King Schools Online
Internet Learning Programs

North Atlantic High Level Airspace (NAT HLA) Operations

Flight Crew Certification Course

SYLLABUS

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North Atlantic High Level Airspace (NAT HLA)
Pilot Training Syllabus

INTRODUCTION
The King Schools Online North Atlantic High Level Airspace (NAT HLA) Flight Crew Certification Course meets the pilot training requirements for MNPS operations. This course:

- Includes Special Emphasis for operators seeking approval for operations required under 14 CFR Part 91.705
- Includes resources for determining the correct Contingency Procedures in North Atlantic High Level Airspace (NAT HLA)
- May be used for both initial and recurrent training in Part 91 or Part 135 operations
- Is offered only through individual Internet study
- Is efficient and practical

COURSE ELEMENTS AND STRUCTURE
The King Schools Online NAT HLA Flight Crew Certification Course contains four major subject areas (Labs) with two or more distinct Lessons per Lab. Following each Lesson's study materials, the pilot sees a quiz containing multiple-choice and/or True/False questions. There are approximately 40 questions in the course. Most pilots will require at least an hour to complete this course.

COMPLETION STANDARDS
Pilots complete the course when all four Labs are checked off with a completion date on the course main menu. An individual Lab is finished after completing all of the Lessons contained in that Lab. Lesson completion requires accessing each lesson page of study materials and correctly answering all questions in the quiz associated with that lesson.

CERTIFICATE OF COMPLETION
A Completion Certificate individualized for the pilot enrolled in the Course and a logbook endorsement may be accessed at the "Print Your Course Complete Materials and Endorsement" icon/link on the main menu only after the entire course has been completed. Pilots clicking this icon/link before the Course has been completed receive a message saying that the certificate will be available after the entire course is completed.

ENROLLMENT PROCEDURES
A pilot may individually order and enroll in the King Schools Online NAT HLA course or flight departments may order multiple courses receiving a "key" for each course ordered. The flight department then assigns a key to each pilot requiring NAT HLA training. Each pilot registers individually at https://ilearn.kingschools.com for the NAT HLA course.

COURSE STUDY

The pilot first enrolls in the NAT HLA course, and then logs in to access the course. If the pilot has insufficient time to complete the course in one session, the pilot may log out. The program records all Lesson and Lab completions and every question answered. When returning to the course, the pilot may resume at the last point of progress.

LAB 1

AN OVERVIEW OF NAT HLA

LESSONS

1 What NAT HLA Is

Lesson Objective: To learn the definition of NAT HLA and get an overview of general NAT HLA concepts, including the authorizations required and how to indicate you are NAT HLA certified and capable.

2 Where NAT HLA Applies

Lesson Objective: To learn where NAT HLA rules apply.

3 Horizontal and Vertical Separation

Lesson Objective: To learn horizontal and vertical separation criteria in NAT HLA, and what happens to aircraft that are not NAT HLA certified. .

4 Routes in NAT HLA

Lesson Objective: To learn the different routes available in NAT HLA, including the North Atlantic Organized Track System (NAT OTS), and the minimum equipment required to use each type of route.

LAB 2

TRAINING AND EQUIPMENT REQUIRED TO OPERATE IN NAT HLA

LESSONS

1 Pilot Training Requirements for NAT HLA Operations

Lesson Objective: To learn the pilot training requirements for authorization to fly in NAT HLA.

2 Aircraft Requirements for NAT HLA Operations

Lesson Objective: To learn the aircraft equipment requirements to be authorized to operate in NAT HLA, including the Fault Detection and Exclusion (FDE) requirements for using GPS.

LAB 3

NAT HLA GOOD OPERATING PRACTICES

LESSONS

1 Best Practices for NAT HLA Operations

Lesson Objective: To learn best practices to avoid navigational errors in NAT HLA.

2 Communications Options

Lesson Objective: To learn required and optional communication modes when operating in NAT HLA.

3 Clearances Required for Flying Between Europe and North America

Lesson Objective: To learn clearance elements and where and how to get clearances for flights in NAT HLA.

4 Making Position and Weather Reports

Lesson Objective: To learn the international formats for position and weather reports to be used when operating in NAT HLA.

LAB 4

CONTINGENCY PROCEDURES FOR NAT HLA

LESSONS

1 Partial or Complete Loss of Navigation Systems

Lesson Objective: To learn procedures to be used in the event of navigation systems failures prior to and after entering NAT HLA.

2 Loss of Communications

Lesson Objective: To learn procedures to be used in the event of communication systems failures prior to and after entering NAT HLA.

3 Deviation around Severe Weather

Lesson Objective: To learn procedures to be used with and without ATC clearance to deviate around severe weather in NAT HLA.

4 Wake Turbulence

Lesson Objective: To learn how to apply Strategic Lateral Offset Procedures (SLOP) to avoid wake turbulence in NAT HLA.

5 TCAS Advisories

Lesson Objective: To learn appropriate responses to TCAS Traffic Advisories (TAs) and Resolution Alerts (RAs) in NAT HLA.

6 Unable to Maintain Clearance (Altitude or Airspeed)

Lesson Objective: To learn procedures to be used when you are unable to maintain your assigned airspeed or altitude, and cannot get an amended clearance, in NAT HLA.

7 Contingency Procedures

Lesson Objective: To learn the contingency procedures to be used during an emergency diversion to fly an offset level and track before starting a diversion or making a turn-back when you are unable to get or until you obtain a revised clearance.