



Seychelles Civil Aviation Authority and ASECNA joining efforts towards the provision of augmented satellite navigation services in Africa and Indian Ocean through the development of the ANGA programme

December 2024 - SCAA (Seychelles Civil Aviation Authority) and ASECNA (Agency for Air Navigation Safety in Africa and Madagascar) recently signed a cooperation agreement on the development satellite navigation and on the provision and use of SBAS (Satellite-based augmentation services) through the ANGA (Augmented Navigation for Africa) programme.

The Agreement was signed by Mr. Colin Chang Tave on behalf of SCAA and Mr. Guelpina Ceubah on behalf of ASECNA.

This signature comes at an important time when the Civil Aviation Authority in Seychelles is undergoing a historical transformation, separating its regulatory functions from operations of the airport. This makes the Agreement quintessential in ensuring that the country has a pool of partners as it transitions into a new phase in its aviation development journey.

The ANGA programme aims to provide SBAS services throughout the AFI (Africa and Indian Ocean) region to increase the positioning performance of the GPS and GALILEO constellations. The accuracy, down to the order of a meter, integrity, availability, and continuity of positioning services are improved and guaranteed for the most advanced navigation applications, especially those critical in terms of safety. ANGA services will strengthen air navigation operations, improve flight safety and efficiency, reduce their environmental impact, and open-up airports in isolated regions. They will also allow the development of applications in other sectors of the economy, such as agriculture, maritime and road transport, or cartography, to name just a few of them.

SCAA got involved in the programme almost two years ago, following a conference in Madagascar attended by senior officials from the Authority. Following this, robust consultations took place to establish the feasibility of installing ANGA equipment here in Seychelles to enable the system to operate and achieve its intended objective. With the signature of the Agreement Seychelles becomes one of the latest countries in the region to commit itself to ensuring safer skies over Africa, congruent with the aspirations of the 2063 AU Agenda.

Through the signed cooperation agreement, SCAA and ASECNA are joining their efforts towards, inter alia, the provision of ANGA services in the Seychelles FIR (Flight Information Region), the hosting and operation of a NRS (Navigation Reference Station) of the ANGA system on Mahe Island and the joint promotion and support to the adoption of ANGA services in Africa.

“SCAA recognizes and appreciates the benefits that this would bring to the aviation community in Seychelles to improve flight safety and efficiency, and reduce environmental impact, for all phases of flight. This technology will also enable the provision of an open positioning service for mass market applications, beyond aviation, with the possibility of additional benefits to the Seychelles economy in many other areas”, declared

Ms. Esmee Samson, General Manager of Air Navigation Services of SCAA, who witnessed the signature of this pivotal agreement.

“The signature of this cooperation agreement marks an important milestone towards to the development of ANGA, the navigation solution by Africa for Africa, which will enhance air navigation safety and efficiency and reduce environmental impact for the benefit of the entire continent, in line with the continental vision for the unification of the African Sky. It demonstrates the ability of Africa to embrace the latest innovative and enabling technologies, for the greater benefit of inclusive economic and social development.” stated Mohamed Moussa, Director General of ASECNA.

Airlines flying in the AFI airspace will benefit from the ANGA services from 2028/29 to strengthen all-weather operations through enhanced navigation capabilities from en-route down to precision approaches operations, equivalent to existing ILS (Instrument Land Systems), and improved airport accessibility. The economic net present value of the use of the SBAS services by airlines in Africa over the next 20 years has been forecasted by a study of the African Union Commission to more than 280 million USD, with a reduction of Co2 emissions amounting to 1,4 million kg of Co2.

The ANGA programme is recognised by the ICAO (International Civil Aviation Organisation) and is a key enabler for the African Union Space Policy and the Single African Air Transport Market flagship programme. It contributes to position Africa in the global satellite navigation value chain as a provider of high value-added services.

About Seychelles Civil Aviation Authority (SCAA)

The Seychelles Civil Aviation Authority (SCAA) was established under the Seychelles Civil Aviation Authority Act, 2005, as an administrative and financial body corporate to provide for the services, facilities and regulation of civil aviation activities in Seychelles, consistent and in accordance with national and international standards.

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About Agency for Air Navigation Safety in Africa and Madagascar (ASECNA)

ASECNA is an International public organisation. Its main mission is to provide air navigation services within an airspace of 16,500,000 square kilometers, divided into seven flight information regions (F.I.R) as defined by the International Civil Aviation Organisation (ICAO). ASECNA also develops solutions for airport management, aviation infrastructure studies and construction, equipment maintenance, calibration of air navigation instruments and training for civil aviation staff. Its 19 Member States are: Benin, Burkina Faso, Cameroon, Central African Republic, Comoros, Congo, Côte d'Ivoire, France, Gabon, Guinea Bissau, Equatorial Guinea, Madagascar, Mali, Mauritania, Niger, Rwanda, Senegal, Chad and Togo.

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