EUROCONTROL
DIRECTORATE FACILITIES, CENTRAL ROUTE CHARGES OFFICE AND FINANCE
Rue de la Fusée 96, 1130 Brussels, Belgium
Tel. : +32 2 729 90 11 www.eurocontrol.int

i- CALL FOR TENDERS

Call for Tenders No.:	ECTL_SRC_260091
Title:	Human Factors for Higher Levels of Automation (HALO) project

General:

The Innovation for ANSPs – ATC Automation Domain was launched to support Member State ANSPs in Research and Innovation (R&I) activities related to ATC automation. Its ambition is to test and provide initial feasibility feedback and assessment of higher levels of automation for ATC, up to TRL4 level of technical maturity, with the objective of increasing ATCO buy-in and improving ATM performance.

The Transition Support Workstream of the ATC Automation Domain, under which the Human Factors Assessment for Higher Levels of Automation (HALO) project has been launched, addresses the legal, regulatory, safety and human factors aspects required to prepare ANSPs and ATCOs for the safe implementation of higher levels of automation in operation.

Higher levels of automation in ATC can improve capacity, flight efficiency, cost efficiency and ATCO workload management, but may also change the role of the ATCO from active executor to supervisory manager. This shift introduces HF/HP questions related to situational awareness, vigilance, cognitive workload, trust and reliance, skill retention, resilience and recovery, operational variability (e.g. degraded modes, abnormal situations, time pressure and multi-sector operations), and the integration of HF findings into system procurement and operational implementation.

The HALO project is intended to provide a comprehensive evaluation of human performance in highly automated ATC environments and to define practical recommendations so that the human element remains resilient, effective and supported as automation increases.

Technical subject matter:

The scope of this contract is limited to Phase 1: Baseline Review of the HALO project. The Contractor shall conduct a structured baseline review of existing HF/HP findings relevant to higher levels of automation in ATC, including SESAR projects such as STRESS,

AUTOPACE and HAIKU, relevant SESAR HP assessment material, NextGen/FAA/NASA research, operational incident data and ATCO reports where accessible, and relevant evidence from other safety-critical domains.

Later project phases, including scenario definition, HITL simulations, mitigation development, HF requirements framework development and validation/dissemination, are provided as contextual information only and are not included in the firm scope unless explicitly activated as optional/ad-hoc work by EUROCONTROL.

Main selection and assessment criteria:

TECHNICAL CAPACITY CRITERIA
The Tenderer must have a minimum of 10 years of experience in all of the following areas: HF/HP assessment, human-automation interaction, human-machine teaming, safety critical systems and ATC/ATM research
The proposed project team must have a proven minimum 10 years of experience in HF/HP, cognitive engineering, ATM/ATC, automation, AI/HMI, simulation and research synthesis

TECHNICAL ASSESSMENT CRITERIA
Organisation of the service provision and understanding of the key needs of the Tender (M)
Competence/skill, compliance of the Tender with the requirement of the Call for Tenders: minimum 10 years of proven experience in the required areas of expertise (M)
Competence/skill, compliance of the Tender with the requirement of the Call for Tenders:Professional expertise and qualification of assigned key staff (M)
Competence/skill, compliance of the Tender with the requirement of the Call for Tenders: Minimum level in English –B2 as defined by Common European Framework of Reference for Languages (CEFR) of the Council of Europe (M)

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

For the Technical tender, a weighting of 50% is applied, for the Financial tender, a weighting of 50%.

Tender closing date:

14 September 2026 at 15:00 Brussels time

Point of Contact:

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

YERMOLENKO, Sofiia
DCF/PROC
E-mail: sofiia.yermolenko.ext@eurocontrol.int
Tel.: +32 2 729 3825

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 printouts 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.