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**Czechia-Prague: European GNSS Service Demonstrator (ESD)
2022/S 079-214089**

Prior information notice

This notice is for prior information only

Supplies

Legal Basis:

Regulation (EU, Euratom) No 2018/1046

Section I: Contracting authority

I.1) Name and addresses

Official name: European Union Agency for the Space Programme (EUSPA)

Postal address: Janovského 438/2

Town: Prague

NUTS code: CZ Česko

Postal code: 17000

Country: Czechia

E-mail: tenders@euspa.europa.eu

Internet address(es):

Main address: <https://www.euspa.europa.eu/opportunities/procurement>

I.3) Communication

Additional information can be obtained from the abovementioned address

I.4) Type of the contracting authority

European institution/agency or international organisation

I.5) Main activity

Other activity: Global navigation satellite services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title:

European GNSS Service Demonstrator (ESD)

II.1.2) Main CPV code

32000000 Radio, television, communication, telecommunication and related equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description:

The aim of the contract is to develop the European GNSS Service Demonstrator (ESD) providing a centralised platform for the demonstration of new and enhanced end-to-end European Global Navigation Satellite System (EGNSS) services. ESD shall:

- receive data from many sources (e.g. GNSS sensor station data) and rebroadcast data from many sources (e.g. satellite based augmentation system (SBAS) dual frequency multiple constellation (DFMC) data, high accuracy data);
- compute EGNSS data and corrections to provide a pre-operational DFMC SBAS open service (OS) signal (non-safety of life use) over Europe primarily;
- disseminate EGNSS data via many broadcast means (e.g. SiS via EGNOS GEOs, internet);
- provide engineering support services.

The contractor may be requested to develop additional kernels or integrate or interface with external kernels (e.g. kernel for high accuracy, authentication, emergency warning service, internet of things, OS navigation message authentication (OS-NMA) evolution).

II.1.5) **Estimated total value**

Value excluding VAT: 10 000 000.00 EUR

II.1.6) **Information about lots**

This contract is divided into lots: no

II.2) **Description**

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

38112100 Global navigation and positioning systems (GPS or equivalent)

II.2.3) **Place of performance**

NUTS code: CZ01 Praha

Main site or place of performance:

The main place of performance will be the contractor's premises. However, since such place is not known yet, the NUTS code refers to the place of establishment of the contracting authority.

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

This procurement is related to the European Space programme components EGNOS and Galileo.

The general aim of the contract to be signed as a result of this procurement procedure is the development of the European GNSS Service Demonstrator (ESD). The ESD will provide a centralised platform for the demonstration of new and enhanced end-to-end EGNSS services. To this end, the ESD shall deliver pre-operational EGNSS signals and data that can be easily and openly accessed by users with the appropriate

equipment to test the new/enhanced services in realistic conditions, validate the correct implementation of receiver interfaces and standards and anticipate and support the development of new applications.

EUSPA intends to sign a contract where, the contractor shall deliver an ESD that is expected to:

- receive data from various sources (e.g. GNSS sensor station data) and rebroadcast data from various sources(e.g. SBAS DFMC data, high accuracy data);
- compute EGNSS data and corrections by providing a pre-operational DFMC SBAS open service signal (for non-safety of life usage) over Europe primarily, and potentially over a part of Africa;
- disseminate EGNSS data via various broadcast means (e.g. SiS through EGNOS GEOs, internet);

The contractor may be requested to carry out additional activities such as:

- developing additional kernels or integrating or interfacing with external kernels (e.g. high accuracy kernel, authentication kernel, emergency warning service kernel, internet of things kernel, OS-NMA evolution kernel, etc.).

The scope of the procurement will also cover the provision of engineering support services.

The contract may involve access to, handling and/or storage of classified information, which is subject to the security rules for protecting EU classified information laid down in Decision (EU, Euratom) 2015/444 and to the Decision's implementing rules.

Facility security clearance will be required as well as personnel security clearances for contractor personnel handling classified information.

Special security obligations will be part of the contract (security aspects letter annexed to the contract).

Subcontracting will be subject to written prior agreement by the contracting authority and compliance with all the security rules by the subcontractor and its personnel.

II.2.14) **Additional information**

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

01/06/2022

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

Section VI: Complementary information

VI.3) **Additional information:**

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

12/04/2022