

# ILS Master Class

## Course Objective

At the end of this course, the participant will be proficient in developing ILS approaches in all kinds of environments.

## Participants

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

## Course Description

Many students accumulate quite remarkable operational experience after their ab-initio procedure design training but without actually ever being confronted with the development of an ILS approach procedure.

This is an ideal course to refresh the criteria once learnt or to bring own data and to initiate an ILS project under the supervision of our instructors.

The course focuses on the correct steps to be made when developing a precision approach, as well as exploring some special and more advanced situations, such as complex terrain/steep glide path angle approaches.

The student will also learn how to use the new ICAO ILS-OAS program on CD-ROM, which replaces the famous green pages of PANS-OPS.

## Basic Topics Covered

ILS System  
ILS Categories  
Basic ILS Surfaces

## Intermediate Topics Covered

Obstacle Assessment Surfaces  
ILS with Offset Alignment  
Localizer only Approaches  
Standard Dimensions

## Advanced Topics Covered

Non-Standard Dimensions  
Steep Glide Path Approaches  
Collision Risk Model

## 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 obstacles in strategical locations. The exercises can be done with the pencil and paper method or on a PC with a CAD software (no automated tool allowed).

## Course Duration

5 working days

## Minimum Required Attendance:

2

## Course Location

Switzerland

## Cost

10000 €

## Includes

Tuition fee only

## Instructors

Ray Pearce  
Lars Finken

## Examination

Yes

## Certificate

Yes

## More Information

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