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Planning

## **The Support for the Scoping of Alternative Measurement Methods to operate within a Nuclear Fusion Environment**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-026208

Procurement identifier (OCID): ocids-h6vhtk-036983

Published 20 September 2022, 12:07pm

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

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

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### **Contact**

Joanne Davies

#### **Email**

[joanne.davies@ukaea.uk](mailto:joanne.davies@ukaea.uk)

#### **Telephone**

+44 1235467082

**Country**

United Kingdom

**Region code**

UK - United Kingdom

**National registration number**

N/A

**Internet address(es)**

Main address

<http://www.gov.uk/government/organisations/uk-atomic-energy-authority>

Buyer's address

<https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/72814>

**I.3) Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at

[https://uk.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=53004&B=UKAEA](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=53004&B=UKAEA)

Additional information can be obtained from the above-mentioned address

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Other activity

Fusion Research

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## **Section II: Object**

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

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

The Support for the Scoping of Alternative Measurement Methods to operate within a Nuclear Fusion Environment

Reference number

T-JD161-22

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

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

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

Supplies

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

UKAEA is issuing this Prior Information Notice (PIN) as a Request for Information (RFI) to gather market intelligence and relevant technical information on the current ideas on alternative ways measurement methods for overcoming challenges around sensing in a harsh environment.

Working within the STEP programme, the Control Systems Integration (CSI) work area is looking to support these ambitions by developing its knowledge of the necessary plant control systems and potential requirements of a Fusion Power Plant (FPP). As part of this, there is significant challenge in providing the necessary sensors for the control and monitoring of the plasma relevant aspects of the power plant. This specifically relates to the sensors and associated equipment required to operate within the harsh environment in and around the fusion machine (tokamak) itself. With the greatest risk being around the ability to provide the necessary measurements within a radiative environment.

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

This contract is divided into lots: No

### **II.2) Description**

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

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

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

NUTS codes

- UK - United Kingdom

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

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More information is contained within the attachment.

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

1 February 2023

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## **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