

Ref. WX1-1

Course Duration
5 working days

Minimum Required Attendance:
20

Course Location
Switzerland

Cost
18,000 €

Includes
Tuition fee, hotel, full board

Instructors
XXX

Examination
Yes

Certificate
No

More Information
training@wx-systems.ch

The logo consists of the letters 'WX' in a bold, white, sans-serif font, centered within a blue rounded square background.

Procedure Design with WX1 Software

Course Objective

At the end of this course, the participant will be able to perform all procedure design tasks using the ICAO Doc 8168 PANS OPS Criteria on the WX1 Procedure Design Software platform.

Participants

Student must demonstrate that they have attended an ICAO PANS-OPS course in the last 10 years and provide references of operational experience. Furthermore they must demonstrate proficiency in using AutoCAD software.

Course Description

Aircraft are equipped with modern multi-sensor navigation systems, and TCAS communicating with each other, ATC uses the latest radar display technology, shortterm collision avoidance systems, therefore Instrument Flight Procedure Design has to keep up. Today's challenge in procedure design makes it important to use the power of computers, digital terrain and obstacle databases for creating terminal procedures.

This course will show all the steps in creating Instrument Flight Procedures using a procedure design software tool. The course is structured in a progressive way and will show the students what functions he will have to use to design Instrument Flight Procedures to ICAO Doc 8168 PANS OPS criteria.

Basic Topics Covered

- Installation of the system
- First launch of the system
- Structure of the system
- Automation in procedure design

Intermediate Topics Covered

- Geodetic issues
- Import of databases
- Terminal Area Fixes
- Non-precision approach
- Conventional Departure Routes
- Holding and Reversal Procedures

Advanced Topics Covered

- RNAV non-precision approach
- ILS surfaces
- ILS Collision Risk Model
- RNAV Departure Routes
- RNAV/APV procedures

Exercises

Every chapter will consist of two kinds of exercise: First a team exercise, where the instructor shows the exercise slowly on the screen and the students follow and execute all functions themselves step-by-step, followed by an exercise which has to be done by the students individually without the help of the instructor.

The exercises are a very important part of the course, because only practical experience will allow the designer to use the tool efficiently.