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COURSE BROCHURE

Air Freight Supply Chain and Aviation Logistics Training Course

4 – 8 April 2027
Muscat

Air Freight Supply Chain and Aviation Logistics Training Course

Ref: 198_6029 **Date:** 4 – 8 April 2027 **Location:** Muscat **Fees:** 6500 GBP

Air Freight Supply Chain and Aviation Logistics is a 1-week training course for logistics coordinators, freight forwarders and airline cargo sales and procurement staff, who leave with an air freight logistics flow and cost plan for one trade lane. Manufacturers, pharmaceutical firms and online retailers now rely on air freight for speed, while airlines need spare parts moved within hours when an aircraft is grounded. The course is delivered by Jupiter Prime Training.

Why Air Freight Supply Chain and Aviation Logistics Matter Now

Three groups shape the air freight supply chain today. Shippers of medicines, electronics and fashion expect door-to-door visibility and reliable transit times at a price they can defend. Forwarders and airlines face swings in capacity and rates as passenger networks, freighter fleets and fuel costs change. Maintenance organisations depend on fast movement of engines, rotables and tools to return grounded aircraft to service. A business that plans its air freight well cuts stock, protects product quality and keeps aircraft flying; one that books ad hoc pays premium rates and loses shipments to delays. The course rests on total landed cost modelling and service-level design across the shipper, forwarder and carrier chain.

Who Gains Most from Air Freight Supply Chain and Aviation Logistics

- Logistics coordinators who plan inbound and outbound air shipments for manufacturers or retailers
- Freight forwarding staff who quote, book and consolidate air freight for shippers
- Airline cargo sales staff who sell capacity and manage key forwarder accounts
- Procurement staff who tender air freight and logistics service contracts
- Aviation materials staff who move spare parts and tools for maintenance

A business gains most when its logistics, procurement and customer service staff attend together and agree one approach to booking, costing and tracking air shipments.

Air Freight Supply Chain and Aviation Logistics Capabilities

Participants practise choosing routes, rates and service levels for real air shipments and showing the cost and risk of each choice.

- Weigh air, sea-air and express options against transit time, cost and stock levels — supply chain planners
- Calculate total landed cost including freight, surcharges, duties and handling — finance and procurement
- Specify capacity booking and allocation arrangements with carriers — forwarder and airline account managers
- Design a cold chain lane for temperature-sensitive products — pharmaceutical quality leads
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Build a rapid response process for aircraft on ground spare parts — maintenance control
- Communicate shipment status and exceptions to customers — customer service leads

Key Air Freight Supply Chain and Aviation Logistics Terms

- Freight forwarder — a company that arranges transport, documents and customs for shippers, often consolidating several consignments.
- Consolidation — combining shipments from different shippers into one master consignment to obtain better carrier rates.
- Total landed cost — the full cost of delivering goods, including freight, surcharges, duties, insurance and handling.
- Cold chain — an unbroken temperature-controlled journey that protects products such as vaccines and fresh food.
- Aircraft on ground AOG — a situation where an aircraft cannot fly until a missing part or repair is delivered.
- Block space agreement — a contract reserving a fixed amount of aircraft capacity for a forwarder on chosen flights.

Air Freight Supply Chain and Aviation Logistics Day by Day

Day 1: The Air Freight Supply Chain

- Air Freight Market Structure — Belly, Freighter, Integrator and Forwarder Roles
- Mode Choice Analysis — Air Versus Sea-Air and Road Feeder
- Demand Drivers by Sector — Pharmaceuticals, Electronics, E-Commerce and Perishables
- Trade Lane Mapping — Origin, Hub and Destination Bottlenecks
- Service-Level Design — Transit Time Promises to Customers

Day 2: Capacity, Rates and Forwarding

- Capacity Booking Channels — Spot, Allotment and Block Space
- Air Freight Rate Structures — Weight Breaks and Surcharges
- Consolidation Planning — Master and House Shipment Economics
- Forwarder Selection Criteria — Network, Visibility and Claims Record
- Freight Tender Design — Lanes, Volumes and Service Measures

Day 3: Customs, Documentation and Compliance

- Export and Import Clearance Steps — Release Time Drivers
- Commercial Invoice and Packing List Accuracy — Avoiding Holds
- Tariff Classification and Valuation — Duty Exposure Decisions
- Trusted Trader Arrangements — Faster Border Processing
- Trade Terms Allocation — Who Pays and Who Bears Risk

Day 4: Cold Chain and Aviation Spare Parts

- Temperature-Controlled Packaging Options — Active and Passive Containers
- Cold Chain Lane Qualification — Temperature Excursion Prevention
- Aircraft on Ground Response Process — Sourcing to Delivery Timeline
- Rotable and Repair Loop Logistics — Pool and Exchange Choices
- Hand-Carry and Next-Flight-Out Services — Urgency Versus Cost

Day 5: Practising the Air Freight Logistics Flow and Cost Plan

- Lane Design Exercise — Applying Mode Choice and Trade Lane Mapping
- Landed Cost Calculation — Applying Rate Structures and Duties
- Cold Chain Shipment Case — Applying Lane Qualification Steps
- Shipment Visibility Dashboard — Tracking Milestones and Exceptions
- Air Freight Logistics Flow and Cost Plan — Lane, Partners and Budget

Applying Air Freight Supply Chain and Aviation Logistics After the Course

- Recalculate the total landed cost of the busiest air lane and compare it with current rates and service levels.
- Map the aircraft on ground response for one critical part and agree faster steps with suppliers and forwarders.

Air Freight Supply Chain and Aviation Logistics Questions FAQ

What is air freight supply chain and aviation logistics, and why does it matter now?

Air freight supply chain and aviation logistics is the planning of how goods and aircraft parts move by air, from booking and pricing to customs and delivery. It matters now because shippers need speed and visibility while capacity and rates keep changing.

Which roles gain most from air freight supply chain and aviation logistics training?

Logistics coordinators, freight forwarders and airline cargo sales staff gain most, along with procurement and aviation materials staff. If you book, buy or sell air freight, you gain tools for comparing routes, rates and service levels.

How does air freight supply chain and aviation logistics training differ from an air cargo operations course?

It looks at the commercial and planning chain rather than terminal handling. An air cargo operations course focuses on acceptance, build-up and loading; this course covers mode choice, rates, forwarding, customs, cold chain lanes and spare parts logistics.

What do you bring back from air freight supply chain and aviation logistics training?

You bring back a plan for one air freight lane that sets the route, partners, service levels and full landed cost. It gives your managers a clear basis for booking and tender decisions.

Air Freight Supply Chain and Aviation Logistics: The Way Forward

The air freight logistics flow and cost plan first informs which carriers and forwarders handle the chosen lane and at what service level. Logistics coordinators, procurement staff and customer service leads use it when booking and tendering. After the first quarter, revisit transit times, cost per kilogram and exceptions to decide whether partners or routing should change.