Instrument Procedure Design : Basic training

ON SITE

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 : 53 day(s)

2023 : 14676 €

Dates / Times ///

03/13/2024 11/22/2024

Class remote and

At ENAC Toulouse

Goals ///

Provide attendees with regulations and practical materials in order to perform the design of arrival, approach and departure instrument procedures in accordance with ICAO recommendations.

Attendees ///

The course content and organization allow to receive attendees even with a limited background in procedure design but basic knowledge in mathematics, trigonometry, aerodynamics, aircraft operations, aeronautical publication.

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, they should be mastered prior to commencing the course.
- Attendees should feel comfortable to communicate in English (Intermediate level)

Training content ///

The course is spread out over a one year period. It is divided in three parts. This organisation allows to fully devote each module to a specific topic. It allows also to practice what has been studied in the previous course between 2 modules.

- First module : IPD1 - General Criteria
- Second module : IPD2 - Arrival and Non precision Approach for PBN or conventional procedures
- Third module : IPD3 - Precision Approach for PBN or conventional procedures and Approach with vertical guidance (APV) procedures
- Fourth module : IPDEP - Departure procedures

Side lectures

Complementary information are provided by experts to enlarge the designer view depending on the module.

Assistance

Trainees are provided with basic computer assistance to design some protection areas and compute some set of parameters.

Output

Trainees produce a full report of the procedures designed during the project, including charts and present their work.

Organization

The course organization includes :

- Theoretical lectures based on ICAO regulation.
- Exercises to practice criteria individually.
- A full project conducted by group of two or three attendees.

The benefits of this training ///

After the theoretical part, transfer all the gained knowledge into practice on a project based on a real airport infrastructure, obstacle and airspace data.