



SUMMARY

This course outlines the operational requirements in the North, Central, and South Pacific oceanic regions.

The emphasis is on track development, issuance, and usage and navigation requirements in the North Pacific (NOPAC), Central Pacific (CEP), and the Pacific Organized Track System (PACOTS).

The course also covers the communication requirements and various emergency contingency procedures required during Pacific operations.

TARGET POPULATION

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

REGULATORY COMPLIANCE

- ICAO / EASA / FAA
- Maintenance compliance with IOSA standards

Versions Available:
Standard

Course Length:
45 min

LESSON 01: Introduction

In this lesson we present an introduction to Pacific Operations:

- Definitions - Pacific Regions
- Pacific Region FIRs

LESSON 02: North Pacific

In this lesson, we cover:

- NOPAC CRS Route system track description and usage
- Oceanic Transition Routes (OTR) and NCA transition routes
- NOPAC CRS separation requirements
- NOPAC CRS reroute procedures
- PACOTS track development and designations
- PACOTS track issuance and validity times
- Gateway reservation list
- PACOTS track advisory procedures
- Track message examples
- User Preferred Routes (UPR)

LESSON 03: Central Pacific / South Pacific

In this lesson, we cover:

- CEP track description and usage
- CEP track separation including "Mach Number Technique"
- South Pacific fixed tracks and UPRs
- South Pacific RNP-4 areas
- Australian Organized Track Structure (AUSOTS) description

LESSON 04: Navigation and Communication

In this lesson, we cover:

- RVSM, RNP-10 requirements
- Aircraft position plotting requirements
- NOPAC CRS navigation cross-check requirements
- VHF and HF radio requirements and procedures
- HF SELCAL requirements
- Pacific region SATCOM coverage
- CPDLC description and procedures
- ADS description
- Metric weather unit conversions

LESSON 05: In-flight Contingencies

In this lesson, we cover:

- Degradation of navigation capability procedures
- Urgency call and emergency call protocol
- Unable to comply with current clearance procedures
- Engine failure or depressurization procedures
- ETOPS significant system failure
- Weather deviation procedures
- Wake turbulence and SLOP procedures

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)

- 29 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Introduction	1
North Pacific	7
Central Pacific / South Pacific	3
Navigation and Communication	6
In-flight Contingencies	7
	24

REFERENCE MATERIAL

This course focuses on core elements of Pacific Operations including; Air Traffic Services, communication, and emergency procedures. Reference documents include:

ICAO

- Doc 9613 Performance Based Navigation
- Doc 4444 PANS-ATM

EASA

- GM1 SPA.PBN.100
- SPA.PBN.105

FAA

- AC 90-105A
- AC 90-117
- AC 91-70B
- OPSEC/MSPEC/LOA Guidance A056
- OPSEC/MSPEC/LOA Guidance B034
- OPSEC/MSPEC/LOA B036
- OPSEC/MSPEC/LOA B038
- OPSEC/MSPEC/LOA B039
- OPSEC/MSPEC/LOA B040
- OPSEC/MSPEC/LOA B041
- OPSEC/MSPEC/LOA B043
- OPSEC/MSPEC/LOA B044
- OPSEC/MSPEC/LOA B046
- OPSEC/MSPEC/LOA B050
- OPSEC/MSPEC/LOA B054
- OPSEC/MSPEC/LOA B055
- OPSEC/MSPEC/LOA B059
- OPSEC/MSPEC/LOA B342
- OPSEC/MSPEC/LOA B344
- Pacific Resource Guide for U.S. Operators

This course material may be supplemented when used in conjunction with any of these Pelesys courses: PBN, CPDLC, and ETOPS / EDTO.

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

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