

#### Cargo

- Cargo (or freight) is goods or produce transported, generally for commercial gain, by ship or aircraft, although the term is now extended to intermodal train, van or truck.
- In modern times, containers are used in most long-haul cargo transport.

#### Air cargo

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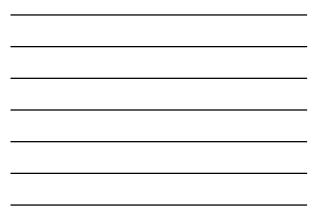
- Air cargo, commonly known as *air freight*, is collected by firms from shippers and delivered to customers.Aircraft were first used for carrying mail as cargo in 1911. Eventually manufacturers started designing aircraft for other types of freight as well.
- There are many commercial aircraft suitable for carrying cargo such as the Boeing 747 and the bigger AN-124, which was purposely built for easy conversion into a cargo aircraft. Such large aircraft employ quick-loading containers known as Unit Load Devices (ULDs), much like containerized cargo ships. The ULDs are located in the front section of the aircraft.
- Most nations own and utilize large numbers of military cargo aircraft such as the C-17 Globemaster III for logistical needs.











# AIRCRAFT VERSION

- The aircraft fuselage is divided into 2 parts
- Cabin
- Compartment

## CABIN

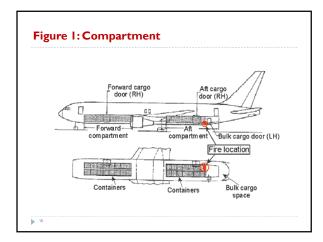
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• Is an upper part of the fuselage which is used to accommodate passengers and crews.

## **COMPARTMENT**

- Is a lower part of the fuselage which is used to carry cargo, mail and baggage.
- Divided into 3 parts
  - I. Forward Compartment
     2. Afterward Compartment
     3. Bulk Compartment





# **Unit Load Device (ULD)**

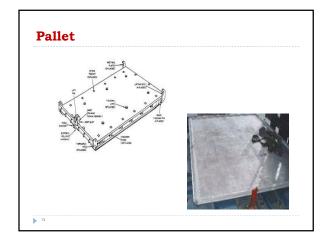
Is used to contain baggage, cargo and mail

- 3 types
  - I. Container
  - 2. Pallet
  - 3. Igloo

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# AIR CARGO TRANSPORTATION

- Air cargo has now become the vital part of International Transportation System or Logistic System which is essential to the world trade.
- It is expected that our air-freight transportation will continue to grow every year.

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## AIR CARGO TRANSPORTATION

Users of air cargo service have for many years enjoyed the advantages of speed and personalized, attention offered by air carriers which in many cases largely compensated by the relatively high cost for customers.

# Documents

- Air Waybill
- Manifest

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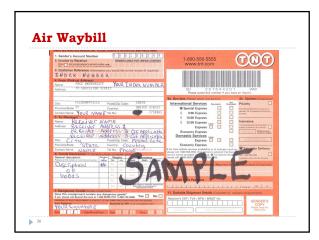
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# Air Waybill (AWB)

The document made out by or on behalf of the shipper which evidences the contract between shipper and carrier for carriage of goods over route of carrier(s).

## Air Waybill (AWB)

- The AWB serves as:
- proof of receipt of goods for carriage
- a dispatch note on which the documents to accompany and the shipper's special
- instructions are noted
- an invoice for transportation charges
- an insurance certificate if insurance coverage has been obtained through the intermediary of carrier
- the document for export, transit and import to meet the requirements of custom authorities
- a guide to the carrier's personnel for purposes of handling, dispatching and delivering the
- consignment
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## The Three AWB originals

- Original 3: Blue colour (for shipper)
- > Original 2: Green colour (for issuing carrier)
- Original I: Pink colour (for consignee)

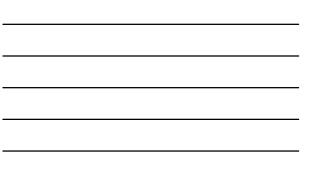
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# **Cargo Manifest**

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 A shipping document used by customs personnel reviewing a particular transport vehicle's intended trip that summarizes all bills of lading that have been issued by the carrier or its representative for that particular shipment.

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Ship to: Demo Buyer Inc - LA Warehouse 1111 S. Figureio Street Los Angeles, California 90015 United States tel: 1 000 555 5555		Shipper: outdocort-redo freightVest		CARGO MANIFEST	Separate Involvent : System Involvent : DOLL : 03 Biogen Pilot : 03 System Pilot : 05 Ancocant : 0			Ship from: Demo Suppler Inc San Peeto 655 Chennel Street San Perko, Calfornia 80731 Demo Suppler Inc San Peeto 84: 310 121 1224	
				VesselTruck: Route: Ship date: 07/16/07					
	Package/Con	tainer/etc.				Freight			
D	Type	Description	Qty	Description	Bulk	Length	Width	Height	Weight
EVINC USA USA- 122	Certons	deluxe Prema dispenser with gauge glass, 2.5 liter, 6 pack decenter cleaning mechine, the ultimate in cleaning mechines			No	20.0 inch	10.0 Inch	15.0 mch	16.0 Po
			5.0	dek.ne thermo dispersor with gauge glass, 2.5 Ber, 9 pack					
EVINC-USA-USA- 124	Cartona	deluxe therms dispersor with gauge glass, 2.5 liter, 6 pack decarter cleaning machine, the utilisate in cleaning machines			No	20.0 inch	10.0 Inch	15.0 mot	16.0 Po
			5.0	dekoa tverno dispenser with gauge plass, 2.5 liter, 6 pack					
EVINC-USA-USA- 129	Fuletz	decenter cleaning mechine, the ultimate in cleaning mechines			No	46.0 inch	43.0 inch	50.0 inch	150.0 Por
			1.0	decenter cleaning mechine, the utimate in cleaning machines					
EVNC-USA-USA- 130	Fallets	decenter cleaning mechine, the ultimate in cleaning mechines			No	48.0 inch	43.0 Inch	50.0 inch	150.0 Por
			1.0	decenter cleaning machine, the utimate In cleaning machines					
EVINC-USA-USA- 131	Palets	decenter cleaning machine, the ultimate in cleaning machines			No	48.0 Inch	43.0 Inch	50.0 Inch	150.0 Po
			1.0	decenter cleaning mechine, the utimate In cleaning mechines					
EVINC-USA-USA- 132	Paleta	decorter cleaning nachine, the ultimate in cleaning mechines			No	48.0 Inch	43.0 Inch	50.0 Inch	150.0 Po
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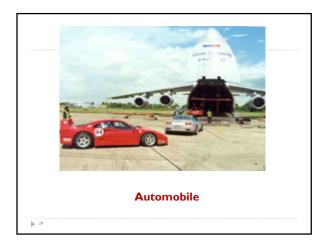


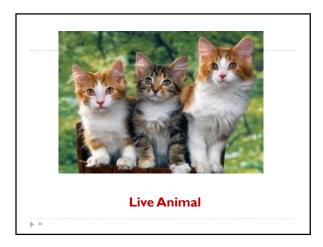
















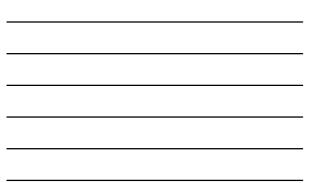
# Carrying Cargoes Onboard

# **Classification of Cargo**

- I. General Cargo
- > 2. Special Cargo
- ▶ 3. Dangerous Goods
- 4. Diplomatic Mail
- ▶ 5. Service Cargo

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# 2. Special Cargo

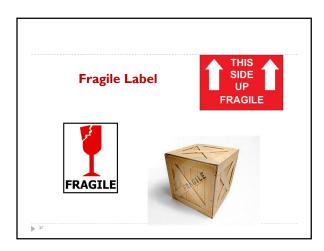
Requires special procedures for acceptance, declaring, handling, packing, loading, unloading and stowing

Types of Special Cargo

2.1 Fragile Cargo2.2 Heavy Cargo2.3 Human Remains2.4 Live Animals2.5 Magnetized Materials

2.6 Outsized Cargo 2.7 Perishable Cargo 2.8 Valuable Cargo 2.9 Vulnerable Cargo 2.10 Wet Cargo













# 2.4 Live Animals (AVI)

The conditions applicable for acceptance of AVI

- Health and condition of animals must not show any sign of illness. Pregnancy is prohibited.
- b. Packing must be clean, leak-proof. Live Animals label shall be affixed.



### The conditions applicable for acceptance of AVI (con't)

- c. Food and additional articles must be charged d. Reservation
- e. Documents: Health documents and Shipper's Certification for Live Animals

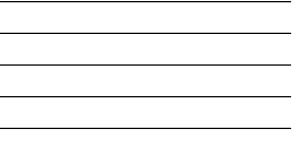
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# 2.6 Outsized Cargo (BIG)

Cargo does not allow loading in lower compartment or on one pallet.



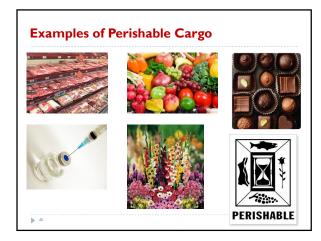


# 2.7 Perishable Cargo (PER)

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Items subject to decay, deterioration or decomposition.

Perishables shall be accepted without any responsibility for any loss or damage due to changes in climate, temperature, altitude or other ordinary exposure.



# 2.8 Valuable Cargo (VAL)

Any shipment having a declared value of carriage of USD1,000 or more per gross kilogram or a.Any piece of gold or platinum.

b. Legal bank notes, travelers, stamp and credit

cards

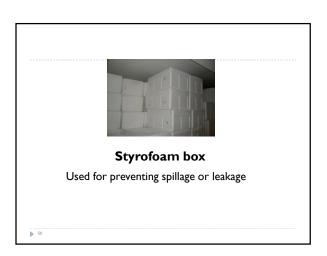
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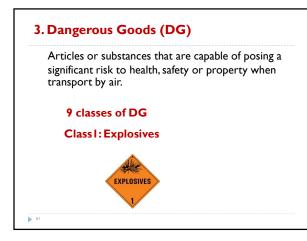
c. Precious stones such as diamond, rubies, etc. d. Jewelry and watches made of silver, gold or platinum

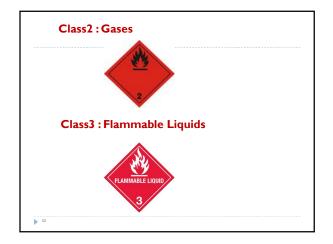




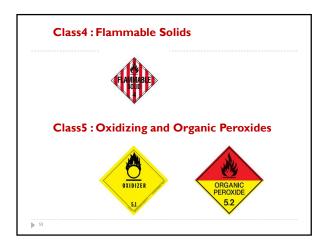










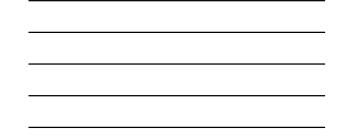












# 4. Diplomatic Mail (DIP)

Diplomatic bag or pouch contains official correspondence

#### 5. Service Cargo

Three categories of service cargo

5.1 Maintenance Material (MMM) 5.2 Service I (SI) 5.3 Service 2 (S2)

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## **Applicable Rate**

- Cargo rates are published in the TACT Books (The Air Cargo Tariff)
- 3 kinds of rating
  - I. General Cargo Rates (GCR)
  - 2. Specific Commodity Rates (SCR)
  - 3. Commodity Classification Rates (CCR)

# **General Cargo Rates (GCR)**

- M Minimum Charge
- N Normal Charge
- Q Quantity Rates

# Specific Commodity Rates (SCR)

0001-0999 Edible animal and vegetable products

1000 - 1999 Live animals & inedible animal and vegetable products

2000-2999 Textiles; fibers and manufactures

3000-3999 Metals and manufacturer, excluding machinery, vehicles and electrical equipment

4000-4999 Machinery, vehicles and electrical equipment

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## Specific Commodity Rates (SCR)

5000-5999 Non-metallic minerals and manufacturers 6000-6999 Chemicals and related products 7000-7999 Paper, reed, rubber and wood manufactures 8000-8999 Scientific, professional and precision instruments, apparatus and supplies 9000-9999 Miscellaneous

### **Commodity Classification Rates (CCR)**

Surcharge

- VAL (200% of Normal GCR)
- AVI (All animal 150% of Normal GCR except baby poultry-Normal GCR)
- HUM (Coffin-Normal GCR, Ashes-Applicable GCR)

  Rebate
  - (50% of the Normal GCR) Ex. Newspaper, Magazines, Periodicals, Books

## **Consignments Ready for Carriage**

Air Waybill

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- Documentation
- Marking of Packages
- Packing
- Labeling of Packages
- Shipper's Declaration for Dangerous Goods
- Shipper's Certification for Live Animals

