

LOAD CONTROL COURSE



About Course

The Basic Load Control Course has been designed to provide participants of the air transportation industry with the skill to control the weight and balance of a departing flight and complete the required load documentation, e.g., load plan, load sheet, and trim sheet of a narrow-bodied aircraft efficiently and professionally at a basic level according to the prevailing international industry standard.

Who should Attend

Executives, Officers and Agents for: Airline airside ground operations, Airport airside ground operations, Ground handling agents, Airside ground operations, Load Supervisor.

Learning Outcomes

By the end of this course, participants will be able to:

- Understand the critical role of Aircraft Load Control in ensuring flight safety, efficiency, and regulatory compliance.
- Identify and interpret key load control documents, including load sheets, balance charts, and trim sheets.
- Calculate aircraft weight and balance, ensuring proper distribution of cargo, baggage, and passengers.
- Apply industry-standard methods for load planning, ensuring optimal fuel consumption and flight stability.
- Demonstrate the ability to use load control systems and software to manage real-time flight data and loading plans.
- Address the specific requirements of different aircraft types when it comes to load control and balance.
- Recognize the impact of improperly managed load control on aircraft performance and safety.
- Collaborate effectively with ground operations teams to ensure safe and timely load management.
- Evaluate load distribution and make decisions based on current conditions, such as fuel, weather, and cargo changes.
- Gain practical experience through simulations, applying load control principles in realistic flight scenarios.

Training Methodology

- Classroom Instruction
- Interactive Discussions
- Practical Simulations
- Hands-on Exercises
- Case Studies and Scenario-Based Learning
- Team Exercises
- Assessment and Feedback
- Final Practical Evaluation

Course Overview

- Aircraft description, parts, types, flight controls
- Forces that influence flight and aerodynamics
- Aircraft weights based on structure and operations
- Principles of aircraft balance
- Fuel usage
- Structural strength and fuselage limits
- Loading limitations
- Aircraft load distribution guidelines
- Normal types of loads
- Loads that need special attention
- Introduction to a conventional type of aircraft, its features
- Completing different load control documents

Exam and Certification

- Mode of Exam: Offline exam with supervision
- Format: Closed course book exam.
- Time Allowance: 3 hours
- Passing Grade: 75% correct answers
- Number of exam attempts: 1

An KHDA Certificate of Completion is awarded to participants successfully passing the final exam.

Course Duration

Six Days

Timings

36 Hrs.

Breaks

Two tea/coffee (mid-morning & late afternoon) breaks of 20 minutes each & a 40-minute lunchbreak

Prerequisite

- The training will be conducted in English. Participants should have a basic understanding of the English language.