

PRM

(PRECISION RUNWAY MONITORING)

PILOT SPECIALTY COURSE SERIES

SUMMARY

Covers the operating requirements for Precision Runway Monitored Approach (PRM) operations. The course includes differences between an Instrument Landing System (ILS) / PRM and a Localizer-type Directional Aid (LDA / PRM or SOIA) approach, training requirements, approach components, and TCAS operations.



TARGET POPULATION

Experienced Airline Pilots

Great for pilots requiring initial or recurrent training.



REGULATORY COMPLIANCE*

- ICAO / EASA / FAA / Transport Canada
- Maintains compliance with IOSA standards



DELIVERY MODE

100% online, self-guided



COURSE LENGTH

1 hour

LESSON 1: General

In this lesson we will cover the meaning of Precision Runway Monitored Approach (PRM), the difference between an Instrument Landing System (ILS) / PRM, and a Localizer – Type Directional Aid (LDA / PRM) known as a Simultaneous Offset Instrument Approach (SOIA), and also the training required to legally conduct a PRM approach:

- PRM Approaches
- ILS / PRM Approaches
- LDA / PRM or SOIA Approaches
- PRM Training Requirements
- ATC Monitoring
- No-Transgression Zone (NTZ)
- Blunders
- Breakouts
- Quiz

LESSON 2: PRM Flight Operations – Approach

- Crew Qualifications
- Approach Briefings
- Autopilot Requirement / Operation
- ILS / PRM Approaches
- LDA / PRM or SOIA Approaches
- Visual Segments
- Quiz

LESSON 3: Breakouts

- Manoeuvre Requirements
- Hand-Flown Breakouts
- Descending Breakouts
- Phraseology
- TCAS Considerations
- Quiz

LESSON 4: Route Manual Information

In this lesson we will review Airport Operational Information covered in respective route manuals (Jeppesen or Lido).

- Pilot Requirements
- ATIS
- Approach Charts
- Dual VHF Communication
- Autopilot Coupled Approach
- TCAS Selection
- Breakout
- Phraseology
- LDA Traffic
- Quiz

* **REGULATORY COMPLIANCE:** The PRM Approach course used in conjunction with the FAA ILS/PRM Approach for Air Carriers video meets FAA and Transport Canada PRM training requirements.

ILS/PRM Video links:

FAA: www.faa.gov/tv/?mediald=229

Airservices Australia:

www.youtube.com/watch?v=_dNNvn5jjZ4&feature=youtu.be

Reference Documents:

- ICAO Doc 9643 Manual on Simultaneous Operations on Parallel or Near- Parallel Instrument Runways.
- FAA Aeronautical Information Manual (AIM), Chap. 5, Sec. 4.
- TC Operations Specification 602
- Airservices Australia: A Pilots Guide to PRM Approaches

Operator remains responsible for obtaining approval from the regulatory authority.

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