

## PBN PROCEDURES

Duration: 2 Weeks (10 days)

### Syllabus:

#### PBN CONCEPT OF OPERATIONS

- 1) Components of PBN concept
- 2) Navigation application
- 3) Airspace concept
- 4) Navigation infrastructure
- 5) Navigation specification
- 6) RNAV, RNP & OBPMA
- 7) Avionics
- 8) ICAO documents
- 9) Position determination and sensor
- 10) Waypoint
- 11) Minimum length
- 12) Turn Initiation distance
- 13) Turn stabilisation distance
- 14) TRD
- 15) Path terminator concept

#### PROTECTION AREA

- 1) Total system error
- 2) Waypoint tolerance
- 3) XTT, ATT & BV
- 4) Area width calculation
- 5) Merging methodology
- 6) Turn Construction
- 7) Step-down fix

#### INSTRUMENT APPROACH PROCEDURE (RNAV, RNAV/VNAV, LPV)

- 1) RNAV – Arrivals & TAA/MSA & charting
- 2) RNAV Holding Pattern
- 3) RNP – Initial & Intermediate Segments
- 4) RNP – RNAV Final Segment
- 5) Visual segment surface
- 6) RNAV – Missed Approach
- 7) APV Baro-VNAV
- 8) APV-SBAS

- 9) Procedure coding
- 10) SBAS FAS Data Block
- 11) Charting
- 12) Quality assurance

## **PRACTICAL EXERCISE**

## **TRAINEE ASSESSMENT**