

Performance Work Statement (PWS)
Naval Special Warfare Command
First Person View (FPV) Training
v. 20251030

1. BACKGROUND

- 1.1 Unmanned systems (UxS) operators require training in the fabrication and flying of First Person View (FPV) small, unmanned aircraft system (sUAS).

2. OBJECTIVES

- 2.1 The purpose of this requirement is to outline a training requirement and curriculum request to provide Initial Qualification Training (IQT) for UxS operators through commercial vendors.

3. SCOPE

- 3.1 The Contractor shall provide the personnel, management, materials, curriculum, and facilities necessary to provide a Course of Instruction (COI) for six (6) personnel on a biannual basis.

4. REQUIREMENTS

- 4.1 The Contractor shall provide a ten (10) day COI for up to six (6) personnel that encompass all requirements to source, assemble, troubleshoot, network, and operate FPV drones.
- 4.2 The 80 Hour COI will include the following:
 - 4.2.1 35 Hours of fundamental training in FPV development.
 - 4.2.1.1 Theory of FPV systems and development.
 - 4.2.1.2 Principles of system design and integration.
 - 4.2.1.3 Limitations and performance characteristics.
 - 4.2.1.4 Parts, circuitry, assembly, troubleshooting, and networking.
 - 4.2.1.5 Battery handling and storage.
 - 4.2.1.6 Safe and efficient operation of aircraft.
 - 4.2.1.7 Advanced flight performance and techniques.
 - 4.2.2 5 Hours of supervised build instruction.
 - 4.2.2.1 Build instruction shall include basic soldering and wiring techniques and procedures.
 - 4.2.2.2 Betaflight, Ardupilot, or similar FPV configuration software.
 - 4.2.2.3 Basic repair and maintenance of FPV systems.
 - 4.2.3 40 Hours of supervised flight instruction in varying controlled environments to include both indoors and outdoors flight, as well as flight simulation (no more than 4 hours of flight simulation).
 - 4.2.3.1 Flight instruction shall include briefing and debriefing.
 - 4.2.3.2 Flight instruction may be divided between simulator time and live flight.
 - 4.2.3.3 Maintenance must be readily available at the training site to ensure requisite flight hours are executed during the COI.
 - 4.2.3.4 COI shall culminate in a capstone/Culminating Exercise (CULEX) on the final day of instruction to combine all skills learned during the course.
- 4.3
 - 4.3.1.1 Contractor shall provide a Course Schedule/Training Plan NLT 3 days after contract award.
 - 4.3.1.2 All academic materials required for the classroom instruction.
 - 4.3.1.3 A student piloting kit and the required components to build 2x 5" FPV sUAS, as well as spare materials and consumables.
 - 4.3.1.4 Certificate of Completion
 - 4.4.1.1 Must have a classroom available with internet access, air conditioning, restrooms, and lounge.

5. DELIVERABLES

Description	Number	PWS Ref.	Delivery Date
Course Schedule/Training Plan	0001	4.2.4.1	3 days after contract award
Certificate of Completion	0002	4.2.4.4	5 days after course completion
Operational Risk Management	0003	9.1	Prior to initiation of course
Initial Emergency Action Plan	0004	9.4.1	Prior to initiation of course

6. CONTRACTOR MANPOWER REPORTING

6.1 N/A

7. CONTRACTOR TRAVEL

7.1 Contractor travel is not authorized for this requirement.

8. SECURITY

8.1 Contractor shall establish appropriate administrative, technical, and physical safeguards to protect all nonpublic Government data to ensure the confidentiality, integrity, and availability of Government data.

8.2 Contractor personnel do not require a security clearance.

9. SAFETY

9.1 Safety in all training events shall be paramount. The contractor shall perform Operational Risk Management (ORM) assessment prior to any flight event.

9.2 The Contractor shall comply with and maintain appropriate safety instructions and qualification standards in accordance with FAA regulations 14 CFR Parts 14, 61, 91, and 141.

9.3 Contractor Responsibility:

9.3.1 Nothing in this PWS, nor any Government action or failure to act in performance of the contract, shall relieve the contractor of 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.

9.4 Risk Controls

9.4.1 Risks are incurred during the conduct of this training. This training requires implementation of risk controls. The Contractor will ensure emergency medical services are available in the case of a mishap.

9.5 Mishaps

9.5.1 Safety and training-related problems or mishaps involving or observed by the Contractor shall be addressed immediately to the designated Range Safety Officer (RSO) or Range Officer in Charge (ROIC). A formal written report shall be prepared and submitted to the Safety Officer within 2 working days of the incident.

9.6 RSO or Controller Responsibility

9.6.1 The assigned RSO will ensure that a range assessment is performed for all non-DoD live fire ranges IAW COMNAVSPECWARCOMINST 3591.1D prior to first-time use. Close Quarter Combat (CQC) Ranges will require an assessment by a team consisting of an NSW RSO, NSW High Risk Training Safety Officer, and NSW CQC Range Manager. Assessments will be conducted in accordance with enclosure (3) of the above referenced instruction.

9.6.2 The supported Team will provide a Range Safety Officer (RSO) and Range Safety Officer in Charge (ROIC) per evolution on site who will conduct course monitoring to ensure the quality and safety of the exercise.

9.6.3 The exercise controller shall provide the Contractor with applicable safety doctrine as appropriate.

- 9.6.4 The exercise controller will have the authority to stop any training being provided when he or she determines that the safety of students, Contractor employees or other personnel are at risk.

10. GOVERNMENT FURNISHED PROPERTY/EQUIPMENT/INFORMATION (GFP/GFE/GFI)

10.1 N/A

11. QUALITY CONTROL

- 11.1 The Contractor shall implement and maintain a Quality Control Plan (QCP) to ensure work performed conforms to the scope of work and meets the requirements under this PWS. The QCP shall, at a minimum provide a method for performing inspections; identifying, correcting and preventing problems/defective service; addressing customer complaints, and improving the quality of services over the life of the contract.

12. QUALITY ASSURANCE

- 12.1 The Government reserves the right to perform inspections and surveillance to evaluate the Contractor's compliance to the contract terms and performance of the requirements in the PWS. The Government will make every effort to ensure that the surveillance methods used are conducted in an objective, fair, and consistent manner.
- 12.2 Contract Discrepancy Report (CDR). In the event of unsatisfactory contractor performance, the CO will issue a CDR that will explain the circumstances and findings concerning the incomplete or unsatisfactory service. The Contractor shall acknowledge receipt of the CDR and respond in writing as to how he/she shall correct the unacceptable performance and avoid a recurrence. The Government will review the Contractor's corrective action response to determine acceptability and will use any completed CDR as part of an overall evaluation of Contractor performance when determining present or future contractual actions.

13. APPLICABLE DOCUMENTS/REGULATIONS

Document	Web link (if applicable)
FAA System Safety Handbook	https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/risk_management/ss_handbook/media/Chap15_1200.pdf
14 CFR Part 91, 14 CFR Part 61, and 14 CFR Part 141	https://www.faa.gov/regulations_policies/faa_regulations/

14. PLACE OF PERFORMANCE

- 14.1 Training shall be conducted at the Contractor's facility.

15. PERIOD OF PERFORMANCE

Base Year: 15 January 2026 – 14 January 2027
Option Year 1: 15 January 2026 – 14 January 2027
Option Year 2: 15 January 2026 – 14 January 2027
Training dates will be coordinated 30 days in advance.