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Tender

## Design and Build Framework

UK Atomic Energy Authority

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-031004

Procurement identifier (OCID): ocds-h6vhtk-054574 ([view related notices](#))

Published 9 June 2025, 3:07pm

## Scope

## Reference

T\_TM203\_24 FF\_IC

## Description

This Procurement Project is to create a Framework for the delivery of future projects relating to the Fusion Futures programme. This Framework is designed for the Fusion Futures Industry Capability programme but not limited to it. There was a PIN published under PCR15 under EU-supply reference: 94938. The Notice can be found on Find a Tender, Procurement identifier (OCID): ocds-h6vhtk-04d46b. This cannot be linked to this Tender due to technical issues with the e-sender therefore we are providing the information in this way. A UK1 - Pipeline notice was published under PA23. The Notice can be found on Find a Tender, Procurement identifier (OCID): ocds-h6vhtk-050427. This also cannot be linked to this Tender due to technical issues with the e-sender therefore we are providing the information in this way.

## **Commercial tool**

Establishes a framework

## **Total value (estimated)**

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Above the relevant threshold

## **Contract dates (estimated)**

- 31 July 2025 to 31 July 2026
- 1 year, 1 day

## **Main procurement category**

Services

## **CPV classifications**

- 42150000 - Nuclear reactors and parts
- 35113210 - Nuclear safety equipment
- 38940000 - Nuclear evaluation instruments
- 45251111 - Construction work for nuclear reactors
- 71320000 - Engineering design services
- 98113100 - Nuclear safety services

## **Lot LOT-0001. Design and Build Framework**

### **Description**

This Procurement Project is to create a Framework for the delivery of future projects relating to the Fusion Futures programme. This Framework is designed for the Fusion Futures Industry Capability programme but not limited to it.

### **Lot value (estimated)**

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

### **Same for all lots**

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

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## **Lot LOT-0002. Design & Build Framework Lot 2: Component Design, Build & System Integration**

### **Description**

This lot focuses on the design, manufacturing, and integration of high-performance

components and systems for fusion applications. It includes the development of mechanical, electrical, and thermal components, their assembly into working subsystems, and their integration into larger operational frameworks. Given the extreme conditions of fusion environments, this work requires advanced materials, precision engineering, and compliance with stringent safety and performance standards.

**Lot value (estimated)**

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

**Same for all lots**

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

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**Lot LOT-0003. Design & Build Framework Lot 3: Prototype & Rig Design and Build****Description**

This lot focuses on the design, development, and testing of prototype systems and experimental rigs that support fusion research. It includes the creation of test beds for validating new technologies, experimental setups for component qualification, and prototype systems that could be scaled into operational fusion reactors. This category is crucial for bridging the gap between theoretical research and practical application in fusion energy development.

**Lot value (estimated)**

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

### **Same for all lots**

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

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## **Lot LOT-0004. Design & Build Framework Lot 4: Design and Build Digital & Control Systems**

### **Description**

This lot focuses on the design, development, and integration of digital, IT, and control systems for fusion applications. It includes software development, real-time control frameworks, high-performance computing (HPC), automation, and advanced data processing for fusion reactor operations. These systems are crucial for optimizing plasma control, ensuring operational safety, and enabling remote monitoring of fusion experiments.

### **Lot value (estimated)**

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

### **Same for all lots**

CPV classifications and contract dates are shown in the Scope section, because they are

the same for all lots.

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## **Framework**

### **Maximum number of suppliers**

Unlimited

### **Maximum percentage fee charged to suppliers**

0%

### **Framework operation description**

Direct award Mini Competition

### **Award method when using the framework**

Either with or without competition

### **Contracting authorities that may use the framework**

Establishing party only

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## **Submission**

## Enquiry deadline

13 June 2025, 4:00pm

## Tender submission deadline

4 July 2025, 11:59pm

## Submission address and any special instructions

[https://uk.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=94413&B=](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=94413&B=)

## Tenders may be submitted electronically

Yes

## Languages that may be used for submission

English

## Award decision date (estimated)

19 July 2025

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## Award criteria

Name	Description	Type
See Tender Pack	See Tender Pack	Quality

## **Weighting description**

See Tender Pack

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## **Other information**

### **Payment terms**

To be completed at the project level

### **Description of risks to contract performance**

To be completed at the project level

### **Applicable trade agreements**

- Government Procurement Agreement (GPA)

### **Conflicts assessment prepared/revised**

Yes

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## **Procedure**

### **Procedure type**



Open procedure

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## Contracting authority

### UK Atomic Energy Authority

- Public Procurement Organisation Number: PLJV-1169-JTDD

Culham Science Centre

Oxfordshire

OX14 3DB

United Kingdom

Contact name: Tony Morris

Telephone: +12 35528822

Email: [tony.morris@ukaea.uk](mailto:tony.morris@ukaea.uk)

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

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government