

i- CALL FOR TENDERS

Call for Tenders No.: 20-210468-A

Subject: SESAR 2020 W2 P02 S04 – Evaluation of Advanced Curved Arrival and Departure Procedures

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.

Specific context: The purpose of the contract will be to support **Exercise 2 “Real Time Simulation of curved operation aspects in cockpit (V2)”** in PJ02-W2-04 which EUROCONTROL is leading.

The objectives of this exercise are:

- Assess optimisation of curved operations using GNSS vertical navigation in the TMA in all meteorological conditions
- Study the aspects of the transition from barometric to GNSS based vertical navigation
- Assess vertical performance of barometric versus geometric final approach procedures
- Assess the use of RF leg(s) during the departure phase, including meteorological and operational aspects, for example use of different turn radii immediately after departure
- Address Human Performance, Safety, Environment sustainability and fuel efficiency KPAs based on lessons learned during the V1 validation exercise
- Liaison activities with ICAO Instrument Flight Procedures Panel (IFPP)

Who should tender: The Contractor shall provide support to the simulations through personnel & equipment with the following requirements:

* EUROCONTROL – European Organisation for the Safety of Air Navigation
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, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom.



NETWORK
MANAGER



Demonstrated capacity to provide EASA certified LEVEL D flight simulator availability with indicated number of sessions of ideally all but at least 6 of the aircraft types listed in section 4.2 Table I of this technical specification. The offer shall demonstrate, without exception, ability to provide the first two aircraft types in Table I in which the barometric to geometric altitude switching will be implemented and evaluated. The proposal shall include a technical note describing how the altitude source switching will be implemented, taking into account the requirements stipulated in the Technical Specification, SESAR 2020 W2 PJ02-W2-04 WP4: Simulator Modification & Preparation.

Provision of aircraft databases with the coded arrival and departure procedures (designed in cooperation with EUROCONTROL experts) for all of the offered aircraft types. The proposal shall contain a list of aircraft with corresponding database types (and manufacturers) which shall be provided.

Provision of digital aircraft trajectory data recording during all the simulator sessions and in all the offered simulators. Digital data must contain at least latitude, longitude, barometric altitude, geometric altitude, flight level, indicated airspeed, true airspeed, groundspeed, vertical speed, aircraft bank angle, aircraft weight, aircraft thrust, wind direction, wind speed, outside air temperature at recording intervals of 2 Hz (0,5 seconds). It must be converted and delivered in CSV format. The proposal shall contain a list of data parameters which will be recorded on all aircraft types included in the proposal.

Provision of video recordings of the flown procedures. The video recordings must contain the Primary Flight and Navigation displays and the outside cockpit view. The proposal shall contain a list of the type of video recording material which will be offered.

Tender closing date: 26/10/2020 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:

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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, please send an e-mail to the Point of Contact mentioned above to get access to the documentation.
2. If you are not yet registered as a EUROCONTROL supplier, please follow the 4-step process described on the following link: <https://www.eurocontrol.int/portal/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.