

Supply and Support of Counter Small Unmanned Aircraft Systems (C-sUAS)

- Ministry of Defence, Land Equipment, Dismounted Close Combat (DCC)

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F01: Prior information notice

Prior information only

Contracting Authority: Ministry of Defence, Land Equipment, Dismounted Close Combat (DCC)

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NUTS Code: UK - United Kingdom

National Registration Number: Ministry of Defence

Main Internet Address: <https://des.mod.uk/contact-us/>

The contract is awarded by a central purchasing body

Additional information can be obtained from the above-mentioned address

Type of Contracting Authority: Ministry or any other national or federal authority

Main Activity: Defence

Title: Supply and Support of Counter Small Unmanned Aircraft Systems (C-sUAS)

Reference Number: 701429380

Main CPV Code: 35613000 - Unmanned aerial vehicles

Type of Contract: Supplies

Short Description

The UK MOD has a requirement for a man portable capability to "Defeat" autonomous, small (NATO Class 1) Unmanned (Fixed Wing and Rotary Wing) Aircraft Systems (sUAS) by a kinetic effect "Hard Kill" solution which is not reliant on RF jamming technology.

Estimated Total Value: excluding VAT: £12,000,000

Lots Information: This contract is not divided into lots

Additional CPV Code: 35613100 - Unmanned combat aerial vehicles

Place of Performance: UKK - South West (England)

Description of the Procurement

As part of the Concept Phase for the C-sUAS Project the Authority is to hold an Industry Event with the following objectives:

- Identify what capabilities Industry has to meet the requirements in the immediate future, for delivery within 2022;
- Identify what Industry is developing to meet the requirements in the near future, for delivery within 2023.
- Identify technologies with the development potential to evolve to meet emerging threats, beyond 2023.

The Industry Event will comprise of two stages, detailed as follows:

Stage 1: Presentation

Companies will deliver a 30-minute presentation of their product via virtual conferencing (e.g. Microsoft Teams), covering functionality, feasibility, technological robustness, deliverability, and development potential. This will allow companies with either Commercial Off The Shelf (COTS) products or products in development to present their solutions.

Stage 2: Demonstration

Companies who have presented a product suitably safe and sufficiently developed to be operated on a Trials Range will be invited to demonstrate their capability within a 1-hour timeslot in a live environment.

Demonstration Format

In outline, the demonstration will entail each product supplier operating their C-UAS system to engage a Class 1 target UAS approaching from a distance of 500m.

NOTE: Products will be required to be functional in varying environmental conditions. The targets height for each scenario is yet to be determined.

The target set will take the following format, with the effectiveness being determined upon the incremental reduction in target difficulty. If the target is defeated on scenario 1 or 2, scenario 3 will not be performed.

Scenario 1: 500m to 100m, evading manoeuvres to target.

Scenario 2: 500m to 100m, direct line to target.

Scenario 3: 100m to 20m staged approach, left-right traverse, then stationary at each 20m increment, tenderers will be given 1 opportunity at each stage to defeat the drone.

Costs

Industry will be responsible for their costs incurred in association with the Industry Event (e.g. travel, subsistence, demonstration products etc.). The UK MoD will not reimburse costs.

Event Location

The location of the industry event is still to be determined, however this will likely to be on Salisbury Plain Training Area.

Event Target

Target drones falling under NATO Class 1 mini (<15kg) classification will be utilised.

Event Administration and manning

Industry participants will be self-sufficient during the event.

Specific arrangements will be announced once the level of response has been determined.

It is anticipated the Industry Event will be held over several days with companies only required to attend on one day.

Additional Information: Indicative Timeline for this Project.

- 1) Deadline for registering interest for the Industry Day – 24-09-2021
- 2) Industry Engagement via MS Teams – WC 27-09-2021
- 3) Industry Demonstration – Live – WC 18-10-2021
- 4) DPQQ Publication – Estimated October 2021
- 5) Tender Publication – Estimated December 2021
- 6) Contract Award Date – Feb 2022

Estimated Date of Publication of Contract Notice: 29 October 2021

Procedure

The procurement is covered by the Government Procurement Agreement: No

Additional Information

The solution must:

- a. Be man portable and not present an unacceptable burden to the Dismounted Close Combat User
- b. Defeat NATO Class 1 autonomous drones by a kinetic effect “Hard Kill” solution.
- c. Have capability against both Fixed Wing and Rotary Wing sUAS.
- d. Comply with all applicable civil legislation and be fully design certified.
- e. Not present an unacceptable hazard to the Operator or other personnel/equipment in close proximity.
- f. Not be reliant on jamming technology.

For the purposes of this event ‘defeat’ is defined as: “Imparting physical damage, or ensnaring the sUAS in such a manner to cease and prevent flight”.

Action

Companies who wish to participate in this C-sUAS Industry Event and have equipment/systems that provide a suitable system (in line with the above information above) should provide the following details to the Authority contact (provided in 'UK MoD Point of Contact') prior to the 24th September.

- 1) Name of Company;
 - 2) Main Point of Contact Details (Name, Address, Contact Telephone Number);
 - 3) Confirmation of attendance to the virtual presentation (to be held w/c 27th September)
 - 4) Details of existing C-sUAS related equipment (e.g. Data Sheet, Limitations of use, etc);
 - 5) Top Level brief on developments for future C-sUAS related equipment;
 - 6) Confirmation if the company wishes to present equipment at the industry event;
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The above Tender can be viewed using the following link:

[Supply and Support of Counter Small Unmanned Aircraft Systems \(C-sUAS\) - Find a Tender \(find-tender.service.gov.uk\)](https://find-tender.service.gov.uk)

Please ensure all correspondence is only directed to the Contract Authority Point of Contact - Nicholas Harris. Any Tender responses received by the UAS CDC **will not** be actioned.