

## i- CALL FOR TENDERS

**Call for Tenders No.:** CFT ECTL\_SRC\_220052

**Title:** Expert for Ionosphere monitoring data & post analysis

**General:** EUROCONTROL\* is an intergovernmental organisation with 41 Member and 2 Comprehensive Agreement States. We are committed to building, together with our partners, a Single European Sky that will deliver the air traffic management (ATM) performance required for the twenty-first century and beyond.

**Technical subject matter:**

The expert will provide technical support for the maintenance of the ionosphere, namely:

1. Data collection - performed by the successful tenderer. Once collected from existing and free-of-charge network of GNSS ground stations, raw data are formatted into daily RINEX and send to EUROCONTROL.
2. Data processing – performed by EUROCONTROL using the MATLAB-based GIMA tool. The output of the processing (detected ionosphere gradients) will be sent to the successful tenderer.
3. Manual Validation – performed by the successful tenderer. The output of this task (validated ionosphere gradients will be provided to EUROCONTROL for insertion into EUROCONTROL reports).

The way to exchange data will have to be agreed between EUROCONTROL and the successful tenderer. In the short-term (beginning of the contract), the exchange of a dedicated hard disk that is sent by mail between EUROCONTROL and the successful tenderer may be a suitable solution. In the mid-term, EUROCONTROL plan to migrate this activity onto the cloud and then data might be directly uploaded by the successful tenderer onto the cloud.

**Main selection, assessment and award criteria:**

<b>PASS/FAIL TECHNICAL CAPACITY CRITERIA</b>
Tenderer shall have past experience on the retrieval, collection and provision of GNSS RINEX data (task 1)
Tenderer shall have past experience on the analysis of ionosphere variation/behaviour (task 2)
<b>SCORING TECHNICAL ASSESSMENT CRITERIA</b>

### SUPPORTING EUROPEAN AVIATION

**Member States:** Albania, Armenia, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Republic of Moldova, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom.

**Comprehensive Agreement States:** Israel, Morocco.

Quality and clarity assessment of the technical proposal: clarity of the offer, description of the network of GNSS data to be used, description of the processing and storage capability, description of the ionosphere gradient manual validation.
Quality assessment of the profile suggested for the project and relevance of the past experience with the project:  1/Aviation and satellite navigation background;  2/Confirmed experience (at least 1 year) in software development with MATLAB;  3/High level of knowledge on the standards, requirements and conventions used for ICAO GNSS Local Augmentations Systems (GBAS).
Quality assessment on the data provision detailed in the technical offer: start date, network of ground station suggested, number of clusters and station, relevance of cluster, coverage versus latitude.
Quality assessment on the methodology of the ionosphere gradient manual validation.
Ability to work with computers and MS Office applications.

The economically most advantageous offer will be established in accordance with the following:

For the Technical tender, a weighting of 60% is applied, for the Financial tender, a weighting of 40%.

**Tender closing date:** 25-09-2022 at 15:00 CET

**Point of Contact:** If you wish to receive the Call for Tenders please see the “Important Notice” below and if you have any other related questions, please contact:

LEYS, David

DCF/AFS/PROC

E-mail: david.leys.ext@eurocontrol.int

Tel. : +32 2 729 9857

**If this Call for Tenders should interest you, please read the important information below:**

### **IMPORTANT NOTICE**

The full i-Call for Tenders documentation is in electronic format (.pdf).

If you wish to obtain the i-Call for Tenders documentation please read and follow carefully the instructions below:

1. If you are already registered in the EUROCONTROL Supplier Portal, you can search for this Call for Tenders, and its relevant documentation, in the “*View Active Negotiations*” section of the Supplier Portal.
2. If you are not yet registered as a EUROCONTROL supplier, please follow the process described on the following link: <https://www.eurocontrol.int/portal/new-supplier-portal>
3. EUROCONTROL accepts no responsibility whatsoever for the completeness, accuracy and/or timeliness of the transmission of the electronic documents (nor for the electronic documents themselves).
4. Submission of tenders shall be made electronically and shall be exclusively made in strict accordance with the instructions given in the tendering documentation.
5. You may:
  - a) print out the documents;
  - b) forward the documents further on a strictly need to know basis (always fully acknowledging the source, i.e. EUROCONTROL), and
  - c) use print-outs of the electronic i-Call for Tenders documents for the submission of tenders (especially the Price Offer Form ref: I-TSF-E).
6. You may not:
  - a) modify, edit and/or change the electronic documents other than to submit the required info and to sign/stamp where required;
  - b) transmit such documents to any third person who has no need to know them;
  - c) post such documents on any private or public website;
  - d) alter the originating source (EUROCONTROL) and or copyright signs etc., and
  - e) transmit the documents without indication of the source.

**An environmental notice:**

With a view to reduce the exponential growth of paper consumption, we would invite you only to print out electronic documents received and/or request paper copies of the price enquiry documentation if you are actually considering to submit a tender.