



SUMMARY

This course 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

The Pelesys Low Visibility Operations course is designed for Professional Pilots requiring initial or recurrent training.

REGULATORY COMPLIANCE

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



Versions Available:
Standard

Course Length:
1 hr 10 min

LESSON 01: Concepts

In this lesson we will cover the basic concepts of Low Visibility flight operations including:

- 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

LESSON 02: Departures

In this lesson we will cover Low Visibility criteria and procedures for taxi and take-off including:

- 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

LESSON 03: Arrivals

In this lesson we will cover considerations related to Low Visibility Operations in the approach and landing phases of flight including:

- 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

LEARNING TIME AND RUN TIME

This course has a learning time of: (run time plus additional time per page to account for understanding learning points)

- 1 hr 10 min

This course has a run time of: (the base time for each page to be completed)

- 33 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Concepts	10
Departures	3
Arrivals	5
	18

REFERENCE MATERIAL

The Pelesys Low Visibility course contains the covers the topics required in academic ground training by ICAO / EASA / FAA / Transport Canada. Reference documents include:

ICAO

- Doc 9365 All-Weather Operations Manual

EASA

- AMC1.SPA.LVO.120(a)(1)
- AMC1 CAT.OP.MPA.300
- AMC1 CAT.OP.MPA.305(e)
- GM1 CAT.OP.MPA.305(f)
- GM1 CAT.POL.A.205
- AMC1 CAT.POL.A.210
- AMC1 CAT.POL.A.215
- AMC1 CAT.POL.A.225
- GM1 SPA.LVO.100
- AMC1 SPA.LVO.120

FAA

- FAR 91.189
- FAR 125.379
- FAR 125.381
- FAR 121.651
- AC 97-1A
- FAR 121.652
- FAR 97 Sub A
- FAR 91.176 EFVS
- FAR 121 Sub U
- AC 90-113A
- AC 120-29A

TC

- AC 602-002
- AC 302-001
- AC 302-006
- AC 700-007
- CBAAC 0256, 2006-07-31
- Aeronautics Act (R.S., 1985, c. A-2)
- Part I, of the Canadian Aviation Regulations (CARs) —General Provisions
- Part III, Subpart 02 of the CARs—Airports
- Part VI, Subpart 02 of the CARs—Operating and Flight Rules
- Canada Flight Supplement (CFS)
- Canadian NOTAM Procedures Manual

The operator remains responsible for obtaining approval from the regulatory authority.

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