

EXPLOSIVE ORDNANCE DISPOSAL GROUP TWO

Vertical Wind Tunnel/ Military Freefall Simulator Training Facility

1.0 BACKGROUND

Explosive Ordnance Disposal (EOD) Group Commanders provide forces in support of Fleet Commanders and Navy Component Commanders, Carrier Strike Groups (CSG), Expeditionary Strike Groups (ESG), Mine Countermeasures (MCM) Task Forces/Groups, Naval Special Warfare (NSW) Squadrons, Army Special Operations Forces (SOF), Military Sealift Command (MSC), Unified Theatre Commanders, Navy Regional Commanders, and contingency operations (i.e. aircraft recovery, range/waterway clearance, U.S. Secret Service support, CNO projects, etc.).

The vertical wind tunnel is a valuable tool that enables parachutists to practice and improve body flight technique. It enables parachutists to practice emergency procedures while wearing military equipment, i.e. parachutes and equipment bags in a controlled environment. This training is vital to keeping parachutists safe and proficient in order to accomplish their mission as it relates to Explosive Ordnance Disposal.

2.0 SCOPE

EODGRU TWO is seeking a qualified Contractor to provide a vertical wind tunnel facility and training in order to elevate the proficiency levels of military freefall parachutists assigned to EODGRU TWO.

Provide Vertical Wind Tunnel (VWT)/Military Freefall Simulator Facility use for training of personnel assigned to EODGRU TWO and subordinate commands.

ACRONYMS

AMC – Air Mobility Command
CNO – Chief of Naval Operations
COR - Contracting Officer Representative
CSG/ESG – Carrier Strike Groups/Expeditionary Strike Groups
DOD - Department of Defense
DON - Department of Navy
DZ – Drop Zone
EOD – Explosive Ordnance Disposal
EODTEU – Explosive Ordnance Disposal Training and Evaluation Unit
FAR – Federal Aviation Regulation
GFE – Government Furnished Equipment
GFF – Government Furnished Facilities
GFI – Government Furnished Information
HALO/HAHO – High Altitude Low Opening/ High Altitude High Opening
JTR – Joint Travel Regulations

KO – Contracting Officer
MCM – Mine Countermeasure
MFF – Military Free Fall
MSC – Military Sealift Command
MSL – Mean Sea Level
OFRP – Optimized Fleet Response Plan
P3 – Premeditated Personnel Parachuting
PMT – Pre-mission Training
POP – Period of Performance
PWS – Performance Work Statement
QASP – Quality Assurance Surveillance Plan
SOFBIS – Special Operation Forces Baseline Interoperable Standards
SME – Subject Matter Expert
TA – Technical Assistant
TPOC – Technical Point of Contact
USPA – United States Parachute Association
VWT – Vertical Wind Tunnel
ZAR – Zone Availability Report

3.0 REQUIREMENTS

3.1 The contractor will provide a secure area for military personnel to conduct wind tunnel training and instruction. Facility will be sufficient in size to accommodate multiple personnel performing relative work (RW) training. The contractor shall provide a clean, effective facility for the conduct of vertical wind tunnel training. User requires access to classroom spaces for debriefing purposes.

Specific requirements are as follows:

3.1.1 The contractor shall provide no more than a total of two hundred and thirty (232) hours of vertical wind tunnel rental hours per year. Which will further defined as:

- No more than one hundred eight-two (182) hours of non-coached VWT per year.
- No more than forty(40) IBFA Level 4 coached VWT hours per year.

3.1.2 The VWT shall:

3.1.2.1 Meet or exceed 14 feet in diameter and contain a climate controlled recirculating flight chamber.

3.1.2.2 Accommodate four (4) students at one (1) time.

3.1.2.3 Incorporate a make-up air system, allowing the antechamber to remain open while the tunnel still runs.

3.1.3 Facility wind speed will be sufficient to lift a parachutist wearing tunnel-safe parachutes and equipment bags (approximately 400lbs).

3.1.4 Contractor shall provide classroom facilities to accommodate no more than thirty (30) students.

3.1.4.1 Classroom facilities shall be equipped with a large, high definition screen for viewing and assessment of training videos.

3.1.5 Contractor shall provide wind tunnel suits, helmets, and goggles for use by participants.

3.1.6 Video Recording and Playback:

3.1.6.1 Contractor shall provide equipment and personnel necessary to perform video recording and playback capabilities of all VWT training events.

3.1.6.2 The contractor shall provide the capability for recording and playback to occur concurrently.

3.1.6.3 A large, high definition viewing area/screen shall be provided in order to adequately assess student performance. This equipment should be located in the classroom.

3.1.7 Scheduling and Access:

3.1.7.1 Tentative training schedules will be provided at contract award.

3.1.7.2 Schedule changes will be made NLT seven (7) days prior to the start of each training event. All changes will be coordinated through the Unit POC and contract TA.

3.1.7.3 The contractor shall provide access to the training facility from 0600 until 1900, Monday-Friday, excluding holidays.

3.1.7.4 User will coordinate with the contractor for access outside of the normal scheduled hours.

3.1.8 When performing work associated with this PWS, the Contractor shall make clear to all individuals that they are Contractor employees and not DOD personnel when working in any situation where their contractor status is not obvious to third parties.

3.1.9 Contractor shall provide no more than forty (40) hours of IBA Level 4 Coaching in accordance with the following:

3.1.9.1 The Contractor shall provide:

3.1.9.1.1 A functioning Vertical Wind Tunnel.

3.1.9.1.2 IBA Level 4 qualified instructors.

3.1.9.1.3 On site high definition video debrief facilities.

3.1.9.1.4 Parachutes and combat equipment modified for VWT use.

3.1.9.2 Training Requirements:

3.1.9.2.1 Belly fly evaluation, 8 points of motion

- 3.1.9.2.2 Leg turns and range of motion.
- 3.1.9.2.3 Burble drills.
- 3.1.9.2.4 Back fly body position
- 3.1.9.2.5 Walking in the tunnel
- 3.1.9.2.6 Crouching/kneeling/transitions
- 3.1.9.2.7 Effects of burbling in vertical orientation
- 3.1.9.2.8 Coaching the coach
- 3.1.9.2.9 Military equipment in the tunnel
- 3.1.9.2.10 How to move a flyer.
- 3.1.9.2.11 Emergency procedures

4.0 Transportation. The government shall provide all necessary transportation for EOD operators only, to and from training locations to include travel costs that may be associated herewith.

5.0 Mishap. The Contractor shall promptly report to the COR/TPOC and procuring Contracting Officer (PCO) if a mishap involving services under this contract results in an injury. If the U.S. Navy conducts an investigation of the accident, the Contractor (including all Sub-Contractors) shall cooperate with the government personnel until the investigation is completed. The Contractor shall allow authorized government representatives access to the Contractor's facilities, personnel, and safety program documentation.

5.1 Contractor Responsibility for Safety. Nothing in this PWS, nor any government action or failure to act in surveillance of this contract, shall relieve the Contractor of its responsibility for the safety of the Contractor's personnel and property, the Government's personnel and property, and the general public. Furthermore, nothing in this PWS shall relieve the Contractor of its responsibility for complying with applicable federal, state, and local laws, ordinances, codes, and regulations (including those requiring applicable licenses and permits) in connection with the performance of this contract.

5.2 Non-personnel Service Statement. Contractor employees performing services under this PWS shall be controlled, directed, and supervised at all times by management personnel of the Contractor. The Contractor shall ensure that employees properly comply with the tasks, policies, and procedures contained within this PWS. Contractor employees shall perform their duties independent of, and without the supervision of, any government official. The tasks, duties, and responsibilities set forth in this PWS may not be interpreted or implemented in any manner that results in any Contractor employee creating or modifying federal policy, obligating the appropriated funds of the United States Government, overseeing the work of federal employees, providing direct personal services to any federal employee, or otherwise violating the prohibitions set forth in parts 7.5 and 37.1 of the Federal Acquisition Regulations (FAR). The Government shall control access to the facility and perform the inspection and acceptance of completed work.

6.0 Place of Performance. This service will be provided at the contractor's facility. The contractor's facility shall be located within 75 miles of Joint Expeditionary Base Little Creek Fort Story (JEBLCFS) and designated locations of OCONUS units and deployed commands if available.

7.0 Quality Assurance Surveillance Plan. To ensure that the Government has an effective and systematic method of surveillance for the services in the PWS, a QASP will be used primarily as a tool to verify that the contractor is performing all services required by the PWS in a timely, accurate and complete fashion.

8.0 The Contractor shall provide a detailed invoice of all billable services to the EODGRU TWO POC within five (5) business days after completion of each Task Order.