

Cargo Warehouse Operations and ULD Build-up

4-day classroom course (32 hours)

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

This course is designed for participants engaged in Warehouse Operations including ULD handling, ULD Airworthiness control and ULD Build-up either at an elementary or supervisory level. During the course you will have a chance to observe practical work in the warehouse and link it together with classroom theory.

Objectives

Upon completion of this course, you will be able to:

Know and execute IATA and regulatory compliances in the warehouse

Confidently control, handle, store and determine ULD airworthiness and weight limits

Summarize the ULD certification process

Identify the different ULD types and loadability

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

Identify the different loading procedures for non-standard cargo

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 and loadability of ULDs
- Planning of ULDs in maximum size/contour and weight for different aircraft types according to the ULDR/AHM
- The build-up of ULDs for aircraft and cargo restraint according to the ULDR/AHM
- Observing on the job ULD build-up in practice
- Loading of non-standard cargo such as AVI, PER and dangerous goods and restraint of "Special Cargo"

Activities

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

Prerequisites

The recommended level of language proficiency is [ICAO Operational Level 4](#) for courses in English or the equivalent level for other languages.

Recommended level

- Entry-level
- Intermediate

Certificate awarded

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

Please note that this Certificate is only valid for 24 months.

Table of contents

Warehouse processes

- Stakeholders in air cargo
- Air cargo supply chain
- Safety and security
- Warehouse design
- The six pillars
- Cargo acceptance
- Air cargo documentation

ULDs in the warehouse

- Pallets and containers
- ULD transport equipment
- ULD storage
- ULD control

ULD handling

- ULD certification process
- Relationship between ULD and aircraft
- Airworthiness of ULDs /ODLN
- Flight safety requirements

ULD build up and breakdown process

- General build up/breakdown rules
- Inspection of ULDs
- Structural weight limits of ULD and aircraft
- Floorload limits, area, local and linear load
- Detailed instructions on shoring

Associated diplomas

You may also apply this course toward an IATA Diploma in [Pharmaceutical Handling](#).

Cargo restraint (Lashing)

- Forces in the air
- Restraint on pallets and in containers
- Restraint material and their limits
- Restraint in the aircraft "Special Cargo"
- Case studies

Warehouse visit

- Exercising the theoretical knowledge gained
- Review of the practical job work

Special loads (non-standard cargo)

- Metal drums, overlappings, live animals
- Dangerous goods
- Temperature controlled goods
- Perishable goods
- Summary and final Q&A
- Final examination