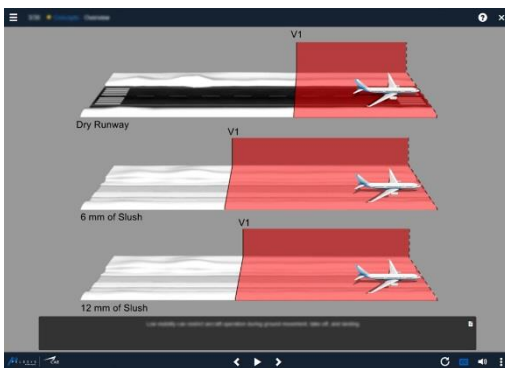


SUMMARY

This course covers flight operations on Contaminated Runways. Regulatory requirements and reporting standards for dry, wet and contaminated runways are considered.

Aircraft performance effects, including considerations for accelerate-stop distances, reduced thrust take-offs, and range of V1 speeds braking action are discussed in detail.

Reporting methods (SNOWTAMS, Runway Friction Indices) are included.

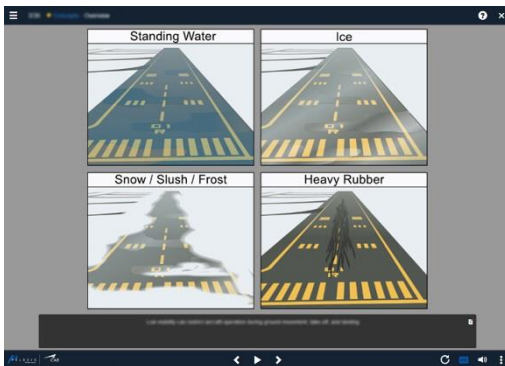


TARGET POPULATION

The Pelesys Contaminated Runways 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:
55 min

LESSON 01: Concepts and Definitions

In this lesson we will cover the basic concepts of flight operations on Contaminated Runways, including:

- Definitions
- Runway condition categorisation
- Dry runways
- Wet runways
- Contaminated runways
- Assessing contamination
- Water-equivalent contamination depths
- Other Contaminants
- Contaminants and performance
- Runway condition reporting
- Ploughing and sweeping
- SNOWTAMS
- Braking Action Reports / Friction Indices

LESSON 02: Operations and Performance

In this lesson we cover specific Contaminated Runway Operations, including:

- Impact on performance
- Performance calculations
- Reduced thrust
- Limiting field length
- Balanced field length
- Range of V1 speeds
- Precipitation drag
- Rejected take-off considerations
- Aquaplaning – dynamic, viscous, rubber reversion
- Landing distance correction
- Approach considerations
- Ice-covered runways
- Anti-skid considerations
- Runway surfaces
- Engineered Materials Arrestor System (EMAS)

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)

- 55 min

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

- 35 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Concepts and Definitions	6
Assessment and Reporting	3
Aircraft Performance and Operational Considerations	16
	25

REFERENCE MATERIAL

The Pelesys Contaminated Runway Course provides pilots and operators with information needed to identify, understand and mitigate risks associated with operations from contaminated runways. It is based on information outlined in:

ICAO

- DOC 9385 Manual of All-weather Operations

EASA

- AMC1.ORO.FC.230
- GM2 CAT.OP.MPA.250
- AMC1 CAT.POL.A.200
- AMC1 CAT.POL.A.230-235
- AMC1 CAT.POL.A.330-335
- AMC1 CAT.POL.A.430-435

FAA

- AC 25-31
- AC 120-107
- AC 120-60B
- AC 120-58
- AC 120-117
- AC120-11

TC

- TP 14186 - Runway Surface and Aircraft Performance
- TP 14189 - Icing Awareness and Training
- TP 14188 - Meteorology and Miscellaneous Winter Flying Hazards
- AC 302-013
- AC 700-016
- AC 705-005

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

[Click to request more information](#)