

# PACIFIC OPERATIONS

## PILOT SPECIALTY COURSE SERIES

### SUMMARY

**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

#### **Experienced Airline Pilots**

Great for pilots requiring initial or recurrent training.



### REGULATORY COMPLIANCE\*

- EASA / FAA / Transport Canada
- Maintains compliance with IOSA standards



### DELIVERY MODE

100% online, self-guided



### COURSE LENGTH

1 hour

### **LESSON 1:** Introduction

- Definitions – Pacific Regions
- Pacific Region FIRs

### **LESSON 2:** North Pacific

- 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 3:** Central Pacific / South Pacific

- 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 4:** Navigation & Communication

- 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 5: In-Flight Contingencies

- 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

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

- FAA AC 91-70A
- ICAO Doc 4444 PANS-ATM
- Airservices Australia Off Air Routes Planning Manual

Operator remains responsible for obtaining approval from the regulatory authority.

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