International Civil Aviation Organization
African Flight Procedure Programme

PBN Flight Procedure Design Training Course
(3 - 28 April 2023)

AGENDA

The course topics include PBN concept, RNAV principles, general criteria, computation or design principles, design criteria for PBN departure, approach and arrival trajectories, approach procedures with vertical guidance (APV, Baro VNAV), an overview of new concepts (CCO/CDO) and publication. Theoretical lectures are consisting of presentation and explanation of the rules and principles described in Doc. 8168-OPS/611 (PANS/OPS) and 9906 (Quality Assurance Manual). Laboratory exercises are conducted to enforce the theoretical input, and application of basic regulations.

Agenda item 1: General:

- General principles;
- General criteria;
- Design principles and
- Computation principles.

Agenda item 2: PBN design criteria:

- Departure procedures;
- Arrival trajectories;
- LNAV approach;
- PBN holding pattern;
- ILS connection, APV Baro VNAV and
- Departure trajectories.

Agenda item 3: Theoretical lectures:

- Presentation and explanation of the rules and principles described in Doc. 8168-OPS/611 (PANS-OPS);
- Presentation and explanation of the rules and principles described in Doc. 9906 (Quality Assurance Manual).

Agenda item 4: Laboratory exercises:

- Elementary use of regulation concepts in a simplified environment.

Agenda item 5: Side lectures:

- Additional lectures provided on PANS-OPS related subjects.

Agenda item 6: Output:

- Formative assessment.