

## Contact Information

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# SUMMARY

ICAO Navigation System Panel (NSP)  
AATO General Assembly  
Africa – Europe Alliance for Sustainable Investment and Jobs  
APIRG 22 meeting  
Makerere University Advances in Geomatics Research Conference  
EAC, COMESA and SADC Tripartite meeting  
ESSP Workshop  
ASECNA SBAS phase B Demonstrations  
ASECNA 60th Anniversary Celebrations A  
FRICA at the Satellite Navigation regime  
Rockwell Collins symposium for aviation  
JPO organises High Level workshop in Accra Ghana  
Procedures and Design Process for PBN Airspace training

# JPO NEWS

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EGNOS in AFRICA Support Programme

Satellite Navigation Services for African Region

## Editorial

This newsletter focuses on some of the key events to which JPO did contribute from July to December 2019. During this period, JPO participated in various events including the ICAO Navigation System Panel (NSP) meeting, the 22nd AFI Planning and Implementation Group (APIRG) meeting, the European Satellite Service Provider (ESSP) annual workshop, the 3rd General Assembly of the Association of African Aviation Training Organizations (AATO), the EAC, COMESA and SADC Tripartite meeting and the ASECNA 60th Anniversary celebrations among others. JPO participated at all the events in support to African States on their SBAS programmes, initiatives and plans, raising awareness of GNSS, SBAS and EGNOS in particular, building capacity and synergies as well as promoting best practices.

JPO is looking forward to continuing the provision of this support and update in its activities during the new year and takes this opportunity to wish all readers a happy and prosperous 2020

## ICAO Navigation System Panel (NSP)

### *JPO participates at the ICAO Navigation System Panel (NSP) meeting.*

JPO attended the ICAO Navigation System Panel meeting that was held from 1st to 4th July 2019 in Tokyo, Japan with the objective of supporting ASECNA in its contribution to the development of GNSS Standards and Recommended Practices (SARPS) as well as Minimum Operational Performance Standards (MOPS) for Dual Frequency Multi Constellation (DFMC) SBAS operation concepts.

During the four days, 36 working papers and 7 information papers were examined on topics related to, Core constellations, including SBAS, the regional systems status, DFMC SBAS operational concept, service area message, L1 SBAS receiver design space, authentication including the concept of operation for authentication, Key Performance Indicators, technical solutions for authentication and key distribution, testbed activities, performance monitoring, GNSS related publication in the Aeronautical Information Publication (AIP). Interference mask.

JPO contributed to the discussions of the GNSS SARPs Working Group (GSWG) and took the opportunity to build knowledge on the working procedures of the ICAO NSP panel as well as the status of the SARPs of different constellations and regional systems.

## AATO General Assembly

### *JPO attends the 3rd General Assembly of the Association of African Aviation Training Organizations (AATO).*

The Ghana Civil Aviation Authority in cooperation with the Association of African Aviation Training organizations (AATO) council organized the third General Assembly of the AATO in Accra, Ghana from the 28th to the 30th of October 2019, at the Ghana Civil Aviation Training Academy (GATA). The theme of the General Assembly was "Human Capital Development and Technology: Strategic Tools towards the Single African Air Transport Market."

The assembly was preceded by the council meeting in which the JPO was invited as an observer. During this meeting, new council members were elected while the second and third day were dedicated to the assembly deliberations and panel sessions.



AATO General Assembly Group Photo

# Africa-Europe Alliance for Sustainable Investment and Jobs

*JPO participates at the final session of the Africa – Europe Alliance for Sustainable Investment and Jobs.*



The Final session of the Africa-EU Alliance on transport was held on the 25th of July 2019 in Brussels, Belgium with the objective of reviewing and endorsing the outcomes of the reports developed by the three clusters; aviation, connectivity and road safety. The meeting, which was organized in plenary and working group sessions under the co-chairing of the European Commission (EC) and African Union Commission (AUC), was also attended by representatives of various organizations including but not

limited to ICAO, UNECA, World bank, African Development Bank, Transport Ministries and Civil Aviation Authorities of different States, Airlines, to mention but a few.

JPO attended the session with the purpose of supporting the consideration of satellite navigation and the institutionalization of the JPO in the final report of the Africa-EU Alliance Task Force on Transport and Connectivity. JPO also used the opportunity to hold consultations with EC on the outcomes of the panel discussions

## APIRG 22 meeting

*JPO attends the AFI Planning and Implementation Regional Group (APIRG) 22nd meeting.*

The 5th Meeting of the AFI Regional Aviation Safety Group (RASG - AFI/5) was held at the Movenpick Ambassador Hotel in Accra, Ghana, from 29th July to 2nd August 2019, in conjunction with the 22nd meeting of the AFI Planning and Implementation Group (APIRG/22) which took place at the same venue. The meetings were attended by 217 participants from AFI States, Regional/International Organizations and Industry.

A joint meeting was held where discussions focused on the cooperation between the two groups in accordance with the provision of the APIRG and RASG-AFI Procedural Handbooks and the terms of reference approved by the ICAO Council for PIRGs and RASGs. The joint meeting discussed also the implementation of Regional Safety and Air Navigation Targets as well as the Single African Air Transport Market (SAATM) Prioritized Action Plan.

## Makerere University Advances in Geomatics Research Conference

*JPO participation at the Makerere University GNSS workshop and Advances in Geomatics Research Conference.*



The Makerere University College of Engineering, Design, Art and Technology (CEDAT) on August 1st - 2nd 2019, hosted the fifth Advances in Geomatics Research Conference, a two-day event that attracted a number of attendees from Africa and the rest of the world. The conference, held under the theme "Geomatics for Development"

built on the previous four conferences held in 2011, 2013, 2015 and 2017. It was organised for the sole purpose of giving participants the opportunity to share their work on how they have appropriated different Geomatics perspectives in addressing the current development challenges faced as a region.

JPO delivered presentations at the conference, raising awareness about the office, its activities and achievements as well as the results of the JPO AUC survey that it conducted on the status of Satellite navigation and positioning infrastructure, technologies and applications in Africa. JPO also delivered a presentation on the benefits of SBAS in aviation using the aviation field trials that were carried out during the MAGNIFIC project in 2016.

## EAC, COMESA and SADC Tripartite meeting

*JPO participates in the Second Tripartite Sectoral Ministers on Infrastructure (EAC, COMESA and SADC) meeting.*

The 2nd Meeting of the Tripartite Sectoral Ministerial Committee on Infrastructure (TSMCI) of the COMESA-EAC-SADC Tripartite was held in Lusaka at the COMESA Secretariat from 28th to 30th of October 2019. The Objective of the meeting was to consider the status of implementation of the Infrastructure Development Pillar programmes and to make policy recommendations to the Tripartite Council of Ministers (TCM) on the sub-sectors which include Transport, ICT, Energy and Water. The main theme of this 2nd

Meeting was 'Deepening COMESA-EAC-SADC integration.'

JPO was invited to attend the meeting as an external organisation and delivered a presentation on the Eastern Africa EGNOS implementation status and way forward. Through this, JPO was able to raise awareness about the EGNOS project towards the decision makers in EAC, COMESA, SADC member States in addition to the RECs Secretariats.



JPO Director Mr. Semou Diouf (L) and GNSS Programme Manager Mr. Moustapha Boukary at the APIRG Meeting

## ESSP Workshop

*JPO participates in the European Satellite Service Provider (ESSP) Annual workshop*



JPO Director Mr. Semou Diouf and GNSS Operations Expert

The EGNOS Annual Workshop 2019, held at the ASI (Italian Space Agency) in Rome on the 24th and 25th of September 2019, brought together entrepreneurs and SMEs, along with business and public sector professionals from industry to share remarkable EGNOS implementation examples in every domain (Aviation, Rail, Maritime, Survey, Mapping, Agriculture). It was also the opportunity to learn more about how European Satellite Navigation programmes are tackling the high-

speed growth of market penetration, as well as the maturity and stability offered by the EGNOS services to European users.

The workshop which was organised by the European GNSS Agency (GSA) and ESSP was attended by approximately 200 participants from 38 different countries. A notable milestone that was celebrated at the workshop was the 10-year anniversary of the EGNOS Open Service.

## Preparation workshop for the ASECNA SBAS phase B Demonstrations

*JPO attends the preparation workshop for the ASECNA SBAS phase B Demonstrations.*



Group Photo of the Preparation workshop

ASECNA (L'Agence pour la Sécurité de la Navigation Aérienne en Afrique et à Madagascar) is currently implementing Phase B studies within the framework of its SBAS ASECNA Programme. The studies are being conducted by a consortium led by Thales Alenia Space. Among the activities planned for this phase are demonstrations covering aviation and non-aviation domains to raise awareness and showcase the added value of SBAS to stakeholders.

In light of the above, a workshop was held at the ASECNA Direction of studies and projects, Almadies, Dakar from 4th to 8th November 2019 to prepare and setup the demonstrations as well as consolidate the scenarios of demonstrations and obtain inputs from participants.

## ASECNA 60<sup>th</sup> Anniversary Celebrations

*JPO attends the 60th Anniversary of the cooperative air navigation services established in Africa through the ASECNA.*

The Celebration of the 60th Anniversary of ASECNA (L'Agence pour la Sécurité de la Navigation Aérienne en Afrique et à Madagascar) took place on 11th and 12th

December 2019 in Dakar Senegal. The event, whose theme was "ASECNA, sixty years of cooperation," was attended by Ministers of member States, former and current Director Generals and Directors of

the agency, technical and institutional partners like the International Civil Aviation Organisation (ICAO) and the African Civil Aviation Commission (AFCAC), industry stakeholders and supplier counterparts, among others. The EGNOS in Africa Office (JPO) which has been in collaboration with ASECNA since the office's inception in 2013 was also in attendance.

During the event, the ministers in charge of Civil Aviation of the ASECNA member States, constituting the supreme organ of ASECNA, signed a declaration reaffirming their commitment to the founding principles of solidarity, equality, equity, partnership and the pooling of resources for aviation development and sustainability. A notable item of the declaration was the commitment of the States to develop new services for the Air Navigation Service Providers (ANSPs) of the African Union Member States.



High Level Panel at the ASECNA 60th Anniversary Celebrations



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