



ULD Build-up Training

2-day classroom course (16 hours)

This course can be [customized for your company](#) and delivered at the location of your choice.

This course will help you to recognize the different types of Unit Load Devices (ULDs) and have a clear understanding of their operating limitation. The knowledge of the airworthiness limits of ULDs and the understanding of how to prepare and restrain cargo within a ULD will help you in your daily work and enable you to establish and improve working routines leading to a boost in quality and efficiency in ULD build-up and handling.

Objectives

Upon completion of this course you will be able to:

Recognize and identify different ULD types and their characteristic abilities

Know how to plan and restrain cargo when distributing load in/on a ULD for an aircraft

Identify the special build-up procedures for odd-shaped cargo and gain knowledge in aircraft terminology, fleet and contours

Summarize the ULD certification process and explain ULD tags

Discuss the requirements concerning serviceability, storage, and transportation

Relate the definition and importance of area load and running load limits, how to ensure the build-up is within the C.G. limits, standard lashing requirements and other build-up principles

Target audience

- Warehouse staff engaged in ULD build-up tasks
- Staff engaged in warehouse supervision
- Staff involved in the load planning of aircraft and RFS services
- ULD control management staff

Key topics

- Warehouse processes and safety
- The functions and certification requirements of ULDs
- Handling, storage, airworthiness/ serviceability and operating limitations of ULDs according to ICHM/ULDR
- Planning of ULDs to optimize size/contour and weight for different aircraft types according to ICHM/ULDR/AHM
- The build-up of ULDs for aircraft and cargo restraint according to the ICHM/ULDR/AHM
- The most common mistakes made during ULD build-up and their consequences with regards to safety
- Build-up of odd-shaped cargo, AVI, PER and dangerous goods
- Restraint of "Special Cargo"

Activities

- Group work and exercises
- Observing on-the-job tasks in the warehouse

Prerequisites

There are no prerequisites for this course.

Recommended level

- Entry-level
- Intermediate

Certificate awarded

An IATA Certificate is awarded upon successful completion of the course and final examination

Table of contents

Introduction to Cargo Operations

- General philosophy
- Acceptance of ULDs
- ULD Terms and vocabulary

General Requirements of ULDs

- Basic rules of all ULDs
- Certification requirements
- Handling equipment / methods
- Types: containers, pallets and nets, certified and non-certified

Aircraft Terminology

- Narrow vs. wide body aircraft
- Freighters versus passenger aircraft

ULDs, Fleet and Contours

- Contours of aircrafts – lower and main deck Containers, pallets and nets
- Fire resistant container
- Refrigerating container

ULD – Serviceability

- Airworthiness of ULDs
- Serviceability limits, ULD repairs and unserviceable ULDs, ODLN
- Damage reporting

ULD Maximum Floor load limits

- How to calculate maximum floor load limit for main deck/lower deck containers and pallets
- Center of gravity

Build up Principles and Securing Cargo

- Preparing accessories
- Cargo tie-down elementary
- Restraining, closing and edge profiles of base
- Installing of nets
- Door strap nets, tie-down ropes, straps and rings
- Base plate and corners

ULD – Weighing and Tags

- Responsibilities
- Certification/Training of build-up and staff
- Weighing of ULDs: a safety aspect
- Correct completion of ULD tags

ULD and Special Cargo

- Dangerous goods in ULDs
- Live Animals in ULDs
- Perishable Cargo in ULDs
- Temperature controlled ULDs
- Securing of barrels, drums and jerrycans, cable reels
- Pipes, bars and overhangs

Storage and Handling of ULDs

- Storage of empty and built-up containers/pallets, nets
- Handling of empty and loaded containers/pallets

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www.iata.org/training-tcgq-01

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