



African Flight Procedure Programme

INTERNATIONAL CIVIL AVIATION ORGANIZATION TECHNICAL COOPERATION PROGRAMME

WORK PLAN 2019

1. AFRICAN FPP OBJECTIVES FOR YEAR 2019

- 1.1 Year 2019 will be an important year for the African Flight Procedure Programme (AFPP) as first year of Phase II. The purpose of the Programme Phase II is to provide opportunity to use the training activities and services proposed by the Programme for African Member States/Organizations in continuity of Phase I.
- 1.2 In order to propose a variety of training activities and services to meet the needs of Member States/Organizations needs according to the ICAO Resolutions A37-11 and A38-7, ASBU B0-65 (APTA) and the Global Aviation Safety Plan, the 2019 African FPP Work Programme is composed of workshops, training courses and support activities. Development and consolidation of National PBN Implementation Plan, workshops on conventional and PBN flight procedures implementation process including validation and regulatory approval, on PBN OPS Approval process, and training sessions for flight procedures designers as well as PBN flight procedures design have to be considered as essential to improve or start PBN implementation in States/Organizations s.
- 1.3 These activities will allow the PM to expedite or to make the first steps for implementing PBN flight procedures in the Region.
- 1.4 The AFPP Objectives for 2019 are as follows;
 - Commence AFPP Phase II operations on (date to be determined);
 - Conduct 5 Training activities; and
 - Conduct 3 Project-orientated implementation support activities.

2. AFRICAN FPP TRAINING ACTIVITIES FOR 2019

- 2.1 **Conventional Flight Procedure Design Course– English – 20 days – May**
 - 2.1.1. **Description:** The course is based on ICAO PANS-OPS and aims to support PM in developing their conventional flight procedures and basic procedure design capability by providing fundamental knowledge regarding procedure design. The instruction consists of lecturing, exercises, progress tests and examinations.
 - 2.1.2. At the end of the course, each student will be individually assessed for successfully acquiring the required competencies, and the outcome of the assessment will then be reported to each student and his/her agency.
 - Instructor – AFPP;
 - Material – AFPP;
 - Facility – Dakar;
 - Funding – AFPP Budget.

2.2 PBN Flight Procedure Design Courses – English – 20 days – November

2.2.1. **Description:** The course aimed to support States/Administrations in developing their PBN procedure design capacity and to support ICAO's global PBN implementation goals as indicated in the ICAO 2010 and 2013 Assembly Resolutions. The course is follow-on of the conventional Flight Procedure Design Course.

2.2.2. At the end of the course, each student will be individually assessed for successfully acquiring the required competencies, and the outcome of the assessment will then be reported to each student and his/her agency.

2.2.3. The course is open to qualified procedure designers who have successfully completed PANS-OPS Initial Course either at the African FPP or other institutions.

- Instructor – AFPP;
- Material – AFPP;
- Facility – Dakar;
- Funding – AFPP Budget.

2.3 PBN OPS Approval Workshop – English – 5 days - June

2.3.1. **Description:** The course is based on ICAO Doc 9997 and conducts to support States in developing their operational approval capability for approving PBN operations and air operators in obtaining PBN OPS approvals. The purpose of the course is to provide experienced flight inspectors, flight operations regulators and air operators' personnel with a comprehensive understanding of the requirements for PBN operational approval. The instruction consists of lecturing and study cases.

2.3.2. The course is open to qualified and experienced flight inspectors, regulators and air operator personnel involved in PBN flight operations.

- Instructor – ICAO Headquarters;
- Material – ANB;
- Facility – Lomé or Yaoundé;
- Funding – ICAO Headquarters and AFPP Budget.

2.4 PANS-OPS Flight Procedure Design Course for CAAs – English – 20 days – May

2.4.1. **Description:** The course is based on ICAO PANS-OPS and aims to support States in developing their conventional flight procedures and basic procedure design capability by providing fundamental knowledge regarding procedure design. The instruction consists of lecturing and exercises.

- Instructor – AFPP;
- Material – AFPP;
- Facility – Nairobi;
- Funding – AFPP Budget.

2.5 PBN Airspace Design Workshop – English – 5 days – April

2.5.1. **Description:** The course is based on ICAO Airspace design manual (Doc. 9992) and relevant documents (Doc. 9993 and 9931). The purpose of the workshop is to assist African States in developing their capabilities for airspace design, Continuous Descent Operations (CDO) and Continuous Climb Operations (CCO) and aims to support States in complying with users and ASBU requirement by providing fundamental advanced knowledge regarding CCO/CDO practical trajectories and Airspace design. The instruction consists of lecturing and study cases.

2.5.2. At the end of the course, each student will be able to understand airspace design theory and acquired enough competencies to better organize his airspace and design practical CCO/CDO trajectories.

- Instructor – Headquarter or partnership;
- Material – AFPP;
- Facility – Dar Es Salam/Gaborone;
- Funding – AFPP Budget.

2.6 Quality assurance Workshop – English – 5 days – September

2.6.1 **Description:** The course is based on ICAO Quality assurance manual for instrument flight procedure and aims to support States to understand the quality process for instrument flight procedures design and implementation in order to assist them for oversight and regulatory approval. The instruction consists of lecturing and study cases.

2.6.2. At the end of the course, each student will be able to understand the quality process in instrument flight procedure (IFP) design, roles and responsibilities of each stakeholder and how to oversee or approve an IFP.

- Instructor – AFPP/Headquarter of partnership;
- Material – AFPP;
- Facility – Mbabane/Harare;
- Funding – AFPP Budget.

2.7 RNP AR training – English – 5 days – September

2.7.1. **Description:** The course is based on ICAO Required Navigation Performance Authorization Required (RNP AR) Procedure Design Manual and aims to support PM in developing their advanced flight procedures capability by providing fundamental knowledge regarding the RNP AR flight procedure design. The instruction consists of lecturing, exercises, progress tests and examinations.

2.7.2. At the end of the course, each student will be individually assessed for successfully acquiring the required competencies, and the outcome of the assessment will then be reported to each student and his/her agency.

- Instructor – Headquarter or partnership;
- Material – AFPP;
- Facility – Malabo;
- Funding – AFPP Budget.

2.8 Instrument Flight Procedure Design OJT – English or French– 4 to 5 weeks minimum

2.7.1. **Description:** The OJT is organized on request of a States/Organization. OJT is a mandatory step in the quality assurance manual after the initial training (or sometimes following an advanced training) for those whose purpose is to reinforce formal training and support the achievement of competency standards.

2.7.2. At the end of the course, each student will be individually assessed for successfully acquiring the required competencies, and the outcome of the assessment will then be reported to each student and his/her agency.

- Instructor – Headquarter or partnership;
- Material – AFPP;
- Facility – AFPP office or on site;
- Funding – AFPP and State/Organization Budget.

3. AFRICAN FPP PROJECT-ORIENTED IMPLEMENTATION SUPPORT FOR 2019

3.1 **Conventional or PBN Flight Procedures Implementation Projects: Botswana (continuation of Phase I Project, Côte d'Ivoire, Guinea Conakry, Liberia, Zimbabwe, Gambia, Cabo Verde).**

3.1.1. **Description:** Implementation of PBN and/or conventional flight procedures at different airports of AFPP Member States/Organizations in accordance to quality assurance for flight procedures implementation requirement described in ICAO Doc.9906.

- Expert- Qualified procedure designers from AFPP;
- Funding by concerned PM;
- Facility –Dakar and On Site;
- Conditions – Concerned States/Organizations agreed to include national experts in project development to start training on flight procedures implementation process.

3.3 Assistance for development of National PBN Implementation Plan Djibouti, Central African Republic, Zambia

Description: Assistance conducted to assist concerned Member States to develop their National PBN Implementation Plan.

- Expert - Qualified expert from AFPP;
- Funding by concerned States;
- Facility –Dakar and On Site;
- Conditions – Concerned States agreed to include national experts in activity provision to improve knowledge on PBN implementation.

3.4 **OJT for PANS OPS flight procedures designers trained by the AFPP, Cabo Verde, Niger**

Description: PANS OPS OJT conducted for flight procedures designers from AFPP Member s and trained by the AFPP to obtain flight procedures designer qualification.

- Expert–AFPP PANS OPS Instructor;
- Funding by concerned Member;
- Facility –Dakar and On Site;
- Conditions – Request from concerned Members or agreement to include trained flight procedures designer as AFPP member team for AFPP flight procedures design project.