NORTH ATLANTIC TREATY ORGANISATION

HEADQUARTERS SUPREME ALLIED COMMANDER TRANSFORMATION

7857 BLANDY ROAD, SUITE 100

NORFOLK, VIRGINIA, 23551-2490

Invitation For International Bidding

IFIB-ACT-SACT-26-07

Amendment 2

CONTRACTOR SUPPORT

TO

Red force support for the Layered Counter Unmanned Aircraft Systems (UAS) Initiative

Table of contents:

BIDDING INSTRUCTIONS

General

a. This is a Firm Fixed Price Deliverables contract in accordance with the HQ SACT General Terms and Conditions;

b. HQ SACT General Terms and Conditions Dated 21 November 2025 are applicable to under Contractor Information.**WWW.ACT.NATO.INT/CONTRACTING** under Contractor Information.

c. Contract Award is contingent upon funding availability; Partial bidding is allowed.

Classification

d. This Invitation for International Bidding (IFIB) is a NATO UNCLASSIFIED document.

Definitions

e. The "Prospective Bidder" shall refer to the entity that has indicated its intention without commitment, to participate in this IFIB.

f. The term "Bidder" shall refer to the bidding entity that has completed a bid in response to this IFIB.

g. The term "Contractor" shall refer to the bidding entity to which the contract is awarded.

h. The term "Contracting Officer" designates the official who executes this IFIB on behalf of HQ SACT.

i. "Contracting Officer's Technical Representative" or "COTR" is the official who is appointed for the purpose of determining compliance of the successful bid, per the technical specifications.

j. The term "HQ SACT" shall refer to Headquarters Supreme Allied Commander Transformation.

k. The term "ACT" shall refer to Allied Command Transformation.

l. The term "NATO" shall refer to the North Atlantic Treaty Organization.

m. The term "days" as used in this IFIB shall, unless otherwise stated, be interpreted as meaning calendar days.

Eligibility

a. This IFIB is open to governmental or commercial entities:

b. Established in a North Atlantic Treaty Organization Alliance member nation;

c. Working in the required field of study and legally authorised to operate in the country and countries in which this contract is to be performed, at the time of bidding. Has performed the desired past performance including size, cost and scope, as described in this IFIB;

d. All proposed key personnel on this requirement must be citizens of a NATO member nation.

Duration of Contract

e. The contract(s) awarded shall be effective upon date of award anticipated to be on or about 30 January 2026.

f. Period of Performance is from Date of Award to 31 December 2026

Optional Work Package 1
Estimated Period of Operations: ~~23 Mar – 11 Apr~~ **12 – 24 Apr** 2026

Optional Work Package 2
Estimated Period of Operations: ~~1 –20 Jun~~ **4 – 16 May** 2026

Optional Work Package 3
Estimated Period of Operations: 10 – 29 Aug 2026

Optional Work Package 4
Estimated Period of Operations: 19 Oct – 7 Nov 2026

Optional Work Package 5
Estimated Period of Operations: 3-10 days, Apr – Nov 2026, exact dates/location are to be determined. Contractor will be given a minimum of 45-day notice before execution. WP 5 execution will not overlap with WP 1 – 4.

g. Optional work packages shall be exercised at the sole discretion of the HQ SACT Contracting Officer, based on satisfactory work performance, availability of funding, and evolving requirements.

Amendment or Cancellation

h. HQ SACT reserves the right to amend or delete any one or more of the terms, conditions or provisions of the IFIB prior to the date set for bid closing. A solicitation amendment or amendments shall announce such action.

i. HQ SACT reserves the right to cancel, at any time, this IFIB either partially or in its entirety. No legal liability on the part of HQ SACT shall be considered for recovery of costs in connection to bid preparation. All efforts undertaken by any bidder shall be done considering and accepting, that no costs shall be recovered from HQ SACT. If this IFIB is cancelled, any/all received bids shall be archived.

Bidder Clarifications

j. Prospective Bidders should seek clarification at their earliest convenience. Any explanation regarding the meaning or interpretation of this IFIB, terms, clause, provision or specifications, shall be requested in writing, to the Contracting email address hqsact.contracting@nato.int. Any clarifications must be received via email no later than **11 December 2025.**

k. In lieu of a bidder's conference, HQ SACT invites Bidders to submit technical and contractual questions not later than **11 December 2025.**

l. Information in response to all inquiries / requests for clarification from a prospective bidder shall be furnished to all prospective Bidders at the following link: http://www.act.nato.int/contracting as a Question and Answer addendum. All such addendums and any necessary solicitation amendments shall be incorporated into this IFIB. Verbal interpretations shall not be binding.

Bid Closing Date

Bids shall be received at HQ SACT, Purchasing and Contracting Office, no later than **12 January 2026, 0900 hours, Eastern Time, Norfolk, Virginia, USA.** No bids shall be accepted after this date and time. **No hard copy proposals will be accepted.** Please see Proposal Submission for more details.

Bid Validity

a. Bids shall remain valid for a period of one hundred and twenty days (120) from the applicable closing date set forth within this IFIB. HQ SACT reserves the right to request an extension of validity. Bidder shall be entitled to either grant or deny this extension of validity.

b. **HQ SACT will not accept supplier proposals prepared, in whole or in part, by means of generative artificial-intelligence (AI) tools, including and without limitation to chatbots, such as Chat Generative Pre-Trained Transformer (Chat GPT), or other language generating tools. HQ SACT reserves the right to screen applications to identify the use of such tools. All applications prepared, in whole or in part, by means of such generative or creative AI applications may be rejected without further consideration at HQ SACT's sole discretion, and HQ SACT reserves the right to take further steps in such cases as appropriate.**

Content of Proposal

The proposal shall consist of two (2) separate documents (Technical / Price) sent via e-mail as per the instructions. No hard copy proposals will be accepted. The E-mailed documents shall be received no later than **12 January 2026, 0900 hours,** Eastern Time, Norfolk, Virginia, USA.

The company description portion of its technical proposal shall be limited to 10 pages.

a. **Technical Proposal shall be a Signed PDF document and contain:**

1) A table of contents for the entire proposal (See Enclosure #1)

2) Compliance statement (See Enclosure #2);

3) Past performance (See Enclosure #3);

4) List of key personnel;

5) Provision of technical volumes;

6) Compliance matrix (See Annex B).

b. **Price Proposal shall be submitted using the excel workbook provided.** Bidders are encouraged to submit a second PDF proposal for pricing **if the excel workbook is provided as well.** (See Enclosure #4).

1) **Shall be in U.S. Dollar Currency.** Contractor may request payment post award in alternate currency based on agreed conversion rate.

2) Prices shall be on a **Firm Fixed Price Basis** and include any relevant discount schedule.

Proposal Submission

m. Proposals shall be separate e-mail submissions to:

Technical proposal: **hqsact.techproposal@nato.int**

Price proposal: **hqsact.priceproposal@nato.int**

n. E-mail subjects shall include the solicitation information along with **company name** (for example: IFIB -ACT-SACT-26-07 Tech_ABC Inc. / IFIB -ACT- SACT-26-07 Price_ABC Inc.). **Allow sufficient time in sending your submission should you encounter e-mail size challenges.**

o. No verbal bids or verbal modifications or telephonic bids shall be considered.

p. It is the ultimate responsibility of a prospective bidder prior to submission that all proposal submissions are reviewed to ensure they meet the technical, contractual and administrative specifications and that offers meet the limitations and expressed conditions.

Late Proposals

q. It is solely the bidder`s responsibility that every effort is made to ensure that the proposal reaches HQ SACT prior to the established closing date and time. No late bids shall be considered.

r. **A delay in an e-mail exchange due to server or size restrictions does not constitute a delay by NATO.**

Bid Withdrawal

A bidder may withdraw their bid up to the date and time specified for bid closing. Such a withdrawal must be completed in writing with attention to the HQ SACT Contracting Officer.

A bid withdraw will be annotated on the Contract Award Report.

Bid Evaluation

s. The evaluation of bids and determination as to the responsiveness and technical adequacy or technical compliance, of the products or services requested, shall be the responsibility of HQ SACT. Such determinations shall be consistent with the evaluation criteria specified in the IFIB. HQ SACT is not responsible for any content that is not clearly identified in any proposal package.

t. HQ SACT reserves the right to conduct pre-award discussions with proposed key personnel to accurately assess identified technical competencies. Discussions will be limited to scope of this IFIB and the evaluation criteria identified.

u. Proposals shall be evaluated and awarded taking into consideration of the following factors:

1) Successful administrative submission of bid packages as requested in the Bidding Instructions of this IFIB.

2) Successful determination of compliance (Compliant/non-compliant).

3) Technical factors / pricing factors rated the following:

Technical / Price = 70/30 (Best Value).

4) **The proposed daily operational price per UAS unit per component in the solicitation will be the basis of the Price Evaluation.** Any transportation costs to the locations (Work Package 1, Work Package 2, Work Package 3, Work Package 4 & Work Package 5) will not be a consideration for the financial evaluation.

5) Technical clarifications as determined may be conducted.

6) Acceptance of HQ SACT General Terms and Conditions.

Proposal Clarifications

During the entire evaluation process HQ SACT reserves the right to discuss any bid with the bidder to clarify what is offered and interpretation of language within the bid, to resolve in potential areas of concern.

Award

v. HQ SACT intends to award a firm fixed price **deliverables** contract(s) to the bidder(s) whose proposal(s) represents the Best Value offer to NATO. Partial awards are authorized. HQ SACT intends to award a minimum of one award per component but reserves the right to award multiple contracts per component based on the technical requirements and fair and reasonable pricing and technically compliant offers. Contractors may receive an award comprising of multiple components.

w. HQ SACT will collect information from references provided by the Bidder in regard to its past performance. Contractors must provide HQ SACT authorization to contact

references or such past performance shall not be considered.

x. HQ SACT reserves the right to negotiate minor deviations to the listed General Terms and Conditions to this IFIB.

y. After award, an initial purchase order with a nominal cost (i.e USD 1.00) will be issued to each awarded company. Once the precise location and exact dates of the optional work packages are identified, the company must confirm their availability of the proposed UAS for the optional work package within 7 days. Upon receiving confirmation, a modified purchase order will be sent to the company. This process will be followed for each subsequent work packages.

z. HQ SACT reserves the right to award to multiple companies within the same Component or sub-component, within each work package. Release of optional work packages shall remain within HQ SACT discretion, based on funds availability, continued operational need, and satisfactory performance of the contractor.

Lodging a complaint

Interested Parties should consult Appendix 1 of Procedure for NATO Competitive Procurement Policy (https://www.nato.int/content/dam/nato/webready/documents/finance/procurement-procedure_en.pdf) to learn more about applicable dispute resolution procedures.

For this IFIB, complaints shall be lodged by an interested party within 15 calendar days from the date when the interested party first knew, or ought to have known, about the circumstances giving rise to the grounds for the potential dispute, whichever is earlier. For complaints relating to the contract award decision, the deadline is 15 calendar days from the day following the date on which the contract award decision is communicated to the bidders.

Performance Evaluation and Reporting

aa. Contractor acknowledges and agrees that their performance shall be evaluated in accordance with the requirements set forth in the Statement of Work (SOW), including the Evaluation Criteria Matrices ("Matrix" or “Matrices”). All Annexes are incorporated by reference and considered integral parts of the SOW, having the same binding effect. Contractor's performance shall be assessed for each work package(s) in which it participates, against the criteria, requirements, and standards specified in the SOW and relevant Annex(es) and a performance report shall be generated.

All performance reports shall include the name of the Contractor. A final report may be compiled including Contractors' names, and may be shared within the NATO Alliance.

Communications

All communication related to this IFIB, between a prospective bidder and HQ SACT shall only be through the nominated HQ SACT Contracting Officer. Designated contracting staff shall assist the HQ SACT Contracting Officer in the administrative process. There shall be no contact with other HQ SACT personnel in regard to this IFIB. Such adherence shall ensure Fair and Open Competition with equal consideration and competitive footing to all interested parties.

-

Point of Contact:

- ⇨ hqsact.contracting@nato.int.

Enclosure 1: Proposal Content / Checklist

PROPOSAL CONTENT / CHECKLIST

Table of Contents

- ☐ Bidder's name, address, POC, Contact numbers, email address.
- ☐ Compliance Statement.(Enclosure 2)
- ☐ Past Performance (Enclosure 3).
- ☐ List of Key Personnel.
- ☐ Technical Proposal, including Compliance matrix (annex B).
- ☐ Price Proposal (Excel worksheet – Enclosure 4 - provides mandatory price proposal format).

Enclosure 2: Compliance Statement

COMPLIANCE STATEMENT TO SEALED BID

It is hereby stated that our company has read and understands all documentation issued as part of this IFIB. Our company proposal submitted in response to the referenced solicitation is fully compliant with the provisions of this IFIB and the intended contract with the following exception(s); such exception are considered non-substantial to the HQ SACT solicitation provisions issued.

Clause	Description of Minor Deviation.
----------	----------
----------	----------
----------	----------
----------	----------
----------	----------

(If applicable, add another page)

Company:_____

Signature: _____

Name &Title:_____ Date: _____

Company Bid Reference: _____

Bidder's proposal must be based on full compliance with the terms, conditions and requirements of the IFIB and all future clarifications and/or amendments. The bidder may offer variations in specific implementation and operational details provided that the functional and performance requirements are fully satisfied. In case of conflict between the compliance statement and the detailed evidence or explanation furnished, the detailed evidence/comments shall take precedence/priority for the actual determination of compliance. Minor or non-substantial deviations may be accepted. Substantial changes shall be considered non-responsive.

Enclosure 3: Past Performance Information Form

Company is required to submit minimum of two past performances within the last 5 years to meet the requirements of past performance enclosure. Past performance information must include a detailed description of the work performed relevant to the requirements outlined in the SOW. Generic or vague references to the contract awarded without clear connection to work performed will be disqualified.

PAST PERFORMANCE INFORMATION FORM

Awarded Company Name[1]:

Contract No[2]:

1. Customer Name:
2. Type of Contract (Firm Fixed Price, IDIQ, Requirements):
3. Title of Contract:
4. Description of Work Performance and Relevance to Current Acquisition (deliverables provided, services performed, summary of staff used, etc.):
5. Contract Award[3]:
    (a) Total Contract Value (Prime Vendor):
    (b) Total Contract Value to the Awarded Company:
6. Period of Performance:
7. Valid Point of Contact, Company Address, Email and Telephone No. of Reference:
8. Indicate Whether Awarded Company Acted as Prime or Sub-contractor:
9. Comments regarding compliance with contract terms and conditions:
10. Permission to contact customer for reference: Yes/ No[4]

Name/Signature of Authorized Bidding Company Official

_____ _____

(Name) (signature)

This Enclosure is designed to assist the respective company provide HQ SACT with all necessary documents/information required. For clarification, please refer to Bidding Instructions in part 1 of subject solicitation.This Enclosure is designed to assist the respective company provide HQ SACT with all necessary documents/information required. For clarification, please refer to bidding instructions in part 1 of subject solicitation.

[1] Legal name of the Bidder's Company which was awarded and performed in the referenced contract.
[2] Solicitation Number, Purchase Order, or Reference Number of contract.
[3] Bidder shall specify the total value of the overall contract and the value awarded specifically to the Awarded Company. These values may be the same if they are the prime vendor.
[4] If denied, this will not be considered a valid past performance.

Enclosure 4 – Mandatory Price Proposal Excel Spreadsheet

Pricing shall be submitted using the excel workbook provided. Bidders shall submit both excel and signed PDF formats.

Proposals not submitted in the proper format will not be considered.

Formulas have been added for convenience; however, it is the company's responsibility to ensure that the formulas are correctly reflecting your expected bid proposal value.

Instructions extracted from Mandatory Price Proposal Excel Spreadsheet

Instructions

*Bidders are required to complete and submit this document as submission of their financial offer.
*Bidders declare and agree that they have proposed the firm fixed binding unit rates per the instructions given below.
*All the unit rates and prices shall be fully inclusive of any materials, manhour, works, tooling, maintenance, equipment, and any other cost elements (such as overheads, profits, contingencies, and insurances needed) which may be needed to supply the required Red force support for the Layered Counter Unmanned Aircraft Systems (UAS) Initiative in accordance with: IFIB-ACT-SACT-26-07 including Bidding instruction and SOW
*Bidders are required to fill in and sign PREAMBLE TAB and complete the following TABS 1,2,3,4,5 (as applicable) as a submission of their financial offer
*This spreadsheet is provided for ease/consistency of price submission only. It is the sole responsibility of the Bidder to ensure that the formulas accurately reflect the proper total proposed value.
*It is the Bidders sole responsibility to ensure that all costs have been duly and substantially considered and included under their price breakdown. HQ SACT cannot be responsible for any omission on the part of the Bidder.
* The Bidder shall fill in the yellow highlighted cells only
* The prices shall remain firm and valid for the entire period of performance of the contract, from date of award to 31 Dec 2026.

ANNEX A: STATEMENT OF WORK (SOW)

Red Force Support for Unmanned Aircraft Systems (UAS) Experimentation

Introduction

Headquarters Supreme Allied Commander Transformation (HQ SACT) is issuing this IFIB to engage with Industry on Unmanned Aircraft Systems (UAS) capabilities. The intent is to assemble UAS and Counter-UAS (C-UAS) capabilities, to support the LCI-X objectives and to augment existing NATO capabilities through testing and operational experimentation. HQ SACT, in coordination with national and exercise POCs, will provide the testing and experimentation environment, aligned with national and NATO training opportunities. Industry will provide UAS capabilities to act as "red air" to provide the threat picture in support of national/NATO C-UAS training objectives. Industry provided UAS should include class I and class II UAS and class I/class II attritable target UAS to serve as red air/opposing forces. Industry will provide full services, including but not limited to the UAS logistical support, operation, maintenance and transportation requirements for these systems. Operations will be conducted in accordance with host nation regulations in the designated ranges and training areas.

Background

Massed, low-cost drone incursions repeatedly strain NATO's defensive posture. The Alliance must invest in solutions to ensure a balanced cost-per-shot ratio, avoiding disproportionate expenditure against inexpensive, scalable threats. The low layer remains the most urgent and vulnerable gap; mitigating it requires field-ready capabilities that can detect incoming threats early to protect the Eastern flank and inform the long-term modernization of NATO's integrated defence architecture.

As a priority, NATO is seeking industry solutions that can be used to provide a realistic opposing force evaluate and train with new and existing C-UAS systems.

Scope

UAS as a Service in this SOW consists of one or more components (see below) that can be fulfilled by the Contractor(s). Bidding on multiple components is encouraged to reduce integration efforts. All of the components in requisite quantities must be available at the start of the period of operations at the specified locations.

Components that operate without an onboard crew (uncrewed systems) in the air domain. The contractor can bid for one or more components in its bidding, with each component having the minimum of systems made available at the start of the operations period at the specified locations as defined in the schedule of delivery (see below).

UAS Fleet Components: All UAS components and subcomponents are intended to mimic or replicate known threats. UAS components are described below, referenced by extant NATO UAS classifications.

i. Component 1: Attritable Class I UAS.
ii. Component 2: Attritable Class II UAS.
iii. Component 3: Non-Attritable Class I UAS.
iv. Component 4: Non-Attritable Class II UAS.

All UAS components shall comply with the general, essential and desirable UAS requirements, and enabling service requirements outlined below.

General UAS requirements:

The UAS components shall be designed to operate in multiple environments, in weather conditions in the identified locations within the NATO Nations boundaries. The UAS shall be operated in a fully remote-control way. One ground control station must be able to control multiple UAS for Class I components and this is preferred for representative Class II components in order to reduce the number of operators.

i. The UAS shall have secure and reliable remote communication systems for any data that is transmitted. Commercially available encryption is allowed.
ii. The UAS shall be able to provide ~~camera feeds by day and night and~~ telemetry data~~. This video feed might be provided~~ through a centralized solution and must be made available to NATO Communication Information System (CIS).
iii. Telemetry data should be provided in the (draft) STANAG 4817 format. Example messages are available in annex H. Technical details on the interfaces can be provided by contacting STANAG 4817 representatives at stanag4817-modelling@devops.ncia.nato.int
iv. Telemetry data shall consist of (at least) latitude/longitude, altitude, speed, heading and signal to noise ratio for the command data link and the camera data link. Telemetry data will be provided to NATO CIS at a rate of at least 0.5 Hz.
v. Telemetry data must be recorded and made available upon request in order to support after action review and test and evaluation analysis.
vi. The UAS is constructed in accordance with industry standards and relevant technical specifications, including safety standard features, including but not limited to collision avoidance systems, return-to-home functionality, geofencing capabilities, and fail-safe mechanisms to identify and mitigate potential hazards.
vii. The UAS must be operated in accordance with industry best practices, adhering to safety protocols and complying with applicable regulations, registration, and licensing requirements, restrictions and operational guidelines.
viii. The UAS shall be equipped with GPS or INS capabilities to continuously determine the position of the system.

Essential and desirable UAS requirements:

Component 1: Attritable Class I UAS

Three NATO Class 1 subcomponents, aligned to operational threat taxonomies observed across recent theatres are to used.

Subcomponent 1.1: Attritable Small Multi Rotor UAS - Essential Requirements.

i. The systems need to fall within the NATO Class I classification for UAS, but weigh between 230 grams and 2 kg
ii. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item
iii. Typical endurance time > 15 min.
iv. The UAV shall be capable of flight up to 650 feet AGL and down to 4 feet AGL.
v. Autonomous return-to-home or ground-controlled recovery capability in case of loss of communication, energy shortage or other problems
vi. UAS needs to be ready for flight from a cold start in less than 30 min (including compass, barometer and other sensors calibration, acquiring GPS fix.
vii. Sense-and-avoid or ~~collision avoidance~~ obstacle/ collision avoidance logic onboard the system.

Subcomponent 1.1: Attritable Small Multi Rotor UAS Desirable Requirements

v. Minimum range > 3.0 miles (or as specified by the NATO airspace and mission).
vi. ~~Sense-and-avoid or collision-avoidance~~
vii. Data mesh capabilities between the UAS to decrease EM signature and congestion of the EM spectrum.

Subcomponent 1.2 : Attritable Multi Rotor, Single Rotor or Fixed Wing UAS Essential Requirements.

viii. The systems need to fall within the NATO Class I classification for UAS, but weigh between 2.1 kg and 10 kg.
ix. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item
x. Typical endurance time > 30 min.
xi. The UAV shall be capable of flight up to 850 feet AGL and down to 8 feet AGL.
xii. Autonomous return-to-home or ground-controlled recovery capability in case of loss of communication, energy shortage or other problems
xiii. UAS needs to be ready for flight from a cold start in less than 30 min (including compass, barometer and other sensors calibration, acquiring GPS fix.
xiv. Sense-and-avoid or obstacle/ collision avoidance logic onboard the system

Subcomponent 1.2 : Attritable Multi Rotor, Single Rotor or Fixed Wing UAS Desirable Requirements

i. Minimum range > 7.0 miles (or as specified by the NATO airspace and mission).
viii. ~~Sense-and-avoid or collision-avoidance logic onboard the system.~~
ix. Data mesh capabilities between the UAS to decrease EM signature and congestion of the EM spectrum.

Subcomponent 1.3 : Attritable Single Rotor, Fixed Wing or Fixed Wing Hybrid VTOL Essential Requirements.

i. The systems need to fall within the NATO Class I classification for UAS, but weigh between 10.1 kg and 25 kg.
ii. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item
iii. Typical endurance time > 45 min,
iv. The UAV shall be capable of flight up to 1000 feet AGL and down to 20 feet AGL.
v. Autonomous return-to-home or ground-controlled recovery capability in case of loss of communication, energy shortage or other problems
vi. UAS needs to be ready for flight from a cold start in less than 30 min (including compass, barometer and other sensors calibration, acquiring GPS fix.
vii. Sense-and-avoid or ~~collision-avoidance~~ obstacle/ collision avoidance logic onboard the system.

Subcomponent 1.3 : Attritable Single Rotor, Fixed Wing or Fixed Wing Hybrid VTOL Desirable Requirements.

v. Minimum range > 9.0 miles (or as specified by the NATO airspace and mission).
~~vi. Sense-and-avoid or collision-avoidance logic onboard the system.~~
vii. Data mesh capabilities between the UAS to decrease EM signature and congestion of the EM spectrum

Component 2 Attritable Class II UAS Essential Requirements

i. The UAS systems need to be a minimum of 6 feet in length and with a wingspan no less than 6 feet. The UAS does not have to meet the NATO Class II classification minimum weight threshold.
ii. The UAS will operate at speeds between 70 mph and 150 mph.

iii. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item.
iv. UAS shall conduct navigation via global navigation satellite systems (GNSS) or an equivalent system that provides positional and altitude information.
v. Typical loiter time > 2 hours, minimum range of 100 miles (or as specified by the NATO airspace and mission).
vi. The UAV shall fly at enroute altitudes of at least 1500 feet AGL and not over 5000 feet AGL.
vii. Autonomous return-to-home or ground-controlled recovery capability in case of deviation from programmed route, energy shortage or other problems.
viii. The UAS shall be equipped with tracking systems that are independent from the main power source to facilitate recovery in the event of loss or unauthorized use.
ix. UAS needs to be ready for flight from a cold start in less than 60 min (including fuelling, compass, barometer and other sensors calibration, acquiring GPS fix.
x. Sense-and-avoid or ~~collision avoidance~~ obstacle/ collision avoidance logic onboard the system.

Component 2: Attritable Class II UAS Desirable Requirements

vi. ADS-B transponder on the aircraft.
~~vii. Sense-and-avoid or collision avoidance logic onboard the system.~~
viii. Data mesh capabilities between the UAS to decrease EM signature.
ix. Designs that have a Reduced Radar Cross Section (RCS) and/or limited electro-magnetic and/or optical/infra read signature.

Component 3: Non-attritable Class I UAS

Three NATO Class 1 subcomponents, aligned to operational threat taxonomies observed across recent theatres are to used.

Subcomponent 3.1 : Non-attritable Small Multi Rotor UAS - Essential Requirements.

i. The systems need to fall within the NATO Class I classification for UAS, but weigh between 230 grams and 2 kg.
ii. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item
iii. Typical endurance time > 15 min.
iv. The UAV shall be capable of flight up to 650 feet AGL and down to 4 feet AGL.
v. Autonomous return-to-home or ground-controlled recovery capability in case of loss of communication, energy shortage or other problems
vi. UAS needs to be ready for flight from a cold start in less than 30 min (including compass, barometer and other sensors calibration, acquiring GPS fix.
vii. Sense-and-avoid or obstacle/ collision avoidance logic onboard the system

Subcomponent 3.1 : Non-attritable Small Multi Rotor UAS Desirable Requirements

x. Minimum range > 3.0 miles (or as specified by the NATO airspace and mission).
~~xi. Sense-and-avoid or collision avoidance logic onboard the system.~~
xii. Data mesh capabilities between the UAS to decrease EM signature and congestion of the EM spectrum.

Subcomponent 3.2 : Non-attritable Multi Rotor, Single Rotor or Fixed Wing UAS Essential Requirements.

i. The systems need to fall within the NATO Class I classification for UAS, but weigh between 2.1 kg and 10 kg.
ii. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item

iii. Typical endurance time > 30 min,
iv. The UAV shall be capable of flight up to 850 feet AGL and down to 8 feet AGL.
v. Autonomous return-to-home or ground-controlled recovery capability in case of loss of communication, energy shortage or other problems
vi. UAS needs to be ready for flight from a cold start in less than 30 min (including compass, barometer and other sensors calibration, acquiring GPS fix.
vii. Sense-and-avoid or ~~collision-avoidance~~ obstacle/ collision avoidance logic onboard the system.

Subcomponent 3.2 : Non-attritable Multi Rotor, Single Rotor or Fixed Wing UAS Desirable Requirements

xiii. Minimum range > 7.0 miles (or as specified by the NATO airspace and mission).
~~xiv. Sense-and-avoid or collision-avoidance logic onboard the system.~~
xv. Data mesh capabilities between the UAS to decrease EM signature and congestion of the EM spectrum.

Subcomponent 3.3 : Non-attritable Single Rotor, Fixed Wing or Fixed Wing Hybrid VTOL Essential Requirements.

i. The systems need to fall within the NATO Class I classification for UAS, but weigh between 10.1 kg and 25 kg.
ii. UAS is designed for a lifecycle cost that allows it to be considered as a consumable item
iii. Typical endurance time > 45 min,
iv. The UAV shall be capable of flight up to 1000 feet AGL and down to 20 feet AGL.
v. Autonomous return-to-home or ground-controlled recovery capability in case of loss of communication, energy shortage or other problems
vi. UAS needs to be ready for flight from a cold start in less than 30 min (including compass, barometer and other sensors calibration, acquiring GPS fix.
vii. Sense-and-avoid or ~~collision-avoidance~~ obstacle/ collision avoidance logic onboard the system.

Subcomponent 3.3 : Non-attritable Single Rotor, Fixed Wing or Fixed Wing Hybrid VTOL Desirable Requirements.

i. Minimum range > 9.0 miles (or as specified by the NATO airspace and mission).
~~viii. Sense-and-avoid or collision-avoidance logic onboard the system.~~
ix. Data mesh capabilities between the UAS to decrease EM signature and congestion of the EM spectrum

Component 4: Non-attritable Class II UAS Essential Requirements

i. The UAS systems need to be a minimum of 6 feet in length and with a wingspan of 6.6 feet. The UAS does not have to meet the NATO Class II classification minimum weight threshold.
ii. The UAS will operate at speeds between 70 mph and 150 mph..
iii. UAS shall conduct navigation via global navigation satellite systems (GNSS) or an equivalent system that provides positional and altitude information.
iv. Typical loiter time > 2 hours, minimum range of 100 miles (or as specified by the NATO airspace and mission).
v. The UAV shall fly at enroute altitudes of at least 1500 feet AGL and not over 5000 feet AGL.
vi. Autonomous return-to-home or ground-controlled recovery capability in case of deviation from programmed route, energy shortage or other problems
vii. The UAS shall be equipped with tracking systems that are independent from the main power source to facilitate recovery in the event of loss or unauthorized use.
viii. UAS needs to be ready for flight from a cold start in less than 60 min (including fuelling,

compass, barometer and other sensors calibration, acquiring GPS fix.

ix. Sense-and-avoid or ~~collision-avoidance~~ obstacle/ collision avoidance logic onboard the system.

Component 4: Non-attritable Class II UAS Desirable Requirements

vi. ADS-B transponder on the aircraft.
vii. ~~Sense-and-avoid or collision-avoidance logic onboard the system~~.
viii. Data mesh capabilities between the UAS to decrease EM signature.
ix. On-board processing of video with automated classification of objects.
x. Designs that have a Reduced Radar Cross Section (RCS) and/or limited electro-magnetic and/or optical/infra read signature.

Enabling service requirements for contractor UAS:

a. Operators must maintain permanent, positive control of UAS for the entirety of the period of operations.
b. On site technical support staff in order to establish and maintain data links to NATO CIS.
c. Personnel to liaise with the operational Task Force. The liaison activities will start no later than 10 days prior to the designated operation periods to prepare the deployment and use of the UAS. Designated personnel holding security clearances is desirable.
d. Contractor's designated liaison must report incidents to exercise control and the COTR within thirty (30) minutes of the occurrence or discovery of incident, whichever is sooner. An incident is any unauthorized or unplanned occurrence associated with the operation of an unmanned system that affects, or has the potential to affect, safety, security, or operations, including but not limited to accidents resulting in injury or death; property damage of any kind; near-miss events that could have resulted in injury, death, or property damage; equipment malfunctions, or failures; security breaches or unauthorized access; identified departure from allocated airspace; loss of communications; environmental releases or spills; violations of safety protocols or procedures; any other occurrence that disrupts or could potentially disrupt the operation(s); or any other event reasonably deemed reportable to exercise control or the COTR. An incident is any unauthorized or unplanned occurrence associated with the operation of an unmanned system that affects, or has the potential to affect, safety, security, or operations, including but not limited to accidents resulting in injury or death; property damage of any kind; near-miss events that could have resulted in injury, death, or property damage; equipment malfunctions, or failures; security breaches or unauthorized access; identified departure from exercise area; loss of communications in accordance with range procedures; environmental releases or spills; violations of safety protocols or procedures; any other occurrence that disrupts or could potentially disrupt the operation(s); or any other event reasonably deemed reportable to exercise control or the COTR. Failure to report an Incident as prescribed shall constitute a material breach of the Contract and may result in termination of the contract and/or other remedies available under applicable law.

Initial notification shall be made verbally to exercise control and the COTR on site or at the designated emergency contact numbers provided in writing prior to the operation(s). If neither are possible, notification shall be made by the most expedient alternative means possible. Thereafter, Contractor personnel shall submit a written Incident Report to exercise control and the COTR within twenty-four (24) hours of Incident, which shall include: date, time, precise location of incident; names and contact information of all persons involved or witnessing the incident; detailed description; any injuries/deaths or damages resulting from the incident; actions taken in response to the incident; preliminary assessment of the cause, if known; and recommendations for preventing similar incidents.

Contractor personnel shall fully cooperate with any investigation regarding any reported Incidents, including but not limited to, providing additional information; participating in interviews; preserving evidence related to the Incident.

e. Contractor to provide personnel to sustain the UAS, including refueling, battery swaps and on-site maintenance and any other supporting activity. The contractor is fully responsible for the maintenance of its UAS.
f. The contractor shall provide personnel to enable launch of massed UAS as defined in work packages with a minimum of 4 hours notice.
g. Transportation, customs, including compliance, documentation, duties, taxes, fees, expenses, and the like, associated with the import or export, and all other enabling activities to deliver, deploy and sustain the UAS to the operation zone.
h. Full recovery and/or disposal responsibility of its UAS.
i. IT infrastructure to securely provide and record data streams (video, location, telemetry, additional available sensor data) to NATO CIS. Data can be collected at and delivered from ground stations. The contractor is responsible for internet connectivity, with redundant internet links.
j. Insurance and Indemnification: The Contractor shall be responsible for ensuring that the UAS and associated operations and activities are properly insured to operate in the identified location, to include personal injury, physical damage or liability insurances related to any claims, and with coverages appropriate for the intended operation and use. Within five (5) business days of award of each work package, Contractor shall provide a current certificate of insurance, issued by its insurance company or broker as evidence of coverage, valid for the required service periods while providing its Fleet as a Service capability. **Failure to provide proof of insurance may result in the contract being rescinded by HQ SACT.**

Further, the Contractor shall indemnify and hold harmless NATO HQ SACT from any and all claims, liabilities whatsoever, losses, damages, expenses, costs, fees, and fines arising out of or in connection with their respective performance, including but not limited to personal injury, property damages, environmental contamination, or any responsibilities arising under applicable laws, consequential loss, regardless of fault, except in cases of gross negligence or willful misconduct by NATO HQ SACT.

Type of Contract and Period of Performance

See Bidding Instructions above

Tasking and Deliverables

The contractor will perform the required services to provide UAS as a Service capability to HQ SACT. Those services are fully inclusive, including but not limited to provision of the components/sub-components, the enabling services, and personnel.

Schedule of Delivery and component requirements (estimated)
All work packages are optional.

Schedule for Work Package 1: See Table X for quantities and attrition rate requirements.

Period of Performance

Date	Deliverable
Phase 1: Integration & Deployment	
~~23 – 29 Mar~~ **12 – 16 Apr** 2026	UAS are ready for use at the location of our choosing in ~~NATO Nations outside North America~~ **Romania**
	Operators & liaison elements are present and ready for integration
Phase 2: Period of Operation	
~~30 Mar – 10~~ **17 – 24 Apr** 2026	UAS are operational, the data streams are being sent to designated HQ SACT CIS and the controllers are ready to operate the UAS.
	Liaison elements are integrated with the exercise control and have communication means with their operators. Incident feedback loops have been tested.
Phase 3: Closing	
~~11~~ **25** Apr 2026	Systems are recovered

Schedule for Work Package 2: See Table X for quantities and attrition rate requirements.

Period of Performance

Date	Deliverable
Phase 1 - Integration & Deployment	
~~01 Jun – 8 Jun~~ **4 – 8 May** 2026	UAS are ready for use at the location of our choosing in ~~NATO Nations outside North America~~ **Latvia**.
	Operators & liaison elements are present and ready for integration
Phase 2 – Period of Operation	
~~08 Jun – 19 Jun~~ **9 – 15 May** 2026	UAS are operational, the data streams are being sent to designated HQ SACT CIS and the controllers are ready to operate the UAS.
	Liaison elements are integrated with the exercise control and have communication means with their operators. Incident feedback loops have been tested.
Phase 3: Closing	
~~20 Jun~~ **16 May** 2026	Systems are recovered

Schedule for Work Package 3: See Table X for quantities and attrition rate requirements.

Period of Performance

Date	Deliverable
Phase 1 - Integration & Deployment	
10 – 16 Aug 2026	UAS are ready for use at the location of our choosing in ~~North-Eastern Europe~~ **Latvia.**
	Operators & liaison elements are present and ready for integration
Phase 2 – Period of Operation	
17 – 28 Aug 2026	UAS are operational, the data streams are being sent to designated HQ SACT CIS and the controllers are ready to operate the UAS.
	Liaison elements are integrated with the exercise control and have communication means with their operators. Incident feedback loops have been tested.
Phase 3: Closing	
29 Aug 2026	Systems are recovered

Schedule for Work Package 4: See Table X for quantities and attrition rate requirements.

Period of Performance

Date	Deliverable
Phase 1 - Integration & Deployment	
19 – 25 Oct 2026	UAS are ready for use at the location of our choosing in ~~North-Eastern Europe~~. **Latvia.**
	Operators & liaison elements are present and ready for integration
Phase 2 – Period of Operation	
26 Oct – 6 Nov 2026	UAS are operational, the data streams are being sent to designated HQ SACT CIS and the controllers are ready to operate the UAS.
	Liaison elements are integrated with the exercise control and have communication means with their operators. Incident feedback loops have been tested.
Phase 3: Closing	
7 Nov 2026	Systems are recovered

Schedule for Work Package 5: Components and operations dates to be determined by event. Specifics to be finalized and coordinated with Bidder no later than ~~60~~ 45 days prior to the start of operations. See Table X for quantities and attrition rate requirements.

Period of Performance

Date	Deliverable
Phase 1 - Integration & Deployment	
3 to 5 days	UAS are ready for use at the location of our choosing in military operating zones in any of the 32 NATO Nations.
	Operators & liaison elements are present and ready for integration
Phase 2 – Period of Operation	
3 to 5 days	UAS are operational, the data streams are being sent to designated HQ SACT CIS and the controllers are ready to operate the UAS.
	Liaison elements are integrated with the exercise control and have communication means with their operators. Incident feedback loops have been tested.
Phase 3: Closing	
1 day following end of operations	Systems are recovered within 24 hours of operations termination.

Table X. (estimated)

Table X defines the minimum and desired number of UAVs by work package **AND** fly windows. WPs are tentatively scheduled to have 2 –3 fly windows per day. During each of these fly windows the minimum number of UAVs must be airborne simultaneously to meet objectives. For example; If WP1 had 5 operating days of two flight windows, HQ SACT expects 185 drones to fly simultaneously in two iterations (fly windows) per day.

WP	Total UAS Desired	Attrition Rate	Component							
			C1: Attritable Class I		C2: Attritable Class II		C3: Non-attritable Class I		C4: Non-attritable Class II	
			Total Minimum UAS required	Desired UAS	Total Minimum UAS required	Desired UAS	Total Minimum UAS required	Desired UAS	Total Minimum UAS required	Desired UAS
WP 1	185	0%	NA	50	NA	10	50	100	10	25
WP 2	185	5%	NA	50	NA	10	50	100	10	25
WP 3	550	10%	250	500	25	50	NA	NA	NA	NA
WP 4	1000	25%	500	900	50	100	NA	NA	NA	NA
WP 5	340	TBD	50	150	10	20	50	150	10	20

Acceptance Criteria

Contracting Officer's Technical Representative (COTR) will confirm the acceptance of the service delivery in accordance with the requirements for the UAS components and enabling services after the integration period concludes. If it is determined that the service is not acceptable because of deficiencies , the Contractor will have 2 days to remedy those deficiencies.

Failure by Contractor to meet the performance standards specified in the SOW and applicable Annex(es) may constitute grounds for remedial action, including but not limited to withholding or reduction of payments, termination of contract(s), ineligibility for work packages 2-5, adverse

performance reports, and similar actions.

Payment for services rendered are subject to companies satisfactorily fulfilling the requirements of this SOW (including but not limited to operational performance, safety standards, telemetry expectation, etc).

HQ SACT liaison, coordination and communication: "HQ SACT LCI-X Team"

A HQ SACT COTR will be designated for the Contract(s). The COTR shall provide direction, guidance, and support information as needed for all technical and content areas of the SOW.
The COTR shall:

- **a.** Resolve outstanding disputes, problems, deficiencies, and/or questions on the technical aspects of the SOW.
- **b.** Review (and approve) all Contractor duties for completeness and accuracy.
- **c.** Review the Contractor's work at a minimum of monthly, or more often if needed.

Any contractual, commercial, legal, or financial matter shall be addressed to the Contracting Officer who will issue the award and subsequent contract(s).

Only a warranted NATO Contracting Officer can authorize a financial commitment.

Place of Performance

The place of performance for Work Package 1 is ~~NATO Nations outside North America.~~ **Romania.**
The place of performance for Work Package 2 is ~~NATO Nations outside North America.~~ **Latvia.**
The place of performance for Work Package 3 is ~~North-Eastern Europe.~~ **Latvia.**
The place of performance for Work Package 4 is ~~North-Eastern Europe.~~ **Latvia.**
The place of performance for Work Package 5 is military operating zones in any of the 32 NATO Nations.

More details be provided after the contract award to allow sufficient time for transportation, customs, and other logistic support activities.

Furnished Materials and Services

- **a. NATO Supplied:** No
- **b. Contractor Supplied:** UAS components and enabling services

Security clearance

Contractors' personnel do not require security clearances. Contractors' Designated liaison personnel holding security clearances is desirable. Individuals will be screened in accordance with national and local procedures on an event by event basis, as required.

Security Consideration for the Deliverables

All work supporting the development of the narrative will be NATO non-classified. The deliverables will not contain any sensitive information, will not be classified and, therefore, will not bear any classification markings.

ANNEX B: Grading Matrices and Compliance matrix (compliance matrix provided in excel format)

Best Value Grading Matrices to STATEMENT OF WORK

Contractor technical proposal will be assessed based on criteria mentioned in the following table. HQ SACT reserves the right to conduct technical discussions with contractor. Ultimately, companies shall clearly demonstrate by providing unequivocal explanation to where and how it meets the criteria set forth in this solicitation. The Contractor must demonstrate their experience and expertise in the subject matter, in which will be graded in accordance with the Grading Matrix.

A score of "0" or "NOT COMPLIANT" in any of the criteria categories will result in the bidder's proposal as being "Technically Non-Compliant" unless otherwise specified.

General compliance criteria: APPLICABLE TO ALL COMPONENTS

SER	ITEM	COMPLIANT or NOT COMPLIANT
1	Contractor is headquartered in a NATO nation and all personnel supporting this contract (including subcontractor) must be a citizen of a NATO member nation. If individuals have dual citizenship that includes a non-NATO nation, their citizenship must be provided.	
2	Contractor is to provide a minimum of two past performance citations (for work within the past five years) to show that it has successfully completed work that is similar to or directly traceable to the requirements outlined in this SOW.	
3	Contractor shall provide at least one component of the UAS with the minimal quantities defined in the component definition.	
4	Contractor is insured to operate UAS.	
5	Contractor shall provide experienced operators to remotely operate the UAS, so that every platform remains under permanent human control.	
6	Contractor shall provide personnel to liaise with the operational Task Force (liaison role).	
7	Contractor shall provide personnel to report incidents and/or mishaps. This role can be combined with the liaison role.	
8	Contractor shall provide an IT infrastructure to securely provide and record data streams (i.e. video, location, telemetry, additional available sensor data) to NATO CIS. The contractor shall provide its own internet connectivity, with redundant internet links.	
9	Contractor shall provide personnel and resources to sustain its UAS, including launching, refueling, battery swaps and on-site maintenance and other enabling activities such as maintaining data links to NATO CIS.	
10	Contractor shall provide transportation, finalize customs protocols, any insurances, and any other enabling activities necessary to deliver the	

	UAS to and from the operation zone.	
11	Contractor shall provide secure means of communication of data from the UAS to a NATO CIS.	
12	Contractor shall provide UAS that have sense-and-avoid or obstacle/ collision avoidance logic onboard the system, and additional safety protocols to minimize risks to the platform and its surroundings in case of loss of communication. i.	
13	The UAS shall meet Host Nation and local regulation applicable environmental regulatory standards to include emissions, noise generated, waste discharge, as required by in the operating zone.	
14	Contractor shall recover any damaged components and safely dispose of them (when/if applicable in accordance with the Host Nation rules and regulations for access).	
15	General UAS requirements for all components have been met.	
16	Identified essential requirements for each proposed component has been met.	

ANNEX C: EVALUATION CRITERIA FOR COMPONENT 1: Attritable Class I UAS

A score of "0" in any of the criteria categories will result in the bidder's proposal as being "Technically Non-Compliant" unless otherwise specified.

SERIAL #	Criteria	Maximum point	Range
1	Contractor Level of Experience with UAS with Military / National / Governmental Practice	12	0 points = no experience or familiarity 1 - 5 points = any practical experience less than 5 years 6 - 12 points = Military / National / Governmental Practical experience 5 years or more
2	The number of UAS per component that the Contractor can provide and operate simultaneously	20	0 points: less than 50 UAS per WP (Work Package) 2 points: 50 or more UAS per WP 4 points = more than 100 UAS per WP 8 points = more than 250 UAS per WP 12 points = more than 400 UAS per WP 16 points = more than 500 UAS per WP 20 points = more than 900 UAS per WP
3	Contractors availability to participate in multiple Work Packages	8	Company available to participate in 1 work package = 2 points 4 points = 2 work packages 6 points = 3 work packages 8 points = 4 or more work packages
4	Flight/Loiter time	10	0 points = less than 10 minutes 3 points: 10-30 minutes 6 points = 31 – 60 minutes 7 points = 61-75 minutes 10 points = more than 75 minutes

5	Operational range	10	For Subcomponent 1.1: 1 point = less than 1 mile 3 points = more than 3 miles and less than 5 miles 6 points = more than 5 miles and less than 10 miles 10 points = more than 10 miles Subcomponent 1.2 1 point = less than 3 miles 3 points = more than 7 miles and less than 10 miles 6 points = more than 10 miles and less than 20 miles 10 points = more than 20 miles Subcomponent 1.3 1 point = less than **5** miles 3 points = more than 9 miles and less than 13 miles 6 points = more than 5 miles and less than 25 miles 10 points = more than 25 miles
6	Maximum Operating altitude maintaining 50% of declared operating range stated at Serial # 5.	10	0 points = less than 300 feet AGL 4 points = more than 300 feet to 700 feet AGL 8 points = more than 700 to 1000 feet AGL 10 points =more than 1000 feet AGL
7	Return to base (RTB) capabilities in case of loss of communication, energy shortage or other problems	10	0 point = no RTB protocol 2 points = RTB protocol to launch location via shortest path (direct) 4-6 points = RTB protocols with alternate locations via shortest path (indirect) 8 -10 points = RTB protocols with multiple alternate locations (indirect), flight profiles (altitudes)

8	Flight operations ready from a cold start	10	6 points = Less than 30 minutes 8 points = Less than 20 minutes 10 points = Less than 10 minutes
9	Sense-and-avoid or obstacle/ collision avoidance logic onboard the system ~~(a score of 0 does not make this serial non-compliant)~~	4	4 points = Yes 0 points = No
10	Data meshing capabilities to reduce the use of electromagnetic spectrum (a score of 0 does not make this serial non-compliant)	6	6 points = Yes, organic UAS capability 0 points = No
Total maximum points		**100**	

ANNEX D: EVALUATION CRITERIA FOR COMPONENT 2: Attritable Class II UAS

SERIAL #	Criteria	Maximum point	Range
1	Contractor Level of Experience with UAS with Military / National / Governmental Practice	8	0 points = no experience or familiarity 1 - 4 points = any practical experience less than 5 years 4 - 8 points = Military / National / Governmental Practical experience 5 years or more
2	The number of UAS per component that the Contractor can provide and operate simultaneously	14	0 points = less than 10 UAS per WP (Work Package) 8 Points = 10 or more UAS per WP 10 Points = more than 25 UAS per WP 12 Points = more than 50 UAS per WP 14 Points = more than 100 UAS per WP
3	Contractors availability to participate in multiple Work Packages	8	Company available to participate in 1 work package = 2 points 4 points = 2 work packages 6 points = 3 work packages 8 points = 4 or more work packages or more
4	Component size	8	0 points = less than 6 feet in length, less than 6.6-foot wingspan. 4 points = greater than 10 feet in length, greater than 10-foot wingspan 8 points = 6 - 10 feet in length, 6.6 – 10-foot wingspan
5	Operating speed	6	2 Points = Less than 70 mph 4 Points = 71 mph – 100 mph 6 Points = More than 100 mph
6	Global navigation satellite systems (GNSS) or an equivalent that provides positional and altitude information.	4	4 Points = Yes 0 Points = No
7	Flight/Loiter time	6	2 Points = less than 60 minutes 3 Points = 60 – 80 minutes 4 Points = 81 – 100 minutes 5 Points = 101 – 120 minutes 6 Points = more than 121 minutes

8	Operating Range	4	1 Points = less than ~~10~~ **100** miles 3 Points = ~~10 – 40~~ **100 - 200** miles 4 Points = more than ~~40~~ **200** miles
9	Operating enroute Altitude	8	0 point = less than 1500 feet AGL 4 points = more than 5000 feet AGL 8 points = 1500 feet to 5000 feet AGL
10	Return to base (RTB) capabilities in case of loss of communication, energy shortage or other problems	8	0 point = no RTB protocol 2 points = RTB protocol to launch location via shortest path (direct) 4-6 points = RTB protocols with alternate locations via shortest path (indirect) 6- 8 points = RTB protocols with multiple alternate locations (indirect), flight profiles (altitudes)
11	Flight operations ready from a cold start	6	4 points = Less than 60 minutes 5 points = Less than 30 minutes 6 points = Less than 20 minutes
12	ADS-B transponder (a score of 0 does not make this serial non-compliant)	4	4 points = Yes 0 points = No
13	Sense-and-avoid or obstacle/ collision avoidance logic onboard the system ~~(a score of 0 does not make this serial non-compliant)~~	4	4 points = Yes 0 points = No

14	Data meshing capabilities to reduce the use of electromagnetic spectrum (a score of 0 does not make this serial non-compliant)	4	4 points = Yes, organic UAS capability 0 points = No
15	Reduced Radar Cross Section (RCS) and/or limited electro-magnetic and/or optical/infra read signature (a score of 0 does not make this serial non-compliant)	4	4 Points = Yes 0 Points = No
16	Reduced Electromagnetic or Infrared Signature (a score of 0 does not make this serial non-compliant)	4	4 Points = Yes 0 Points = No
Total maximum points		**100**	

ANNEX E: EVALUATION CRITERIA FOR COMPONENT 3: Non-Attritable Class I UAS

SERIAL #	Criteria	Maximum point	Range
1	Contractor Level of Experience with UAS with Military / National / Governmental Practice	12	0 points = no experience or familiarity 1 - 5 points = any practical experience less than 5 years 6 - 12 points = Military / National / Governmental Practical experience 5 years or more
2	The number of UAS per component that the Contractor can provide and operate simultaneously	20	0 points: less than 50 UAS per WP (Work Package) 2 points: 50 or more UAS per WP 4 points = more than 100 UAS per WP 8 points = more than 250 UAS per WP 12 points = more than 400 UAS per WP 16 points = more than 500 UAS per WP 20 points = more than 900 UAS per WP
3	Contractors availability to participate in multiple workpackages	8	Company available to participate in 1 work package = 2 points 4 points = 2 work packages 6 points = 3 work packages 8 points = 4 or more work packages or more
4	Flight/Loiter time	10	0 points = less than 10 minutes 3 points: 10-30 minutes 6 points = 31 – 60 minutes 7 points = 61-75 minutes 10 points = more than 75 minutes
5	Operational range	10	For Subcomponent 3.1: 1 point = less than 1 mile 3 points = more than 3 miles and less than 5 miles 6 points = more than 5 miles and less than 10 miles 10 points = more than 10 miles Subcomponent 3.2 1 point = less than 3 miles 3 points = more than 7 miles and less than 10 miles 6 points = more than 10 miles and less than 20 miles 10 points = more than 20 miles

			Subcomponent 3.3 1 point = less than **5** miles 3 points = more than 9 miles and less than 13 miles 6 points = more than 5 miles and less than 25 miles 10 points = more than 25 miles
6	Maximum Operating altitude maintaining 50% of declared operating range stated at Serial # 5.	10	0 points = less than 300 feet AGL 4 points = more than 300 feet to 700 feet AGL 8 points = more than 700 to 1000 feet AGL 10 points =more than 1000 feet AGL
7	Return to base (RTB) capabilities in case of loss of communication, energy shortage or other problems	10	0 point = no RTB protocol 2 points = RTB protocol to launch location via shortest path (direct) 4-6 points = RTB protocols with alternate locations via shortest path (indirect) 8 -10 points = RTB protocols with multiple alternate locations (indirect), flight profiles (altitudes)
8	Flight operations ready from a cold start	10	6 points = Less than 30 minutes 8 points = Less than 20 minutes 10 points = Less than 10 minutes
9	Sense-and-avoid or obstacle/ collision avoidance logic onboard the system ~~(a score of 0 does not make this serial non-compliant)~~	4	4 points = Yes 0 points = No

10	Data meshing capabilities to reduce the use of electromagnetic spectrum (a score of 0 does not make this serial non-compliant)	6	6 points = Yes, organic UAS capability 0 points = No
Total maximum points		**100**	

ANNEX F: EVALUATION CRITERIA FOR COMPONENT 4: Non- Attritable Class II UAS

SERIAL #	Criteria	Maximum point	Range
1	Contractor Level of Experience with UAS with Military / National / Governmental Practice	8	0 points = no experience or familiarity 1 - 4 points = any practical experience less than 5 years 4 - 8 points = Military / National / Governmental Practical experience 5 years or more
2	The number of UAS per component that the Contractor can provide and operate simultaneously	14	0 points = less than 10 UAS per WP (Work Package) 8 Points = more than 10 UAS per WP 10 Points = more than 25 UAS per WP 12 Points = more than 50 UAS per WP 14 Points = more than 100 UAS per WP
3	Contractors availability to participate in multiple Work Packages	8	Company available to participate in 1 work package = 2 points 4 points = 2 work packages 6 points = 3 work packages 8 points = 4 or more work packages or more
4	Component size	8	0 points = less than 6 feet in length, less than 6.6-foot wingspan. 4 points = greater than 10 feet in length, greater than 10-foot wingspan 8 points = 6 - 10 feet in length, 6.6 – 10-foot wingspan
5	Operating speed	6	2 Points = Less than 70 mph 4 Points = 71 mph – 100 mph 6 Points = More than 100 mph
6	Global navigation satellite systems (GNSS) or an equivalent that provides positional and altitude information.	4	4 Points = Yes 0 Points = No
7	Flight/Loiter time	6	2 Points = less than 60 minutes 3 Points = 60 – 80 minutes 4 Points = 81 – 100 minutes 5 Points = 101 – 120 minutes 6 Points = more than 121 minutes

8	Operating Range	4	1 Points = less than ~~10~~ **100** miles 3 Points = ~~10 – 40~~ **100 - 200** miles 4 Points = more than ~~40~~ **200** miles
9	Operating enroute Altitude	8	0 point = less than 1500 feet AGL 4 points = more than 5000 feet AGL 8 points = 1500 feet to 5000 feet AGL
10	Return to base (RTB) capabilities in case of loss of communication, energy shortage or other problems	8	0 point = no RTB protocol 2 points = RTB protocol to launch location via shortest path (direct) 4-6 points = RTB protocols with alternate locations via shortest path (indirect) 6- 8 points = RTB protocols with multiple alternate locations (indirect), flight profiles (altitudes)
11	Flight operations ready from a cold start	6	4 points = Less than 60 minutes 5 points = Less than 30 minutes 6 points = Less than 20 minutes
12	ADS-B transponder (a score of 0 does not make this serial non-compliant)	4	4 points = Yes 0 points = No
13	Sense-and-avoid or obstacle/ collision avoidance logic onboard the system ~~(a score of 0 does not make this serial non-compliant)~~	4	4 points = Yes 0 points = No

14	Data meshing capabilities to reduce the use of electromagnetic spectrum (a score of 0 does not make this serial non-compliant)	4	4 points = Yes, organic UAS capability 0 points = No
15	Reduced Radar Cross Section (RCS) and/or limited electro-magnetic and/or optical/infra read signature (a score of 0 does not make this serial non-compliant)	4	4 Points = Yes 0 Points = No
16	Reduced Electromagnetic or Infrared Signature (a score of 0 does not make this serial non-compliant)	4	4 Points = Yes 0 Points = No
Total maximum points		**100**	

ANNEX G: Acronyms

Acronym	Definition
C2	Command and Control
CIS	Communication & Information System
UAS	Unmanned Aircraft System
CUAS	Counter Unmanned Aircraft Systems

ANNEX H: STANAG 4817 Status Message format

Example STATUS message following STANAG 4817 format.
UUID are version 5.
These are just examples. More details on the formatting and parameters will be provided after contract award.

Status message


```
{
   "header": {
      "message_type": "MessageTypeEnum_STATUS",
      "source": "a895f8f5-46b0-5603-bdf0-b270a2867c09",
      "version": "0.2.0",
      "time_sent": "2025-03-18T12:05:00+00:00"
   },
   "body": {
      "identifier": "a895f8f5-46b0-5603-bdf0-b270a2867c09",
      "timestamp": "2025-03-18T12:05:00+00:00",
      "pose": {
         "position": {
            "$discriminator": "PositionTypeEnum_LATITUDE_LONGITUDE_ALTITUDE",
            "latitude_longitude_altitude": {
               "latitude": 10.0,
               "longitude": 11.0,
               "altitude": []
            }
         }
      },
      "status": "NodeStatusEnum_AVAILABLE"
   }
}
```


Update Track message


```
{
   "header": {
      "message_type": "MessageTypeEnum_DYNAMIC_UPDATE",
      "source": "a895f8f5-46b0-5603-bdf0-b270a2867c09",
      "version": "0.2.0",
      "time_sent": "2025-03-18T12:05:00+00:00"
   },
   "body": {
      "operations": [
         {
            "$discriminator": "DynamicUpdateOperationTypeEnum_PUT_VALUE",
            "put_value": {
               "$discriminator": "ValueTypeEnum_TRACK",
               "track": {
```

```
                    "identifier": "0c038c15-46de-5367-915e-9b8cafdd227e",
                    "description": {
                        "context": "ContextEnum_REALITY",
                        "standard_identity": "StandardIdentityEnum_FRIEND",
                        "symbol_set": "SymbolSetEnum_SEA_SUBSURFACE",
                        "status": "EntityStatusEnum_PRESENT",
                        "headquarters_task_force_dummy":
"HeadquartersTaskForceDummyEnum_NOT_APPLICABLE",
                        "entity": "11",
                        "entity_type": "04",
                        "entity_subtype": "00",
                        "sector_1": "00",
                        "sector_2": "00",
                        "name": "cmre.some_track"
                    },
                    "timestamp": "2025-03-18T12:05:00+00:00",
                    "pose": {
                        "position": {
                            "$discriminator":
"PositionTypeEnum_LATITUDE_LONGITUDE_ALTITUDE",
                            "latitude_longitude_altitude": {
                                "latitude": 10.0,
                                "longitude": 12.0,
                                "altitude": [
                                    {
                                        "value": 123.0,
                                        "type": "AltitudeTypeEnum_WGS"
                                    }
                                ]
                            }
                        }
                    },
                    "track_phase": "TrackPhase_DEAD_RECKONED"
                }
            }
        }
    ],
    "max_age": "PT2H"
  }
}
```


Task Admin message (optional)


```
{
   "header": {
      "message_type": "MessageTypeEnum_TASK_ADMIN",
      "source": "a895f8f5-46b0-5603-bdf0-b270a2867c09",
      "version": "0.2.0",
      "time_sent": "2025-03-18T12:05:00+00:00"
```

```
    },
    "body": {
        "identifier": "bc8cdf31-e2a9-5209-98c6-19c787c63f1e",
        "node": "a895f8f5-46b0-5603-bdf0-b270a2867c09",
        "description": {
            "$discriminator": "TaskDescriptionUnionEnum_IDENTIFY",
            "identify": {
                "targets": [
                    {
                        "$discriminator": "TargetTypeEnum_CONTACT",
                        "contact": {
                            "identifier": "95512a14-a2f3-53de-b2ee-816cf6a49e88",
                            "description": {
                                "name": "cmre.contact"
                            },
                            "timestamp": "2025-03-18T12:05:00+00:00",
                            "pose": {
                                "position": {
                                    "$discriminator":
"PositionTypeEnum_LATITUDE_LONGITUDE_ALTITUDE",
                                    "latitude_longitude_altitude": {
                                        "latitude": 10.0,
                                        "longitude": 12.0,
                                        "altitude": [
                                            {
                                                "value": 123.0,
                                                "type": "AltitudeTypeEnum_WGS"
                                            }
                                        ]
                                    }
                                }
                            },
                            "specialization": {
                                "$discriminator":
"ContactSpecializationTypeEnum_SBW_CONTACT",
                                "sbw_contact": {
                                    "classification": [
                                        {
                                            "type": "SBWContactTypeEnum_CORROSION",
                                            "severity": "SBWContactSeverityEnum_LOW",
                                            "confidence": 0.2
                                        }
                                    ]
                                }
                            }
                        }
                    }
                ],
                "specialization": {
```

```
                "$discriminator": "IdentifySpecializationTypeEnum_IDENTIFY_SBW",
                "identify_sbw": {
                    "altitude": 12.0,
                    "starting_pose": {
                        "identifier": "0f05b741-de81-58e6-81e3-23f074fcddeb",
                        "timestamp": "2025-03-18T12:05:00+00:00",
                        "pose": {
                            "position": {
                                "$discriminator":
"PositionTypeEnum_LATITUDE_LONGITUDE_ALTITUDE",
                                "latitude_longitude_altitude": {
                                    "latitude": 10.1,
                                    "longitude": 12.1,
                                    "altitude": []
                                }
                            }
                        }
                    },
                    "radius": 2.0
                }
            }
        }
    },
    "action": "TaskAdminActionEnum_PUSH"
  }
}
```