

Ref.PANS2

PANS - OPS

Master Class

Course Duration

5 working days

Minimum Required Attendance:

3

Course Location

Switzerland

Cost

10,000 €

Includes

Tuition fee

Instructors

Lars Finken/
Beat Zimmermann

Examination

Yes

Certificate

Yes

More Information

training@wx-systems.ch

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

Course Objective

At the end of this course, the participant will be up to date with latest criteria and he will be more proficient in developing instrument flight procedures.

Participants

The student must demonstrate that he has attended a recognised ICAO PANS-OPS Training Course in the last 10 years and provide references of operational experience.

Course Description

ICAO document 8168 contains such a huge amount of relatively complex information, it is not possible to remember all of it at all times. Procedure Design is a safety critical task. Therefore it is suggested by ICAO to keep up to date with the criteria on a regular basis.

Attending advanced PANS-OPS courses will enhance the quality of procedure design within your air navigation organisation, the safety as well as the efficiency will be increased. A well trained Procedure Design Team will lead to more economic use of manpower, benefiting the different parties involved such as Air Traffic Control, Airport Authority and Operators.

Basic Topics Covered

Conventional Terminal Procedures
Circling Approach
Conventional Holdings

Intermediate Topics Covered

Circling with prescribed track
RNAV Holdings
ILS/CRM

Advanced Topics Covered

RNAV/LNAV Approaches
RNAV Departures
Satellite Navigation
Basic GNSS
Augmentation Systems
SBAS
GBAS
APV/Baro-VNAV
RNP concept and criteria

Exercises

The whole theory is backed up with group exercises to enhance the learning effect. The group exercises and their presentation is part of the final examination. All exercises are made on a fictitious airport with a series of obstructions in strategic locations. The exercises can be done with the pencil and paper method or on a PC with a CAD software (no automated tool allowed.)