

## i- CALL FOR TENDERS

**Call for Tenders No.:** ECTL\_SRC\_240047

**Title:** Development of the EUROCONTROL Advanced Emission Model AEM release 2.6.2

**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 objective of this contract is to keep the EUROCONTROL AEM application up to date with the new environmental impact assessment methodologies recommended by ICAO CAEP, in particular with regard to the estimation of fuel flow, fuel burn, gaseous and particulate emissions in taxi segments of trajectories, in compliance with the SAE AIR 8035 guidance. Furthermore, the aim of contract is to enhance the EUROCONTROL AEM application with the EUROCONTROL PRU requirements to update the input errors handling.

### Main selection, assessment and award criteria:

TECHNICAL CAPACITY CRITERIA
Capacity to deliver in the area of C++ programming of scientific softwares, code optimisation and performance with sufficiently skilled resources.
Proven experience in developing aircraft traffic and performance models and tools
Proven capacity to work in English

TECHNICAL ASSESSMENT CRITERIA
Excellent level in C++ code programming, including performance optimisation, Win/Linux portage, application design
C++ scientific software programming
English work
Aircraft performance and air traffic modelling
Features of the modelling techniques presented

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%.

### 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.

**Tender closing date:** 07 June 2024 at 15:00 (Brussels time)

**Point of Contact:** Please see the “Important Notice” below and if you have any other related questions, please contact:

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**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.