



# ABI2205 Airline Logistics Management

Let's practice for  
the conversation

# U8-U9 Airline Logistics Management

## Cargo operations

**01**

- Communication of information to load control
- Documentation Export - Import

## Storage

**02**

- Export Procedure
- Import Procedure

## Transit / Transfer

**03**

- Within the Terminal Procedure
- Between the Terminal Procedure

## Mail and Express

**04**

- Mail
- Express

## Cargo Process: Delivery

**05**

- Receive and Delivery



# Cargo Procedure

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



# Heavy Lift Air Transportation

Cargo that requires loading and unloading to and from aircraft with the use of non-standard ground and aircraft loading equipment

The transportation of cargo requiring special preparation of the aircraft and training for the flight crew

# Heavy Lift Air Transportation



# 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



# Section Break

Let's take 10 mins break

# Transit / Transfer

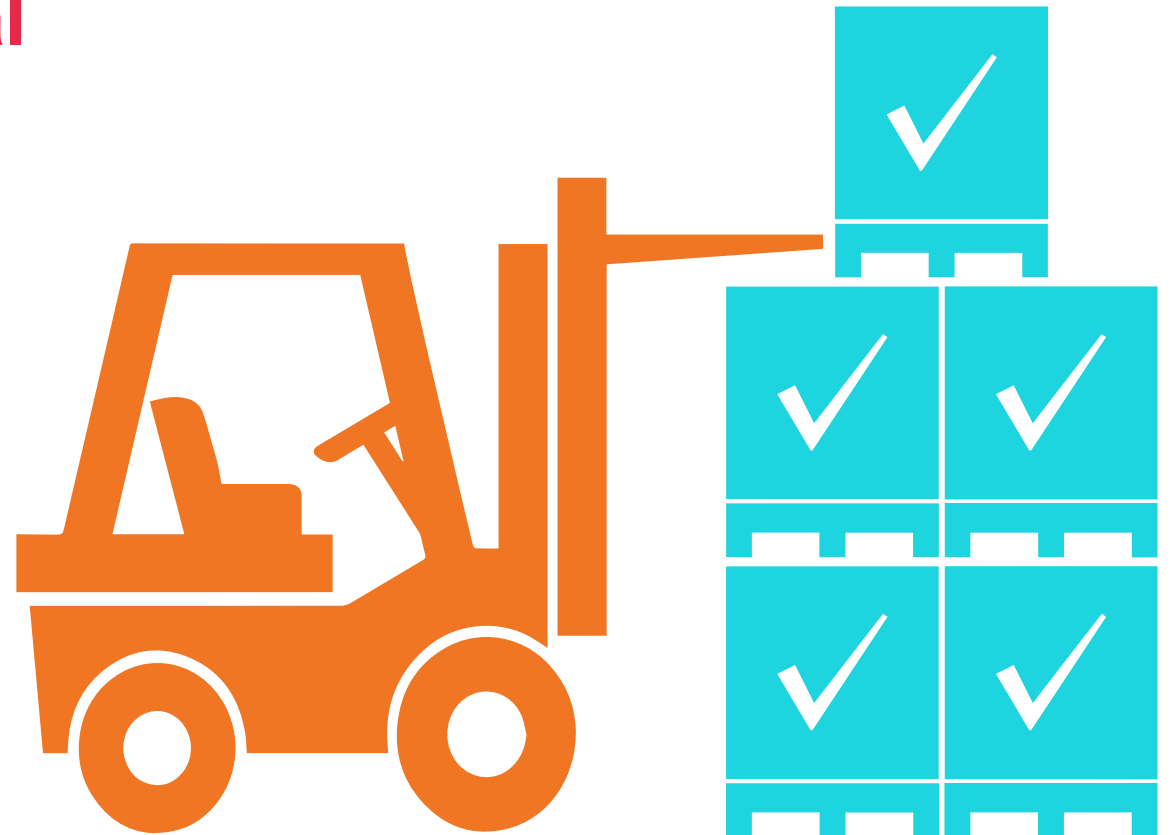
## Within the Cargo Terminal

The shipment once arrived at the destination;

1. Landed at the destination – stay at the storage
  2. Transit on another flight – TG connex TG, TG connex OAL (TG opt) if transfer within today prepare to go, if not store in the storage
  3. Transfer to other airlines which operate by different CTO – transfer to other CTO
- Need AWB, Cargo Transfer Manifest (TRM)

## Between the Cargo Terminal

Cargo Transfer Manifest (TRM) is needed  
EX. Shipment came on TG (opt by TG) connecting on LH (opt by BFS), TG operator once check the shipment will locate the shipment for transferring to BFS Terminal for their flight



# Transfer Cargo

Mode	Meaning
Trucking	Shipments are carried by trucks from their origin to the airport of departure, goods are consolidated and loaded on the aircraft. At the destination, the shipments are distributed again by truck to their actual destination
Sea-Air	On the longer-haul trade routes from Asian to Europe and North America, a combination of sea and air transport can make economic sense. Shipments need to be transferred to air containers or pallets for the second leg of journey
Rail-Air	Rail can be used for regional distribution if the hub airport has freight rail access

# Delivery

The Freight Forwarder will check about the flight which arrived, then they are going to check with the incoming AWB that their shipments arrived at the destination

The Freight Forwarder will contact with the D/O department to issue the Delivery Order and need to contact with Customs to clear the custom formalities

D/O will be shown for pickup the shipments and check once again by the Cargo Operator for that shift

The customs has the authority to check or not check for shipments

Green channel means Nothing to Declare

Red channel means Declare

# Delivery

Source: Better Packages

If the customs request to check the shipments, they will issue the Inspection Form  
Once they finished checking, the cargo operator will issue the Permit for taking out the shipments

When the freight forwarder pick up the shipments, they **NEED** to check the shipments to be in good condition, if there is any crash/bump that they think it might effect with the item inside, they need to report damage declaration before they leave the cargo terminal

Minor / Moderate / Severe Damage  
Minor damage we called as Cosmetic Damage



# Storage

Sources: Armstrong LTD, Made-in-China.com

## Automated Storage and Retrieval System



Carton Shelf

# Storage

Sources: Flickr



Area for Big Cargo Storage

Carton Shelf for small package

# Case Study

Sources: Belmont Packaging



- The Freight Forwarder sometimes  
Acting naughty



THANK YOU

Q & A

# References

Bruce, Peter J., Gao Yi,  
and King, John M. C.  
(2020). *Airline  
Operations: A practical  
guide*. USA.

Morrell, Peter S. and  
Klein, Thomas. (2022).  
*Moving Boxes By Air.  
The Economics of  
International Airline  
Logistics (2<sup>nd</sup> edition)*.  
USA.

IATA Course Textbook (2012).  
*Introduction to the Airline  
Industry*. IATA Training and  
Development Institute. Canada.

Sales, Michael. (2017). *Airline  
Logistics Management. Air  
Freight and the global supply  
chain. (2<sup>nd</sup> edition)*. USA.

