



African Flight Procedure Programme

AFPP ACTIVITY REPORT, 2016, 3rd Quarter

The objective of this paper is to report on the activities of the African Flight Procedure Programme (AFPP) during 3rd Quarter of Year 2016 and provide highlights of 2016 AFPP programme of activities.

AFPP MEMBERSHIP

Angola, Botswana, Burkina Faso, Cabo Verde, Cameroon, Chad, Comoros, Congo, Cote d'Ivoire, Djibouti, DRC, Gabon, Gambia, Ghana, Guinea, Guinea Bissau, Guinea Equatorial, Kenya, Madagascar, Mali, Mauritania, Mozambique, Niger, Nigeria, Senegal, Sierra Leone, Tanzania, Togo, Uganda and Zimbabwe.

	total	APS	US	Pending APS	Pending US	Last signature
2016, Q2	30	26	4	1		Chad and Guinea Equatorial
2016, Q3	30	26	4	2		

Roberts FIR (in name of Guinea, Liberia and Sierra Leone) and Zambia have expressed interest to join the AFPP as APS.

PROGRAMME ACTIVITIES, 3RD QUARTER 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
ASSISTANCE TO STATES				
National PBN Implementation Plan	<p>Gabon and Mali Assistance to Gabon and Mali CAAs started in 2015 for consolidation and finalization of draft copy of their National PBN Plan. Follow-up conducted with respective authorities. Plans in signature process by the respective CAA DG. Plan for Gabon was finalized and submitted to ICAO WACAF Office on September 2016. Plan for Mali is still under development to be submitted to ICAO Regional Office by the end 2016. <u>Outcomes:</u> National PBN Plan developed and submitted to ICAO WACAF Regional Office by end 2016.</p>	2 nd Quarter, 2015	On-going	4 th Quarter, 2016
	<p>Cameroon In order to consolidate and finalize the National PBN Implementation Plan of Cameroon, AFPP participated to the 1st meeting of the National PBN Committee, on 7-9 June 2016 in Yaoundé, Cameroon. Draft copy of the Plan was developed to be consolidated for CCAA DG signature by end of 2016. <u>Outcomes:</u> National PBN Plan developed and submitted to ICAO WACAF Regional Office by end 2016.</p>	Added to 2016 Work Programme	On-going	4 th Quarter, 2016
	<p>Congo, Guinea and Sao Tome After 3-day workshop conducted on request and in collaboration with ICAO WACAF Office, Congo, Guinea and Sao Tome and Principe CAA representatives attended to workshop, Congo and Guinea to finalize and consolidate the Draft Plan and Sao Tome and Principe to develop the Plan. Facilitation provided by AFPP experts, conducted in French. <u>Outcomes:</u> National PBN Plan developed and submitted to ICAO WACAF Regional Office by end 2016.</p>	Added to 2016 Work Programme	On-going	4 th Quarter, 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
Instrument Flight Procedures Implementation Process (conventional and PBN)	<p>Djibouti Training for Djibouti Airport and Civil Aviation Authority to finalize implementation of PBN flight procedures. Follow-up of assistance started in 2015 to Djibouti CAA and related to PBN flight procedures designed for Djibouti International Airport, continued in connection with validation phase of Quality Assurance Implementation process. Issues addressed in step 8 of Quality Assurance process related to the preflight evaluation (ground validation) and flight validation actions. Air France provided positive conclusions for flight procedures validation step. Regulatory approval process launched to be finalized the implementation by August 2016. <u>Outcomes:</u> Regulatory approval of IFP at Djibouti International Airport. Follow-up conducted.</p>	4 th Quarter, 2015	On-going	3 rd Quarter, 2016
	<p>Cameroon Assistance provided in June 2016 to Cameroon CAA (CCAA) for regulatory approval of PBN flight procedures designed by AFPP for Maroua International Airport. Assistance based on the Quality Assurance process (Doc 9906). Process is still slowed by issue for procedure validation (see section "Procedure Design, IFPD Cameroon") <u>Outcomes:</u> Regulatory approval of instrument flight procedures in force at all international and domestic airports in Cameroon. Follow-up conducted.</p>	2 nd Quarter, 2016	On-going	3 rd Quarter, 2016
	<p>Mali Assistance provided on 4-8 July 2016 meeting in Bamako for Mali CAA (ANAC-Mali) related to instrument flight procedure (conventional and PBN) implementation process, including regulatory approval of PBN flight procedures designed by ASECNA for 3 airports in the North East of Mali (Gao, Timbuktu and Tessalit) on MINUSMA request. Assistance based on the Quality Assurance process (Doc 9906) <u>Outcomes:</u> Regulatory approval of instrument flight procedures in force at all international and domestic airports in Mali. Finalization of implementation expected by December 2016. Follow-up to be conducted.</p>	2 nd Quarter, 2016	Preparation	4 th Quarter, 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
AIRBUS Project Instrument flight procedures implementation process	Guinea, Liberia, Sierra Leone Instrument flight procedures implementation global process to be developed for an African State, based on PBN flight procedures at an airport. Activity presented by AIRBUS during AFPP SC/1. Freetown International Airport selected for PBN flight procedures implementation. States of Guinea, Liberia and Sierra Leone, members of ROBERTS FIR, involved in the Project, as all activities related to instrument flight procedures implementation are part of the Project (design, training, assistance). AIRBUS delivered final and positive decision on September 2016 after Introduction meeting held in Sierra Leone, 7-9 September 2016, with all involved stakeholders. Project Management is under development between AIRBUS, AFPP, States and Roberts FIR for Kick-off meeting expected on January 2017. <u>Outcomes:</u> capabilities acquired by States (Guinea, Liberia and Sierra Leone) and Roberts FIR for Airspace Management and oversight of Instrument Flight Procedures implementation.	1 st Quarter, 2016	On-going	4 th Quarter, 2017
INSTRUMENT FLIGHT PROCEDURE DESIGN				
Instrument Flight Procedure Design (conventional and PBN)	Cote d'Ivoire Since December 2013, flight procedures (conventional and PBN) design process was related to Korhogo, Man, Odienné and Yamoussoukro airports for Cote d'Ivoire ANSP (SODEXAM). The AFPP designed flight procedures and participated to ground and flight validation process in May 2015 and June 2016. Finalization of the project was done with procedures publication in July 2015 (Man) and September 2016 (Korhogo, Odienné, Man and Yamoussoukro). Design for Odienné was part of the OJT for designer trained during 2014 and 2015 PANS OPS training courses, conducted in May/June 2016.	2 nd Quarter, 2016	Completed	3 rd Quarter, 2016
	Cameroon Conventional and PBN flight procedures design for Cameroon CAA at Maroua International Airport. Design finalized by AFPP in April 2016. Implementation process presently slowed as CCAA had issue to find an aircraft and experts to participate in step 8 of Quality Assurance process related to the preflight evaluation (ground validation) and flight validation actions. The activity was done in September 2016 coupled to ATC training by AFPP expert. Finalization of the project expected by end 2016.	1 st Quarter, 2016	On-going	4 th Quarter, 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
	<p>Botswana</p> <p>To respond to request from Botswana CAA, proposal sent for review and design for PBN flight procedures at 4 International Airports (Francistown, Gaborone, Kasane and Maun). Technical and financial proposals were validated and accepted by Botswana CAA. Design will be conducted by AFPP FP designers. Timetable for activity is under preparation, to start activity in January 2017 for 9 months.</p>	Added to 2016 Work Programme	On-going	3 rd Quarter, 2017
TRAINING COURSES				
Flight Procedure Design Initial Courses (session 2A)	<p>Training related to conventional and PBN procedures, for participating experts to become PANS OPS instrument flight procedures designers.</p> <p>20-day session for course, dedicated to conventional procedures, as part of the 2016 AFPP Work Programme. Venue was AFPP premises in Dakar, Senegal.</p> <p>Expertise and facilitation was provided by AFPP PANS OPS Instructors.</p> <p>Contents of the course was purchased to ENAC, France, after success of Call for Tenders. 13 experts from 8 States (7 members and 1 non-member) participated to the course.</p> <p><u>Outcomes:</u> State capability developed for conventional and PBN flight procedures design.</p>	1 st Quarter, 2016 (2A-conventional)	Completed	22 August – 16 September 2016 (2A)
SYMPOSIA				
3rd Africa-Indian Ocean (AFI) Aviation Safety and Security Symposium, 17th AFI Plan Steering Committee Equatorial Guinea	<p>Attendance to the 3rd Africa-Indian Ocean (AFI) Aviation Safety and Security Symposium, 17th Comprehensive Regional Implementation Plan for Aviation Safety in Africa (AFI Plan) Steering Committee, 27 June – 1 July 2016, in Malabo, Equatorial Guinea.</p> <p>The African Flight Procedure Programme (AFPP) activities were presented for the Phase I period, 2014/2017.</p> <p>In the presence of the ICAO Secretary General, Chad CAA SG has signed the AFPP Programme Document to become the 26th Active Participating State (APS) to the AFPP, and Equatorial Guinea CAA SG has signed the AFPP Programme Document to become the 4th User State (US) to the AFPP.</p>	2 nd Quarter, 2016	Held	27 June – 1 July 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
OTHER ACTIVITIES				
AFPP Phase II Task Force	Request to AFPP Member States for AFPP Phase II Task Force participation. Tanzania (Coordinator), Kenya, Ghana and Cote d'Ivoire (APS representatives), France and AIRBUS (Donors) and AFCAC responded positively. Tentative to organize meeting.	4 th Quarter, 2016	On-going	4 th Quarter, 2016
3rd AFPP Steering Committee	Preparation of the 3rd meeting of the AFPP Steering Committee. Meeting will be hosted by Zambia CAA in Livingstone on 23-24 November 2016.	4 th Quarter, 2016	On-going	4 th Quarter, 2016

PROGRAMME ACTIVITIES, to be launched during upcoming months

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
ASSISTANCE TO STATES				
Instrument Flight Procedure Implementation Process (conventional and PBN)	Equatorial Guinea Assistance to be provided for Equatorial Guinea CAA related to instrument flight procedure (conventional and PBN) implementation process, including regulatory approval of PBN flight procedures designed by ASECNA for Bata International Airport. Assistance based on the Quality Assurance process (Doc 9906) <u>Outcomes:</u> Regulatory approval of instrument flight procedures in force at all airports in Equatorial Guinea. Finalization of implementation expected by end of 2016. Follow-up to be conducted.	Added to 2016 Work Programme	Preparation	1 st Quarter, 2017
INSTRUMENT FLIGHT PROCEDURE DESIGN				
Instrument Flight Procedure Design (conventional and PBN)	Cameroon To respond to request from Cameroon CAA for design for PBN flight procedures at Bafoussam International Airport. Technical and Financial Proposal was provided to CAA.	Added to 2016 Work Programme	Preparation	1 st Quarter, 2017
	Zimbabwe To respond to request from Zimbabwe CAA for design for PBN flight procedures at Harare and J.M. Nkomo International Airports and possibly at Chiredzi and Kariba airports, information was provided to CAA.	Added to 2016 Work Programme	Preparation	1 st Quarter, 2017

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
WORKSHOPS				
Aeronautical Data Origination for IFP Design	<p>Knowledge to States in developing capability for aeronautical data collection, including obstacles and terrain, for instrument flight procedures implementation.</p> <p>The 3-day workshop, part of the 2016 AFPP Work Programme, hosted by ICAO WACAF Regional Office in Dakar, Senegal.</p> <p>Facilitation provided by EASA, AFPP and ASECNA experts, conducted in English.</p> <p><u>Outcomes:</u> provision of knowledge on development of aeronautical data for IFP design to personnel in charge of procedures design and implementation oversight.</p>	3 rd Quarter 2016	Confirmed	16-18 November 2016
PBN Airspace Design Concept	<p>Knowledge to CAA and ATM personnel of the PBN Concept for Airspace Design.</p> <p>The 10-day workshop, part of the 2016 AFPP Work Programme, hosted by Tanzania CAA in Dar Es Salaam, Tanzania.</p> <p>Facilitation provided by ICAO HQ and AFPP experts, conducted in English.</p> <p><u>Outcomes:</u> provision of PBN Concept for Airspace Design for CAA and ATM personnel.</p>	4 th Quarter 2016	Confirmed	10-21 October 2016
Flight Procedure Design Course for Oversight Service Personnel	<p>Knowledge to experts from CAAs (Flight procedures implementation oversight service) on conventional and PBN flight procedures design.</p> <p>15-day workshop as part of the 2016 AFPP Work Programme.</p> <p>Expertise and facilitation will be provided by AFPP PANS OPS Instructors.</p> <p>Due to AFPP PANS OPS Instructors heavy workload, workshop postponed to 2017.</p> <p><u>Outcomes:</u> Oversight CAA Services capability for approval of IFP implementation project.</p>	2 nd Quarter 2016	Postponed	2017
TRAINING COURSES				
Flight Procedure Design Initial Courses (session 2B)	<p>Training related to conventional and PBN procedures, for participating experts to become PANS OPS instrument flight procedures designers.</p> <p>20-day session for course, dedicated to PBN procedures, as part of the 2016 AFPP Work Programme. Venue will be AFPP premises in Dakar, Senegal.</p> <p>Expertise and facilitation will be provided by AFPP PANS OPS Instructors.</p> <p>Contents of the course was purchased to ENAC, France, after success of Call for Tenders.</p> <p><u>Outcomes:</u> State capability developed for conventional and PBN flight procedures design.</p>	2 nd Quarter, 2016 (2B-PBN)	Confirmed	21 November – 16 December 2016 (2B)

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
PBN Operations Approval	<p>Training related to PBN Operations Approval of PBN Operations by Air Operators</p> <p>The 5-day course, part of the 2016 AFPP Work Programme, is postponed to 2017 agenda, due to difficulties to find an hosting State and external expertise to facilitate the course. Expertise and facilitation would be provided by external consultant and AFPP experts, conducted in English.</p> <p>Training for experts from African States and African Air Operators in order to create an AFPP internal capability regarding this domain.</p> <p><u>Outcomes:</u> provision of training to CAA personnel for State capability to approve Air Operators for PBN Operations.</p>	4th Quarter, 2016	Postpone	2017

EXPECTED OUTPUTS

1. Seminars/Workshops/Training sessions would be organized during Year 2016, focusing on "Quality Assurance for Instrument Flight Procedures Implementation", "PBN Airspace Design", "PBN for ATM", "Data Origination", "PBN OPS Approval", "PANS OPS designer training courses" and "PANS OPS design course for CAAs". Detailed sessions on the items would give participants a better knowledge of PBN implementation in order to take the necessary actions in their States to meet the ICAO goals for PBN implementation in Africa. Dedicated activities would be added when necessary during Year 2016.
2. Activities regarding flight procedures design, including PBN, will be conducted during Year 2016, with AFPP designers. Priority will be given to States and airports where PBN procedures implementation level is low. As expressed by ICAO and recent African meetings resolutions, PBN flight procedures will have to be developed for at least one runway end at International Airports by the end of 2016. An action Plan would be developed.
3. National PBN Implementation Plan is a major issue in PBN implementation. It is recommended that every African State develops or reviews its Plan by end 2016. Dedicated assistance would be provided as priority action for 10/24 WACAF States and 15/24 ESAF States for the development and submission of National PBN Plan to the ICAO Regional Offices before end 2016