



## SUMMARY

This course covers the basic principles of flight operations in Reduced Vertical Separation Minima (RVSM) airspace.

The course includes operational requirements for aircraft and flight crews, addresses differences for operation in Metric RVSM Airspace and outlines procedures for no-RVSM aircraft.

## TARGET POPULATION

The Pelesys RVSM course is intended for Professional Pilots and Flight Dispatchers requiring initial or recurrent RVSM training.

## REGULATORY COMPLIANCE

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

Versions Available:  
Standard

Course Length:  
45 min

## LESSON 01: RVSM General

In this lesson we will cover:

- RVSM definitions
- Benefits of RVSM
- Level of safety
- RVSM implementation
- Operator approval
- Required aircraft equipment
- Maintaining approval
- Equipment accuracy
- Flight crew training

## LESSON 02: Operational Requirements and Procedures

In this lesson we will cover:

- RVSM capability
- ICAO flight plan
- Weather considerations
- External inspections
- Flight deck checks
- Height Monitoring Units (HMU)
- Altimeter errors
- Track offsets
- Autopilot operation
- TCAS operation
- Equipment faults
- ATC notification
- Defect reporting

## LESSON 03: Metric RVSM Airspace

In this lesson we will cover:

- Russian Federation and Adjacent States
- Metric RVSM airspace
- China RVSM airspace and Flight Level Allocation Scheme (FLAS)
- Conversion placard
- Flight planning
- Entering metric RVSM airspace
- Rounding errors
- Exiting metric RVSM airspace
- Altitude deviation

## LESSON 04: Non-RVSM aircraft

In this lesson we will cover:

- Flight planning
- Exemptions without pre-approval
- Exemptions with pre-approval
- Aerial photography
- RVSM transitions
- Loss of RVSM capability
- Abnormal operations

## 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)

- 45 min

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

- 32 min

## Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
RVSM General	5
Operational Requirements and Procedures	10
Metric RVSM Airspace	3
Non-RVSM Aircraft	4
	<b>22</b>

## REFERENCE MATERIAL

This course is based upon information contained in the following documents:

### FAA

- FAA AC 91-85B Authorization of Aircraft and Operators for Flight in Reduced Vertical Separation Minimum (RVSM) Airspace

### ICAO

- ICAO Document 9574 - Manual On Implementation of a 300m (1000 ft) Vertical Separation Minimum Between FL290 and FL 410 Inclusive
- NAT DOC 007 - North Atlantic Operations and Airspace Manual - V 2017-1

### TC

- Transport Canada AC 700-039 - Requirements to obtain Reduced Vertical Separation Minimum (RVSM) Special Authorization

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

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