

SOURCES SOUGHT NOTICE

Live, Virtual, Constructive Modeling & Simulation (LVCMS)/ Anti-Submarine Warfare Virtual At-Sea Training Systems (ASW VAST) – Orlando, FL

The Naval Air Warfare Center Training Systems Division (NAWCTSD) in Orlando, FL has a requirement to support multiple sponsors (Office of Naval Research (ONR), US Fleet Forces Command (USFF), Deputy Director for Joint and Coalition Warfighting (DD J7 JCW), Assistant Secretary of the Navy Research Development and Acquisition (OASN (RD&A)), Naval Sea Systems Command (NAVSEA), Commander Strike Force Training Atlantic (CSFTL), Tactical Training Group Pacific (TTGP), PMA-205, 290, 264 and 299) with the various LVCMS and ASW VAST Training Systems. This requirement includes providing all labor, material, equipment, maintenance, transportation, training and support services necessary to design, develop, integrate, test, deliver, maintain, operate and support a high functional fidelity training system for various ASW platforms and systems.

Background

The LVCMS and ASW VAST family of training systems use Commercial Off the Shelf (COTS) hardware and Linux and Windows operating systems to emulate, simulate, and/or stimulate various Naval tactical systems for training purposes. The LVCMS and ASW VAST family of training systems are networked, PC-based deployable trainers designed to support integrated and coordinated ASW tactical training using Joint Semi Automated Forces (JSAF) Navy Training Baseline (NTB) simulation. The current training system configuration is comprised of personal computers (PC), each PC system representing a mission training station in a particular aircraft (i.e. SH-60B, SH-60F, P-3C) or Ship-board system which, when in a networked environment, allow for integrated mission training. The Navy has requirements for the design, fabrication, test, development and maintenance of the LVCMS and ASW VAST training systems to include aircraft and surface ship representations.

Requirements

The Contractor shall provide design, development, integration, test, delivery, and sustainment support for the LVCMS and ASW VAST family of training systems, to include installation support at the various locations. The Contractor shall design the training systems for compatibility with anticipated changes in products such as operating systems and JSAF NTB. The Contractor shall also design and develop training systems to be operable within the Navy Continuous Training Environment (NCTE) using JSAF NTB. The Government laboratory for testing and integration of software and hardware is located in Orlando, Florida. Currently, the LVCMS and ASW VAST family of training systems requiring sustainment and Fleet Synthetic Training (FST) support include: Mission Rehearsal Tactical Team Trainer (MRT3), Bravo Aircrew Tactical Team Trainer (BATT), Bravo Romeo Acoustic Stimulation System (BRASS), High Fidelity Active Sonar Training Command (HIFAST CMD), P-3 Air Crew Tactical Team Trainer (PACT3), Virtual Maintenance Performance Aide (VMPPA), Virtual Anti-Submarine Warfare (ASW)/Anti-Surface Warfare (ASUW) Tactical Air Controller (VASTAC), Effective Active Acoustic Simulation/Stimulation (EFAAS), Sonobuoy Acoustic Training System (SATS), Common Distributed Mission Training Station (CDMTS), and Tactical Warfare Instructor Support Environment (TACWISE). The Contractor shall provide the sustainment and FST support of these families of training systems at multiple sites including Naval Air Station (NAS)

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Mayport, FL, NAS Jacksonville, FL, NAS North Island, CA, and multiple OCONUS DOD sites.

Primarily the end item deliverables consist of data items such as:

Media	Technical Descriptions
Research support products	System Design Descriptions
Test and evaluation products	Technical Studies
Technical documentation	Test Plans
Test Procedures	Test Reports
Software Version Descriptions	Software Product Specifications
Software Integration Products	Training Support Plans

LVCMS and ASW VAST software products consisting of:

Re-used and expanded LVCMS and ASW VAST code
Libraries and data

The contractor shall research, design, test, evaluate, integrate, implement and support transition of training solutions. In addition, the contractor shall provide upgrades and patches to the existing trainers and develop and field new training solutions emulating other military systems.

These efforts will require support to and coordination with various working groups and participation in the Acquisition Program Baseline (APB) process. The Contractor shall support the submission of its technologies to the APB process and its build-test- build approach to technology maturation. In addition, the Contractor shall conduct design, development, testing, analysis and documentation under the guidance of the APB and various working groups. The Contractor shall support integration, test, and delivery. The Contractor shall update its product as required to address the findings of the working groups.

The Government shall retain unlimited rights to all source code and data pertaining to the design, component specifications, hardware, software, processes and procedures developed under this contract.

A non-commercial, Indefinite Delivery, Indefinite Quantity (IDIQ) contract is anticipated on a Firm Fixed Price (FFP) and / or Cost Plus Fixed Fee (CPFF) basis. The contract will be for a 5 year period of performance and anticipates contract award in 4th Quarter 2013.

Responses to Sources Sought Notice

Responses should include a narrative identifying the scope of past and present (within the last 3 years) relevant experience on similar contracts, indicating if it was in the U.S.A. or in foreign country (include dollar value, complexity and point of contact), a description of capabilities to perform the subject effort, any comments on the requirement and any alternative approaches to filling the subject requirement. Potential sources must identify their business type (i.e., small business, large business, small disadvantaged business, 8(a) certified business, woman-owned business, etc). For purposes of reporting business size, the applicable North American Industry

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Classification Systems (NAICS) Code for this requirement is 541511, Custom Computer Programming Services with a size standard of \$25.5 million. Brevity of extraneous information is desired.

Information should be sent via e-mail to wayne.c.miller@navy.mil. Alternative submittal methods are via facsimile to (407) 380-3410 Attn: Code 2531 (Wayne Miller) or by mail to: Naval Air Warfare Center Training Systems Division, ATTN: Code 2531 (W. Miller), 12350 Research Parkway, Orlando, FL 32826-3275. Responses are requested by 7 September 2012. The submission of this information is for PLANNING PURPOSES ONLY and is not to be construed as a commitment by the Government to procure any services, or for the Government to pay for the information received. NO SOLICITATION DOCUMENT EXISTS AT THIS TIME. All questions should be directed to Contract Specialist, Wayne Miller, via email at wayne.c.miller@navy.mil or by telephone at (407) 380-4475.