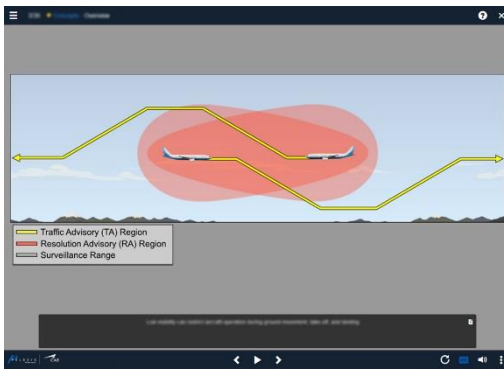


SUMMARY

This course covers the operation and use of Traffic Alert and Collision Avoidance Systems (TCAS). The course emphasises operation of TCAS equipment and the flight procedures that are required for response to TCAS Traffic Advisory (TA) and Resolution Advisory (RA) warnings. Information relating to TCAS II version 7.1 is included in the course.

This course is available in three versions; one version describes conventional (generic) equipment installations, while the other versions describe (respectively) typical Airbus and Boeing displays.

The course is available in versions for standard, A330, B737 and B777 aircraft, showing aircraft instrumentation for each type.

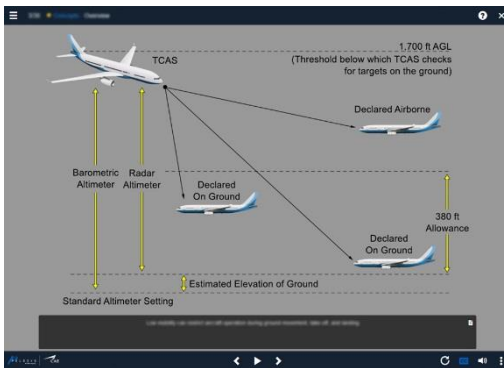


TARGET POPULATION

The Pelesys TCAS 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: Basic Concepts

In this lesson we cover:

- TCAS I and TCAS II systems
- Traffic Advisory (TA) warnings
- Resolution Advisory (RA) warnings
- TCAS limitations

LESSON 02: Operational Factors

In this lesson we cover:

- TCAS control panel operation
- TCAS message indications
- TCAS traffic symbols
- Proximate traffic
- Collision threats
- Resolution Advisory (RA) scenarios

LESSON 03: Flight Procedures

In this lesson we cover:

- Flight procedures - Traffic Advisory (TA) warnings
- Flight procedures - Resolution Advisory (RA) warnings
- Accident review

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)

- 30 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Basic Concepts	13
Equipment Installation	12
Flight Procedures	4
	29

REFERENCE MATERIAL

The Pelesys TCAS course provides information for pilots on the TCAS systems in use in modern jet aircraft and operational practices and considerations when using TCAS in line operations. This course is based on information contained in:

EASA:

- Commission Regulation (EU) No 1332/2011
- AMC3 ORO.MLR.100 - 8.3.6 - Requirements for TCAS
- EUROCAE ED-143

FAA:

- FAA RCTA MOPS - TCAS II DO185B
- FAA RCTA MOPS - TCAS I - DO-197A
- FAA Advisory Circular 20-151A
- FAA Advisory Circular 120-55C
- FAA Order 7110.65
- FAA Airman's Information Manual

ICAO:

- Doc. 4444 of ICAO - PANS-ATM, "Procedures for Air Navigation Services - Rules of the Air and Air Traffic Services"
- Doc. 8168 of ICAO - PANS-OPS, "Procedures for Air Navigation Services - Aircraft"
- Doc. 9863 of ICAO - "Airborne Collision Avoidance System II (ACAS II) Manual" FAA Introduction to TCAS II Version 7.1 - Feb 28, 2011
- ICAO Annex 10 - Standards and Recommended Practices and Guidance Material for Airborne Collision Avoidance Systems

TC:

- TC AC 700-004 - Airborne Collision Avoidance System Advisory Material
- TC CAR 537 - Airworthiness Standards Appliances

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

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