



African Flight Procedure Programme

AFPP ACTIVITY REPORT, 2016, 2nd Quarter

The objective of this paper is to report on the activities of the African Flight Procedure Programme (AFPP) during 2nd 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, Q1	28	25	3	1		nil
2016, Q2	30	26	4	1		Chad and Guinea Equatorial

Liberia has expressed interest to join the AFPP as APS.

PROGRAMME ACTIVITIES, 2ND QUARTER 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
ASSISTANCE TO STATES				
OJT for designers Cote d'Ivoire Senegal Uganda	OJT for trained designers (PANS OPS courses, October 2014 and June 2015 by the AFPP): - Cote d'Ivoire, 1 designer from SODEXAM (ANSP), 16 May – 03 June 2016; - Uganda: 2 designers from CAA, 18 April – 20 May 2016; and - Senegal: 1 designer from ADS (ANSP), 18 April – 20 May 2016. Outcomes: Capability developed within States for IFP design.	1 st Quarter 2016	Completed	2 nd Quarter, 2016
National PBN Implementation Plan 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. Plans would be submitted to ICAO WACAF Office before end 2016. Outcomes: National PBN Plan developed and submitted to ICAO Regional Office.	2 nd Quarter, 2015	On-going	3 rd Quarter, 2016
National PBN Implementation Plan Cameroon	In order to consolidate and finalize the National PBN Implementation Plan of Cameroon, AFPP participated to the 1 st meeting of the National PBN Committee, on 7-9 June 2016 in Yaoundé, Cameroon. Draft copy of the Plan was developed to be finalized for CCAA DG signature by end of 2016. Outcomes: National PBN Plan developed and submitted to ICAO Regional Office.	Added to 2016 Work Programme	On-going	4 th Quarter, 2016
PBN flight procedures implementation process Djibouti	Training for Djibouti State 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 finalize the implementation by August 2016. Outcomes: Regulatory approval of IFP at Djibouti International Airport. Follow-up conducted.	4 th Quarter, 2015	On-going	3 rd Quarter, 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
PBN flight procedures implementation process 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) Outcomes: Regulatory approval of instrument flight procedures in force at all international and domestic airports in Cameroon. Follow-up conducted.	2 nd Quarter, 2016	On-going	3 rd Quarter, 2016
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 final decision expected on September 2016 after Introduction meeting to be held in Sierra Leone, 7-9 September 2016, with all involved stakeholders. Outcomes: capabilities acquired by States for Airspace Management and oversight of Instrument Flight Procedures implementation.	1 st Quarter 2016	On-going	4 th Quarter, 2017
PROCEDURE DESIGN				
Instrument flight procedure design Cote d'Ivoire	Flight procedures (conventional and PBN) design process was related to Man Airport for Cote d'Ivoire ANSP (SODEXAM). Missions for ground and flight validation, were conducted in May 2015 by AFPP designer. Finalization of this part done with procedure publication in July 2015. The project continued with conventional flight procedures design for Korhogo, Man, Odienné and Yamoussoukro airports. Design for Odienné is part of the OJT for designer trained during 2014 and 2015 PANS OPS training courses, conducted in May/June 2016. Finalization of the project expected during Q3 2016.	2 nd Quarter, 2016	On-going	3 rd Quarter, 2016
Instrument flight procedure design 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 needs 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. Expected in September 2016. Finalization of the project linked to this issue.	1 st Quarter, 2016	On-going	3 rd Quarter, 2016

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
WORKSHOPS				
PBN Training for ATC and ATM personnel	<p>Knowledge to ATC and ATM personnel of the PBN flight procedures concept and use.</p> <p>The 5-day workshop, part of the 2016 AFPP Work Programme, hosted by Kenya CAA and EASA (East African School of Africa) in Nairobi, Kenya.</p> <p>Facilitation provided by EASA and AFPP experts, conducted in English.</p> <p>16 participants from 9 States (ATC, AIM and ATM).</p> <p>Outcomes: provision of training on PBN for ATC and ATM personnel.</p>	2 nd Quarter 2016	Held	11-15 April 2016
National PBN Implementation Plan	<p>Knowledge to identified States in the WACAF region to develop, consolidate or finalize their National PBN Implementation Plan.</p> <p>3-day workshop on request and in collaboration with ICAO WACAF Office.</p> <p>Congo, Guinea and Sao Tome and Principe CAA representatives attended to the workshop. Congo and Guinea for Plan finalization and Sao Tome and Principe for Plan development.</p> <p>Facilitation provided by AFPP experts, conducted in French.</p> <p>Outcomes: development or finalization of the National PBN Implementation Plan. To be submitted to ICAO Regional Office by end 2016</p>	Added to 2016 Work Programme	Held	11-13 May 2016
SYMPOSIA				
3rd Africa-Indian Ocean (AFI) Aviation Safety and Security Symposium, 17th Comprehensive Regional Implementation Plan for Aviation Safety in Africa (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

PROGRAMME ACTIVITIES, UPCOMING months

TITLE	TEXT	SCHEDULED	STATUS	EXPECTED COMPLETION
ASSISTANCE TO STATES				
PBN flight procedures implementation process Mali	Assistance to be 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) Outcomes: Regulatory approval of instrument flight procedures in force at all international and domestic airports in Mali. Finalization of implementation expected by October 2016. Follow-up to be conducted.	2 nd Quarter, 2016	Preparation	3 rd Quarter, 2016
PBN flight procedures implementation process 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) Outcomes: 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.	3 rd Quarter, 2016	Preparation	1 st Quarter, 2017
PROCEDURE DESIGN				
PBN flight procedures review and design Botswana	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). The proposal still being studied by Botswana CAA.	Added to 2016 Work Programme	Preparation	2 nd Quarter, 2016
PBN flight procedures design Cameroon	To respond to request from Cameroon CAA for design for PBN flight procedures at Bafoussam International Airport.	Added to 2016 Work Programme	Preparation	1 st Quarter, 2017
PBN flight procedures design 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.	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 Gabon CAA in Libreville, Gabon.</p> <p>Facilitation provided by EASA, AFPP and ASECNA experts, conducted in English.</p> <p>Outcomes: 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	20-22 September 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>Outcomes: provision of PBN Concept for Airspace Design for CAA and ATM personnel.</p>	4 th Quarter 2016	Confirmed	10-21 October 2016
TRAINING COURSES				
Flight Procedure Design Initial Courses (session 2, A and B)	<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 each course as part of the 2016 AFPP Work Programme.</p> <p>Venue is AFPP premises in Dakar, Senegal. Dates are confirmed</p> <p>Expertise and facilitation will be provided by AFPP PANS OPS Instructors.</p> <p>Contents of the Conventional and PBN courses purchased after success of Call for Tenders.</p> <p>Outcomes: State capability developed for conventional and PBN flight procedures design.</p>	<p>1st Quarter, 2016 (2A-conventional)</p> <p>2nd Quarter, 2016 (2B-PBN)</p>	Confirmed	<p>22 August – 16 September 2016 (2A)</p> <p>21 November – 16 December 2016 (2B)</p>
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, hosted by Cote d'Ivoire CAA in Abidjan, Cote d'Ivoire.</p> <p>Expertise and facilitation provided by ICAO HQ and AFPP experts, conducted in English.</p> <p>Outcomes: provision of training to CAA personnel for State capability to approve Air Operators for PBN Operations.</p>	4 th Quarter, 2016	Tentative	5-9 December 2016

EXPECTED OUTPUTS

1. Seminars/Workshops/Training courses will be organized during the Year 2016, focusing on "Quality Assurance for Instrument Flight Procedures Implementation", "PBN Airspace Design", "PBN for ATM", "Data Origination", "PBN OPS Approval", and "PANS OPS designer training courses". 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 the Year 2016.
2. Activities regarding flight procedures design, including PBN, will be conducted during the Year 2016, with the 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.