

LOW VISIBILITY OPERATIONS

PILOT SPECIALTY COURSE SERIES

SUMMARY

Covers flight operations in low visibility conditions. The course includes basic concepts and regulatory issues, and focussing on the practical aspects of procedures for ground operations, departures and arrivals (CAT II / III). Aircraft equipment and aircrew training requirements are discussed.



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, 45 minutes

LOW VISIBILITY OPERATIONS

PILOT SPECIALTY COURSE SERIES

LESSON 1: Concepts

- Definitions
- Regulatory standards
- Operator authorization
- Aircraft equipment requirements
- Pilot qualifications
- Airport certification
- RVR installations
- Approach, runway and airport requirements
- Surface movement RADAR
- Aerodrome movement area lighting
- Approach lighting
- Runway lighting
- Quiz

LESSON 2: Departures

- Restrictions to visibility
- Visibility reporting hierarchy
- Low Visibility Operations Plan (LVOP)
- Take-off alternate
- Minimum visibility for pushback and start
- Low visibility taxiing
- Runway identification
- Determination of take-off visibility
- Emergency considerations
- Quiz

LESSON 3: Arrivals

- ILS approaches
- Approach minima
- Definitions
- Decision Altitude
- Decision Height
- Alert Height
- Required Visual Reference
- CAT III operations
- Approach briefing and considerations
- Go-around
- Autoland
- System failures on runway
- Human factors
- Expected visual cues
- Use of landing lights
- Effects of precipitation
- Ice accretion
- Low-level windshear and turbulence
- Quiz

* **REGULATORY COMPLIANCE:** The Low Visibility Ops course covers topics required in academic ground training by ICAO/EASA/FAA/Transport Canada. Reference documents include:

- ICAO EUR Doc 013 European guidance material on all weather operations at aerodromes
- EASA Annex to ED Decision 2012/019/R Acceptable Means of Compliance (AMC) and Guidance Material (GM) to Part-SPA
- FAA Order 8000.94

Operator remains responsible for obtaining approval from the regulatory authority.