

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/025529-2021>

Tender

## **Sensor Channel Health Check**

Ministry of Defence

F17: Contract notice for contracts in the field of defence and security

Notice identifier: 2021/S 000-025529

Procurement identifier (OCID): ocds-h6vhtk-02eb26

Published 12 October 2021, 10:45pm

### **Section I: Contracting authority/entity**

#### **I.1) Name, addresses and contact point(s)**

Ministry of Defence

Ministry of Defence - Submarine Delivery Agency Abbey Wood, #3112, Ash 1B/C

Bristol

BS34 8JH

#### **For the attention of**

Allman Jones Phoebe

#### **Email(s)**

[phoebe.allman-jones100@mod.gov.uk](mailto:phoebe.allman-jones100@mod.gov.uk)

#### **Country**

United Kingdom

#### **Further information**

Further information can be obtained from the above mentioned contact point(s)

**Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from**

The above-mentioned contact point(s)

**Tenders or requests to participate must be sent to**

The above-mentioned contact point(s)

---

## **Section II: Object of the contract**

### **II.1) Description**

#### **II.1.1) Title attributed to the contract by the contracting authority**

Sensor Channel Health Check

#### **II.1.2) Type of contract and location of works, place of delivery or of performance**

Supplies

Purchase

#### **Main site or location of works, place of delivery or of performance**

Abbey Wood, Bristol

#### **II.1.5) Short description of the contract or purchase(s)**

Expressions of interests are sought from potential providers that have the capability to develop and demonstrate algorithms that can be used for identifying and classifying defective channels so that they can be removed from the data stream prior to processing by other algorithms, as part of a larger data analysis system. The channel data would consist of time-series data from large arrays of sensors capturing noise and vibration data. The algorithms must be suitable for insertion into an open system and where they depend on the use of training data, a strategy for obtaining that data will need to be devised and implemented. A validation and verification strategy will need to be devised and the success of the algorithm(s) in identifying defective channels demonstrated. This work is to be delivered in accordance with the Systems Requirements document, which will be issued with the Invitation to Tender (ITT).

The use of the Contracting, Purchasing & Finance (CP&F) system is a mandatory requirement for this Contract, the Authority must be assured that you have the technical ability to trade electronically and connect to the CP&F system. If this assurance is not provided Potential Providers will be sifted out during the DPQQ evaluation stage

The Authority requires Potential Providers to comply with the Mandatory Selection Criterion for the Government's Cyber Essentials Scheme. Failure to comply will lead to Potential Providers being sifted out at the DPQQ evaluation stage.

The Cyber Risk Profile for this requirement identified by the Cyber Risk Assessment is Very Low (Reference – 524751796).

The security classification of the project will be OFFICIAL-SENSITIVE level.

In relation to Health and Safety the Authority will exclude Potential Bidders that are unable to confirm their organisation has a Health and Safety policy that complies with current legislative requirements and Potential Bidders that have been in receipt of enforcement/remedial action orders unless the bidder can demonstrate to the Authority's satisfaction that appropriate remedial action has been taken to prevent future occurrences or breaches.

Further information regarding exclusion criteria, minimum standards and the criteria for down selecting Potential Providers can be found within the DPQQ and it's supporting document 'Sensor Channel Health Check DPQQ Potential Provider Guidance'.

#### **II.1.6) Common procurement vocabulary (CPV)**

- 35512000 - Submarines

#### **II.1.7) Information about subcontracting**

The tenderer has to indicate in the tender any share of the contract it may intend to subcontract to third parties and any proposed subcontractor, as well as the subject-matter of the subcontracts for which they are proposed

The tenderer has to indicate any change occurring at the level of subcontractors during the execution of the contract

### **II.2) Quantity or scope of the contract**

#### **II.2.1) Total quantity or scope**

Expressions of interests are sought from potential providers that have the capability to develop and demonstrate algorithms that can be used for identifying and classifying

defective channels so that they can be removed from the data stream prior to processing by other algorithms, as part of a larger data analysis system. The channel data would consist of time-series data from large arrays of sensors capturing noise and vibration data. The algorithms must be suitable for insertion into an open system and where they depend on the use of training data, a strategy for obtaining that data will need to be devised and implemented. A validation and verification strategy will need to be devised and the success of the algorithm(s) in identifying defective channels demonstrated. This work is to be delivered in accordance with the Systems Requirements document, which will be issued with the Invitation to Tender (ITT).

Estimated value excluding VAT:

£530,000

#### **II.2.2) Information about options**

Options: No

#### **II.3) Duration of the contract or time limit for completion**

Duration in months: 8 (from the award of the contract)

---

## **Section III. Legal, economic, financial and technical information**

### **III.1) Conditions relating to the contract**

#### **III.1.2) Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them**

The use of the Contracting, Purchasing & Finance (CP&F) system is a mandatory requirement for this Contract, the Authority must be assured that you have the technical ability to trade electronically and connect to the CP&F system.

### **III.2) Conditions for participation**

#### **III.2.1) Personal situation**

**Criteria regarding the personal situation of economic operators (that may lead to their exclusion) including requirements relating to enrolment on professional or trade registers**

Information and formalities necessary for evaluating if the requirements are met: Suppliers Instructions How to Express Interest in this Tender:

1. Register your company on the eSourcing portal (this is only required once)

- Browse to the eSourcing Portal
- Click the "Click here to register" link
- Accept the terms and conditions and click "continue"
- Enter your correct business and user details
- Note the username you chose and click "Save" when complete
- You will shortly receive an email with your unique password (please keep this secure)

2. Express an Interest in the tender

- Login to the portal with the username/password
- Click the "PQQs Open to All Suppliers" link. (These are Pre-Qualification Questionnaires open to any registered supplier)
- Click on the relevant PQQ to access the content.

- Click the “Express Interest” button in the “Actions” box on the left-hand side of the page.
- This will move the PQQ into your “My PQQs” page. (This is a secure area reserved for your projects only)
- Click on the PQQ code, you can now access any attachments by clicking the “Settings and Buyer Attachments” in the “Actions” box

### 3. Responding to the tender

- You can now choose to “Reply” or “Reject” (please give a reason if rejecting)
- You can now use the ‘Messages’ function to communicate with the buyer and seek any clarification
- Note the deadline for completion, then follow the onscreen instructions to complete the PQQ
- There may be a mixture of online & offline actions for you to perform (there is detailed online help available)

If you require any further assistance please consult the online help, or contact the eTendering help desk.

### **Criteria regarding the personal situation of subcontractors (that may lead to their rejection) including requirements relating to enrolment on professional or trade registers**

Information and formalities necessary for evaluating if the requirements are met: Suppliers Instructions How to Express Interest in this Tender:

#### 1. Register your company on the eSourcing portal (this is only required once)

- Browse to the eSourcing Portal
- Click the “Click here to register” link
- Accept the terms and conditions and click “continue”
- Enter your correct business and user details
- Note the username you chose and click “Save” when complete

- You will shortly receive an email with your unique password (please keep this secure)

## 2. Express an Interest in the tender

- Login to the portal with the username/password
- Click the "PQQs Open to All Suppliers" link. (These are Pre-Qualification Questionnaires open to any registered supplier)
- Click on the relevant PQQ to access the content.
- Click the "Express Interest" button in the "Actions" box on the left-hand side of the page.
- This will move the PQQ into your "My PQQs" page. (This is a secure area reserved for your projects only)
- Click on the PQQ code, you can now access any attachments by clicking the "Settings and Buyer Attachments" in the "Actions" box

## 3. Responding to the tender

- You can now choose to "Reply" or "Reject" (please give a reason if rejecting)
- You can now use the 'Messages' function to communicate with the buyer and seek any clarification
- Note the deadline for completion, then follow the onscreen instructions to complete the PQQ
- There may be a mixture of online & offline actions for you to perform (there is detailed online help available)

If you require any further assistance please consult the online help, or contact the eTendering help desk.

---

## Section IV: Procedure

### IV.1) Type of procedure

#### IV.1.1) Type of procedure

Restricted

#### **IV.1.2) Limitations on the number of operators who will be invited to tender or to participate**

Envisaged minimum number 2 and maximum number 6

Objective criteria for choosing the limited number of candidates: A weighted scoring system with a minimum pass mark of 60%, further details are included within the 'Sensor Channel Health Check DPQQ Potential Provider Guidance'

#### **IV.2) Award criteria**

##### **IV.2.1) Award criteria**

the criteria stated in the specifications, in the invitation to tender or to negotiate or in the descriptive document

##### **IV.2.2) Information about electronic auction**

An electronic auction has been used: no

#### **IV.3) Administrative information**

##### **IV.3.1) File reference number attributed by the contracting authority**

701636450

##### **IV.3.2) Previous publication(s) concerning the same contract**

no

##### **IV.3.4) Time limit for receipt of tenders or requests to participate**

15 November 2021 - 8:00am

##### **IV.3.6) Language(s) in which tenders or requests to participate may be drawn up**

English



---

## **Section VI: Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.2) Information about European Union funds**

The contract is related to a project and/or programme financed by European Union funds:  
No

### **VI.3) Additional information**

The Contracting Authority intends to use an e-Tendering system in this procurement exercise, please visit [www.contracts.mod.uk](http://www.contracts.mod.uk) for full details and to register your interest in this procurement.