

Netherlands-Noordwijk: Observation satellites
OJ S 14/2024 19/01/2024
Prior information notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: European Space Agency
Postal address: Keplerlaan 1, Postbus 299
Town: Noordwijk
NUTS code: NL337 Agglomeratie Leiden en Bollenstreek
Postal code: 2201 AZ
Country: Netherlands
Contact person: Nadine Aouad
E-mail: nadine.aouad@esa.int
Telephone: +39 3346613595

Internet address(es):

Main address: <http://www.esa.int/ESA>
Address of the buyer profile: <https://doing-business.sso.esa.int/>

I.2. Information about joint procurement

The contract is awarded by a central purchasing body

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: Space Science Research and missions development

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Sentinel-1 Next Generation Phases B2/C/D/E1

II.1.2. Main CPV code

35631200 Observation satellites

II.1.3. Type of contract

Supplies

II.1.4. Short description

The Copernicus Space Component (CSC) has been established as one of the largest and most proficient Earth Observation infrastructures in the world with seven high-performance satellites at present in full operation.

In order to preserve the momentum in fulfilling user needs, the CSC evolution is being based on two pillars: stability and continuity as emerged from the user consultation process. They are particularly addressed in the considerations for the Next Generation of the current Sentinels providing enhanced continuity of initial observations, and the emerging and urgent needs for new types of observations addressed in the considerations for the Sentinel fleet expansion to the High Priority Candidate Missions (HPCM). Therefore, the development of the Sentinel-1 Next Generation (Sentinel 1NG) Space Component, providing enhanced continuity of initial first generation observations, is the response to the evolving user needs expressed in the user consultation process done by the EC.

II.1.5. Estimated total value

Value excluding VAT: 400 000 000,00 EUR

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.3. Place of performance

NUTS code: FR101 Paris

Main site or place of performance: Please note that ESA headquarters are in Paris, France. Technical meetings are expected to take place in other ESA locations.

II.2.4. Description of the procurement

The Sentinel-1 Next Generation Phases B2/C/D/E1, subject of this Procurement will guarantee the continuity from the first generation, therefore, dedicated to day-and-night monitoring of land, ice and oceans, and responding to Emergency Management services. With respect to the first generation, the Next Generation will provide enhanced performance and so improving the servicing to the existing applications, as well as enabling new services, related to: soil moisture, land cover mapping, crop type and status discrimination, forest type and forest cover (e.g. in support to biomass estimation), food security and precision farming, maritime surveillance, natural and anthropogenic hazards and the operational monitoring of the Cryosphere and polar regions including automatic sea ice mapping and land ice monitoring. The Payload will be based on a Synthetic Aperture Radar (SAR) in C-Band and will also have an Automatic Identification System (AIS) instrument in support to the achievement of mission maritime objectives by augmenting the SAR payload data for ship marine traffic applications. The Sentinel-1 Next Generation procurement comprises the development of an improved Synthetic Aperture Radar (SAR) imaging in C-Band and an Automatic Identification System (AIS) instrument, and their embarkation onboard and Manufacturing, Assembly, Integration and Test of the Spacecraft. It also includes all the activities necessary for potential embarkation of a Laser Communication Terminal (LCT) for payload data downlink via inter-satellite laser-link.

The following contractual mandatory options apply:

1. The Phase E1 of the first Spacecraft (i.e. PFM),
2. The manufacturing, assembly, integration and test (MAIT) of the recurrent spacecraft Flight Model (FM2) up to the confirmation of acceptance by the Agency, achieved at the corresponding Flight Acceptance Review (FAR); and
3. The development and delivery of the Spacecraft Simulator for Flight Operations.

II.2.14. Additional information

The Invitation to Tender (ITT) will be published on ESA Star. In order to access the ITT Package, Tenderers must be registered in esa-star as potential ESA suppliers. Any Tenderer, which is not yet registered with ESA as a potential supplier, must complete the online questionnaire in esa-star, <https://esastar-emr.sso.esa.int/>.

II.3. Estimated date of publication of contract notice

31/01/2024

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

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Further information on the registration process can be found in ESA's INDUSTRY PORTAL available at:

- http://www.esa.int/About_Us/Business_with_ESA/esa-star_open_for_business

- http://www.esa.int/About_Us/Business_with_ESA/How_to_do/esa-star_Registration_Process

Please note that esa-star allows two levels of entity registration: "Light" and "Full". This allows new users wishing to do business with ESA to carry out their registration in two steps. While "Light" registration will grant access to all esa-star services up to and including proposal submission, the award of ESA contracts requires "Full" registration.

VI.5. Date of dispatch of this notice

16/01/2024