



ABI2205 Airline Logistics Management

Let's practice for
the conversation

U10 Airline Logistics Management

Cargo operations

- 01**
- Booking – AWB, HAWB
 - Documentation Export - Import

Cargo procedure

- 02**
- Export Procedure
 - Import Procedure

Cargo Equipment

- 03**
- Within the Terminal

Mail and Express

- 04**
- Mail
 - Express

Summary / Q&A

- 05**
- Q&A



Logistics & Supply Chain

Concept	Logistics	Supply Chain
Scope	Narrow (inside one company)	Broad (many companies working together)
Focus	Moving, storing, delivering goods	End-to-end flow of products, money, and information
Activities	Transport, warehousing, inventory	Sourcing, production, logistics, distribution
Objective	Efficiency & cost control	Value creation, coordination & customer satisfaction
Time frame	Short-term operations	Long-term strategy + operations
Example	Delivering Pepsi to the store	Entire journey of Pepsi from ingredients to customer

Logistics & Supply Chain

Supply Chain = Big picture

 From raw materials → production → logistics → retail → customer

Logistics = One part of the supply chain

 How to move and store products efficiently.

Example – Making Pad Thai

Supply Chain = Entire process

Buy ingredients

Store them in the kitchen

Cook Pad Thai

Serve to customer

Clean up

Logistics = Only the moving & storing parts

Storing ingredients in the fridge

Transporting ingredients from market to kitchen

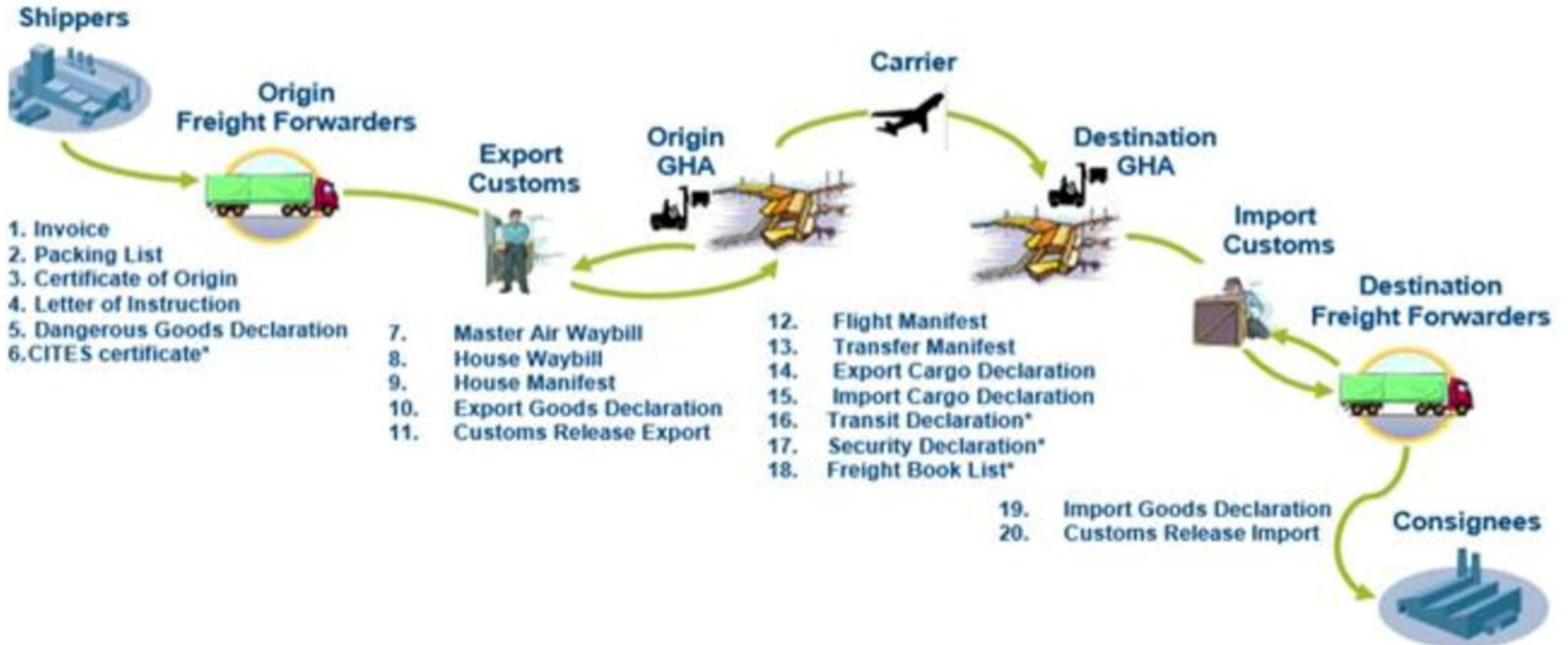
Organizing what's in the pantry

 **Supply Chain = the whole restaurant system**

 **Logistics = movement & storage of ingredients**

Cargo Procedure

Source: <https://www.semanticscholar.org/paper/Analyzing-the-Effects-of-e-Freight-within-the-Air-%3A-Franz-Danciu/>



Cargo Operations

Types of Operators



Integrators

Passenger Airlines

Cargo Airlines

Integrators



Door-to-Door service which includes pickup, packaging, air transportation, customs processing and delivery. Time-sensitive, has their own network of aircraft and trucking service around the globe, may be wholly owned or contracted to other carriers

Sources: FedEx/DHL airwaysmag.com

Passenger Airlines

They sell the empty space in the aircraft belly after all pax's bags are accounted for. This amount of space – expressed in volume and weight can vary significantly based on aircraft, route, load factors and time of the year.



Cargo Airlines – Cargo aircraft only

They operate all-cargo aircraft which can differ in size and capacity. They can be in their own right or be a part or subsidiary of a passenger airlines. Ranging from small bulk-hold, narrow-bodied to large containerized wide-bodied freighters – B747.

Sources: Sky Team





Section Break

Let's take 10 mins break

Ground Handling - Export

Ground Handling - Operations

Contact the airlines to book the space

Acknowledge where to do the cargo operations ie. TG Operator or BFS Operator

Take the shipments to check for Acceptance

Acceptance checks for booking – AWB/HAWB, DGs the X-Ray

Waiting for loading in the set area for airlines

Cargo Ground Handling in Thailand

Source: Thai Airways Cargo Facebook / Airfreight Logistics

Thai Airways Cargo Terminal (TG-Cargo)



Bangkok Flight Services Terminal (BFS-Cargo)

Ground Handling – Operations

The airlines will do the plan load of the shipments on the cargo equipment (ULD) – Container and/or Palettes, then let the cargo operator know about how many containers and/or palettes will be used on the flight

Once loading and the palettes are not enough for loading, contact the airline to adjust, sometimes add up, sometime cut off the cargo

Packing with wrap and waiting for loading to the aircraft at the appropriate storage



Cargo Major Equipment (ULD)

- Containers
- Pallets (Pax a/c – 160cms / Freight a/c – 300cms)
- Plastic wrap, Net, Corner protection, Corner rope

Source: Profit by Pakistan Today

Ground Handling – Documents

The documents – AWB – will be submitted to the document section to prepare in the system known as Cargo Manifest, match all the AWB with the shipments being load
(loading document from operations)

If there are special cargo; NOTOC is needed for the Captain

Preparing all documents to be onboard



Section Break

Let's take 10 mins break

Ground Handling - Import

Ground Handling - Operations

Print out the Cargo Manifest for the flight, once the aircraft landed, check the AWB to match with the Cargo Manifest

The cargo trolleys will be arrived at the terminal for Breakdown

Check the shipments to match with the AWB in the system or in the Cargo Manifest

Three types of Arrival Cargo;

Arrive BKK – store and wait for delivery,

Connecting on the flight opt within the Terminal – store and wait for flight,

Connecting on the flight opt by the Other Terminal – put on the trolley and deliver to Other Terminal

Ground Handling - Operations

Delivery; the freight forwarder will check for flight landed and check for the storage, pick up the item, check the condition and report if damage

Minor / Moderate / Severe Damage

Ground Handling - Documents

AWB envelope arrived and check for AWB store in the boxes waiting for Freight Forwarder to pick up – issuing the Delivery Order (D/O) – paying for the fee and customs formalities

Show the D/O and pick up the item, recheck by the Cargo Terminal Operator

Mail

Sources: Leghorn Group,

From the Individual Post to Center Post to be sent by Air (EMS, General Post)
Or by Sea

Post will pack all mails to the sack bag,
the top will be sealed with number of seal

Problem: some DGs mixed with mail

Mail has Higher Priority than General Cargo

If the mail came under 'Dispatch Number' = Mail

If the mail came under 'Air Waybill' = Cargo



Mail

Sources: Leghorn Group,

When the Cargo Operator received the mails, will separate to flights of each mail sack or shipment EX.SQ716 SIN

Mail cost will be higher due Doors-to-Doors

Mail Manifest, Mail Check-List

Mail from/to other operator, BFS – Mail Transfer Message



THANK YOU

Q & A

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