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Planning

## **Rotorcraft Concepts and Tactical Aviation Research**

Ministry of Defence (DSTL)

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-012313

Procurement identifier (OCID): ocds-h6vhtk-0336b6

Published 11 May 2022, 4:43pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

Ministry of Defence (DSTL)

Fareham

PO17 6AD

#### **Contact**

Kate Stokes-Richardson

#### **Email**

[ksrichardson@dstl.gov.uk](mailto:ksrichardson@dstl.gov.uk)

#### **Country**

United Kingdom

#### **NUTS code**

UK - United Kingdom

## **Internet address(es)**

Main address

<https://www.gov.uk/government/organisations/defence-science-and-technology-laboratory>

## **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

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Rotorcraft Concepts and Tactical Aviation Research

Reference number

RQ0000009013

#### **II.1.2) Main CPV code**

- 73410000 - Military research and technology

#### **II.1.3) Type of contract**

Services

#### **II.1.4) Short description**

To address the future challenges of operating in complex military environments, there is a need to continue research and development of aviation concepts and technologies as MOD looks forward to replacing a number of existing capabilities in the latter part of the 2030's and beyond. Dstl requires a Delivery Partner to collaborate in the development

and maturation of concepts and technologies for future rotorcraft, and tactical aviation in Contested, Degraded and Operationally-limited (CDO) environments. The expectation is that the Delivery Partner construct will consist of a suitable organisation to lead a group of companies in a consortium-based approach to benefit from a broad range of relevant expertise, concepts and technologies across the UK industry base.

### **II.1.5) Estimated total value**

Value excluding VAT: £4,500,000

### **II.1.6) Information about lots**

This contract is divided into lots: No

## **II.2) Description**

### **II.2.2) Additional CPV code(s)**

- 73110000 - Research services

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

### **II.2.4) Description of the procurement**

In particular, the Delivery Partner will support Dstl to:

- Identify concepts for future rotorcraft systems that will deliver military effect in the land and maritime environments.
- Develop and demonstrate the key novel technologies that enable future rotorcraft concepts to be realised.
- Underpin the understanding of future concepts and novel technologies through analysis and assessment.
- Build on current research to mature and demonstrate technologies required by future tactical aviation to achieve Freedom of Action and Manoeuvre (FoAM) in a CDO environment.

Key areas of potential interest are listed below. This is an indicative list only and is not exhaustive; it is not a commitment that all of the topic areas listed will be exploited, and some additional topics may be identified as the project matures:

- In-cockpit assistance, autonomy, and automation of crew tasks which supports situational awareness, decision making and threat awareness during all phases of flight and while operating singly or in formations.
- The use of automation of tasks to enable a reduction in the number of crew required to operate future generation aircraft.
- Enablers for multi-domain teaming with aviation platforms to deliver find, attack and lift capabilities into the land and maritime environments.
- Communication concepts that enable timely and effective information exchange between platforms and systems into a fused information picture, thus improving battlespace awareness.
- Development of an evaluation environment that enables the integration and combined benefits of key enabling technologies to be demonstrated in a suitably representative CDO environment.
- Future force mixes & equipment to maximise effectiveness and deliver scalable integrated effects.
- Improved operational efficiency and capability resilience through digital engineering methods.
- Use of autonomy in optimising aviation force effectiveness and the people component of the force.

It is intended to conduct an Early Engagement event in mid-2022, hosted by Dstl, to provide an opportunity for interested Industry organisations to gain further information of the requirement and Dstl expectations prior to the formal tendering stage.

#### **II.2.14) Additional information**

Additional Information: Suppliers interested in working with the Ministry of Defence should register on the MOD Supplier Information Database (SID) Register, available at [www.contracts.mod.uk](http://www.contracts.mod.uk). The MOD SID is a database of active and potential suppliers available to all MOD and UK Defence procurement personnel, and is the main supplier database of MOD Procurement organisations. Please note: the reg

#### **II.3) Estimated date of publication of contract notice**

11 May 2022

## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: No