

Instrument Procedure Design Course : General Criteria

DIGITAL



Sector(s)

Theme(s) :

Audience :

Head teacher : David SZYMANSKI

Contact registration : Service Formation Continue - (+33) 5 62 17 47 67 / 43 43 - formationcontinue@enac.fr

Number of places : 14

Duration : 13 day(s)

2023 : 5390 €

Dates / Times ///

03/13/2024 03/29/2024

Goals ///

At the end of this training, the participant, as future procedure designer is able to:

- Begin designing RNP approach procedure without vertical guidance tutored by a senior procedure designer;
- Apply general criteria;
- Attend any course relative to IFR procedure design.

Attendees ///

Future procedure designer, manager of a procedure design office.

Prerequisites ///

- Basic knowledge in mathematics, air navigation services, air traffic management, airport infrastructures are requested.
- To review these basic knowledges, exercises and assessments are provided to trainees before the session, they should be mastered prior to commencing the course.
- Attendees should feel comfortable to communicate in English. (LEVEL: Intermediate)

Training content ///

At ENAC, according to ICAO doc 9906 volume 2, the initial training of IFR procedures designer consists of 4 main courses. Each course is completing each other. This course is considered as the first step of a thorough basic training to design IFR procedures.

The course deals with :

- VSS (Visual segment surfaces),
- final approach axis,
- final approach segment,
- intermediate approach segment,
- initial approach segment,
- arrival segment,
- holding,
- missed approach segment,
- circling and VPT,
- fixes,
- protection areas,
- Minimum Obstacle Altitude (MOCA),
- Obstacle Clearance altitude (OCA)

Side lectures

Complementary information may be provided on PANS-OPS related subjects.

Teaching methods used

Most of the remote classes are provided via the e-learning platform. They are followed by collaborative "all-together-sessions" to reinforce and check the understanding of the presented regulatory elements.

Theoretical courses

Presentaiton and explanation of the rule and principles described in ICAO Doc 8168-PANS-OPS Volume II.

Laboratory exercises

Elementary use of the regulation concepts in a simplified environment, conducted to enforce the theoretical input.

Exercices are daily scheduled.

Project

- Throughout the session, design of an RNP NPA procedure :
- To follow the entire design process
- To apply the criteria and identify how they are connected

Assessment

Self-assessments are available throughout the course.

Several progress tests are carried out to identify the trainee's ability to apply procedure design criteria. At the end of the course, an individual assessment report is provided to each participant.

Assistance

Contact with the referent teacher(s) is provided throughout the course.

Course material : Course and exercise booklets, assessments report and copy of the side-lectures.

The benefits of this training ///

First contact with the design of an RNP approach procedure, run as a common thread, applying the general criteria in their context and challenging their interactions. High availability of teachers.