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Planning

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

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

F01: Prior information notice

Prior information only

Notice identifier: 2021/S 000-022106

Procurement identifier (OCID): ocds-h6vhtk-02ddc9

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Section I: Contracting authority

I.1) Name and addresses

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

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NUTS code

UK - United Kingdom

National registration number

Ministry of Defence

Internet address(es)

Main address

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

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Defence

Section II: Object**II.1) Scope of the procurement****II.1.1) Title**

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

Reference number

701429380

II.1.2) Main CPV code

- 35613000 - Unmanned aerial vehicles

II.1.3) Type of contract

Supplies

II.1.4) 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.

II.1.5) Estimated total value

Value excluding VAT: £12,000,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 35613100 - Unmanned combat aerial vehicles

II.2.3) Place of performance

NUTS codes

- UKK - South West (England)

II.2.4) 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 (