

United Kingdom-Bristol: Military research and technology

OJ S 248/2020 21/12/2020

Contract notice

Services

Directive 2009/81/EC

## Section I: Contracting authority/entity

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### I.1. Name and addresses

Official name: MOD

Postal address: Abbey Wood

Town: Bristol

Postal code: BS34 8JH

Country: United Kingdom

Contact person: Amy Ford

E-mail: [Amy.Ford398@mod.gov.uk](mailto:Amy.Ford398@mod.gov.uk)

Telephone: +44 3001569342

#### Internet address(es):

General address of the contracting authority/entity: <https://des.mod.uk/>

#### Additional information can be obtained from:

the abovementioned address

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

the abovementioned address

**Tenders or requests to participate must be submitted:** the abovementioned address

### I.2. Type of the contracting authority

Ministry or any other national or federal authority, including their regional or local subdivisions

### I.3. Main activity

Defence

### I.4. Contract award on behalf of other contracting authorities/entities

The contracting authority is purchasing on behalf of other contracting authorities: no

## Section II: Object of the contract

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### II.1. Description

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

FCG/017 Satellite and Mission Simulator

#### II.1.2. Type of contract and place of performance or delivery

Services

Service category No 3: Defence services, military defence services and civil defence services

Main site or place of performance: Bristol, City of.

NUTS code UKK11 Bristol, City of

#### II.1.3. Information about framework agreement

#### II.1.4. Information about framework agreement

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

Military Research and Technology. On behalf of Army HQ, Defence Equipment and Support is seeking to procure a modular, event driven fully data representative satellite simulator for use in design, development, integration, test and operation of space segment assets; this will be used in support of the ARTEMIS mission.

ARTSIM, as the baseline deliverable, will provide a set of generic default satellite configurations which can be used for the analysis of a range of mission operations and capability objectives. The system must take a flexible, distributed architecture approach, providing for a range of spacecraft components to be simulated to a level of fidelity which can be determined by the team utilising the tool. The system shall utilise high quality GUI and animations to visualise satellite and orbit configurations. MOD require the capability to deploy ARTSIM as a stand-alone software process, running on a single machine, or as a VM deployed on a hypervisor, or as a cloud based application running in a container.

Simulation of the satellite systems, subsystems and interfaces in both real-time and simulated time, will provide an operationally ready capability, which is able to represent, as simulation instances, a range of satellite implementations (including constellations), with a full range of orbit configurations. ARTSIM shall enable user (local or remote) control of the simulation including setting parameters and starting/stopping the simulation. ARTSIM shall have a set of default underlying functions, but also enable user definition of system mathematical models including orbit function, satellite function and unit models. ARTSIM shall include interface connectivity functionality, enabling connection to hardware through electrical interfacing to support in the loop testing via a test harness. Software interfacing shall enable connection to external databases, networks or remote control i.e. TT&C databases and external Check-out systems

The ARTSIM product shall support the simulation of system level configurations in the different mission phases (off-launcher separation, and solar panel deployment), definition of the reference systems, the functional block diagrams of the satellite, payload and equipment layouts and functional paths.

The ARTSIM product shall support the development and understanding of satellite level system budgets including:

- mass,
- inertial properties,
- unit power consumption for all operational modes,
- power available in different mission phases.

### **II.1.6. CPV code(s)**

73410000 Military research and technology

### **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.1.8. Lots**

This contract is divided into lots: no

### **II.1.9. Information about variants**

Variants will be accepted: no

## **II.2. Scope of the procurement**

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

Estimated value excluding VAT: 800 000 GBP

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

Options: no

### **II.2.3. Information about renewals**

This contract is subject to renewal: no

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

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

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### **III.1. Conditions related to the contract**

#### **III.1.1. Deposits and guarantees required**

The authority reserve the right to ask for an indemnity, guarantee or bank bond if the supplier does not meet the required standard for economic and financial standing.

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

Payment follows delivery and acceptance of the goods, works or services.

#### **III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded**

If a group of economic operators submits a bid, the group must nominate a lead organisation to deal with the authority.

The authority shall require the group to form a legal entity before entering into the contract.

#### **III.1.4. Other particular conditions to which the performance of the contract is subject, in particular with regard to security of supply and security of information**

The authority reserves the right to amend any condition related to security of information to reflect any changes in national law or government policy. If any contract documents are accompanied by a Security Aspects Letter, the authority reserves the right to amend the terms of the Security Aspects Letter to reflect any changes in national law or government policy whether in respect of the applicable protective marking scheme, specific protective markings given, the aspects to which any protective marking applies or otherwise.

#### **III.1.5. Information about security clearance**

Candidates which do not yet hold security clearance may obtain such clearance until:  
28.2.2021

### **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**

List and brief description of conditions: The authority will apply all the offences listed in Article 39(1) of Directive 2009/81/EC (implemented as Regulation 23(1) of the Defence and Security Public Contract Regulations (DSPCR) 2011 in the UK) and all of the professional misconducts listed at Article 39(2) of Directive 2009/81/EC (see also Regulation 23(2) in the DSPCR 2011) to the decision of whether a candidate is eligible to be invited to tender.

A full list of the Regulation 23(1) and 23(2) criteria are at <http://www.contracts.mod.uk/delta/project/reasonsForExclusion.html#dspr>

Candidates will be required to sign a declaration confirming whether they do or do not have any of the listed criteria as part of the pre-qualification process.

Candidates who have been convicted of any of the offences under Article 39(1) are ineligible and will not be selected to bid, unless there are overriding requirements in the general interest (including defence and security factors) for doing so.

Candidates who are guilty of any of the offences, circumstances or misconduct under Article 39 (2) may be excluded from being selected to bid at the discretion of the authority.

A declaration of good standing will be required in the pre-qualification questionnaire.

### **III.2.2. Economic and financial ability**

#### **Criteria regarding the economic and financial standing of economic operators (that may lead to their exclusion)**

List and brief description of conditions: (a) Appropriate statements from the economic operator's bankers or where appropriate, evidence of relevant professional risk indemnity insurance information will be sought through a formal pre-qualification questionnaire.

Minimum level(s) of standards possibly required: The estimated annual contract value is GBP 250 000. If the estimated annual contract value is greater than 40 % of the supplier's turnover, the authority reserves the right to exclude the supplier from being selected to tender except where the supplier provides, to the satisfaction of the authority, evidence showing it has sufficient economic and financial capability, for example such evidence may include:

- 1) any additional information proving it has sufficient economic and financial resources to deliver the requirement; and
- 2) stating whether the supplier is willing to provide the authority with an indemnity, guarantee or bank bond.

A financial assessment will be undertaken on the supplier's financial status. An overall pass /fail judgement will be made after considering areas such as turnover, profit, net assets, liquidity, gearing and capacity. This assessment will include the parent company where applicable. An independent financial assessment obtained from a reputable credit rating organisation may be utilised as part of this process.

#### **Criteria regarding the economic and financial standing of subcontractors (that may lead to their rejection)**

### **III.2.3. Technical and/or professional capacity**

#### **Criteria regarding the technical and/or professional ability of economic operators (that may lead to their exclusion)**

List and brief description of conditions:

- (a) in the case of a supply contract requiring the siting or installation of goods, a services contract or a works contract, the economic operator's technical ability, taking into account in particular that economic operator's skills, efficiency, experience and reliability;
- (c) a statement of the principal goods sold or services provided by the supplier or the services provider in the past 5 years, or during a shorter period if necessary, and:
  - (i) the dates on which the goods were sold or the services provided,
  - (ii) the consideration received,
  - (iii) the identity of the person to whom the goods were sold or the service were provided,
  - (iv) any certificate issued or countersigned by that person confirming the details of the contract for those goods sold or services provided, and
  - (v) where:
    - that person was not a contracting authority, and

— the certificate referred to in sub-paragraph (c)(iv) is not available, any declaration by the economic operator attesting the details of the goods sold or services provided;

(d) a statement of the technicians or technical services available to the economic operator to:

- (i) carry out the work under the contract, or
- (ii) be involved in the production of goods or the provision of services under the contract, particularly those responsible for quality control, whether or not they are independent of the economic operator;

(e) a statement of the economic operator's:

- (i) technical facilities, (ii) measures for ensuring quality,
- (iii) study and research facilities, and
- (iv) internal rules regarding intellectual property;

(f) a check carried out by the contracting authority or on its behalf by a competent official body of the member state in which the economic operator is established:

- (i) on the technical capacity of the economic operator, and
- (ii) if relevant, on the economic operator's study and research facilities and quality control measures;

(g) in the case of works contracts, services contracts or supply contracts also covering siting and installation operations or services, the economic operator's educational and professional qualifications where the economic operator is an individual and:

- (i) if any, those of the economic operator's managerial staff, and
- (ii) those of one or more persons who would be responsible for providing the services or carrying out the work or works under the contract;

(h) a statement of the services provider's or contractor's average annual number of staff and managerial staff over the previous 3 years;

(i) a description of the tools, material, technical equipment, staff numbers, know-how and sources of supply (with an indication of their geographical location when it is outside the territory of the EU) available to the economic operator to perform the contract, cope with any additional needs required by the contracting authority as a result of a crisis or carry out the maintenance, modernisation or adaptation of the goods covered by the contract;

(j) certification by official quality control institutes or agencies of recognised competence, attesting that the goods to be purchased or hired under the contract conform to standards and technical specifications (within the meaning of regulation 12(1)) identified by the contracting authority;

(k) in the case of contracts involving, entailing or containing classified information, evidence of the ability to process, store and transmit such information at the level of protection required by the contracting authority;

(l) a certificate:

- (i) attesting conformity to quality management systems standards based on the relevant European standard, and
- (ii) from an independent accredited body established in any member state conforming to the European standards concerning accreditation and certification;

(m) any other evidence of conformity to quality management systems standards which are equivalent to the standards referred to in subparagraph (n)(i).

The authority requires this information to evaluate technical capability sought through a formal pre-qualification questionnaire stage.

#### **III.2.4. Information about reserved contracts**

### **III.3. Conditions specific to services contracts**

#### **III.3.1. Information about a particular profession**

Execution of the service is reserved to a particular profession: no

### **III.3.2. Information about staff responsible for the performance of the contract**

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract: yes

## **Section IV: Procedure**

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### **IV.1. Type of procedure**

#### **IV.1.1. Type of procedure**

Restricted

#### **IV.1.2. Information about the limits on the number of candidates to be invited**

Envisaged minimum number 10

Objective criteria for choosing the limited number of candidates:

#### **IV.1.3. Information about reduction of the number of solutions or tenders during negotiation or dialogue**

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

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

The most economically advantageous tender in terms of Price is not the only award criterion and all criteria are stated only in the procurement documents

#### **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**

FCG/017

#### **IV.3.2. Previous publication concerning this procedure**

no

#### **IV.3.3. Conditions for obtaining specifications and additional documents or descriptive document**

Payable documents: no

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

22.1.2021 - 12:00

#### **IV.3.5. Estimated date of dispatch of invitations to tender or to participate to selected candidates**

15.2.2021

#### **IV.3.6. Languages in which tenders or requests to participate may be submitted**

English.

## **Section VI: Complementary information**

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

This is a recurrent procurement: no

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

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

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

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement. The authority reserves the right to amend any condition related to security of information to reflect any changes in national law or government policy. If any contract documents are accompanied by instructions on safeguarding classified information (e.g. a Security Aspects Letter), the authority reserves the right to amend the terms of these instructions to reflect any changes in national law or government policy, whether in respect of the applicable protective marking scheme, specific protective markings given, the aspects to which any protective marking applies, or otherwise. The link below to the Gov.uk website provides information on the Government Security Classification.

<https://www.gov.uk/government/publications/government-security-classifications>

Advertising regime OJEU: this contract opportunity is published in the Official Journal of the European Union (OJEU), the MoD Defence Contracts Bulletin and [www.contracts.mod.uk](http://www.contracts.mod.uk)

This requirement has been assessed as having a cyber risk level of Very Low and as such, suppliers must create an account to submit a Supplier Assurance Questionnaire (SAQ) at <https://supplier-cyber-protection.service.gov.uk/> The Risk Assessment Reference (RAR) code for this requirement is RAR-JPDQ37J6.

Suppliers must read through this set of instructions and follow the process to respond to this opportunity.

The information and/or documents for this opportunity are available on <http://www.contracts.mod.uk>

You must register on this site to respond, if you are already registered you will not need to register again, simply use your existing username and password. Please note there is a password reminder link on the homepage.

Suppliers must log in, go to your Response Manager and add the following access code:  
U4M49D2F8S

Please ensure you follow any instruction provided to you here.

The deadline for submitting your response(s) is detailed within this contract notice, you will also have visibility of the deadline date, once you have added the access code via DCO as the opening and closing date is visible within the opportunity.

Please ensure that you allow yourself plenty of time when responding to this opportunity prior to the closing date and time, especially if you have been asked to upload documents.

If you experience any difficulties please refer to the online Frequently Asked Questions (FAQ's) or the user guides or contact the MOD DCO Helpdesk by emailing [support@contracts.mod.uk](mailto:support@contracts.mod.uk) or Telephone 0800 282 324.

Go reference: GO-20201216-DCB-17518955

## **VI.4. Procedures for review**

### **VI.4.1. Review body**

Official name: MOD

Postal address: Abbey Wood

Town: Bristol

Postal code: BS34 8JH  
Country: United Kingdom  
Telephone: +44 1179132548

**VI.4.2. Review procedure**

**VI.4.3. Service from which information about the review procedure may be obtained**

**VI.5. Date of dispatch of this notice**

16.12.2020