

Load Controller - Theoretical training - Initial

Traffic Agent



LEVEL

Initial training



TARGET AUDIENCE / RELEVANT STAFF

An airline or ground handling company's agent in charge to perform the Load Control function as defined by AHM 590 / IATA procedure.



OBJECTIVES

- Know how to prepare, complete and check the different loading documents.
- Know how to coordinate the different activities during aircraft turnaround.



CONTENTS

Theoretical

- Air transport Legislation.
- Role and responsibilities / The IATA "Load Control" procedure .
- Principles of (un) loading aircraft: Different types of aircraft / Load Planning / Optimum Trim / Holds / IATA Loading codes / Structural limitations / Stability of the aircraft - Tipping / Priorities of (un) loading / Cargo with particularities / ULD's / Securing of loads in the hold.
- Theory of Flight / the 4 forces / Flight controls
- Aircraft weight and balance: Aircraft Weight (Basic Weight, DOW) / Maximum Operating Weight (MZFX, MTXW, MTOW, MLAW) / Operating Weight / Payload / Allowable Payload / LMC /
- Fuel Principles: Ramp Fuel, Taxi Fuel, Take-off Fuel, Trip Fuel, Landing Fuel, Ballast Fuel, Fuel Loading, Alternate Fuel
- Principles of Balance ; Center of Gravity CG, Movement of CG, Mean Aerodynamic Chord MAC, Reference Chord RC, Safe range of MAC by percent.
- Structural Strength Limits: Structure, Fuselage, Hold/Compartment/Loading Position Limits.
- Load Control and Distribution: Consequences of an improper loading on flight and safety / ULD/ Area load limitations / Floor loading limitations / Loading restraint systems and principles.
- Loading instruction Report: Preparation, Lay-out, Responsibilities, Communication, Signatures
- Loadsheet and Trim Sheet: Lay-out, Manual and EDP Load and Trim Sheet, Preparation, LMC procedures, Cross-Check, Completion and Finalization.
- Messaging: Arrival MVT/ Load Message LDM / Flight file / Delay / Departure Messages MVT/LDM/CPM/BKM/UCM/SLS
- Coordination of the different activities during aircraft turnaround : General rules of safety and security / Co-activity / Turnaround Chronology.
- Assimilation Exercises related to Loadsheet, Trim Sheet and Loading Instruction Report completion and finalization. and



Duration indicative basis

63 hrs / 9 days.



Prerequisites

There are no prerequisites for this course.



Method

- Theoretical course in classroom.
- A qualified and experienced trainer provides the training action



Evaluation

- **Theoretical** : Continuous Application Exercises / Written validation test (minimum 80% correct answers required). IATA / AHM 1110



Validity

Maximum 3 years (recommendation IATA / AHM 1110)



Contact

☎ + 33 1 48 16 37 24

✉ ifma@geh.aero

🌐 <http://www.ifma-formation.fr/en/>

