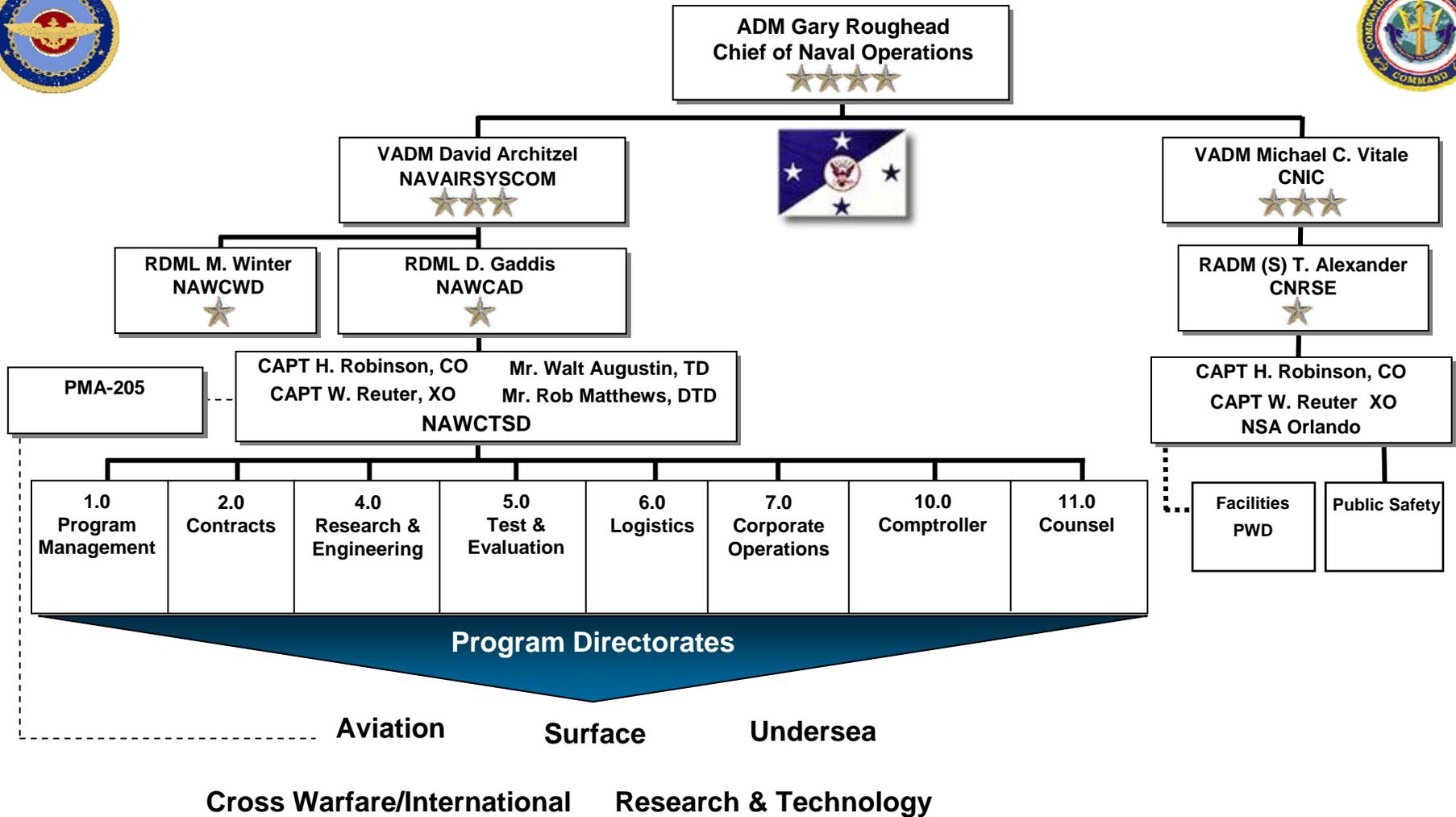
- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



## INTELLECTUAL SERVICES

- Research & Development
  - Experimentation & Studies
  - Prototypes
  - SBIR
  - Protection of Human Subjects
- Analysis
  - Front End Analysis
  - Requirements Analysis
  - Media Selection

# Organization



# Command Chronology



## 1940s      1950s      1960s      1970s      1980s      1990s

1941 Special Devices Desk - Bureau of Aeronautics

1945 Special Devices Div. - ORI

1968 NTDC/NTEC - NAVMAT

1983 NTEC/NTSC - NAVMAT

1972 NTEC - CNET

1987 NTSC - NAVAIRHQ



1941 Special Devices Desk Bureau of Aeronautics Established



1946 Navy Moved to Port Washington, N.Y.

1950 Navy/Army Memorandum of Agreement Signed



1963 University of Central Florida (Florida Tech Univ))



1965 Moved to Orlando



1970 USMC Rep



1975 USAF Rep



1982 Institute for Simulation & Training Established at UCF



1988 Navy/Army Relocated to Central Florida Research Park



1992 Army, STRICOM Established as Major Subordinate Command to AMC



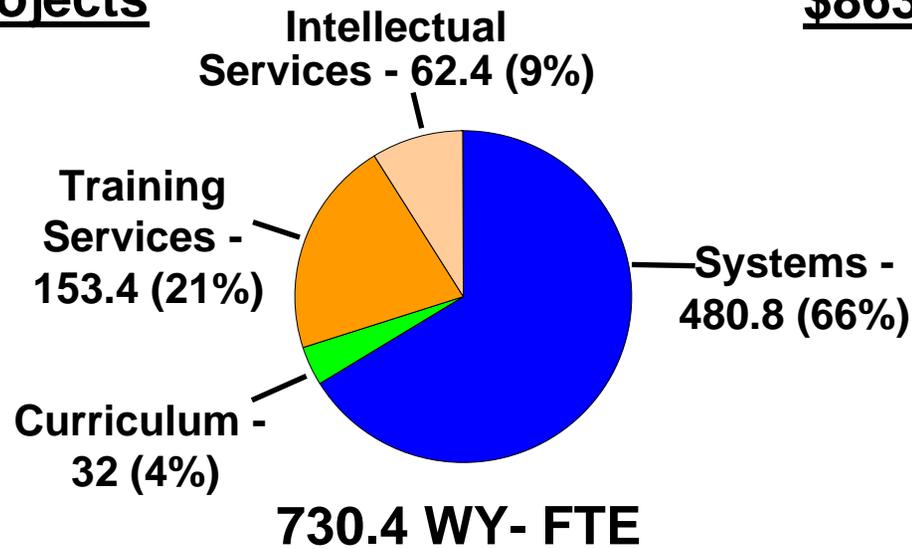
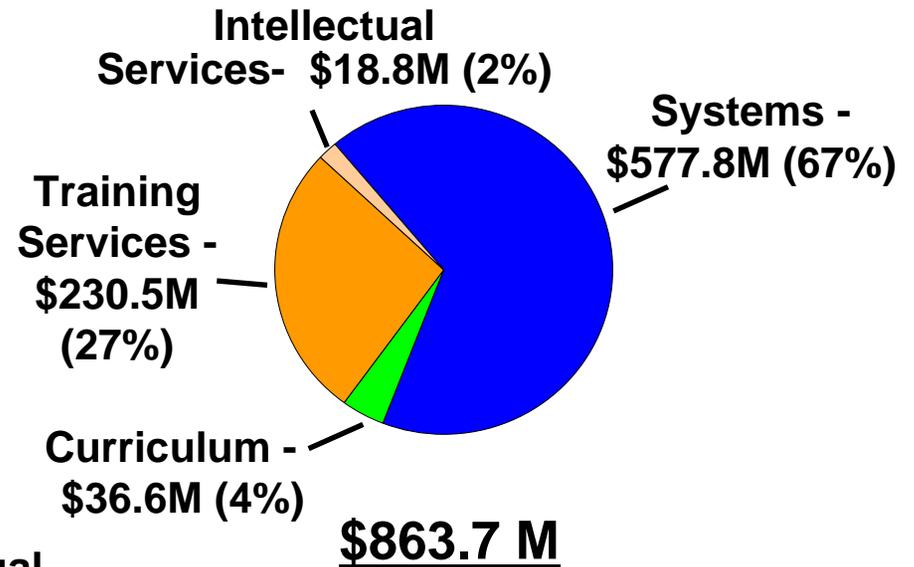
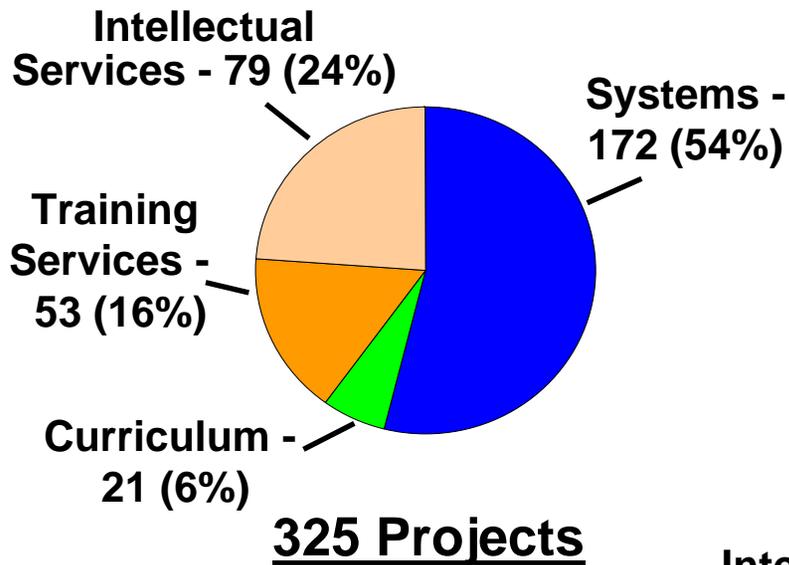


# FY10 TSD Products

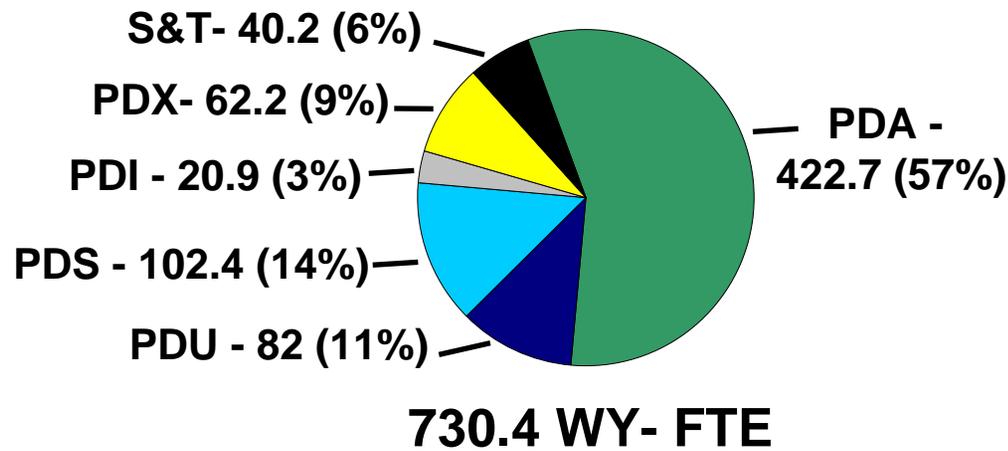
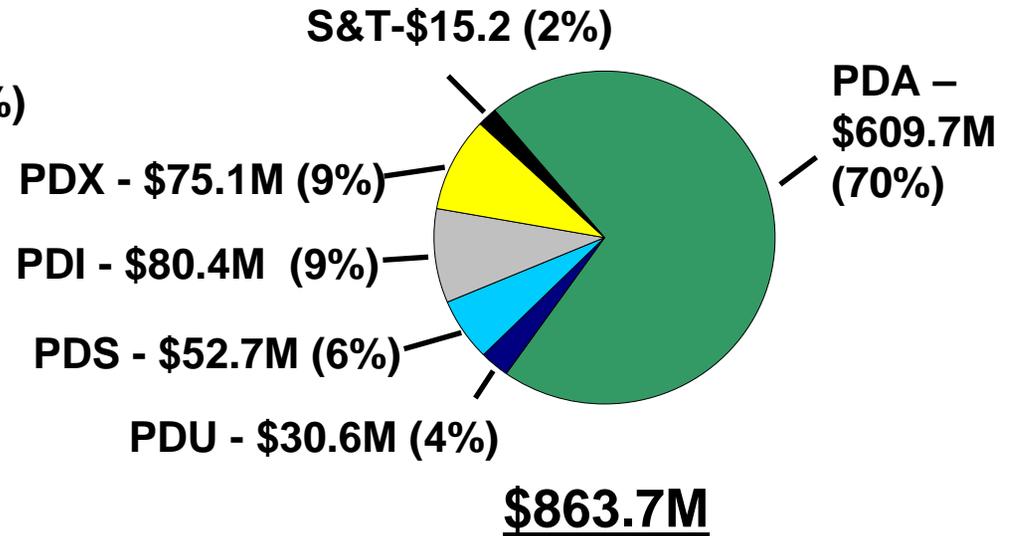
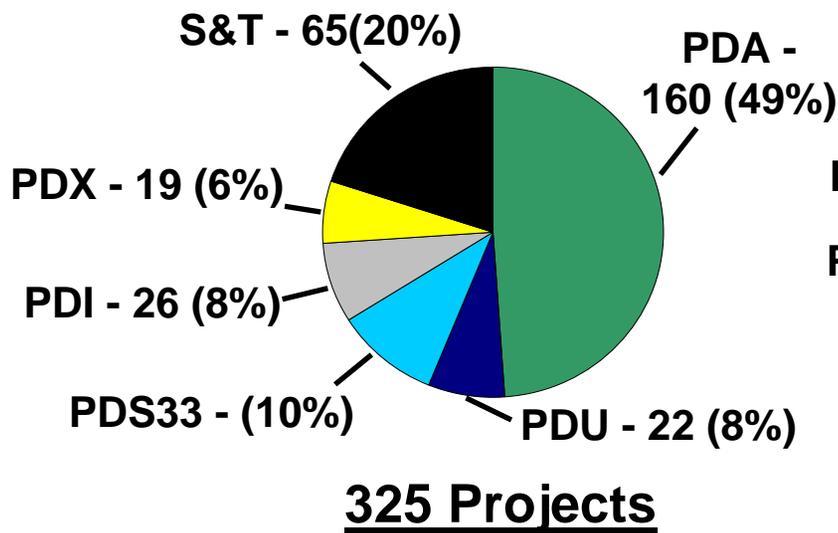


	Total Projects	Training Systems & Modifications	Curriculum & Content	Training Services	Intellectual Services
<b>TSD Total</b>	<b>325</b>	<b>172</b>	<b>21</b>	<b>53</b>	<b>27</b>
<b>Aviation (PDA)</b>	<b>160</b>	<b>112</b>	<b>7</b>	<b>41</b>	<b>0</b>
<b>Surface (PDS)</b>	<b>33</b>	<b>20</b>	<b>7</b>	<b>5</b>	<b>1</b>
<b>Undersea (PDU)</b>	<b>22</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Cross (PDX)</b>	<b>19</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>12</b>
<b>International (PDI)</b>	<b>26</b>	<b>16</b>	<b>4</b>	<b>6</b>	<b>0</b>
<b>S&amp;T (4.6T)</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65</b>

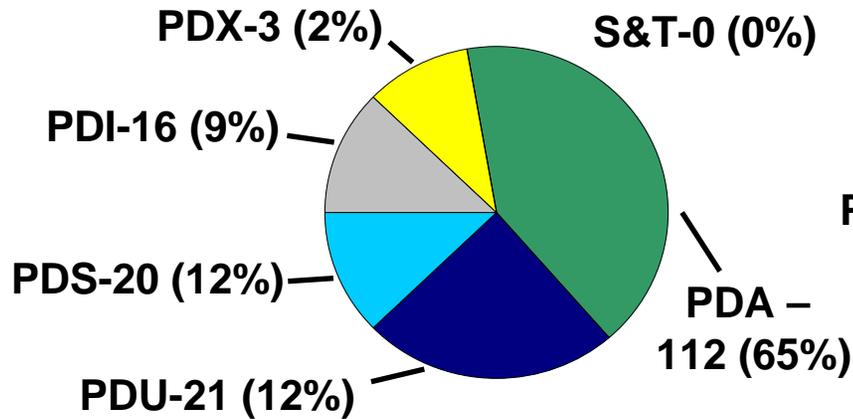
# FY10 Product Line Totals



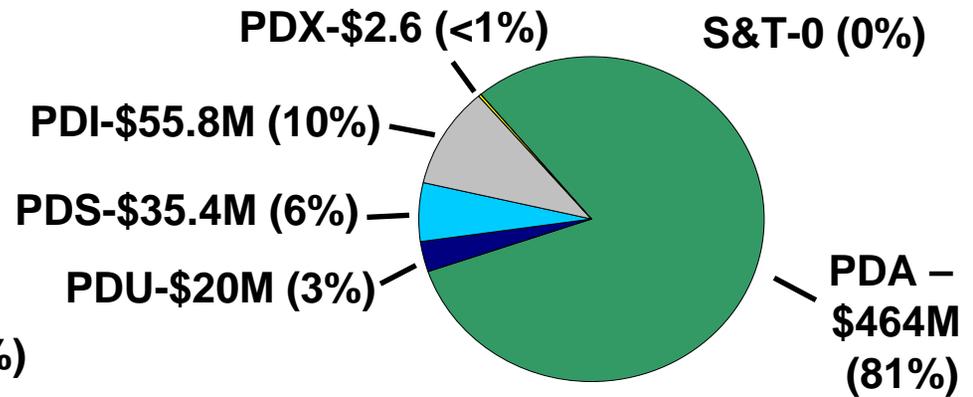
# FY10 Program Directorate Totals



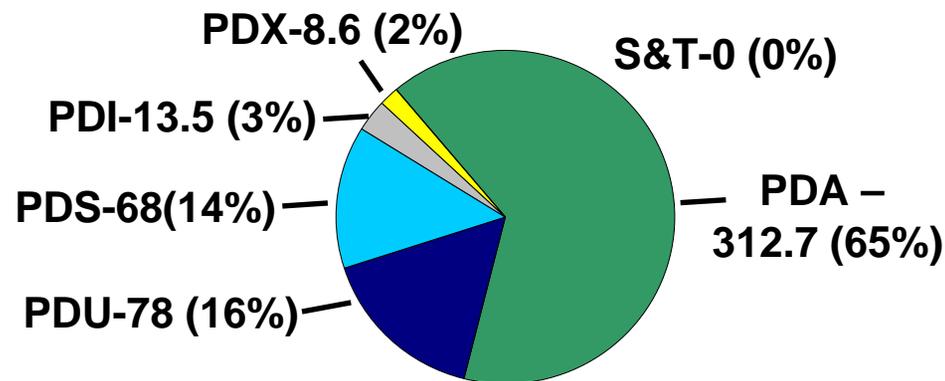
# FY10 Training Systems



**172 Projects**

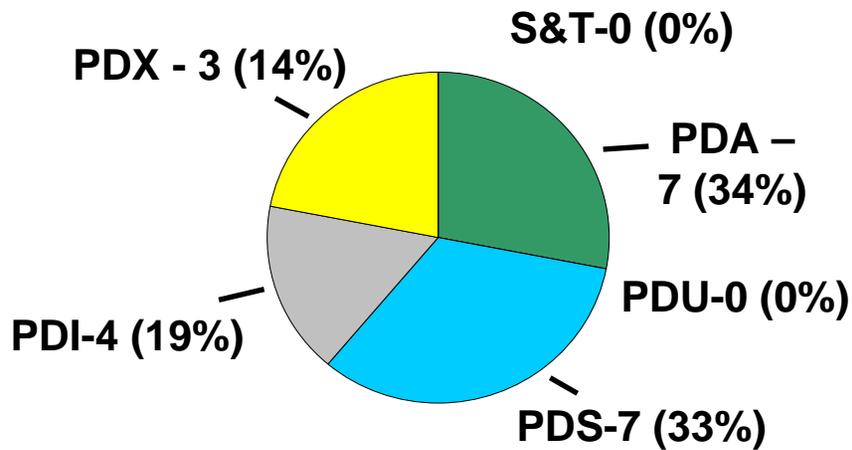


**\$577.8 M**

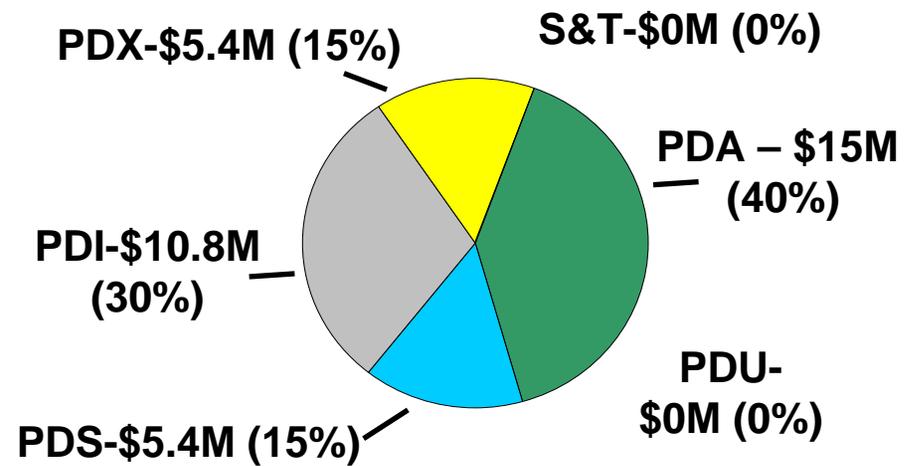


**480.8 WY- FTE**

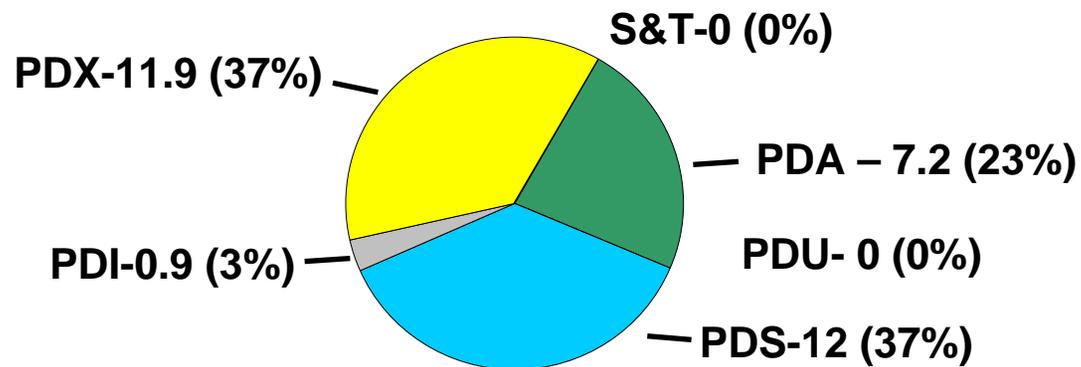
# FY10 Curriculum



**21 Projects**

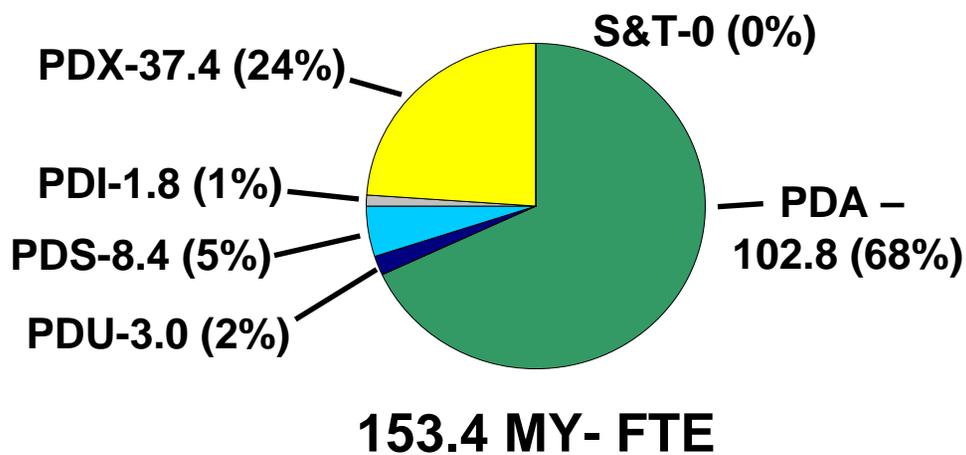
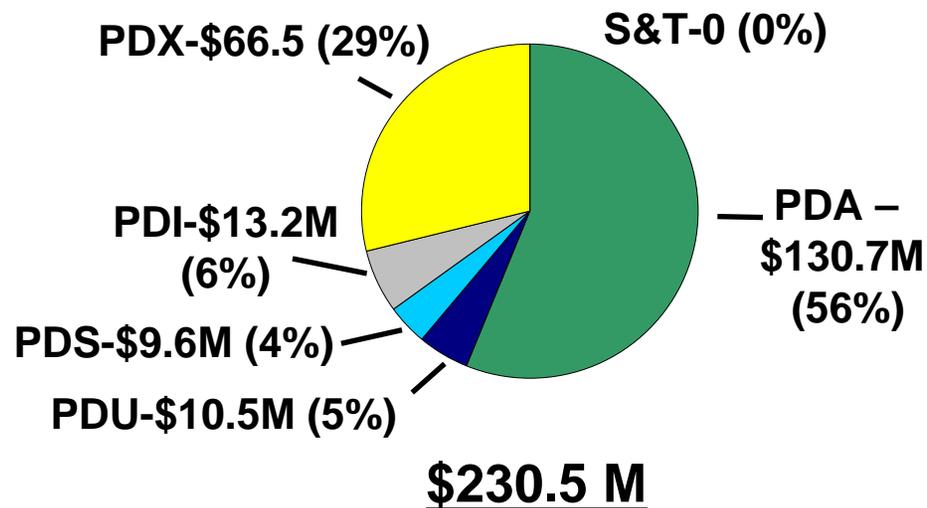
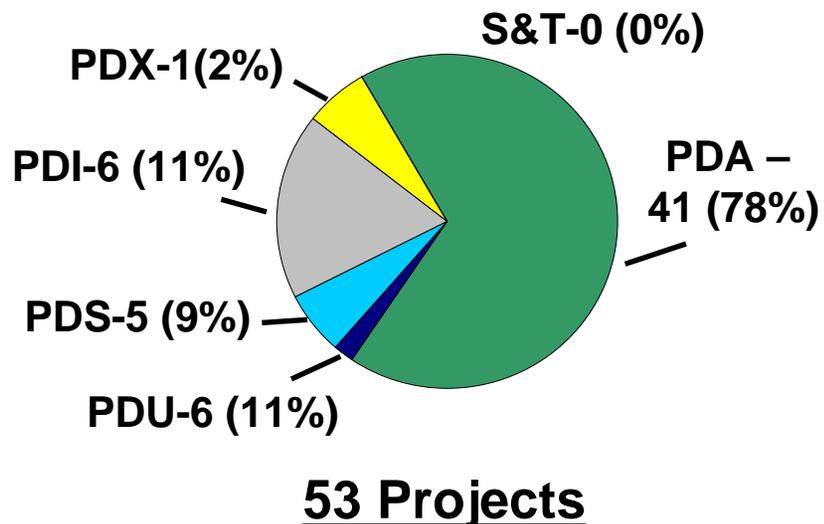


**\$36.3 M**

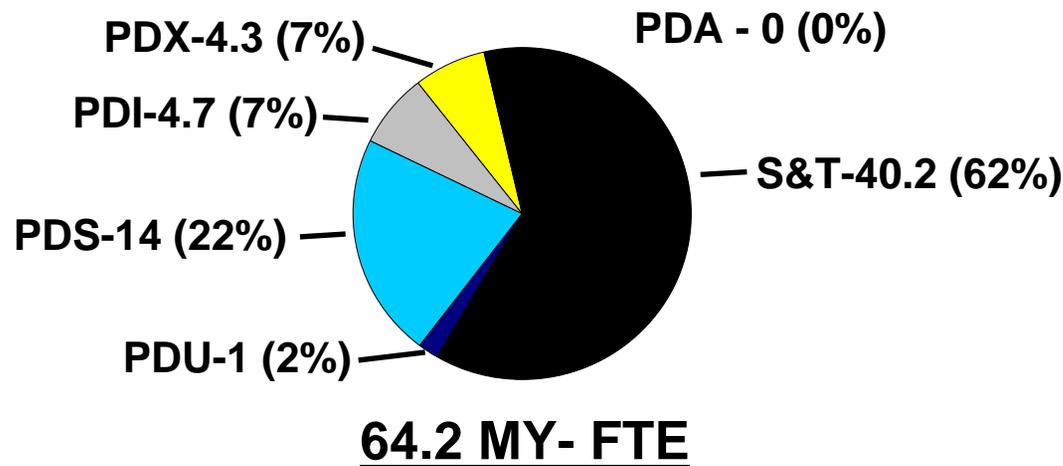
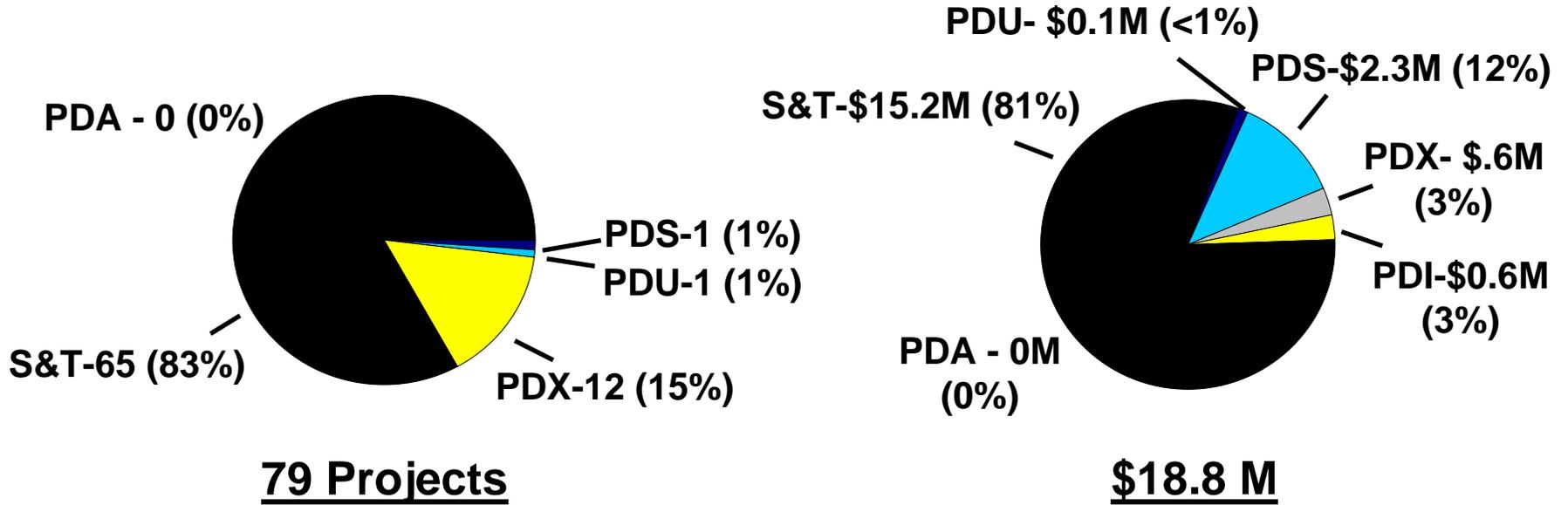


**32 MY- FTE**

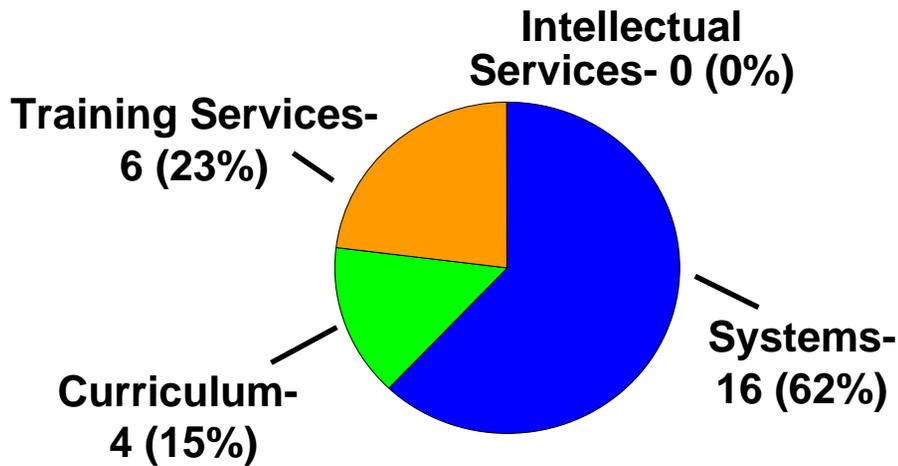
# FY10 Training Services



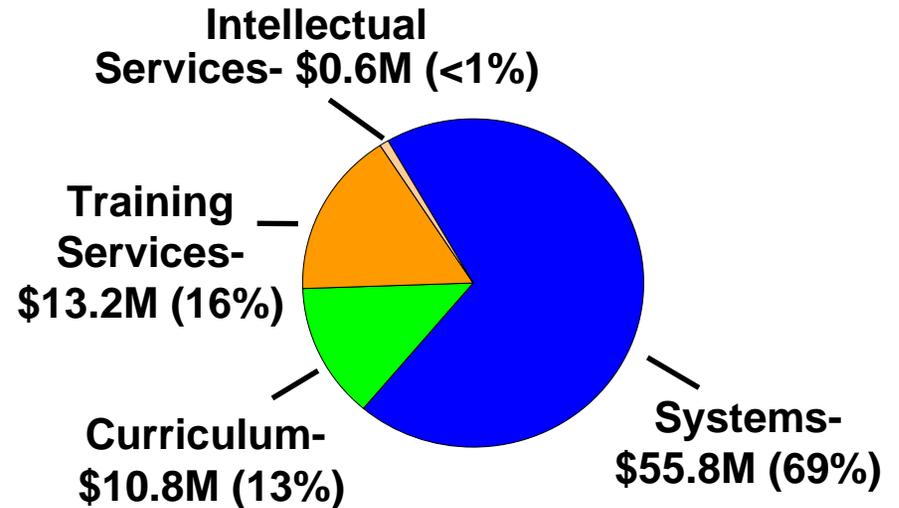
# FY10 Intellectual Services



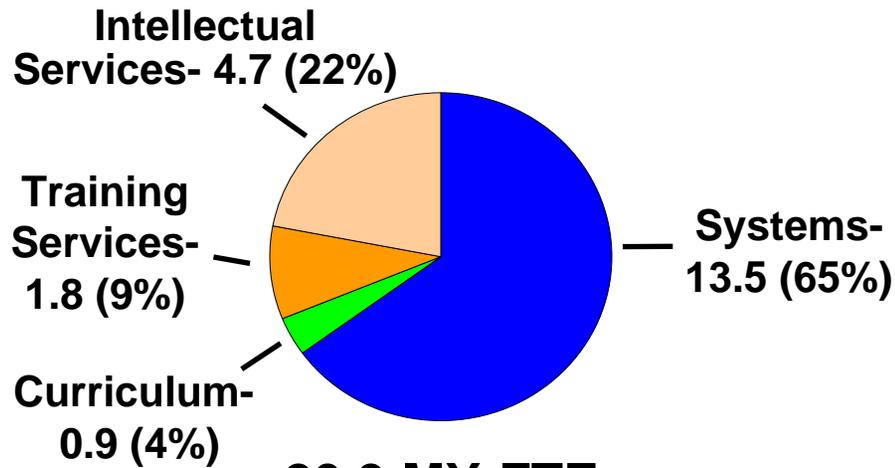
# FY10 International Portfolio Distribution



**26 Projects**



**\$80.3 M**



**20.9 MY-FTE**

# NAWCTSD Key Thrusts



## Test & Evaluation:

- Memorandum of Agreement between Human Systems Engineering and Test and Evaluation
  - Perfect the partnership
- Hiring Lead Test Engineers for Large Efforts

## Navy Working Capital Fund Transition in FY11

- Enables NAWCTSD as a Command to more readily match the demand signal
- Garners the resources to invest more in our workforce and infrastructure

# Take Aways



- Your **PARTNERSHIP** and feedback are **Critical**
- Importance of T&R/Proficiency Traceability
- The right technology for the right readiness
  - ROI and TOC story is paramount
- ***We Must Inspire Trust***

*Rigorous Acquisition Planning and Risk Management  
Remain the Staples of our Business*

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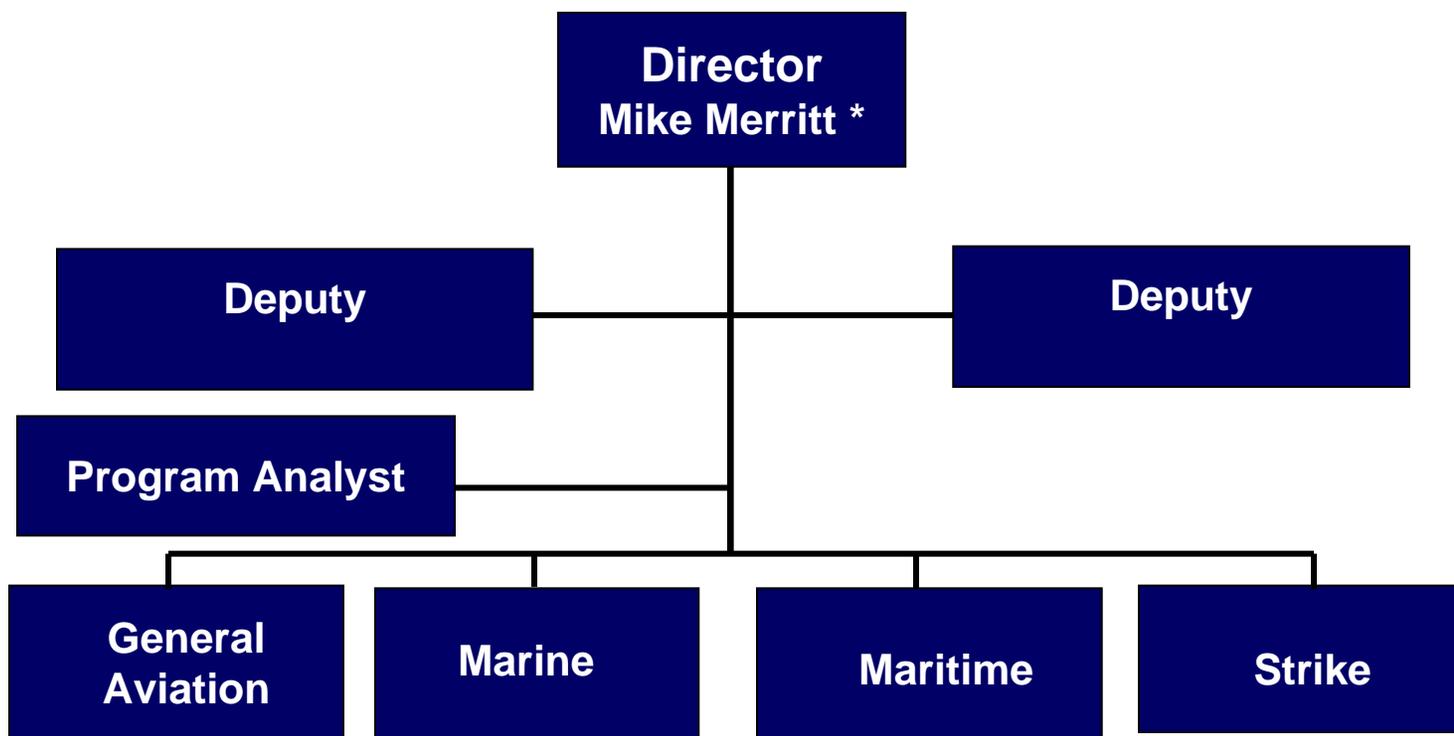


***Mike Merritt***  
***Program Director***

**Aviation Programs**

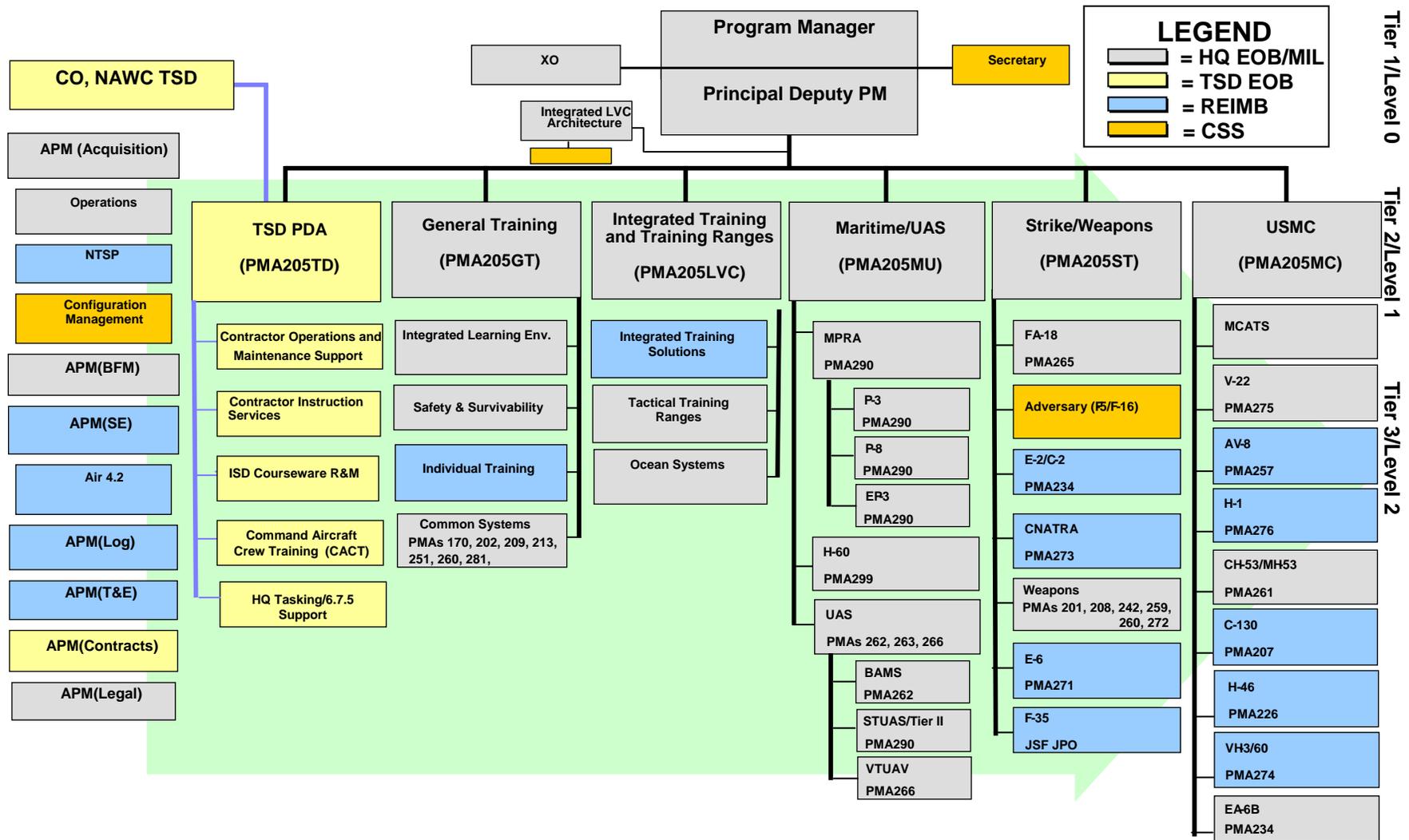


# Aviation Programs Organization



\* Program Director Aviation (PDA)  
PMA-205D DPM(TS)

# Training Systems, PMA205





## Disclaimer

- The information about to be presented affords industry partners insight into on-going and pending acquisitions
- Significant portions of the information are planning in nature and are subject to change throughout the acquisition planning and acquisition strategy approval process, and in response to NAVAIRSYSCOM, DASN(A&LM) and DPAP peer reviews
- The PCO is your source for the most current information

# AV-8B Maintenance Trainers



## Description/Summary of Program Requirements

- Host computer refresh – Host computers are early 1990’s technology and hence are suffering issues related to sustainability/obsolescence and are becoming cost drivers during device upgrades
- (8) legacy Maintenance Training devices impacted: Power plant, Avionics, Electrical, Egress, Fuel, Armament, Flight Controls and Landing Gear

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• TSC (III)</li> </ul>	<ul style="list-style-type: none"> <li>• Base plus any planned options</li> </ul>	1 <sup>st</sup> Qtr FY 12  RFP Release	3 <sup>rd</sup> Qtr FY 12  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>	
Organization: PMA205MC Phone:301-757-8157 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>• Estimate \$5M</li> </ul>	<ul style="list-style-type: none"> <li>• New Requirement</li> </ul>	

# AV-8B Weapons System Trainer (WST) Tech Refresh



## Description/Summary of Program Requirements

- Obsolescence upgrades to include visual system projector upgrade and addressing of support issues for device 2F150C  
 Device 2F150C (WST – Cherry Point, NC)  
 Visual system / projector upgrade  
 Device supportability
- Visual system upgrade (projector replacement), Instructor Operating System (IOS) capability upgrade and obsolescence upgrade to device 2F150D  
 Device 2F150D (WST – Yuma, AZ)  
 Visual system / projector upgrade  
 Instructor Operator Station  
 Device supportability

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>						
<ul style="list-style-type: none"> <li>• TSC (III)</li> </ul>	<ul style="list-style-type: none"> <li>• Base plus any planned options</li> </ul>	<table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr, FY13</td> <td style="width: 50%;">2<sup>nd</sup> Qtr FY-14</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr, FY13	2 <sup>nd</sup> Qtr FY-14			RFP Release	Contract Award
4 <sup>th</sup> Qtr, FY13	2 <sup>nd</sup> Qtr FY-14							
								
RFP Release	Contract Award							
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>						
Organization: PMA205MC Phone:301-757-8157 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>• Estimate \$9M</li> </ul>	<ul style="list-style-type: none"> <li>• Last upgrade completed by Indra Systems, Inc.</li> </ul>						

# AV-8B Tech Refresh



## Description/Summary of Program Requirements

- Technology/obsolescence upgrades are likely to include: Instructor Operators Station (IOS) upgrades, projector replacement, visual system upgrade and Control Loading System (CLS) upgrades.
- Devices 2F150A, 2F150B and 2F150E
  - 2F150A (WST – Cherry Point, NC)
  - 2F150E (WST – Cherry Point, NC)
  - 2F150B (WST – Yuma, AZ)

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• TSC (III)</li> </ul>	<ul style="list-style-type: none"> <li>• Base plus any planned options</li> </ul>	4 <sup>th</sup> Qtr FY-13  RFP Release	2 <sup>nd</sup> Qtr FY15  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>	
Organization: PMA205MC Phone:301-757-8157 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>• Estimate \$11M</li> </ul>	<ul style="list-style-type: none"> <li>• Last upgrade completed by Indra Systems, Inc.</li> </ul>	



# UH-1Y/AH-1Z FTD Procurements and BCUs



## Description/Summary of Program Requirements

- Procurement of (6) H-1 Flight Training Devices (FTDs) and (4) H-1 Baseline Configuration Upgrades (BCUs) ensuring aircraft and/or trainer driven revisions required for implementation through the OEM to maintain trainer concurrency with aircraft. Trainer/aircraft concurrency is required to eliminate negative training and/or safety issues resulting from trainer misconfiguration and continuing to meet Training & Readiness Syllabus simulator events for producing new pilots.

### FTDs

Devices 2F196-2, 3, 4 UH-1Y FTDs  
 Devices 2F197-2, 3, 4 AH-1Z FTDs

### BCUs

Device 2F196-1 UH-1Y FTD  
 Device 2F197-1 AH-1Z FTD  
 Device 2F206 UH-1Y Full Flight Simulator (FFS)  
 Device 2F215 AH-1Z FFS

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Sole Source to Bell Helicopter Textron</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus FY12-15 options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>14 Aug 2010</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>22 Jun 2011</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: PMA205MC          Phone: 301-757-8157          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$16M - \$20M per new FTD</li> <li>• Total 6 new FTDs estimate \$108M</li> <li>• Estimate \$3M - \$5.8M per BCU</li> <li>• Total BCU effort estimate \$17.6M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• OEM – Bell Helicopter (BHTI)</li> </ul>

# USMC ATS Training Systems Management (TSM)



## Description/Summary of Program Requirements

- Provide a program or system to include any and all necessary support to run and manage a training site. Potential support elements include complete or partial Contractor Operation and Maintenance Services (COMS), Contract Instruction Services (CIS), Training Device Relocations (TDR), and curriculum services for various weapon systems/platforms, as specified in the Statement of Work (SOW) and its respective appendices. TSM may be turnkey level of support, typically performed at a centralized training site for training and student management activities.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• FTSS III</li> </ul>	<ul style="list-style-type: none"> <li>• Base plus one year options plus final period to 60 months</li> </ul>	<p>4<sup>th</sup> Qtr FY 10</p>  <p>RFP Release</p>	<p>3<sup>rd</sup> Qtr FY 11</p>  <p>Contract Award</p>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>	
<p>Organization: PMA205MC          Phone:301-757-8157          Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>• Estimate \$80M - \$100M</li> </ul>	<ul style="list-style-type: none"> <li>• FTSS II</li> </ul>	

# Marine Common Aircrew Trainer (MCAT)



## Description/Summary of Program Requirements

- Procurement of USMC Enlisted Aircrew Training Products to include the MCAT. The Enlisted Aircrew Trainer Procurement Program is intended to procure products to address Enlisted Aircrew (EAC) training requirements for
  - UH-1Y
  - MV-22
  - KC-130
  - CH-53 communities.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• TBD</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base period plus any planned options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>3<sup>rd</sup> Qtr FY 11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY 12</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: PMA205MC                  Phone: 301-757-8157                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$18M – \$36M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Requirement</li> </ul>

# CNATRA (T-45C Obsolescence)



## Description/Summary of Program Requirements

- Provide technology refresh of eight (8) T-45C Operational Flight Trainers (OFTs) and two (2) T-45 Instrument Flight Trainers (IFTs) The training systems and locations are; 6 OFT's (2F138C) Meridian MS, 2 IFT's (2F137C), Meridian MS and 2 OFT's (2F138D) in Kingsville TX
- Address obsolescence issues and provide for a uniform T-45 C Strike training environment, while maintaining as much hardware and software commonality as practical between Kingsville and Meridian, minimizing life-cycle costs. Develop and deliver appropriate documentation.
  - Computer rehost
  - Visual system upgrade, Image Generator (IG), visual data base - refurb/replace dome
  - Refurbish student station and Instructor Operating Station (IOS)
  - Motion control loading

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• TSC III (Full and Open)</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus any planned options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>TBD</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>TBD</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> Organization: PMA205ST Phone: 301-757-8184 Email: orlo_businesssupportteam@navy.mil	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$35M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• TSCII / Symvionics</li> </ul>

# Aviation Survival Training (AST)



## Description/Summary of Program Requirements

- Procure static ejection seats for use with Device 9E6 (Dynamic Ejection Seat Training Device) during initial and refresher Aircrew Survival Training. Training is provided by the Naval Aviation Survival Training Program at 8 CONUS AST Centers.
- This is an aircrew training device. We will be procuring up to 7 inert static ejection seats that are form/fit/function replica's of ejection seat used in the T-6B Aircraft. Seats must incorporate Navy Aircrew Life Support Systems (ALSS).

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Full and Open</li> <li>• FFP</li> <li>• Single Award</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus no option</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> <td style="width: 50%;">3<sup>rd</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY 10	3 <sup>rd</sup> Qtr FY 11			RFP Release	Contract Award
4 <sup>th</sup> Qtr FY 10	3 <sup>rd</sup> Qtr FY 11							
								
RFP Release	Contract Award							
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• \$942K</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Requirement</li> </ul>						

# Aviation Survival Training (AST)



## Description/Summary of Program Requirements

- Acquire a single training system to replace the current Helicopter Rescue Hoist Training Device (Device 9H1), Parachute Overwater Survival Training Device (Device 9F9A) as well as the legacy Parachute Entanglement/Avoidance Training Device (Device 9F6). Device will be used during initial and refresher Aircrew Survival Training at 8 CONUS AST Centers.
- Training Device must incorporate corrosion resistant materials, and include ancillary environmental realism effects such as helicopter rotor downwash, lighting, sound and wind. Device must be able to support simultaneous training. Device must be compatible with all Navy fixed wing and rotary wing aircraft Aviation Life Support Systems (ALSS).

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• New Contract</li> <li>• FFP</li> <li>• Full and Open</li> <li>• Small Business set aside will be considered</li> <li>• Single award for 1 dev w/opt up to 7 add</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus one year option</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">3<sup>rd</sup> Qtr FY 10</td> <td style="width: 50%;">2<sup>nd</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	3 <sup>rd</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 11			RFP Release	Contract Award
3 <sup>rd</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 11							
								
RFP Release	Contract Award							
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$1.6M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Requirement</li> </ul>						

# Tower Simulator Device



## Description/Summary of Program Requirements

- New procurement of Air Traffic Control Tower (ATCT) Simulators for use fleet-wide.
  - Tower Simulators and Courseware required to support proficiency and initial training of personnel on ATCT positions.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Full and Open</li> <li>• Single Award</li> <li>• Multiple Options</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus one year option</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">3<sup>rd</sup> Qtr FY 11</td> <td style="width: 50%;">1<sup>st</sup> Qtr FY 12</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	3 <sup>rd</sup> Qtr FY 11	1 <sup>st</sup> Qtr FY 12			RFP Release	Contract Award
3 <sup>rd</sup> Qtr FY 11	1 <sup>st</sup> Qtr FY 12							
								
RFP Release	Contract Award							
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$20M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Requirement</li> </ul>						

# HC-144A Operation Flight Trainer (OFT)



## Description/Summary of Program Requirements

- Procurement of one HC-144A OFT
- Level “D” equivalent full flight simulator for United States Coast Guard Aviation Training Center Mobile Alabama.
  - 290 by 60 visual display
  - Full motion
  - Replication of C4 SASS
  - Initial provisioning spares
  - Operator/Maintainer training

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• TSC II (Full and Open)</li> <li>• Single Award FFP</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• 30 months RFT after Contract Award</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> <td style="width: 50%;">2<sup>nd</sup> Qtr FY11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY11			RFP Release	Contract Award
4 <sup>th</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY11							
								
RFP Release	Contract Award							
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation Phone: 407-380-8110 Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$22M - \$26M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Requirement</li> </ul>						

# Instructional Systems Development (ISD)



## Description/Summary of Program Requirements

- The Department of the Navy, Naval Air Warfare Center (NAWC) Training Systems Division (TSD), Orlando, FL, is seeking potential sources with the ability to manage, update, modify and enhance the existing MH/CH-53D/E computer based training (CBT) system. Sustainment of the CBT system will include the identification, analysis, design, development, and implementation of changes to ensure concurrency with the aircraft, Naval Air Training and Operating Procedures Standardization (NATOPS), tactics, and other platform specific Standard Operating Procedures. Changes may also be driven by technology as well as a need to increase the effectiveness and efficiency of the CBT system. This effort will require a blended team of Subject Matter Experts, Instructional Designers, Graphic Artists and Authoring Specialists to produce, implement and evaluate the effectiveness of change.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Full and Open</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base period plus 4 one year options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY 11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>4<sup>th</sup> Qtr FY 11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$4.5M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• Incumbent - D.P. Associates</li> </ul>

# Instructional Systems Development (ISD)



## Description/Summary of Program Requirements

- Procurement of curriculum update, revision and enhancement management, administration and support of Naval Aviation Fleet Replacement Squadrons (FRS) of existing F/A-18C/D/E/F and Strike Fighter Weapons Schools (SFWS), Pacific and Atlantic training curriculum and presentation media at four (4) sites: VFA-125 and VFA-122, NAS Lemoore, CA, VMFAT-101, MCAS Miramar, CA and VFA-106, NAS Oceana, VA. Additionally, provide support for the Strike Fighter Advanced Readiness Program (SFARP) at NAS Fallon, NV, NAS Key West, FL and other deployed sites. This support provides on-site data collection and off-site analysis and reporting of the tactics and weapons deliveries conducted by the various Carrier Air Wing (CVW) F/A-18 squadrons during the flight syllabus portion of SFARP. This effort will require interface with the FRS and SFWS Program Management Office, NAVAIR, NAWCTSD Program Integrated Product Teams (IPTs), CNAF sponsors, and participation in F/A-18C/D/E/F Naval Air Training and Operating Procedures Standardization (NATOPS) conferences and other technical meetings to support currency management of the training system.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• ISD MAC</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base period plus 4 one year options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>3<sup>rd</sup> Qtr FY 11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY 12</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$7M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• Incumbent - L3 COMM / D.P. Associates</li> </ul>

# Instructional Systems Development (ISD)



## Description/Summary of Program Requirements

- Procurement of curriculum update, revision and enhancement management, administration and support of existing Navy Helicopters - SH-60B/F/H & MH-60R/S Fleet Readiness Squadrons (FRS) and Aircraft Combat Training Systems (ACTS), MQ-8B Firescout Vertical Takeoff and Landing Unmanned Aerial Vehicle (VTUAV) Type/Model/Series (T/M/S) Weapons Schools located at Naval Air Station (NAS) North Island, San Diego, CA, Naval Station (NS) Norfolk, VA, NS Mayport, FL and NAS Jacksonville, FL. Additionally, provide support for the Presidential Helo VH-60N Cockpit Upgrade Program (CUP) developed at NAS Jacksonville, Jacksonville, FL with the instruction located in MCAS Quantico, VA. This effort will require interface with the FRS, NAVAIR, NAWCTSD Program Integrated Product Teams (IPTs), Commander, Naval Air Force (CNAF) sponsors, and participation in Navy Helicopters -SH-60B/F/H & MH-60R/S NATOPS conferences and other technical meetings to support currency management of the training system.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• New ISD MAC</li> </ul>	<ul style="list-style-type: none"> <li>• Base period plus 4 one year options</li> </ul>	<p>3<sup>rd</sup> Qtr FY 11</p>  <p>RFP Release</p>	<p>2<sup>nd</sup> Qtr FY 12</p>  <p>Contract Award</p>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>	
<p>Organization: NAWCTSD, Aviation Phone: 407-380-8110 Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>• Estimate \$6.7M</li> </ul>	<ul style="list-style-type: none"> <li>• Incumbent - L3 COMM / D.P. Associates</li> </ul>	

# CISLANT Contractor Instruction Services (CIS)



## Description/Summary of Program Requirements

- Contract Instruction Services (CIS) to be performed by Contract Instructors (CIs) in support of Naval Air Forces U.S. Atlantic Fleet (CNAF EAST) simulators, training devices, associated classroom and/or other training methods for various weapon systems/platforms, as specified in the Statement of Work (SOW) and its respective appendices.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>FTSS III</li> </ul>	<ul style="list-style-type: none"> <li>Base plus one year options plus final period to 60 months</li> </ul>	1 <sup>st</sup> Qtr FY 11  RFP Release	3 <sup>rd</sup> Qtr FY 11  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>	
Organization: NAWCTSD, Aviation Phone: 407-380-8110 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>Estimate \$33M - \$38M total</li> </ul>	<ul style="list-style-type: none"> <li>FTSS II</li> </ul>	

# CISPAC Contractor Instruction Services (CIS)



## Description/Summary of Program Requirements

- Contract Instruction Services (CIS) to be performed by Contract Instructors (CIs) in support of Naval Air Forces U.S. Pacific Fleet (CNAF WEST) simulators, training devices, associated classroom and/or other training methods for various weapon systems/platforms, as specified in the Statement of Work (SOW) and its respective appendices.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>FTSS III</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>Base plus one year options plus final period to 60 months</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>4<sup>th</sup> Qtr FY 10</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY 11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation          Phone: 407-380-8110          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>Estimate \$33M - \$38M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>FTSS II</li> </ul>

# CNATRA Contractor Operations and Maintenance Service (COMS)



## Description/Summary of Program Requirements

- COMS for Chief of Naval Aviation Training (CNATRA) at NAS Corpus Christi and NAS Kingsville, TX, NAS Whiting Field and NAS Pensacola, FL, and NAS Meridian, MS.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• FTSS III</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus 4 one year options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>4<sup>th</sup> Qtr FY11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation          Phone: 407-380-8110          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$20M - \$30M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• Incumbent – LB&amp;B</li> </ul>

# Command Aircraft Crew Training (CACT)



## Description/Summary of Program Requirements

- The contractor shall provide all labor, equipment, training facilities, supervision and other services necessary for training of aircrew personnel of the Navy's UC-12 aircraft pilot training. This contract supports training for Commander Naval Reserve Forces Command (CNRFC), Marine Corps Installation East (MCIEAST), Commander Naval Air Forces East (CNAF EAST), Commander Naval Air Forces West (CNAF WEST), Marine Corps Air Station West (MCIWEST), Marine Corps Air Station, Yuma (MCAS YUMA), Fixed-Wing Experimental (VXS-1), NAVAIR, Marine Corps Base Pacific (MCBPAC) and Naval Criminal Investigative Service (NCIS).

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>Full and Open</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>Base plus 4 one year options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>15 Aug 10</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>3<sup>rd</sup> Qtr FY11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation          Phone: 407-380-8110          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>Estimate \$10.4M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>Incumbent – Flight Safety International</li> </ul>

# Command Aircraft Crew Training (CACT)



## Description/Summary of Program Requirements

- The contractor shall provide all labor, equipment, training facilities, supervision and other services necessary for training of aircrew personnel of the Navy's T-39 aircraft pilot training. This contract supports training for Training Wing 6 (TRAWING6).

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• Sole Source - Flight Safety International</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• Base plus 4 one year options</li> </ul>	<p><b>Milestones</b></p> <p>21 Jul 10 <span style="float: right;">3<sup>rd</sup> Qtr FY11</span></p> <p style="text-align: center;">▲</p> <p>RFP Release <span style="float: right;">Contract Award</span></p>
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Estimate \$800k</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompetete)</b></p> <ul style="list-style-type: none"> <li>• Incumbent – Flight Safety International</li> </ul>

# Command Aircraft Crew Training (CACT)



## Description/Summary of Program Requirements

- The contractor shall provide all labor, equipment, training facilities, supervision and other services necessary for training of aircrew personnel of the Navy's C-20A/D aircraft pilot training. This contract supports training for Commander Naval Reserve Forces Command (CNRFC).

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Full and Open</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus 4 one year options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>2 Aug 10</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation          Phone: 407-380-8110          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$2.2M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• Incumbent – CAE</li> </ul>

# Command Aircraft Crew Training (CACT)



## Description/Summary of Program Requirements

- The contractor shall provide all labor, equipment, training facilities, supervision and other services necessary for training of aircrew personnel of the Navy's C-40A aircraft maintenance training. This contract supports training for Commander Naval Reserve Forces Command (CNRFC).

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Full and Open</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base plus 4 one year options</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>27 May 10</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Aviation                  Phone: 407-380-8110                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimate \$3.5M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• Incumbent – Alteon</li> </ul>

# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



***Mr. Paul Honold***  
***Program Director***

**Undersea Warfare Training**

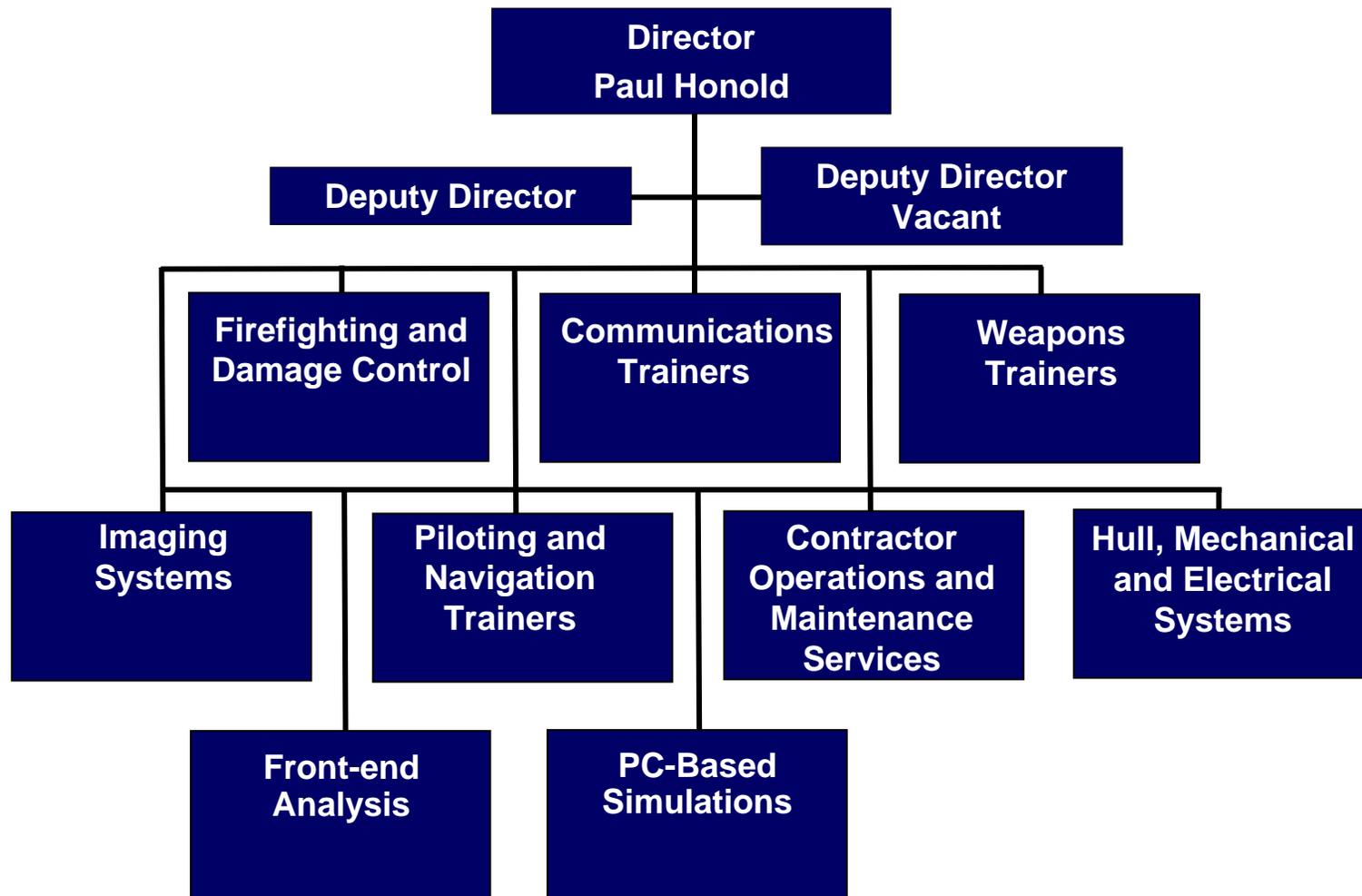




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- The PCO is your source for the most current information

# Undersea Warfare Organization



# Submarine COMS



## Description/Summary of Program Requirements

- Provide Contractor Operations and Maintenance Services (COMS) (FY12 through FY16) for NAWCTSD fielded trainers at the following Submarine Learning Center (SLC) Fleet Training Sites: Naval Submarine School Groton CT; Submarine Learning Facility (SLF) Norfolk VA; Naval Submarine Training Center Pacific Pearl Harbor HI; Submarine Learning Center Detachment San Diego CA; Trident Training Facility (TTF) Bangor WA; TTF Kings Bay GA and Submarine Learning Center Detachment Guam

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• FTSS III</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• One Base Year – 12 Months</li> <li>• Four One Year Options – 48 Months</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY 11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>4<sup>th</sup> Qtr FY 11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, Undersea          Phone: 407-380-4160          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Base Year Estimate: \$3.6 - \$4.0M</li> <li>• Four Option Years Estimate: \$20 - 22M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompet)</b> <ul style="list-style-type: none"> <li>• FTSS II</li> <li>• Incumbent – Lockheed Martin Services, Inc.</li> </ul>

# SUBSKILLSNET-VISIT



## Description/Summary of Program Requirements

- Provide new software and hardware systems, and the update of existing software and hardware systems used for the Submarine Skills Training Network (SUBSKILLSNET) and Virtual Integrated Shipboard Instructional Tour (VISIT) environments. Applies to NAWCTSD fielded trainers at the following Submarine Learning Center (SLC) Fleet Training Sites: Naval Submarine School Groton CT; Submarine Learning Facility (SLF) Norfolk VA; Naval Submarine Training Center Pacific Pearl Harbor HI; Submarine Learning Center Detachment San Diego CA; TRITRAFAC Bangor WA; TRITRAFAC Kings Bay GA and Submarine Learning Center Detachment Guam, as well as Submarine On-Board Training Products. The contract will also be available for non-Undersea users of SUBSKILLSNET.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>
<ul style="list-style-type: none"> <li>• Full and Open</li> </ul>	<ul style="list-style-type: none"> <li>• One Base Year – 12 Months</li> <li>• Four One Year Options – 48 Months</li> </ul>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>1<sup>st</sup> Qtr FY11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>4<sup>th</sup> Qtr FY 11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetes)</b>
<p>Organization: NAWCTSD, Undersea                  Phone: 407-380-4160                  Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>• Base Year Estimate: \$1.5 - \$2.5M</li> <li>• Four Option Years Estimate: \$5M - \$8M</li> </ul>	<ul style="list-style-type: none"> <li>• Incumbent – Symvionics, Inc.</li> </ul>

# TRAINER MODS



## Description/Summary of Program Requirements

- Provide modifications to NAWCTSD fielded trainers at Submarine Learning Center (SLC) Fleet Training Sites. These updates could include such items as Multi-Reconfigurable Training System (MRTS) technical refresh and software updates, Weapons Launch Console Team Trainer technical refresh and software updates, and service life extension modifications to the Damage Control Trainers.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• TSC III</li> </ul>	<ul style="list-style-type: none"> <li>• Pending identification of specific tasks</li> </ul>	<p>4<sup>th</sup> Qtr FY 11</p>  <p>RFP Release</p>	<p>2<sup>nd</sup> Qtr FY 12</p>  <p>Contract Award</p>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompet)</b>	
<p>Organization: NAWCTSD, Undersea                  Phone: 407-380-4160                  Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	

# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



***Robert Seltzer***

***Deputy Director, Research &  
Technology Program Office***



# Research and Technology Program Office (4.6T)



## MISSION

Plan and perform a full range of directed Research & Development in support of Naval & other DoD Training Systems for all warfare areas & platforms, to maintain a Naval Critical Technology Base and transition technology results to the Fleet and other customers





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- The PCO is your source for the most current information



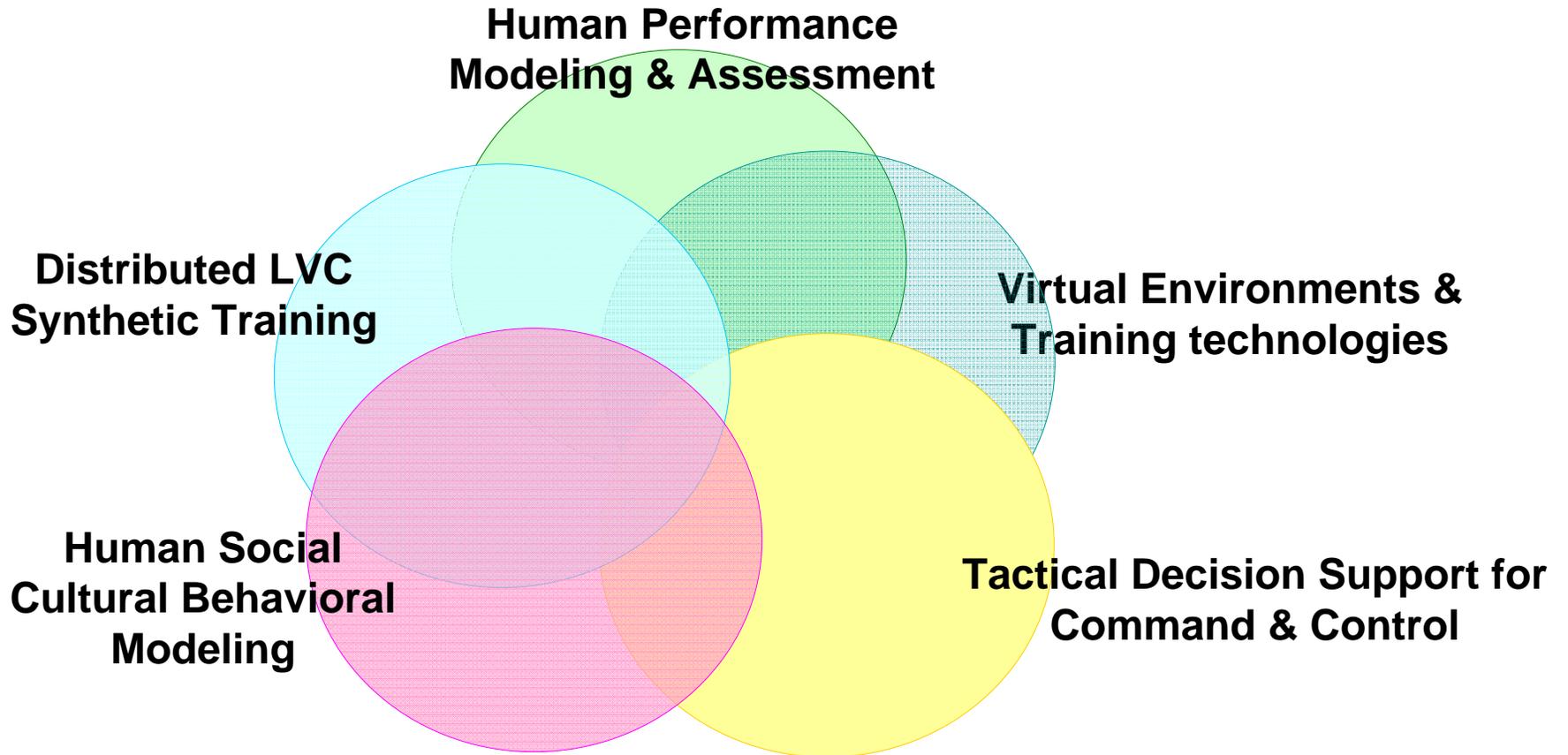
# **NAWCTSD Research Portfolio**



- **Office of Naval Research Science & Technology (6.1 – 6.3)**
  - Basic Research (In-house and Academia)
  - Applied Research
  - Advanced Development
- **Navy Demonstrations and Validation Research (6.4-6.7)**
- **DoD Research**
  - OSD/JFCOM
  - Army/USAF/USMC Research
- **Technology Transfer (Gov/Non-DoD Research)**
- **DoD Small Business Innovation Research (SBIR) & DoD Small Business Technology Transition Research (STTR)**

**NAWCTSD is a R&D Performer and Partners with Industry on Proposals and subsequent Research Efforts**

# R&D Focus Areas





## R&D Focus Areas (Cont)



### Virtual Environment Technologies for Training

- Metrics-driven processes, high-fidelity training environments, and fully linked T&R competencies to achieve aircrew/maintainer qualifications & proficiency while reducing life-cycle cost drivers.
- Develop education and training technologies to cost-effectively maximize transfer from the classroom/trainer to the operational environment.



### Distributed LVC Synthetic Training



- Ability to train and interact in large-scale distributed simulations that provide operationally realistic environments.
- Requires technologies that allow for rapid and reliable threat/intent determination, distributed weapons/sensor coordination, real-time operations and improved mission planning.

# How can Industry Participate in NAWCTSD Research?



- Share information on your IRAD Program
- Pursue Cooperative Research and Development Agreements (CRADAs) with NAWCTSD
- Communicate & partner on joint proposals
  - If successful w/joint proposals several contract vehicle options available:
    - SBIR PIII
    - NAWCTSD R&D Broad Agency Announcement (S&T projects only)
    - ONR/DoD/funding agency contracting
- Participate in SBIR/STTR Solicitations
  - Small Business – Large business partnering

## Research & Technology Program Office POCs

Director, 407-380-4777 <a href="mailto:orlo_businesssupportteam@navy.mil">orlo_businesssupportteam@navy.mil</a>	Deputy Director 407-380-4115 <a href="mailto:orlo_businesssupportteam@navy.mil">orlo_businesssupportteam@navy.mil</a>
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# Small Business Innovation Research (SBIR) Process



## Description/Summary of Program Requirements

- Large businesses can partner w/small businesses
  - Phase 1 (1<sup>st</sup> yr): Scope problem & detail innovative solution (\$150K)
  - Phase II (2<sup>nd</sup>-3<sup>rd</sup> yrs): Develop prototype, test & evaluate (\$750K)
  - Phase III (thereafter): Further R&D development / Acquisition transition (Gov't sole source)
  - 3 SBIR solicitations per year (10 Dec 09, 19 May and 17 Aug 10)
- **Current Solicitation (10.2)/RFP opened until: 23 Jun 10**
- **Next Solicitation (10.3) RFP Opens: 17 Aug 10 – Closes: 15 Sep 10**

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Phase I: Firm Fixed Price</li> <li>• Phase II: Cost Plus Fixed Fee</li> <li>• Phase III: TBD</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Phase I: 6 Month w/6 month Option</li> <li>• Phase II: 24 Months</li> <li>• Phase III: Open</li> </ul>	<b>10.2 Solicitation Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td>19 May 10</td> <td>23 Jun 10</td> <td>15 Nov 10</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>RFP Closes</td> <td>Contract Award</td> </tr> </table>	19 May 10	23 Jun 10	15 Nov 10				RFP Release	RFP Closes	Contract Award
19 May 10	23 Jun 10	15 Nov 10									
											
RFP Release	RFP Closes	Contract Award									
<b>Point of Contact</b> <p>Organization: NAWCTSD, R&amp;T Prgms Office                  Phone: 407-380-4631                  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Year 1 RDT&amp;E \$150K</li> <li>• Year 2-3 RDT&amp;E \$750K (Total)</li> <li>• Year 4+ Non-SBIR \$s; No Limit/No. Competition Required</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• TBD – Up to 2 awards planned/topic</li> </ul>									

See <http://navair.navy.mil/sbir> and <http://www.navysbir.com>

## NAVAIR 10.2 Proposal Solicitation Topics

### **Geo-specific Displacement Maps for Real Time, Stereoscopic Training Simulation (N102-116)**

Develop an innovative, automated process that unlocks the advantages of real-time (RT) displacement maps combined with geo-specific 2/3-D source imagery for implementing high complexity terrain surface regions in VE for RT training.

### **Affordable, Reconfigurable Aerial Refueling Part-Task Trainer (N102-124)**

Develop part-task trainer that emulates the aerial refueling process. Motion-based cues provide the trainee the turbulence & physical motions experienced and visuals developed for the single purpose of aerial refueling training.

### **Low cost G-cues for Pilot Training Device (N102-138)**

Develop a low cost means to provide acceleration cues to a seated pilot as part of real time immersive training in a flight simulator.

**DoD 10.2 Solicitation Opened: 19 May 10 Closes: 23 Jun 10**

*<http://www.dodsbir.net/sitis>*



# OSD / NAWCTSD SBIR Opportunities



## OSD 10.2 Proposal Solicitation Topics

### Immersive Scenario Based Training Environments for Intuitive Decision Making (OSD10-CR3)

Develop a capability to enhance and augment warfighters' intuitive decision making skills by embedding neurocognitive measures of intuition into immersive scenario based training applications.

**DoD 10.2 Solicitation Opened: 19 May 10 Closes: 23 Jun 10**  
*<http://www.dodsbir.net/sitis>*

# Small Business Technology Transition Research (STTR) Process



## Description/Summary of Program Requirements

- **Small business must team with research institution (non-Gov't)**
  - Phase 1 (1<sup>st</sup> yr): Scope problem & detail innovative solution (\$100K)
  - Phase II (2<sup>nd</sup>-3<sup>rd</sup> yrs): Develop prototype, test & evaluate (\$750K)
  - Phase III (thereafter): Further R&D development / Acquisition transition (Gov't sole source)
  - Large businesses can partner w/small businesses (for PIII)
- **2 STTR solicitations per year (23 Feb and 17 Aug 10)**
- **Next Solicitation (10.B) RFP Opens: 17 Aug 10 – Closes: 15 Sep 10**

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Phase I: Firm Fixed Price</li> <li>• Phase II: Cost Plus Fixed Fee</li> <li>• Phase III: TBD</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Phase I: 7 Month w/3 month Option</li> <li>• Phase II: 24 Months</li> <li>• Phase III: Open</li> </ul>	<b>10.3 Solicitation Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td>17 Aug 10</td> <td>15 Sep 10</td> <td>1 Feb 11</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>RFP Close</td> <td>Contract Award</td> </tr> </table>	17 Aug 10	15 Sep 10	1 Feb 11				RFP Release	RFP Close	Contract Award
17 Aug 10	15 Sep 10	1 Feb 11									
RFP Release	RFP Close	Contract Award									
<b>Point of Contact</b> <p>Organization: NAWCTSD, R&amp;T Prgms Office          Phone: 407-380-4631          Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Year 1 RDT&amp;E \$100K</li> <li>• Year 2-3 RDT&amp;E \$750K (Total)</li> <li>• Year 4+ Acq \$ No Limit/No. Competition Required</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompete)</b> <ul style="list-style-type: none"> <li>• TBD – Up to 2 awards planned/topic</li> </ul>									

**STTR 10.B Pre-solicitation opens 20 Jul 10 (<http://www.dodsbir.net/sitis>)**

## NAVY FY11 STTR Proposal Solicitation Topics

### **Expanding Helicopter Pilots Field of View with Spherical Sensing**

Develop a capability to enhance and augment warfighters' FOV, to improve the performance of tasks that rely on peripheral vision. Spherical visual sensing has the potential to improve situation awareness enhancing mission effectiveness and mission safety.

### **Hydrodynamic Modeling for Training Multi-Boat Swarming Tactics**

Develop innovative multi-boat full-motion mixed reality training simulator with hydrodynamic modeling that represents the dynamic interactions between multiple hulls and wakes during swarming tactics carried out in confined river contours and depths. Simulate force vectors applied between boats, visual models as wakes and waves, and drivers and gunners with the necessary visual and haptic cues.

DoD 10.B Solicitation Opens: 17 Aug 10 Closes: 15 Sep 10

DoD 11.A Solicitation Opens: 28 Feb 11 Closes: 30 Mar 11

<http://www.dodsbir.net/sitis>

# Virtual Environment Synthetic Training R&D



## Description/Summary of Program Requirements

- Broad range of R&D services including analysis, studies, engineering support and prototyping to facilitate the customization and application of *Virtual Environment (VE) Synthetic Training* to satisfy Navy mission simulation and training requirements
- Example technology challenges associated with VEs include (but not limited to):
  - Develop mixed reality immersive training and mission rehearsal environments
  - Methods and standards for VE integrated, synchronized environments
  - Multi-sensory presentation -high-fidelity display augmented with aural, tactile, vestibular, and proprioception cues
  - Modeling to support realistic, natural interaction among VE participants
  - Validated methodologies for collaborative training and rehearsal VEs

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>▪ Single award IDIQ</li> </ul>	<ul style="list-style-type: none"> <li>▪ 5 years</li> </ul>	6 Jan 10  RFP Released	4 <sup>th</sup> Qtr FY 10  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetes)</b>	
Organization: NAWCTSD, R&T Prgms Office Phone: 407-380-4631 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>▪ R&amp;D, O&amp;M &amp; APN</li> <li>▪ \$9M ceiling</li> </ul>	<ul style="list-style-type: none"> <li>▪ None</li> </ul>	

# Human Performance Modeling & Assessment R&D



## Description/Summary of Program Requirements

- Broad range of R&D and computer services to facilitate the customization and application of *Human Performance Modeling & Assessment (HPM&A)* to satisfy Navy mission Human Systems Integration (HSI) measurement & evaluation requirements.
- Specific technology challenges associated with HPM&A include:
  - Identifying & validating performance measurement and automated performance measurement methods and models
  - Identifying & validating properties and moderators of human performance in biological & social bands of human activity
  - Developing and validating algorithms and modeling approaches to capture human performance regularities
  - Applying Human Performance Models (HPMs) to simulation-based design, mission planning, and training
  - Advancing real-time processing and integration of HPMs
  - Building models of complex cultural behavior interactions across local, national or regional levels

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>
<ul style="list-style-type: none"> <li>▪ Single award IDIQ</li> </ul>	<ul style="list-style-type: none"> <li>▪ 5 years</li> </ul>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>1<sup>st</sup> Qtr FY 11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>2<sup>nd</sup> Qtr FY 11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>
<p>Organization: NAWCTSD, R&amp;T Prgms Office Phone: 407-380-4631 Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>▪ R&amp;D, O&amp;M &amp; APN</li> <li>▪ \$7M ceiling</li> </ul>	<ul style="list-style-type: none"> <li>▪ None</li> </ul>

# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



***John L. Freeman***  
***Program Director***

**Surface & Expeditionary  
Warfare Programs**

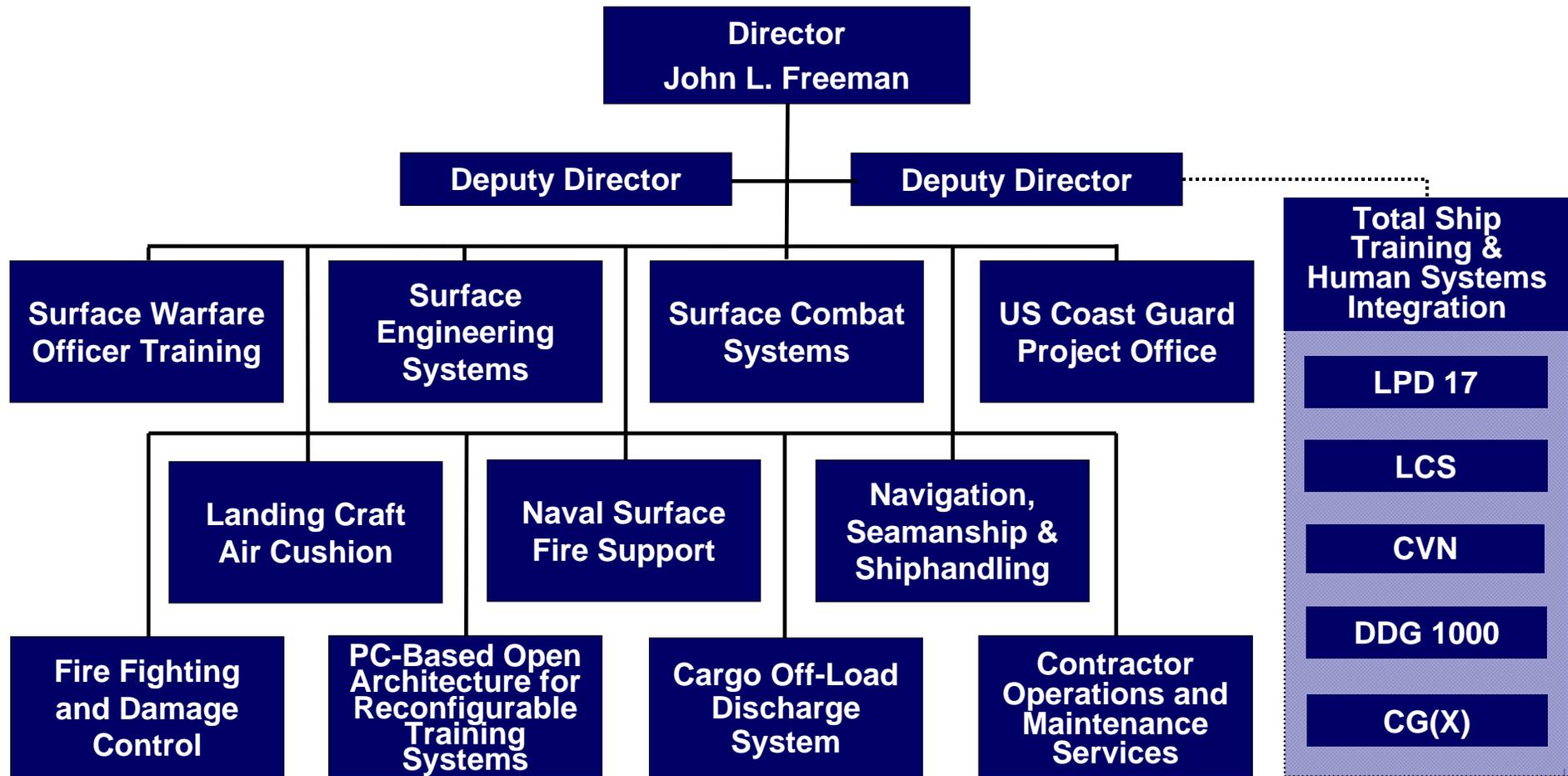




## Disclaimer

- The information about to be presented affords industry partners insight into on-going and pending acquisitions
- Significant portions of the information are planning in nature and are subject to change throughout the acquisition planning and acquisition strategy approval process, and in response to NAVAIRSYSCOM, DASN(A&LM) and DPAP peer reviews
- The PCO is your source for the most current information

# Surface & Expeditionary Warfare Organization



# Fire Fighting/Damage Control



## Description/Summary of Program Requirements

- Surface Fire Fighting Trainer (FFT) Service Life Extension Program II (SLEP II) for FFTs to increase the operational service life of propane fueled, live-fire, shore-based training systems.
- Various modifications, upgrades and life cycle support on hardware and software for Surface FFTs.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• Competitive, TBD</li> </ul>	<ul style="list-style-type: none"> <li>• Base period plus option years</li> </ul>	2 <sup>nd</sup> Qtr FY 11  RFP Release	3 <sup>rd</sup> Qtr FY 11  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetes)</b>	
Organization: NAWCTSD, Surface Phone: 407-380-4029 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>• Estimated \$3.5M for six sites</li> <li>• Dependent upon outyear budget stability</li> </ul>	<ul style="list-style-type: none"> <li>• FTSS IDIQ contract</li> <li>• Engineering Support Personnel, Inc (Incumbent)</li> </ul>	



# Hull, Mechanical & Electrical



## Description/Summary of Program Requirements

- Design, develop, and deliver DDG-51 Machinery Control System (MCS) Operator/Team training capabilities in Fleet concentration areas to support the DDG-51 Class ship.
- Design based on existing Device 19G4, DDG-51 MCS Operator Trainer.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>
<ul style="list-style-type: none"> <li>• Competition Type: TBD, likely Small Business Competition</li> </ul>	<ul style="list-style-type: none"> <li>• Estimated 15 months after contract award</li> </ul>	<ul style="list-style-type: none"> <li>• Milestones will be established after confirmation of funding availability</li> <li>• Anticipate FY11 decision</li> </ul>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompet)</b>
<p>Organization: NAWCTSD, Surface          Phone: 407-380-4029          Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>• Estimated \$2M</li> <li>• Currently unfunded, anticipate favorable funding decision in FY11</li> </ul>	<ul style="list-style-type: none"> <li>• Developer TJ INC</li> </ul>

# 11G2A: CIWS Maintenance Trainer



## Description/Summary of Program Requirements

- Device 11G2A Modernization effort to re-host the existing Maintenance Panel Trainer into a Software Application prototype for Center for Surface Combat Systems (CSCS) Unit Dam Neck.
- Conduct analysis, design, re-host existing Government off-the-shelf (GOTS) Software and develop Graphical User Interface (GUI) application to deliver a modular PC based trainer that can be installed on an existing Advanced Electronic Classroom to provide Close in Weapon System (CIWS) maintenance and surface engagement operations training of CIWS Block 1B baselines 0 and 1.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• 8 (a) set-a-side Sole Source</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• Prototype 9 -12 months</li> <li>• Training Device 9-12 months after prototype</li> </ul>	<p><b>Milestones</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center; vertical-align: top;"> <p>3<sup>rd</sup> Qtr FY 10</p>  <p>RFP Release</p> </td> <td style="text-align: center; vertical-align: top;"> <p>4<sup>th</sup> Qtr FY 10</p>  <p>Contract Award</p> </td> </tr> </table>	<p>3<sup>rd</sup> Qtr FY 10</p>  <p>RFP Release</p>	<p>4<sup>th</sup> Qtr FY 10</p>  <p>Contract Award</p>
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<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Surface                  Phone: 407-380-4029                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Estimated \$800 K for prototype</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompetete)</b></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul>		

# Littoral Combat Ship (LCS)



## Description/Summary of Program Requirements

- Design, develop and deliver PC-based Open architecture for Reconfigurable Training Systems (PORTS) based Littoral Combat Ship (LCS) 1 and 2 Tactical Action Officer (TAO) simulations to the Surface Warfare Officers School (SWOS) Command.
- Leverage Networked Tactical Training System (NTTS) prototype developed under the Office of Naval Research (ONR) Rapid Training Technology efforts and existing PORTS based Aegis Weapon System (AWS) TAO simulations to further build out training functionality. Evaluate embedded training functionality of the LCS 2 Tactical Information and Command System (TACTICOS) combat system for use in a shore-based training environment.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• GRTS/PORTS ID/IQ MAC</li> <li>• Sole Source, NGIS</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• Estimated at 18 months after contract award</li> </ul>	<p><b>Milestones</b></p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">3<sup>rd</sup> Qtr FY 10</td> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	3 <sup>rd</sup> Qtr FY 10	4 <sup>th</sup> Qtr FY 10			RFP Release	Contract Award
3 <sup>rd</sup> Qtr FY 10	4 <sup>th</sup> Qtr FY 10							
								
RFP Release	Contract Award							
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Surface                  Phone: 407-380-4029                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Initial award \$2.7M, with \$8.4M total</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompetes)</b></p> <ul style="list-style-type: none"> <li>• Original developer, Northrop Grumman Information Systems (NGIS)</li> </ul>						

# Littoral Combat Ship (cont'd)



## Description/Summary of Program Requirements

- Design, develop and deliver Littoral Combat Ship (LCS) 2 Readiness Control Officer (RCO) simulations to the Surface Warfare Officers School (SWOS) Command.
- Leverage the LCS 2 On-board Trainer (OBT) to provide embedded training functionality for use in a shorebased training environment.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• TBD pending resolution of intellectual property rights to embedded training software</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• 24 months</li> </ul>	<p><b>Milestones</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center; vertical-align: top;"> <p>1<sup>st</sup> Qtr FY 11</p>  <p>RFP Release</p> </td> <td style="text-align: center; vertical-align: top;"> <p>2<sup>nd</sup> Qtr FY 11</p>  <p>Contract Award</p> </td> </tr> </table>	<p>1<sup>st</sup> Qtr FY 11</p>  <p>RFP Release</p>	<p>2<sup>nd</sup> Qtr FY 11</p>  <p>Contract Award</p>
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<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Surface                  Phone: 407-380-4029                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Estimated \$1.9M</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompetete)</b></p> <ul style="list-style-type: none"> <li>• General Dynamics/L3</li> </ul>		

# Littoral Combat Ship (cont'd)



## Description/Summary of Program Requirements

- Design, develop and deliver Virtual Maintenance Performance Aid (VMPA) training environment to the Surface Warfare Officers School (SWOS) Command.
- Leverage VMPA prototype developed under the Office of Naval Research (ONR) Technology Insertion for Program Savings (TIPS) efforts. Develop an immersive, virtual environment training tool that focuses on the material condition assessment and the additional skills required of the Engineering Plant Technician (EPT) for both routine operations and casualty response.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• Continue transition of prototype effort under MRT3/VAST ID/IQ contract vehicle</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• 24 months</li> </ul>	<p><b>Milestones</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">2<sup>nd</sup> Qtr FY 11</td> <td style="text-align: center;">3<sup>rd</sup> Qtr FY 11</td> </tr> <tr> <td style="text-align: center;">▲</td> <td style="text-align: center;">▲</td> </tr> <tr> <td style="text-align: center;">RFP Release</td> <td style="text-align: center;">Contract Award</td> </tr> </table>	2 <sup>nd</sup> Qtr FY 11	3 <sup>rd</sup> Qtr FY 11	▲	▲	RFP Release	Contract Award
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▲	▲							
RFP Release	Contract Award							
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Surface                  Phone: 407-380-4029                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• \$2M (Pending Favorable Funding Decision)</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompetes)</b></p> <ul style="list-style-type: none"> <li>• BAA (VMPA prototype)</li> <li>• MRT3/VAST ID/IQ</li> <li>• Alion Science &amp; Technology</li> </ul>						



# Landing Craft Air Cushion



## Description/Summary of Program Requirements

- Landing Craft, Air Cushion (LCAC) training at Expeditionary Warfare Training Group Atlantic (EWTGLANT) and Expeditionary Warfare Training Group Pacific (EWTGPAC.)
- Upgrade CRT projection systems in both Full Mission Trainers (FMT) to improve brightness, resolution and reliability.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
• TSC II	• 90 days after contract award	2 <sup>nd</sup> Qtr FY 11  RFP Release	3 <sup>rd</sup> Qtr FY 11  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompet)</b>	
Organization: NAWCTSD, Surface Phone: 407-380-4029 Email: orlo_businesssupportteam@navy.mil	• Estimated \$750K	• N/A	

# Navigation, Seamanship, & Shiphandling



## Description/Summary of Program Requirements

- Omnibus Indefinite Requirements contract for analysis, design, development, modification and in-service support of Navigation, Seamanship, and Shiphandling (NSS) training systems

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• Full and Open Competition</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• Base year plus 4 option years</li> </ul>	<p><b>Milestones</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center; width: 50%;">1<sup>st</sup> Qtr FY 11</td> <td style="text-align: center; width: 50%;">2<sup>nd</sup> Qtr FY 11</td> </tr> <tr> <td style="text-align: center;">                       RFP Release                 </td> <td style="text-align: center;">                       Contract Award                 </td> </tr> </table>	1 <sup>st</sup> Qtr FY 11	2 <sup>nd</sup> Qtr FY 11	 RFP Release	 Contract Award
1 <sup>st</sup> Qtr FY 11	2 <sup>nd</sup> Qtr FY 11					
 RFP Release	 Contract Award					
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Surface                  Phone: 407-380-4029                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Contract Ceiling \$49M</li> <li>• Funding dependent on outyear budget stability</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompet)</b></p> <ul style="list-style-type: none"> <li>• COVE Virtual Ship software is product of Computer Science Corp (CSC) Advanced Marine Center (AMC)</li> </ul>				

# PC-Based Reconfigurable Simulations



## Description/Summary of Program Requirements

- Omnibus contract to support various combat system, sensor and propulsion engineering simulation applications, modifications and upgrades for the PC-Based Open-architecture for Reconfigurable Training Systems (PORTS) based architecture.
- End users include the Surface Warfare Officers School Command (SWOS) and multiple Center for Surface Combat Systems (CSCS) sites including Fleet Anti-Submarine Warfare Training Center and waterfront detachments.
- All development is for delivered software training systems.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• PORTS Single Award ID/IQ Contract (SAC)</li> <li>• Competitive Award Strategy</li> <li>• Single Vendor, Multiple Deliveries</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• Base year plus 4 option years</li> </ul>	<p><b>Milestones</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">4<sup>th</sup> Qtr FY 10</td> <td style="text-align: center;">2<sup>nd</sup> Qtr FY 11</td> </tr> <tr> <td style="text-align: center;">                       RFP Release                 </td> <td style="text-align: center;">                       Contract Award                 </td> </tr> </table>	4 <sup>th</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 11	 RFP Release	 Contract Award
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 RFP Release	 Contract Award					
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Surface                      Phone: 407-380-4029                      Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Estimated SAC value, \$42M over 5 years</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompet)</b></p> <ul style="list-style-type: none"> <li>• Original PORTS developer, Northrop Grumman Information Systems (NGIS)</li> </ul>				



## Late Breaking News.....

- Littoral Combat Ship (LCS)
  - NAWCTSD named as “LCS Training System Executive Agent”
    - Total program to involve the development of curricula, courseware, interactive multimedia instruction, trainers/simulators; an immersive, virtual operations & maintenance training capability; facility modifications/installations and life cycle support for both mission package and seaframe training systems.
    - Final program profile subject to POM12 approval.
- Navigation, Seamanship & Shiphandling (NSS) Training
  - Consolidation of community requirements under leadership of the Surface Warfare Officers School (SWOS) & Commander Naval Surface Forces (CNSF)
    - Management of requirements and training technology/methodology in shore based schoolhouses, at the waterfront (fleet concentration areas), on board ships, etc.
  - With POM12 realignment, N86 resources NSS via NAVSEA PEO (IWS6)
  - NAWCTSD executes training technology requirements (modifications, upgrades, new system development), life cycle support, configuration management, etc.
    - Within the context of this role, NAWCTSD selected by NAVSEA PMS-500 to develop a Full Mission Bridge (FMB) Trainer for the DDG 1000

# TRAINING & SIMULATION

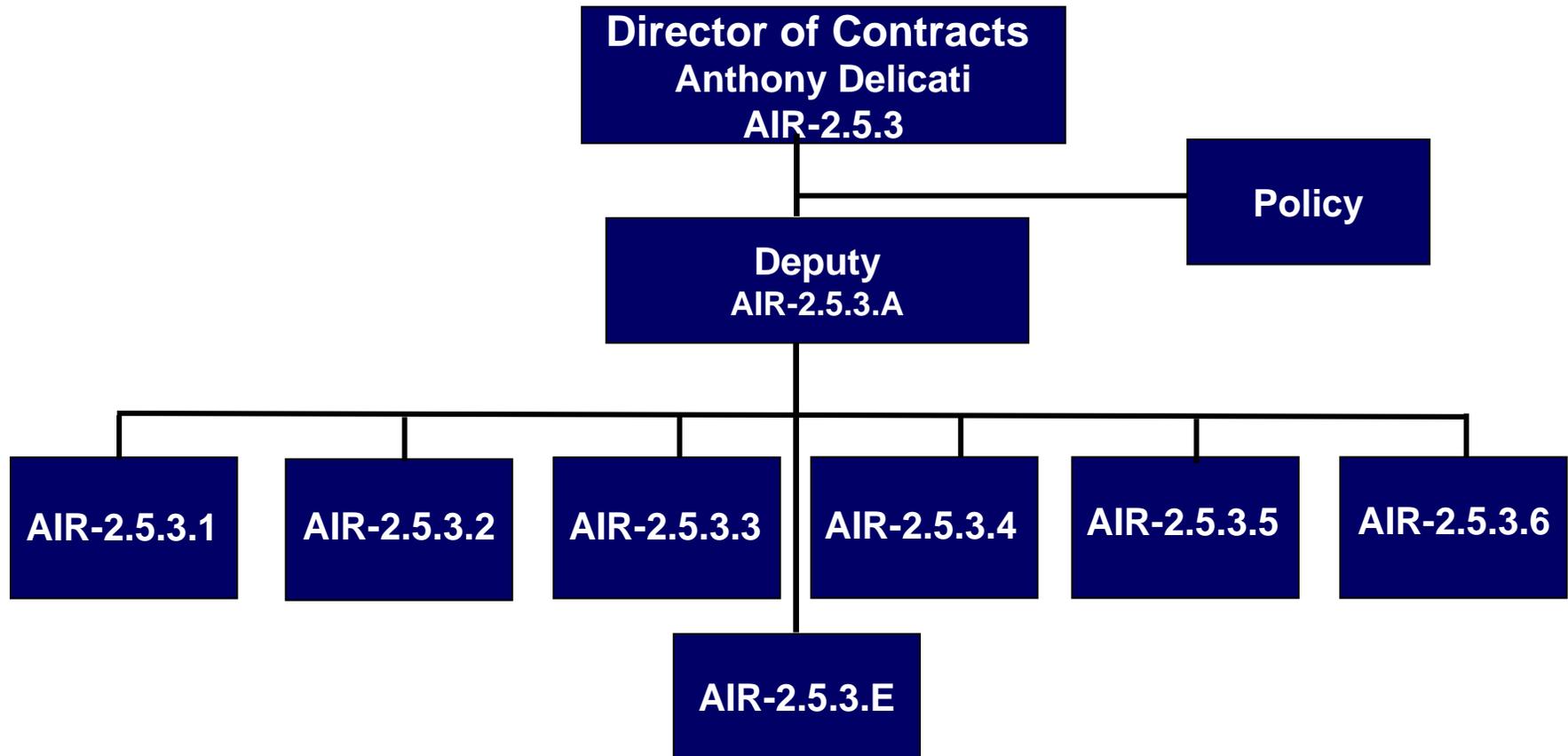
INDUSTRY SYMPOSIUM



***Tony Delicati***  
***Director of Contracts***



# NAWCTSD Contracts Organization



## **“Progress Report” of Significant In-Process and Planned Omnibus Contract Instruments**

- Holistic approach with command “Product Line” serving as the focal point
- Overarching Objectives
  - Partner with the most capable and proven industry performers
  - Support small business and socio-economic interests and appropriately balance these interests with C/S/P risk
  - Enable rapid response capability to fulfill warfighter needs
  - Offer Program Managers an appealing alternative for their toolkit



## Disclaimer

- The information about to be presented affords industry partners insight into on-going and pending acquisitions
- Significant portions of the information are planning in nature and are subject to change throughout the acquisition planning and acquisition strategy approval process, and in response to NAVAIRSYSCOM, DASN(A&LM) and DPAP peer reviews
- The PCO is your source for the most current information



# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers
  - Operational Flight Trainers
  - Weapon Systems Trainers
  - Maintenance Trainers
  - Shiphandling Trainers
  - Tactics Trainers
  - Engineering / Damage Control Trainers



AV-8B



NSS CBT



TaCOVE



## TRAINING SERVICES

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



## TRAINING CONTENT

- Courseware Development
- Curriculum
  - New Development
  - Updates



## INTELLECTUAL SERVICES

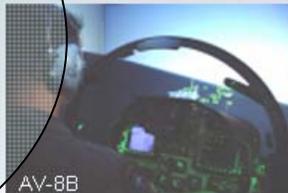
- Research & Development
  - Experimentation & Studies
  - Prototypes
  - SBIR
  - Protection of Human Subjects
- Analysis
  - Front End Analysis
  - Requirements Analysis
  - Media Selection
- Work Year Support



# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers
  - Operational Flight Trainers
  - Weapon Systems Trainers
  - Maintenance Trainers
  - Shiphandling Trainers
  - Tactics Trainers
  - Engineering / Damage Control Trainers



AV-8B



NSS CBT

## TRAINING CONTENT

- Courseware Development
- Curriculum
  - New Development
  - Updates



## • Training Systems Contract (TSC) III MAC

- Primary Scope: Training Systems and modifications including *complementary* ISD products
- Ordering period: 7 years (base of 5 years and two 1-yr options)
- Ceiling amount: ~\$2B
- DRFP issuance anticipated: July 2010
- RFP issuance anticipated: October 2010
- Awards anticipated: September 2011

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



- Requirements Analysis
- Media Selection
- Work Year Support



# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers
  - Operational Flight Trainers
  - Weapon Systems Trainers
  - Maintenance Trainers
  - Shiphandling Trainers
  - Tactics Trainers
  - Engineering / Damage Control Trainers



AV-8B



NSS CBT

## TRAINING CONTENT

- Courseware Development
- Curriculum
  - New Development
  - Updates



- **Navigation, Seamanship & Shiphandling Conning Officer Virtual Environment (NSS COVE) Training System Single Award ID/IQ contract**
  - Scope: Design, development, installation, testing, documentation, modification, and maintenance of hardware and software configurations to meet current and future training requirements
  - Ordering period: 5 years
  - Ceiling amount: ~\$49M
  - Sources sought issued: March 2010
  - RFP issuance anticipated: September 2010
  - Award anticipated: March 2011

- COTS Courseware Acquisition
- Full Spectrum Services



work year support



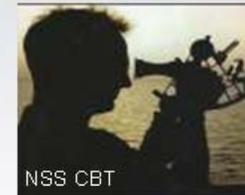
# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers
  - Operational Flight Trainers
  - Weapon Systems Trainers
  - Maintenance Trainers
  - Shiphandling Trainers
  - Tactics Trainers
  - Engineering / Damage Control Trainers



AV-8B



NSS CBT



## TRAINING CONTENT

- Courseware Development
- Curriculum
  - New Development
  - Updates

### • PC-Based Open Architecture Reconfigurable Training Systems (PORTS) Single Award ID/IQ contract

- Scope: Various combat system, sensor and propulsion engineering simulation applications, modifications and upgrades for the PORTS based architecture
- Ordering period: 5 years
- Ceiling amount: ~\$42M
- Sources sought issued: March 2010
- RFP issuance anticipated: September 2010
- Award anticipated: March 2011

- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



- Media Selection
- Work Year Support



# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers
  - Operational Flight Trainers

## TRAINING CONTENT

- Courseware Development
- Curriculum
  - New Development

### Fielded Training Systems Support (FTSS) III MAC

- Primary Scope: Contractor Operation & Maintenance Services and Contractor Instructional Services
- Ordering period: 8 years (base of 5 years and three 1-yr options)
- Ceiling amounts: \$900M (Unrestricted MAC) and \$80M (SBSA MAC)
- Awards anticipated: Unrestricted MAC – October 2010; SBSA MAC – July 2010



## TRAINING SERVICES

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



## INTELLECTUAL SERVICES

- Research & Development
  - Experimentation & Studies
  - Prototypes
  - SBIR
  - Protection of Human Subjects
- Analysis
  - Front End Analysis
  - Requirements Analysis
  - Media Selection
- Work Year Support



# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers

- **Instructional Systems Design (ISD) MAC**
  - Scope: "Independent" ISD products and services
  - Ordering period: 8 years (base of 5 years and three 1-yr options)
  - Ceiling amount: ~\$650M
  - Sources sought issued: January 2010
  - DRFP issuance anticipated: August 2010
  - RFP issuance anticipated: October 2010
  - Awards anticipated: August 2011

- TRAINING CONTENT**
- Courseware Development
  - Curriculum
    - New Development
    - Updates



## TRAINING SERVICES

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



Sustainment



## INTELLECTUAL SERVICES

- Research & Development
  - Experimentation & Studies
  - Prototypes
  - SBIR
  - Protection of Human Subjects
- Analysis
  - Front End Analysis
  - Requirements Analysis
  - Media Selection
- Work Year Support





**Research & Development Single Award ID/IQ Contract**

- Scope: Broad range of research & development services including analysis, studies, engineering support and prototyping to facilitate the customization and application of **Virtual Environment Synthetic Training** to satisfy Navy mission simulation and training requirements.
- Ordering period: 5 Years
- Ceiling amount: ~\$9M
- Award anticipated: August 2010



**TRAINING SERVICES**

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



**INTELLECTUAL SERVICES**

- Research & Development
  - Experimentation & Studies
  - Prototypes
  - SBIR
  - Protection of Human Subjects
- Analysis
  - Front End Analysis
  - Requirements Analysis
  - Media Selection
- Work Year Support



• **Research & Development Single Award ID/IQ Contract**

- Scope: Broad range of research & development and computer services to facilitate the customization and application of **Human Performance Modeling and Assessment (HPM&A)** to satisfy Navy mission Human Systems Integration (HSI) measurement and evaluation requirements.
- Ordering period: 5 Years
- Ceiling amount: ~\$7M
- RFP issued: September 2010
- Proposals Due: November 2010
- Award anticipated: March 2011



**TRAINING SERVICES**

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



**INTELLECTUAL SERVICES**

- **Research & Development**
  - Experimentation & Studies
  - Prototypes
  - SBIR
  - Protection of Human Subjects
- **Analysis**
  - Front End Analysis
  - Requirements Analysis
  - Media Selection
- **Work Year Support**



# PRODUCT LINE

## TRAINING SYSTEMS

- New/Modified Training Systems
  - Aircrew Trainers

## TRAINING CONTENT

- Courseware Development
- Curriculum

### • Seaport-e Task Order for NAWCTSD Workforce Augmentation

- Scope: Contractor support services to NAWCTSD cross-functional competencies
- Length of task order: 5 years
- Value of task order: ~\$100M
- RFP issuance anticipated: September 2010
- Award anticipated: March 2011



## TRAINING SERVICES

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



## INTELLECTUAL SERVICES

- Research & Development
    - Experimentation & Studies
    - Prototypes
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    - Media Selection
- Work Year Support



# PRODUCT LINE

## TRAINING SYSTEMS

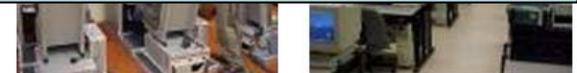
- New/Modified Training Systems
  - Aircrew Trainers

## TRAINING CONTENT

- Courseware Development
- Curriculum

### • Seaport-e Task Order for NAWCTSD ISEO On-Site Workforce Augmentation

- Scope: Engineering and Technical Support Services to NAWCTSD 4.6.4
- Length of task order: 5 years
- Value of task order: ~\$100M
- RFP issuance anticipated: September 2010
- Award anticipated: March 2011



## TRAINING SERVICES

- Operation & Maintenance Services
- Instructor Services
- COTS Courseware Acquisition
- Full Spectrum Services



## INTELLECTUAL SERVICES

- Research & Development
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## Seaport-e Information

- NAVSEA MAC available for use by all Navy SYSCOMs for the competitive acquisition of service requirements in 22 functional areas
- Currently in excess of 1,800 contract holders
- Mandatory use for the acquisition of engineering, financial, and program management contractor support services
- 
- SeaPort-e: <http://www.seaport.navy.mil/default.aspx>
- FY10 “Rolling Admissions” solicitation opened on 5 April and closed on 5 May



## NAWCTSD Business Opportunities website

- Accessed at: “<http://nawctsd.navair.navy.mil/EBusiness/BusOps/Index.cfm>”  
- “Open Acquisitions” link
- Used for acquisitions >\$10K
- Does not serve as a substitute for Government Point of Entry posting requirements for acquisitions >\$25K (i.e. “[www.fedbizopps.gov](http://www.fedbizopps.gov)”)
- Includes acquisitions conducted under NAWCTSD’s Multiple Award Contracts

# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



***CAPTAIN David Grimland***  
***Program Director***

***Cross Warfare***

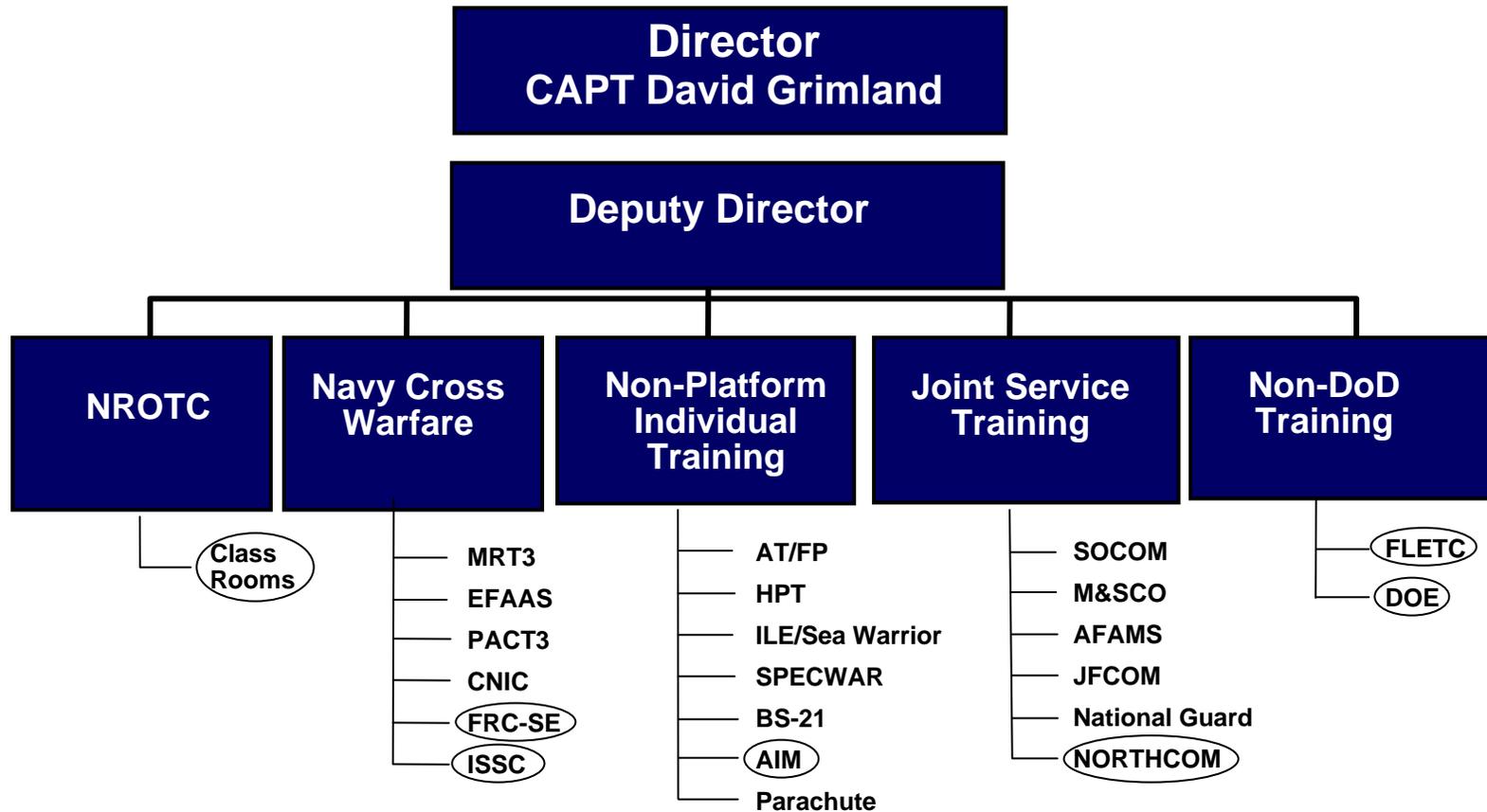




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# Cross Warfare Programs Organization



○ Opportunities  
FY-10, FY-11, FY-12

# Authoring Instructional Materials (AIM)



## Description/Summary of Program Requirements

- Program Description - Government-owned & managed system used by the Navy to design, develop, update, manage, and integrate training content
- Program Requirements - Software engineering, analysis, content development, logistics, life cycle, and management support services

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>▪ Indefinite Delivery Indefinite Quantity (IDIQ) contract</li> <li>▪ Small business set aside</li> <li>▪ Single award</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>▪ 1 year + 4 option years</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td>3<sup>rd</sup> Qtr FY 10</td> <td>1<sup>st</sup> Qtr FY 11</td> </tr> <tr> <td> Release</td> <td> Contract Award</td> </tr> </table>	3 <sup>rd</sup> Qtr FY 10	1 <sup>st</sup> Qtr FY 11	 Release	 Contract Award
3 <sup>rd</sup> Qtr FY 10	1 <sup>st</sup> Qtr FY 11					
 Release	 Contract Award					
<b>Point of Contact</b> <p>Organization: NAWCTSD, Cross Warfare Phone: 407-380-4440 Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>▪ Contract value of up to \$4.5M per year (initial procurement and options)</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompute)</b> <ul style="list-style-type: none"> <li>▪ Current vehicle is IDIQ Five Year contract, incumbent is Columbus Technologies and Services, Inc.</li> <li>▪ OEM – Government Owned Software</li> </ul>				

# Maritime Skills Simulator (MSS) Classrooms



## Description/Summary of Program Requirements

- Project Description: Installation and Integration of Maritime Skills Simulator classrooms at designated Naval Reserve Officer Training Corps (NROTC) sites. (60 Units in total)
  - Four sites installed in FY08 and four in FY09
  - Four scheduled for FY10
 Planned follow-on for the remaining 48 NROTC's
- Provide an internal networked PC environment for use with SubSkillsnet software for simulating navigational scenarios

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>▪ Small business set aside</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>▪ Current contract PoP thru 9/30/2010</li> <li>▪ New effort will be contracted in early FY11</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> <td style="width: 50%;">1<sup>st</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY 10	1 <sup>st</sup> Qtr FY 11			RFP Release	Contract Award
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<b>Point of Contact</b> <p>Organization: NAWCTSD, Cross Warfare Phone: 407-380-4440 Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>▪ Total funding for procurement (O&amp;M) is anticipated to be \$500K</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>▪ Incumbent: AIW</li> <li>▪ Recompetete</li> </ul>						

# Defense Support of Civil Authorities Phase II



## Description/Summary of Program Requirements

- The DSCA course is currently being taught by the Army Northern Command (ARNORTH) in Fort Sam Houston, TX. The course focuses on providing training to senior military officers and Department of Defense (DoD) civilians and their staff to ensure DoD readiness in responding to and supporting Homeland Defense and Civil Support missions. In this course attendees are introduced to national, state, local and DoD statutes, directives, plans, Command and Control (C2) relationships, capabilities and interagency cultures and interactions during disaster and emergency response.
- Sponsored in collaboration with USNORTHCOM, United States Joint Forces Command (USJFCOM) tasked the Naval Air Warfare Center Training Systems Division (NAWCTSD) to conduct a Front-End Analysis (FEA) study. Phase 2 of this effort consists of re-engineering the current DSCA course thru the acquisition of new hardware, software, development of simulation scenarios, and the application of sound Instructional Systems Design (ISD) principles tailored to increase the effectiveness and efficiency of the overall DSCA course.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>▪ A sources sought market research was conducted in late April 2010</li> <li>▪ The acquisition strategy is under evaluation</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>▪ Period of performance is 24 months after contract award</li> <li>▪ PoP is estimated from Dec 2010 thru Dec 2012</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr FY10</td> <td style="width: 50%;">1<sup>st</sup> Qtr FY11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY10	1 <sup>st</sup> Qtr FY11			RFP Release	Contract Award
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<b>Point of Contact</b> <b>Organization:</b> NAWCTSD, Cross Warfare <b>Phone:</b> 407-380-4440 <b>Email:</b> orlo_businesssupportteam@navy.mil	<b>Funding</b> <ul style="list-style-type: none"> <li>▪ This effort is estimated at approx. \$3M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompute)</b> <ul style="list-style-type: none"> <li>▪ Contract award scheduled 1<sup>st</sup> – 2<sup>nd</sup> Qtr FY11</li> <li>▪ New Effort</li> </ul>						

# Department of Energy Front-End Analysis



## Description/Summary of Program Requirements

- The Department of Energy (DOE) Weatherization Assistance Program (WAP) currently enables low-income families to make their homes more energy efficient. Funds are used to improve the energy performance of dwellings of needy families using the most advanced technologies and testing protocols available in the housing industry. Currently DOE is providing training and funding to the states, U.S. overseas territories, and Indian tribal governments to manage the day-to-day details of the program. These governments, in turn, fund a network of local community action agencies, nonprofit organizations, and local governments that provide the weatherization training in every state, the District of Columbia, U.S. territories and among Native American tribes.
- Sponsored in collaboration with the National Institute of Building Sciences (NIBS) the DOE tasked the Naval Air Warfare Center Training Systems Division (NAWCTSD) in Orlando, FL to conduct a Front-End Analysis (FEA) study. The purpose of the FEA is to increase the effectiveness and efficiency of the overall DOE weatherization course. This FEA will be performed by NAWCTSD Instructional Systems Design (ISD) personnel using sound ISD principles and tailored to the specific needs of the weatherization training and the DOE.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>▪ A Front-End Analysis study will be performed by Instructional Systems Designers from NAWCTSD</li> <li>▪ Findings and recommendations of the study will be forwarded to DOE for evaluation</li> </ul>	<p><b>Period of Performance (PoP)</b></p> <ul style="list-style-type: none"> <li>▪ Period of performance is estimated at 12 months from Jun 2010 to Jun 2011</li> </ul>	<p><b>Milestones</b></p> <table border="0"> <tr> <td style="text-align: center;">3<sup>rd</sup> Qtr FY10</td> <td style="text-align: center;">3<sup>rd</sup> Qtr FY11</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">Begin Study</td> <td style="text-align: center;">Complete Study</td> </tr> </table>	3 <sup>rd</sup> Qtr FY10	3 <sup>rd</sup> Qtr FY11			Begin Study	Complete Study
3 <sup>rd</sup> Qtr FY10	3 <sup>rd</sup> Qtr FY11							
								
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<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, Cross Warfare Phone: 407-380-4440 Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>▪ ~ \$150K</li> <li>▪ Funding will be provided by the DOE via NIBS</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompet)</b></p> <ul style="list-style-type: none"> <li>▪ Contracting strategies for Phase 2 are being evaluated</li> <li>▪ Contract for phase 2 could be awarded as early as the 3<sup>rd</sup> Qtr of FY11</li> </ul>						

# Global Logistics Support Services



## Description/Summary of Program Requirements

- Logistics and technical support services in the areas of planning, analysis, development, training, support equipment management, facilities, and execution for AIR-6.7 at the Fleet Readiness Center South East (FRCSE) ~ In-Service Support Center (ISSC) in Jacksonville, FL
- Platforms include: F/A-18, EA-6B, E-6B, F-5, H-1, SH-60, and H-53
- Approximately 25 – 35 task orders awarded per year

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>▪ CPFF IDIQ</li> <li>▪ Small business set aside</li> <li>▪ Single award</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>▪ 1 year + 4 option years</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">3<sup>rd</sup> Qtr FY 10</td> <td style="width: 50%;">1<sup>st</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	3 <sup>rd</sup> Qtr FY 10	1 <sup>st</sup> Qtr FY 11			RFP Release	Contract Award
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# Depot Level Maintenance (DLM) Aircraft Staff Support



## Description/Summary of Program Requirements

- Provide aircraft mechanic and artisan labor for AIR-6.3 depot level maintenance mission at the Fleet Readiness Center South East (FRCSE)
- Approximately 400 – 450 contractor personnel augment Government Civil Service work force to handle maintenance, repair & overhaul workload fluctuations
- Tasks include: Repair, modernization, overhaul, conversion, on site in-service repair, etc; as designated by the Government

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>▪ CPFF IDIQ</li> <li>▪ 8A set aside</li> <li>▪ Single award</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>▪ 1 year + 4 option years</li> <li>▪ FRCSE sites include: Jacksonville, FL; Beaufort, SC and Oceana, VA</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> <td style="width: 50%;">2<sup>nd</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 11			RFP Release	Contract Award
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# Production Support Services



## Description/Summary of Program Requirements

- Manage warehouse operations, process engine/component inductions, maintain tool boxes/buildup, perform production control services (bar-coding, database entry, etc), and operate/maintain mega centers (bench stock and tool issue for artisans) for AIR-6.3 at FRCSE
- Approximately 120 contractor personnel augment Government Civil Service work force to repair and overhaul aircraft components

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>▪ Small business set aside</li> <li>▪ Two contracts awarded from a single RFP: (1) FFP/Performance Based Services (\$28M); (2) CPFF/Non-Performance Based Services ~\$33M</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>▪ 1 year + 4 option years</li> </ul>	<b>Milestones</b> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">1<sup>st</sup> Qtr FY 11</td> <td style="text-align: center;">3<sup>rd</sup> Qtr FY 11</td> </tr> <tr> <td style="text-align: center;">  RFP Release                 </td> <td style="text-align: center;">  Contract Award                 </td> </tr> </table>	1 <sup>st</sup> Qtr FY 11	3 <sup>rd</sup> Qtr FY 11	 RFP Release	 Contract Award
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# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



***Dale Whittaker***  
***International Programs***

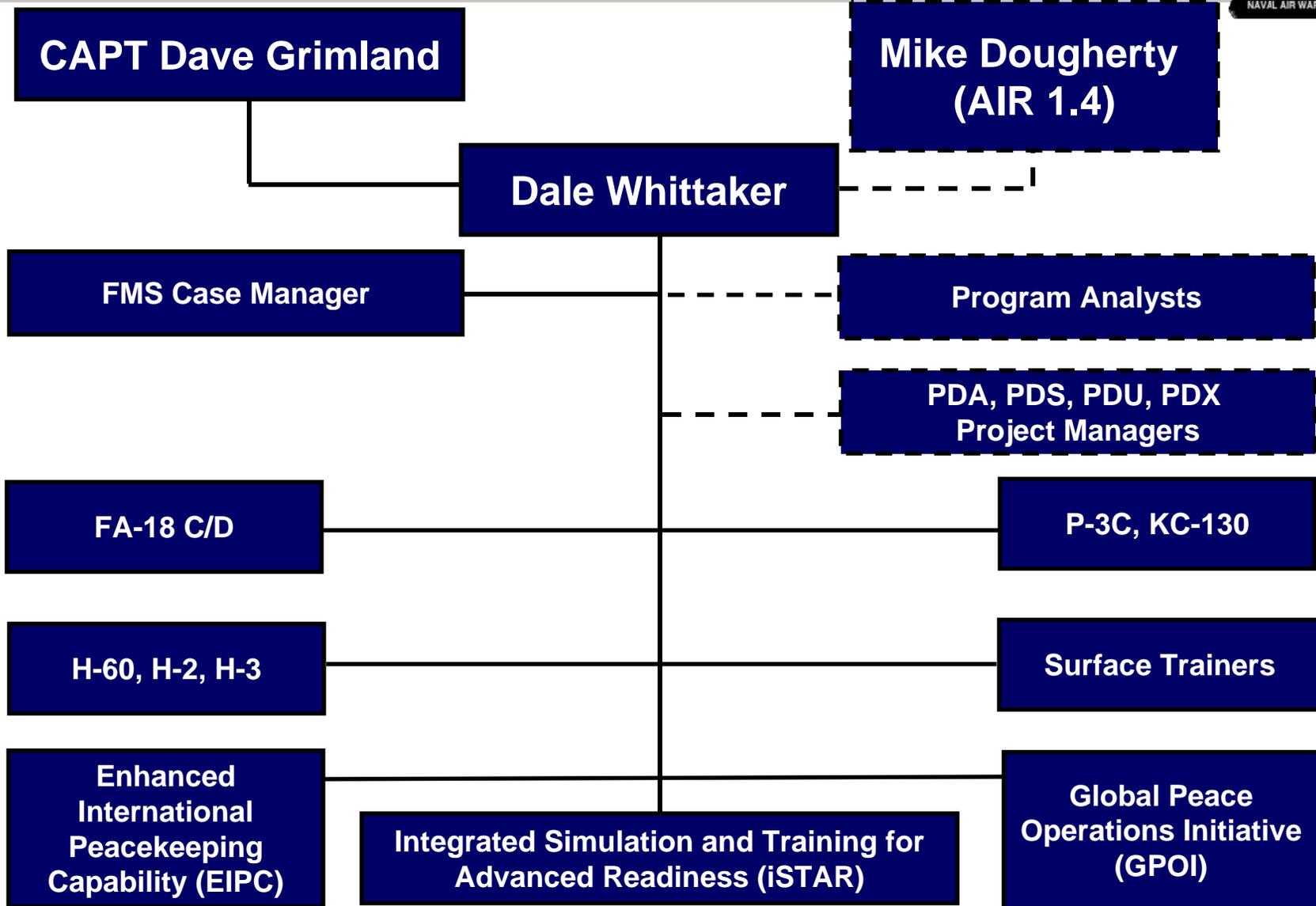




## Disclaimer

- The information about to be presented affords industry partners insight into on-going and pending acquisitions
- Significant portions of the information are planning in nature and are subject to change throughout the acquisition planning and acquisition strategy approval process, and in response to NAVAIRSYSCOM, DASN(A&LM) and DPAP peer reviews
- The PCO is your source for the most current information

# International Programs





# Jordan Full Mission Bridge Trainer



## Description/Summary of Program Requirements

- Design, Development, and Installation of Conning Officer Virtual Environment (COVE) Full Mission Bridge Trainer for Jordanian Armed Forces
- Capability will include ship controls, visual database, and ship hydrodynamics representative of the Jordanian Armed Forces

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Sole Source to Computer Science Corp (CSC) Advance Marine Center (AMC)</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• 18 months</li> </ul>	<b>Milestones</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>1<sup>st</sup> Qtr FY 11</p>  <p>RFP Release</p> </div> <div style="text-align: center;"> <p>3<sup>rd</sup> Qtr FY 11</p>  <p>Contract Award</p> </div> </div>
<b>Point of Contact</b> <p>Organization: NAWCTSD, International  Phone: 407-381-8648  Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimated 2.5M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompet)</b> <ul style="list-style-type: none"> <li>• COVE Virtual Ship software is a product of Computer Science Corp (CSC) Advanced Marine Center (AMC)</li> </ul>



# Japan Single Ship ASW Trainer



## Description/Summary of Program Requirements

- Japanese FMS 14A12(J) Single Ship Anti-Submarine Warfare Trainer modernization
- Modernization to replace obsolete hardware & software to run on PC platforms
- Trainer is shared by the US Navy & Japanese Maritime Self Defense Force ASW Teams

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• Sole Source to MES, Inc.</li> </ul>	<ul style="list-style-type: none"> <li>• 12 months</li> </ul>	<p>2<sup>nd</sup> Qtr FY 10</p>  <p>RFP Release</p>	<p>3<sup>rd</sup> Qtr FY 10</p>  <p>Contract Award</p>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompet)</b>	
<p>Organization: NAWCTSD, International          Phone: 407-381-8648          Email: orlo_businesssupportteam@navy.mil</p>	<ul style="list-style-type: none"> <li>• Estimated \$800K</li> </ul>	<ul style="list-style-type: none"> <li>• MES INC</li> </ul>	

# Royal Saudi Naval Forces NTTT



## Description/Summary of Program Requirements

- Design, Development, and Installation of Naval Tactical Team Trainer (NTTT) to support fleet training for the Western Fleet.
- The NTTT will replicate the operation and sensor characteristics of the Saudi Arabian Patrol Coastal Guided Missile (PCG/PPG) platforms. The system will provide introduction to war-fighting command and control, Electronic Warfare (EW) procedures, and provide procedural training in multi-unit operations at the Principle Warfare Officer (PWO), Director, and Operator levels.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• Sole Source to AMEL Corporation</li> </ul>	<ul style="list-style-type: none"> <li>• 18 months</li> </ul>	1 <sup>st</sup> Qtr FY 11  RFP Release	3 <sup>rd</sup> Qtr FY11  Contract Award
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompet)</b>	
Organization: NAWCTSD, International Phone: 407-381-8648 Email: orlo_businesssupportteam@navy.mil	<ul style="list-style-type: none"> <li>• Estimated \$6M</li> </ul>	<ul style="list-style-type: none"> <li>• AMEL</li> </ul>	

# Iraq Off Shore Vessel Training Systems/Training



## Description/Summary of Program Requirements

- FMS Case developed to support training related to the Off Shore Vessel (OSV) currently under construction with NAVSEA PEO SHIPS.
- Requirements will include – procurement of up to four training systems; development of curriculum to support the OSV; execution of a 60 day training course to support OSV curriculum; “care and feeding” of up to fifty Iraqi Navy students.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• TBD</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• 18 Months</li> </ul>	<p><b>Milestones</b></p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> <td style="width: 50%;">4<sup>th</sup> Qtr FY 10</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY 10	4 <sup>th</sup> Qtr FY 10			RFP Release	Contract Award
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RFP Release	Contract Award							
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, International          Phone: 407-381-8648          Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Estimated \$16M</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompet)</b></p>						

# Kuwait Tactical Operational Flight Trainers



## Description/Summary of Program Requirements

- Design, Development, and Installation of (2) Two FA-18 Tactical Operation Flight Trainers (TOFT) for Kuwait Air Force.
- TOFT requirements include a Brief and Debrief Station (BDS), Theater Specific Visual Data Base, Contractor Logistics Support (CLS), Maintainer and Operator Training Courses, and a Spare Parts Package.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• Utilize TSC II</li> <li>• Based on the strict requirements of the LOA an EFO has been processed and approved for L3 Communications.</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• 24 Months</li> </ul>	<p><b>Milestones</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center; vertical-align: top;"> <p>1<sup>st</sup> Qtr FY 10</p>  <p>RFP Released</p> </td> <td style="text-align: center; vertical-align: top;"> <p>4<sup>th</sup> Qtr FY 10</p>  <p>Contract Award</p> </td> </tr> </table>	<p>1<sup>st</sup> Qtr FY 10</p>  <p>RFP Released</p>	<p>4<sup>th</sup> Qtr FY 10</p>  <p>Contract Award</p>
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<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, International          Phone: 407-381-8648          Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Estimated \$25M</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompet)</b></p>		

# Taiwan Navy OFT/WST Simulators



## Description/Summary of Program Requirements

- The OFT will be the equivalent of a motion-based FAA Level D flight simulator and have similar functionality and fidelity as the Purchaser's P-3C aircraft equipment. The OFT will include hardware and software to support pilot and flight engineer training.
- The WST will replicate the operation and sensor characteristics of the Purchaser's P-3C aircraft. The WST will include hardware and software to support training of mission system operators of the Purchaser's P-3C aircraft.
- The OFT and WST shall be standalone training devices that are capable of operating in a coupled mode.
- Initial Spares and CLS.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Utilize TSC II</li> <li>• Full and Open</li> <li>• Single Firm Fixed Price Award</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• 42 months</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">3<sup>rd</sup> Qtr FY 10</td> <td style="width: 50%;">2<sup>nd</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	3 <sup>rd</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 11			RFP Release	Contract Award
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RFP Release	Contract Award							
<b>Point of Contact</b> <p>Organization: NAWCTSD, International Phone: 407-381-8648 Email: orlo_businesssupportteam@navy.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Estimated \$48M</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompet)</b>						

# Enhanced International Peacekeeping Capabilities (EIPC)



## Description/Summary of Program Requirements

- Effort is in support of the Enhanced International Peacekeeping Capabilities (EIPC) Program. This is a State Department funded program to assist in capacity building for a variety of participants who support the UN Peacekeeping missions worldwide.
- Requirements include: assisting in site surveys to determine and validate requirements; procurement of classroom type equipment (computers, servers, language labs, printers, etc); prep for and ship (as required) to the site; conduct site installation and training/support as required.
- Countries/sites include, but are not limited to: Latvia, Kenya, Ghana, Tunisia, Morocco, Mongolia, and Poland.

<p><b>Acquisition Strategy</b></p> <ul style="list-style-type: none"> <li>• Competitive small business set aside or Service Disabled Veteran Owned Small Business (SDVOSB).</li> </ul>	<p><b>Period of Performance</b></p> <ul style="list-style-type: none"> <li>• 18 Months</li> </ul>	<p><b>Milestones</b></p> <table style="width: 100%; text-align: center;"> <tr> <td>1<sup>st</sup> Qtr FY 11</td> <td>3<sup>rd</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	1 <sup>st</sup> Qtr FY 11	3 <sup>rd</sup> Qtr FY 11			RFP Release	Contract Award
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RFP Release	Contract Award							
<p><b>Point of Contact</b></p> <p>Organization: NAWCTSD, International                  Phone: 407-381-8648                  Email: orlo_businesssupportteam@navy.mil</p>	<p><b>Funding</b></p> <ul style="list-style-type: none"> <li>• Individual FMS Cases vary in value from \$200K up to \$1.2 million.</li> </ul>	<p><b>Current Contract/Original Developer/OEM (if recompetete)</b></p>						

# Global Peace Operations Initiative (GPOI)



## Description/Summary of Program Requirements

- Effort is in support of the Global Peace Operations Initiative Program. This is a State Department funded program which is a follow-on to EIPC and is focused on regions vice individual countries with the intent to assist in capacity building for a variety of participants who support the UN Peacekeeping missions worldwide.
- Requirements include: assisting in site surveys to determine and validate requirements; procurement of classroom type equipment (computers, servers, language labs, printers, etc); prep for and ship (as required) to the site; conduct site installation and training/support as required.
- Countries/sites include, but are not limited to: Cambodia, Malaysia, Nepal, Mongolia, Philippines, Thailand, and South Korea.

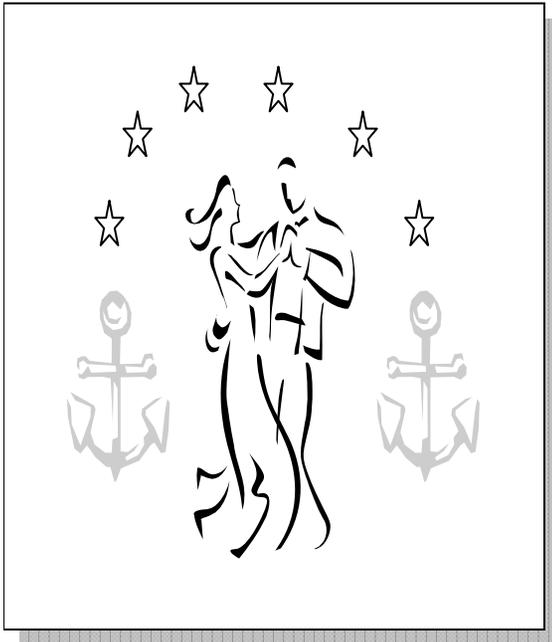
<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Competitive small business set aside or Service Disabled Veteran Owned Small Business (SDVOSB).</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• 20 Months</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td>1<sup>st</sup> Qtr FY 11</td> <td>3<sup>rd</sup> Qtr FY 11</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	1 <sup>st</sup> Qtr FY 11	3 <sup>rd</sup> Qtr FY 11			RFP Release	Contract Award
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RFP Release	Contract Award							
<b>Point of Contact</b> Organization: NAWCTSD, International Phone: 407-381-8648 Email: orlo_businesssupportteam@navy.mil	<b>Funding</b> <ul style="list-style-type: none"> <li>• Individual FMS Cases vary in value from \$200K up to \$3.0 million.</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> 						



# **Closing Remarks And Questions**

**CAPT Robinson  
Commanding Officer  
NAWCTSD**

# United States Navy 234<sup>th</sup> Birthday Celebration



**Saturday, 16 October 2010**

**Hyatt Regency**

**Orlando International Airport**

<http://www.cfnavyleague.org>

**Gala Reception – Dinner – Dancing - Ceremonies**



***Training Centric...Readiness Focused***

**November 29 – December 2, 2010**

**Orange County Convention Center**

**I/ITSEC Golf Tournament**

**28-29 November 2010**

**Registration will be available on the NTSA website**



## Issues....Concerns?

**Contact NAWCTSD's Industry Ombudsman:**

**Mr. Rob Matthews – 407 380-8149**

**or**

**Mr. Charles Betterson – 407 380-4169**

**Today's briefing can be found at:**  
**<http://nawctsd.navair.navy.mil/TSIS>**



# Questions