



ICAO

International Civil Aviation Organization
African Flight Procedure Programme

Sixth Meeting of the African Flight Procedure Programme Steering Committee (3 September 2020)

Agenda item 4 : Review and approval of the 2020 work programme Working paper 4.1: Proposed 2020-2021 work programme (ATT 4.1)

(Presented by the Secretariat)

1. AFRICAN FPP OBJECTIVES FOR YEAR 2020 - 2021

- 1.1 In line with Phase II strategic objectives, ICAO strategic objectives and the ASBU framework, year 2020 will be focused on identified deficiencies such as efficient airspace design and PANS-OPS regulatory oversight.
- 1.2 The traditional AFPP capacity building in the domain of PBN implementation and related activities will not be forgotten.
- 1.3 In order to propose a variety of training activities and services to meet the needs of Member States/Organizations according to the ICAO Resolutions A37-11 and A38-7, ASBU B0-65 (APTA) and the Global Aviation Safety Plan, the 2020 African FPP Work Programme is composed of workshops, training courses and support activities. Development and consolidation of National PBN Implementation Plan, workshops on quality assurance, PANS-OPS regulatory oversight, PBN airspace design, PBN operational approval and training sessions for flight procedures designers in the domain of flight procedures design have to be considered as essential to improve or start PBN implementation in States/Organizations.
- 1.4 These activities will allow the participating members to expedite or to make the first steps for implementing PBN flight procedures in the Region or to deal with the above issues.

2. AFRICAN FPP TRAINING ACTIVITIES FOR 2020 - 2021

- 2.1 **National PBN Implementation Plan (NPIP) development Workshop – English – 2 days – November 2020**
 - 2.1.1 **Description:** The workshop is based on the AFI/MID/EURNAT National PBN Implementation roadmaps and aims to support States in developing or updating their National PBN Implementation Plan in line with Objective 1 of Phase II strategy which is to assist Participating Members in urgent development of finalization of robust NPIP. The instruction consists of remote lecturing and exercises.
 - 2.1.2 At the end of the course, each participant will be able to develop or update his National PBN Implementation Plan.
 - Instructor – AFPP;
 - Media – MS Zoom ;
- 2.2 **Conventional Flight Procedure Design Course– English – 20 days – Dakar, Senegal**
 - 2.2.1 **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.
 - 2.2.2 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 administration.
 - Instructor – AFPP;
 - Material – AFPP;
 - Facility – Dakar;
 - Funding – AFPP Budget.

2.3 **PBN Flight Procedure Design Courses – English – 20 days – Dakar, Senegal**

2.3.1 **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.

2.3.2 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 administration.

2.3.3 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.

2.4 **PANS-OPS Flight Procedure Design Course for CAAs – English – 10 days – Harare, Zimbabwe**

2.4.1 **Description:** The course is based on ICAO PANS-OPS and aims to provide basics in flight procedure design and related issues to States PANS-OPS oversight officers as to build their capability for oversight activities all oversight activities including approval. The instruction consists of lecturing and exercises.

2.4.2 At the end of the course, each student will be able to understand the basics in instrument flight procedure (IFP) design as a tool to better oversee or approve an IFP. The course is mainly open to qualified PANS-OPS, AIS/MAP inspectors and regulators.

- Instructor – AFPP;
- Material – AFPP;
- Facility – Harare;
- Funding – APM budget.

2.5 **PBN OPS Approval Workshop – English –5 days – Dakar, Nairobi & Cairo**

2.5.1 **Description:** The course is based on ICAO Doc 9997 and aims to support States in developing their operational approval capability for approval of PBN operations for national air operators. 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. The course is organized in cooperation with TCB and the ROs.

2.5.2 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 – Dakar and Nairobi;
- Funding – TCB budget.

2.6 **PBN Airspace Design Workshop – English – 10 days – Abuja, Nigeria**

2.6.1 **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, Flexible Use of Airspace (FUA), Continuous Descent Operations (CDO) and Continuous Climb Operations (CCO) and aims to support States in complying with users and ASBU requirements by providing fundamental advanced knowledge regarding airspace organization. The instruction consists of lecturing and study cases.

2.6.2 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 including implementation of CCO/CDO trajectories.

- Instructor – Facilitator;
- Material – TBN;
- Facility – Abuja;
- Funding – APM Budget.

2.7 **Quality assurance Workshop – English – 5 days – Mbabane, Eswatini**

2.7.1 **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.

2.7.2 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;
- Material – African FPP;
- Facility – Eswatini;
- Funding – APM Budget.

2.8 **Instrument Flight Procedure Design OJT – English or French–5 weeks**

2.8.1 **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.

2.8.2 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 – AFPP office or on site;
- Funding – AFPP and State/Organization Budget.
- Beneficiaries as of 3 September: Cameroon, Cabo Verde, Eswatini

3. **AFRICAN FPP PROJECT-ORIENTED IMPLEMENTATION SUPPORT FOR 2020**

3.1 **Assistance for development of National PBN Implementation Plan**

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

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

3.2 On-going or expected flight procedure design projects

3.2.1 **Description:** As per the relevant provisions of the Programme document, this assistance is provided to States/Organizations with no flight procedure design capability to develop or update instrument flight procedures or charts.

- Expert–AFPP designers or Member States/Organization designers;
- Funding by concerned Member;
- Facility –Dakar and On Site;
- Conditions – Request from concerned State/Organization under the conditions stipulated in the Programme Document.

3.2.2 On-going design projects: Guinea (Conakry), Cabo Verde (Sao Vicente, Sal & Praia), Liberia (Monrovia), Botswana (Kasane & Maun); Burkina Faso (Namissiguima)

3.3.3 Expected Projects: Eswatini, Cameroon, Niger, Gambia and Zimbabwe,

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