**SOLICITATION / CONTRACT / ORDER FOR COMMERCIAL PRODUCTS AND SERVICES**

**(In accordance with FAR 12 / 15; SF 1449 format — representative)**

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|---|---|
| **Solicitation No.** | FA8620-26-R-2500 |
| **Issued By** | US Air Force Life Cycle Management Center<br>ISR & SOF Directorate (AFLCMC/WINS)<br>2145 Monahan Way<br>Wright-Patterson AFB, OH 45433 |
| **Issue Date** | 18 March 2026 |
| **Offers Due (Block 8)** | 02 June 2026, 1500 EDT |
| **NAICS / Size Standard** | 336411 — Aircraft Manufacturing (size standard 1,500 employees) |
| **Set-Aside** | Full and Open Competition |
| **Anticipated Contract Type** | Firm-Fixed-Price (FFP) with a FFP Engineering & Manufacturing Development (EMD) CLIN and priced production options |

# ADVANCED SMALL UNMANNED AIRCRAFT SYSTEM (ASUAS) PROGRAM

## REQUEST FOR PROPOSAL (RFP)

**DISTRIBUTION STATEMENT D.** Distribution D: Distribution authorized to the Department of Defense and U.S. DoD contractors only; Critical Technology; 18 March 2026. Other requests for this document shall be referred to AFLCMC/WINS, 2145 Monahan Way, Wright-Patterson AFB, OH 45433.

This solicitation incorporates the Air Vehicle System Specification, **PRF ASUAS-AV-1001**, as **Section J, Attachment 3**.

# SECTION A / B — SOLICITATION FORM & SUPPLIES OR SERVICES AND PRICES

**Section A** comprises the SF 1449 cover (preceding page) and the schedule of the solicitation. The Contract Line Item Numbers (CLINs) below constitute **Section B**. Pricing shall be provided for all CLINs and options in accordance with Section L. (FFP = Firm-Fixed-Price; NSP = Not Separately Priced.)

**Section B — Schedule of Supplies / Services**

| CLIN | Supply / Service | Qty | Unit | Type |
|---|---|---|---|---|
| 0001 | EMD Air Vehicle System — design, develop, and qualify the ASUAS air vehicle and GCS per PRF ASUAS-AV-1001 | 1 | Lot | FFP |
| 0002 | EMD Qualification Test & Verification (ground and flight) per Section 4 of PRF ASUAS-AV-1001 | 1 | Lot | FFP |
| 0003 | System Safety, Reliability & Airworthiness data package (FMECA, FTA, RAM, airworthiness substantiation) | 1 | Lot | FFP |
| 0004 | Data (CDRLs per Exhibit A) | 1 | Lot | NSP |
| 1001 | Production Option I — Low-Rate Initial Production air vehicle systems | 100 | Each | FFP (Option) |
| 1002 | Production Option II — Full-Rate Production air vehicle systems | 500 | Each | FFP (Option) |
| 1003 | Contractor Logistics Support & spares (per option year) | 1 | Lot | FFP (Option) |

# SECTION C — STATEMENT OF OBJECTIVES / DESCRIPTION OF WORK

## Objective C.1

The Government seeks to acquire an Advanced Small Unmanned Aircraft System (ASUAS): a man-portable, single-operator, Group 1 electric vertical-takeoff-and-landing reconnaissance quadrotor and its Ground Control Station, to provide dismounted and base-defense forces with organic, over-the-next-hill electro-optical reconnaissance. The ASUAS replaces legacy Group 1 rotary- and fixed-wing squad assets.

## Scope C.2

The Contractor shall design, develop, integrate, qualify, and verify the ASUAS air vehicle system in accordance with the System Specification, PRF ASUAS-AV-1001 (Section J, Attachment 3). The effort includes system engineering, system safety and reliability analysis, airworthiness substantiation, ground and flight test, and delivery of the data of Exhibit A (CDRL).

## Government-Desired Outcomes C.3

(a) A qualified, airworthy, Blue-UAS-compliant ASUAS meeting the Threshold requirements of PRF ASUAS-AV-1001; (b) a verified reliability and system-safety case consistent with MIL-STD-882 and the reliability allocations of section 3.8; (c) an open, STANAG 4586-conformant architecture enabling payload and C2 interoperability and competitive sustainment; and (d) an affordable, producible design supporting the priced production options.

## Applicable Specification C.4

The performance and verification requirements are contained in PRF ASUAS-AV-1001 (this solicitation, Section J, Attachment 3). In the event of a conflict between this Statement of Objectives and PRF ASUAS-AV-1001, the System Specification takes precedence for technical requirements.

# SECTION J — LIST OF ATTACHMENTS

| Attachment | Title | Date |
|---|---|---|
| Attachment 1 | Contract Data Requirements List (Exhibit A / DD Form 1423) | 18 Mar 2026 |
| Attachment 2 | Statement of Objectives (see Section C) | 18 Mar 2026 |
| **Attachment 3** | **Air Vehicle System Specification, PRF ASUAS-AV-1001** (delivered separately) | 18 Mar 2026 |
| Attachment 4 | System Safety & Reliability Data Requirements (see APPENDIX B of Attachment 3) | 18 Mar 2026 |

Attachment 3 is the performance and verification baseline for this acquisition and is provided as the companion document **ASUAS_System_Specification_PRF-ASUAS-AV-1001.pdf**.

# SECTION L — INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

### General L.1

This is a best-value source selection conducted under FAR 15.3. Offerors shall submit proposals in the volumes below by the date and time in Block 8 of the SF 1449. Late proposals will be handled in accordance with FAR 52.215-1.

### Volume I — Technical L.2

Not to exceed 60 pages. The offeror shall describe its proposed ASUAS solution and demonstrate compliance with each Threshold requirement of PRF ASUAS-AV-1001, including a requirement-by-requirement compliance matrix cross-referencing the offeror's verification approach to Section 4 (VCRM). The offeror shall identify its proposed value for each Trade Space item (APPENDIX C).

### Volume II — Reliability, Safety & Airworthiness L.3

Not to exceed 30 pages. The offeror shall describe its reliability, maintainability, and system-safety program and provide a preliminary reliability allocation and FMECA/FTA summary substantiating sections 3.8, 3.11.2, and APPENDIX B, and its airworthiness certification approach per 3.11.3.

### Volume III — Cost / Price L.4

No page limit. Fully burdened pricing for all CLINs and options per Section B, with supporting basis of estimate.

### Volume IV — Contract Documentation L.5

Signed SF 1449, representations and certifications, and acknowledgment of amendments.

# SECTION M — EVALUATION FACTORS FOR AWARD

**Basis for Award** **M.1**

Award will be made to the responsible offeror whose proposal represents the best value to the Government, considering the factors below. The non-cost factors, when combined, are significantly more important than Cost/Price.

**Factor 1 — Technical Capability** **M.2**

Evaluated for the degree to which the proposed solution meets the Threshold requirements of PRF ASUAS-AV-1001 and the operational value of proposed Objective/Trade Space capabilities (endurance, operational radius, IR growth, rotor redundancy). Most important factor.

**Factor 2 — Reliability, Safety & Airworthiness** **M.3**

Evaluated for the soundness and realism of the reliability allocation, FMECA/FTA, system-safety approach (MIL-STD-882), and airworthiness certification plan, and their consistency with sections 3.8, 3.11, and APPENDIX B.

**Factor 3 — Open Architecture & Blue UAS Compliance** **M.4**

Evaluated for MOSA implementation, STANAG 4586 conformance, cybersecurity/RMF approach, and NDAA Sec. 848 / Blue UAS supply-chain compliance.

**Factor 4 — Cost / Price** **M.5**

Evaluated for reasonableness, realism, and completeness across the EMD CLINs and priced production options. Least important of the evaluation factors.

# EXHIBIT A — CONTRACT DATA REQUIREMENTS LIST (CDRL)

The following data items are required in accordance with DD Form 1423. Each references its Data Item Description (DID) and the paragraph(s) of PRF ASUAS-AV-1001 it supports.

**Exhibit A — CDRL Summary**

| CDRL | Data Item Title | DID | SS Ref | Source |
|---|---|---|---|---|
| A001 | System Engineering Management Plan | DI-MGMT-81024 | 3.10, 3.11 | Section C |
| A002 | System/Subsystem Specification (as-designed) | DI-IPSC-81431A | 3 (all) | PRF ASUAS-AV-1001 |
| A003 | Verification Cross Reference Matrix & Test Plan | DI-NDTI-80566 | 4 (all) | Section 4 |
| A004 | Failure Mode, Effects & Criticality Analysis (FMECA) | DI-SESS-81495 | 3.8, 3.11.2 | APPENDIX B |
| A005 | Reliability Program Plan & Predictions Report | DI-SESS-81613 | 3.8 | APPENDIX B |
| A006 | System Safety Hazard Analysis Report | DI-SAFT-80101B | 3.11.2 | MIL-STD-882E |
| A007 | Airworthiness Substantiation Report | DI-SAFT-81300 | 3.11.3 | MIL-HDBK-516C |
| A008 | Cybersecurity / RMF Body of Evidence | DI-MGMT-82160 | 3.10.2 | DoDI 8510.01 |
| A009 | Interface Control Document (STANAG 4586 / payload) | DI-SESS-81632 | 3.10.1 | STANAG 4586 |
| A010 | Test & Evaluation Report (ground & flight) | DI-NDTI-80809B | 4 (all) | Section 4 |