

## NEWSLETTER-THIRD QUARTER 2018

The hereby newsletter is a summary of the latest achievements

### A SUMMER SEASON FOCUSED ON INTERNATIONAL MARKETS

**CAMBODIA - CGX AERO HAS CARRIED OUT FOR CAMBODIA AIRPORTS, THE AIRPORT OPERATOR OF THE MAIN 3 AIRPORTS IN CAMBODIA, A TECHNICAL STUDY RELATED TO CODE E AIRCRAFT ACCOMMODATION AT PHNOM PENH INTERNATIONAL AIRPORT**



This study has been covering in particular the following topics:

- ❑ General infrastructures compatibility with code E aircraft on the runway, taxiways, apron (pavement dimensions and strength, distance to obstacles, ...)
- ❑ Verification of aircraft manoeuvring capabilities on runway turn pads, fillets, inbound/outbound paths on apron, restrictions on adjoining stands...
- ❑ Verification of code E aircraft impact on protection surfaces while taxiing or parked
- ❑ Verification of PAPI and ILS location for reference aircraft (B747-400)
- ❑ Adequacy of RFFS level

Every noncompliance raised has been provided with a proposal in order to assist Cambodia Airports for the development of Phnom Penh International Airport infrastructures.

In addition to this technical study, a 4-day workshop designed for Cambodia Civil Aviation Authority has focused

on various topics such as airport general knowledge, ICAO Annex 14 or an introduction to airport operations.

This first project for Cambodia Airports has led to a similar technical analysis for Antonov 124 accommodation (code F aircraft).

**IVORY COAST: GX AERO HAS PERFORMED IN PARTNERSHIP WITH EOLANE (LEADER IN THE MAINTENANCE OF THE ILS IN FRANCE) A FEASIBILITY STUDY FOR THE IMPLEMENTATION OF AN ILS CAT I ON KORHOGO AND SAN-PÉDRO AIRPORTS.**

Therefore, CGX AERO has :

- ❑ Carried out an infrastructure audit (runway and taxiway) based on ICAO Annex 14,
- ❑ Defined the location of the ILS equipment (Glide Path and Localizer) appropriate to comply with the regulation,
- ❑ Prepared a feasibility study to implement ILS CAT I procedures with an estimate of the operating minima based on an on-site obstacle data survey.



View from CGX Data4Flight® software

The association of our two entities expertise has made possible the provision of, within a limited timeframe, the decision-making elements required to complete the project.

## CROATIA – THE CIVIL AVIATION AUTHORITY VALIDES THE RNP-AR TRAJECTORY DESIGNED BY CGX FOR DUBROVNIK AIRPORT

Early September CGX AERO received the confirmation that the RNP-AR procedure in runway 30 has been approved by the Croatian Civil Aviation Authority.

This is the first direct and stabilized approach allowing to serve runway 30 while respecting strong constraints in terms of environmental obstacle but also of airspace with the nearby Montenegro border. This trajectory also reduces the approach time from 20min to 7min compared to the current visual trajectory, allowing fuel savings for the airlines.



View from GéoTitan® software solution

Dubrovnik airport has experienced a rise in traffic for several years and this new trajectory should enable it to ensure a reliable and optimized traffic management.

CGX AERO has supported Dubrovnik Airport from end to end on this trajectory project, starting with the initial concept definition until the approval records and including specific obstacle survey.

This trajectory will be published next December.

## TANZANIA – SINCE 2013, TANZANIA CIVIL AVIATION AUTHORITY (TCAA) IS USING CGX SOFTWARE GÉOTITAN®, THE INSTRUMENT FLIGHT PROCEDURE DESIGN EXPERT SOFTWARE...

Recently, TCAA move a step forward in the AIM implementation by integrating DATA4flight® & CHART4Flight® with GéoTITAN® in order to produce IFP codings and associated charts. Such chain allows the designer to prepare safe and reliable materials to be published by the AIS. Beyond the initial training held in 2013, TCAA set up a strong and efficient refresher course program for its staff in order to ensure them a state-of-the-art skill level and exchange with foreign experts. This program is supported in parallel by long-term maintenance of the software, ensuring an adherence to the latest regulation standards and industry practice.

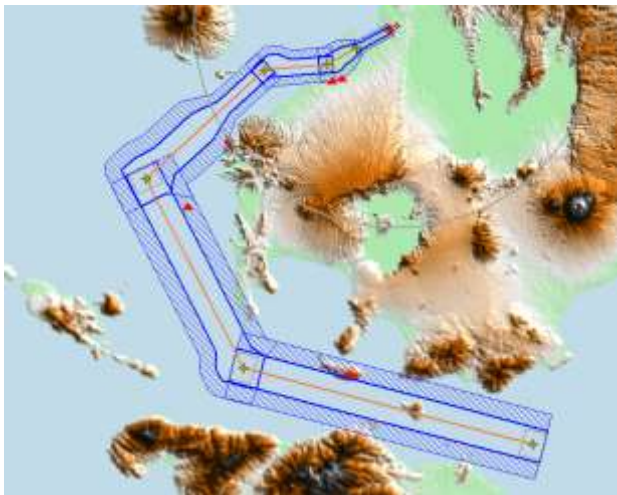
This refresher training took place in Dar Es Salaam from 16th to 20th July 2018. One expert from CGX came in the TCAA headquarter to show the best practice and to assist the designers to use the software on their real use case. Cartographers were also invited to this training and were invited to draft the possibilities of a new process between designers and cartographers, data oriented and ensuring the data integrity for the aeronautical publication.



## ALGERIA - CGX SUPPORTS ALGERIAN NATIONAL ESTABLISHMENT OF AIR NAVIGATION IN ITS AIS-TO-AIM TRANSITION

The National Establishment of Air Navigation (ENNA) in Algeria as trusted CGX for the supply, installation and commissioning of a PANS-OPS flight procedure design system.

CGX GéoTITAN® and Data4Flight® software solutions will provide ENNA with a solid and reliable foundation for the AIS-To-AIM transition.



View from GéoTitan®

The Data4Flight® solution along with its extensions (Chart4Flight®, Airspace4Flight®, GroundValidation4Flight® and Obstacle Assessment) will definitely be a real support for the management, manipulation, modification and validation of aeronautical data in accordance with ICAO requirements (Annexes 14, 15, etc.).



## PORTUGAL – SUPPLY AND DELIVERY OF AERONAUTICAL DATA QUALITY SYSTEM TO PORTUGUESE ARMED FORCES

After the Sri Lanka project, CGX and its partners, continue their momentum and strengthen their collaboration by winning a project to implement an Aeronautical Data Quality system for the Portuguese Air Force.



CGX will provide the aeronautical information management system (AIM) including the Data4Flight®, Chart4Flight® software and the GéoTITAN® connector in addition to the integration of existing licenses.

All solutions delivered will be integrated into the EAD (European Aeronautical Information Services Database).