“Keeping Animals Safe for Transportation & While In-Transit”

- AirNet Express
- Same Day Express
- International
- Charter
- Same Day Ground

Clayton Price
AirNet Systems Inc.
The History of Express Transportation

- The Pony Express – early origins of express mail started in 1860
- Transcontinental Railway – Golden Spike 1869, 1890 electric rail and subway systems developed, 1970’s diesel and electric replace steam. Freight still transported today via rail.
- Ground Transportation – 1956 Interstate Highway System Built, This is when trucking and ground shipping really took off.
- Air Cargo Shipping – First animals were transported via air in a balloon in 1783 in France. 1940’s began first commercial transportation of cargo via passenger air carriers. Significant facility investments and cargo infrastructure began after WWII.
- Modern Air Transportation – consolidation of airlines, regional airline model, and TSA security post 9/11.
Specialized Air & Ground Transport

- FedEx – founded in 1971 worldwide Scheduled Air & Charter Services
- Transportech LLC – Nationwide ground trucking company specializing in healthcare industry. 8 locations coast to coast.
- World Courier – founded in 1969 and have 140 locations worldwide.

- Other regional ground, air, and charter companies including companies like Frames Transport, Schenker (Bax) World Wide/
Commercial Airline Considerations

- Regional Aircraft model being used
  - Small shipments only & no bulk shipments accepted.
  - 3rd party ground handling

- Air Traffic Control Systems have not had any major upgrades since 1982. This results in significant delays and schedule issues with passenger carriers.

- Most major airline ontime performance numbers do not include regional partners.
  - USDOT HANDOUT ON PERFORMANCE STATISTICS
    - (DISCUSSION)
Cargo Airline Considerations

• Do They Own or Lease Aircraft and what aircraft type?
  • Are Aircraft climate controled & how?
  • Certifications such as USDA & IATA

• Do They Own, lease, rent, or borrow ground handling facilities
  • Are Ground handling Facilities On Airport Site or Off (this is important for Non Human Primates)

• Scheduled or Charter or Both

• Are Courier Services Provided & if so by who?
  • Employee, vendor, or Independent Contractor
  • Is GPS offered?
# Sample Aircraft ID Chart

**Learjet 35 (18)**
- Speed: 500 MPH
- Range: 2,000 miles
- Payload: 3,500 lbs
- Total volume: 260 cu. ft.
- Door Dims*: 36x45
- Exec Door Dims*: 25x45

**Cessna Caravan Cargomaster (16)**
- Speed: 200 MPH
- Range: 862 miles
- Payload: 3,000 lbs
- Total volume: 338 cu. ft.
- Door Dims*: 49x50

**Cessna 210 (55)**
- Speed: 175 MPH
- Range: 800 miles
- Payload: 900 lbs
- Total volume: 65 cu. ft.
- Door Dims*: 36x40

**Piper Navajo Chieftain (17)**
- Speed: 200 MPH
- Range: 800 miles
- Payload: 1,500 lbs
- Total volume: 105 cu. ft.
- Door Dims Front*: 27x45
- Door Dims Rear*: 18x30

**Beechcraft Baron (70)**
- Speed: 200 MPH
- Range: 850 miles
- Payload: 1,000 lbs
- Total volume: 82 cu. ft.
- Door Dims*: 44x35

TOTAL FLEET: 176
Ground Courier & Courier Considerations

- Are vehicles owned by company or drivers
- Are drivers Independent Contractors or Employees
- Type of Vehicles being used
  - Climate Controlled, Personal, cargo, specialized, etc.
  - GPS monitored
- Is Air Available & If so by who?
  - 3rd party or company owned and operated
- Certifications
  - DOT, USDA, IATA,
Lab Animal Shipping

1. Key to success is communication & planning.
   • With transportation provider/s, investigators, coordinators, and techs

2. Key to success is accurate information.
   • Type of animal, quantity, crate size, weight, proper address & contact info
   • Crate Labeling & Airbill placement

3. Key to success is animal preparation.
   • Proper crate size, food, hydration, bedding, enrichment.
Lab Animals In Transit

- What goes on behind the scenes
  - Loading/Unloading Procedures
  - Tracking Tracing is it real?
  - Storage Facilities
  - Aircraft heating and cooling
    - Ram/Forced Air or Independent Heating/Cooling Units
Lab Animal Facility Dock Considerations

- Where is the dock located?
  - Security considerations and ease of use.
    - Some couriers use large freight and or specialized trucks that have difficulty navigating hard to reach dock areas.

- Indoors or Outdoors?
  - Seasonal considerations
  - Are special processes enacted for animal imports/exports
    - Discussion – Provide personal experience and share stories about docks that don’t have special import or export processes at the dock for animals.
Questions & Answers

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  You may also visit my LinkedIn page and connect as a resource!