

COURSE INFORMATION: FLIGHT VALIDATION FOR PILOTS

COURSE GOAL

On completion of this course, the successful candidate will be able to conduct flight validation for all types of instrument flight procedures in accordance with ICAO Doc 9906 Volume 5.

TARGET POPULATION

The target population is pilots employed by a regulatory authority, or an authorised service provider who are required to be qualified to conduct the flight validation of instrument flight procedures designed in accordance with ICAO Doc 8168 (Pans Ops) and ICAO Doc 9905 (RNP AR Procedure Design Manual).

COURSE DURATION

- 15 working days/105 classroom hours

The course is to be conducted in two parts.

Part A - conducted over 9 days, provides candidates with a sound knowledge of the fundamentals of procedure design. While it is not necessary that flight validation pilots are trained flight procedure designers, it is essential that flight validation pilots understand how procedures are designed in order to conduct an effective evaluation and to communicate effectively with procedure designers and other stakeholders.

Part B - conducted over 6 days, provides candidates with practical and theoretical training in the conduct of flight procedure validation.

PRE-REQUISITE SKILLS, KNOWLEDGE and ATTITUDES

Candidates for flight validation pilot training are expected to be senior experienced pilots with extensive operational experience. Suitable candidates include current or former flight operations inspectors or flight inspection pilots. The task of flight validation pilot requires the application of a wide variety of skills, experience and knowledge and the conduct of flight validation involves complex multi-tasking capabilities.

Typically, suitable candidates with the appropriate capabilities have not received previous training in flight procedure design. Consequently a large part of the flight validation pilot training is allocated to providing candidates with a sound knowledge of

those elements of flight procedure design that are relevant. It is essential that the flight validation pilot is able to communicate effectively with flight procedure designers and has sufficient knowledge of flight procedure design and construction to enable competent evaluation of the procedures that are to be validated.

It is also recommended that candidates have a sound knowledge of Performance Based Navigation operations, and particularly PBN approach operations.

CANDIDATE PREREQUISITES

Minimum qualifications:

- Commercial Pilot License
- Instrument rating
- ATPL or equivalent experience

Recommended qualifications:

- ATPL
- Extensive experience in IFR operations
- Experience and qualified in a related role such as flying operations inspector or flight inspection/calibration pilot
- Capable to conduct RNP APCH operations in at least one aircraft type
- Experience on FMS/GNSS equipped transport category aircraft