



**Satellite Navigation in Africa Support Programme
III**

Joint Programme Office (JPO)

Vacancy Notice

N° JPO/R0/HR/2022/VAC/GAE01

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GNSS Applications Expert

Revision 1.2

(New Extension of application deadline)

1. Position information

Position title	GNSS Applications Expert
Vacancy notice	N° JPO/R0/HR/2022/VAC/GMA01
Duty station	Dakar, Senegal
Application deadline	30/11/2022 Extended up to 15/01/2023
Date for entry in duty	Early 2023
Eligibility	National of African Union member States <u>Eligible to be a resident and obtain a work permit in Senegal</u>
Special notice	"Satellite Navigation in Africa Support Programme III" is supporting gender equality, and women and girl's empowerment. Female candidates are strongly encouraged to apply for the position.

2. Satellite Navigation in Africa Support Programme III

The objective of the Programme "Support to Satellite Navigation in Africa - III", co-funded by the European Union (EU) and the Agency for Air Navigation Safety in Africa and Madagascar (ASECNA) is to consolidate the development satellite-based augmentation services (SBAS) and the adoption and use of global navigation satellite services (GNSS) in Africa.

This objective is broken down into two (02) components:

- Component I:
Technical support and capacity building to regional/continental stakeholders to accelerate and facilitate the development of the regional modules and the integration of SBAS in continental planning and policies
- Component II:
Support the adoption of GNSS services and the development of related applications across Africa, including those based on European programme Galileo

The achievement of the Programme objective, its expected results and the performance of its related activities, are entrusted to a Pan-African project team of experts, the SatNav-Africa Joint Programme Office (JPO), which office is hosted by ASECNA in Dakar, Senegal.

The main beneficiaries of the Programme include the African Union Commission (AUC) and its specialised agencies (including the African Civil Aviation Commission (AFCAC) and the African Space Agency), the International Civil Aviation Organisation (ICAO), the Arab Civil Aviation Organisation (ACAO), the Regional Economic Communities, Air Navigation Service Providers (ANSPs), Airport Operators, and Airlines.

Beneficiaries also include other sectoral organisations in sectors such as agriculture, maritime, geospatial, automotive, rail, Location Based Services (LBS), drones, and Internet of Things (IOT).

The end-user beneficiaries include the air transport and other sectors users and African citizens in general who will benefit from the positive economic and environmental impact of improved safety, cost reduction, lower carbon emission, connectivity increase, job creation, etc.

The governance of the Programme is provided through a Steering Committee, co-chaired by the African Union Commission and the European Commission and made up of representatives from the beneficiary institutions.

The Programme is seeking to recruit an expert on GNSS applications.

3. Major duties and responsibilities

The incumbent will contribute to the implementation of the Programme to achieve its objective and expected results, by providing specialised expertise in the field of satellite navigation applications.

He/she will act as GNSS Applications Expert within the JPO, under the guidance of Head of Adoption and Market Development.

He/she will interact with all the other members of the JPO team as well as with external organisations concerned with the implementation of the Programme.

The main responsibilities for the position will include:

1. Contribute to the planning of and undertake sectoral studies on GNSS/SBAS applications (sectoral surveys, needs analysis, modelling, impact analysis, project concepts, business planning, etc.)
2. Contribute to the development of a dashboard to monitor GNSS/SBAS applications development in identified markets segments and recommending actions
3. Undertake the technology and sector watch, and research activities, in these domains
4. Undertake the development of users' communities and monitors sectoral needs and trends on technology
5. Undertake the formulation of applications requirements and develop projects concepts on GNSS/SBAS sectoral applications
6. Undertake/organise activities (hackathons, mentoring, coaching, etc.) towards application developers and project holders
7. Undertake the development of collaborative platforms for applications and market development
8. Contribute to GNSS industrial and academic cooperation activities, from the applications perspective
9. Contribute to the GNSS promotion, capacity building and communication activities, from the applications perspective

10. Qualifications and experience

Education :

Essential :

- Master's degree in Engineering

Desirable:

- Degree in applied Economics or Finance

- Degree in space applications (GNSS, Earth Observation, telecommunication)

Professional experience:

Essential:

- Experience in technical development or business development of products/solutions

Desirable:

- Three (3) years or more of professional experience on application development in the field of transports & logistics, agriculture, geoinformation
- Knowledge of space applications (GNSS, Earth Observation, telecommunication)

Languages:

Essential:

- French, CECL¹ C1 level
- English, CECL B2 level

Applications Development:

Essential:

Ability to:

- develop and organise detailed projects concepts
- undertake detailed studies on sectoral applications and develop models
- analyse the market and the user/operational needs and identify how the needs can be met by GNSS, Earth observation and other space applications
- build and manage networks of users and organise consultation platforms
- manage research and innovation projects on innovative applications and user technology
- generate and deliver reports that provide useful insight into sectoral technologies and applications

Highly organized and detail-oriented with a passion for ensuring projects proceed efficiently and effectively

Digital:

Essential:

- Advanced experience in using computers, including latest digital communication and document production tools (office software, VoIP software, ...)
- Advanced skills with advanced digital content (text, tables, database, ...) production
- Advanced skills in data processing tools
- Advanced skills in modelling and development languages and software (UML, Visual Basic, C, C++, Python, Matlab, etc.)
- Advanced skills in applications development languages

¹ Cadre européen commun de référence pour les langues

- Advanced skills with Project Management Software Tools (Microsoft Project or similar), and database Management (Excel, SQL, Access, PowerBI or equivalent)

11. Competencies

Ability:

- to demonstrate professional competence and mastery of subject matter, to work autonomously and confidentially, to be results driven, to make realistic commitments, to meet deadlines, to show persistence when faced with difficult situations or challenges, and to work under stressful situations
- to work in a multicultural environment, to work collaboratively with colleagues to achieve project goals, to solicit input by genuinely valuing others' ideas and expertise, to share credit for team accomplishments, and to accept joint responsibility for team shortcomings
- to speak and write clearly and effectively, to exhibit interest in having two-way communication, to address a wide audience, and to be eager to share information and to keep people informed.
- to take ownership of all responsibilities and honour commitments, to deliver outputs within prescribed time, cost and quality standards, and to operate in compliance with organisational regulations and rules.

12. Conditions of employment

Applications are opened to nationals of the African Union member States.

The post is to be filled on a fixed-term basis. It may include a probation period of three (03) months.

Remuneration will be defined in accordance with the conditions applicable to the Programme and depending on the experience of the incumbent.

The type of employment contract may differ according to the status of the incumbent. This can include temporary contract through an employment agency.

13. Process of selection of candidates

Selection of candidates will be compiled, based on assessment of the applications received. The short-listed candidates will be then invited for interviews through web-conference or in-situ as applicable.

14. How to apply

Interested candidates must complete an application dossier which shall include:

- Curriculum Vitae (CV)*
- Motivation letter
- Passport copy
- Certified copies of diploma(s) and certificate(s)
- Recommendation letter(s) (optional)

The CV shall be completed using the template available here:

http://europass.cedefop.europa.eu/sites/default/files/ecv_template_en.doc

Note:

Instructions for filling the CV can be found here:

http://europass.cedefop.europa.eu/sites/default/files/europass_cv_instructions_en.pdf

Example of filled CV can be found here:

<http://europass.cedefop.europa.eu/sites/default/files/cv-example-1-en-gb.pdf>

Applications dossier shall be submitted electronically, by not later than January 15, 2023 (18:00 UTC) to: vacancy@satnav-africa.com

The Satellite Navigation in Africa Support Programme III reserves the right not to uphold the present vacancy notice.

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