

NORTH ATLANTIC OPERATIONS

PILOT SPECIALTY COURSE SERIES

SUMMARY

Covers the structure of airspace, aircraft equipment requirements and separation standards used by Air Traffic Control in North Atlantic Operations. Included are the route structures used in North Atlantic operations, communication procedures, normal flight procedures and contingency procedures.



TARGET POPULATION

Experienced Airline Pilots

Great for pilots requiring initial or recurrent training.



REGULATORY COMPLIANCE*

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



DELIVERY MODE

100% online, self-guided



COURSE LENGTH

1 hour, 45 minutes

LESSON 1: Airspace and Separation

- North Atlantic Minimum Performance Specification Airspace (NAT MNPS)
- Canada Minimum Navigation Performance Specification Airspace (CMNPS)
- CMNPS transition airspace
- Canada Required Navigation Performance Capability (RNPC)
- Structure airspace in Canada
- Reduced Vertical Separation Minimum (RVSM)
- Required Navigation Performance (RNP)

LESSON 2: Route Structures

- NAT Organized Track Structure (OTS)
- North American routes (NAR)
- North Atlantic Routing Scheme (NERS)
- Arctic Control Area Tracks
- Using routes in Northern Control Area Tracks
- Using routes in Southern Control Area Tracks
- Using routes in Western Atlantic Route Structure (WATRS)
- Blue Spruce Routes

LESSON 3: Communications

- Aeradio
- Selective calling (SELCAL) and transponder
- HF theory
- Standard HF air-ground message types and formats
- Meteorological reports
- When-Able-Higher (WAH)
- Aeradio Operators
- Controller Pilot Datalink Communication (CPDLC)
- Oceanic clearance procedures

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LESSON 4: Normal Procedures

- Flight planning
- MEL Items
- Preflight actions
- Flight plan data entry
- Oceanic clearance
- Navigation accuracy
- Transponder operation
- Met reports
- SLOP
- Position plotting

LESSON 5: Contingency Procedure

- Company-specific standard operating procedures related to contingencies

* Operator is responsible for obtaining approval from the regulatory authority.