Aviation Market

Kerry Krause
Head of Marketing & Strategy
RAIN RFID Alliance
RAIN RFID and Aviation

- Aviation industry tested RAIN RFID in airports for over 10 years
- IATA (International Air Transport Association)
  - Resolution 753 on baggage tracking is intended to encourage airlines to further reduce mishandling by implementing cross-industry tracking for every baggage journey
- RAIN RFID Alliance has presented to aviation organizations, and is establishing formal partnerships
  - IATA
  - IABSC
Aviation Marketing Growth

• Aviation market is growing strongly worldwide
  – According to Airport Council International, the aviation industry has shown a robust year-on-year growth across the world’s major airports both in terms of passenger numbers and air cargo

• This growth has resulted in unforeseen challenges in:
  – Baggage tracking and sorting
  – Freight cargo tracking
  – Airplane safety
  – Airplane parts tracking and traceability
  – Passenger satisfaction
Baggage Tracking and Sorting

- **Airports and airlines are exploring RAIN RFID solutions to:**
  - Eliminate manual inspection and routing by baggage handlers and provide real-time location of the baggage throughout the process
  - Ensure that the right bag has boarded the right plane, or has been removed if the passenger missed the flight
  - Allows passengers to track baggage in real-time with notifications on their mobile
Freight Cargo Tracking

- **RAIN technology is solving these needs in the industry:**
  - In today’s complex global supply chain, tracking of freight is a must
  - The tracking process needs to be accurate, efficient, and not labor intensive
  - Centralized monitoring, automatic logging, and an accurate retrieval process of the freight and its item level content
**Airplane Safety**

- **RAIN technology can help eliminate safety problems**
  - Track and inspect safety equipment including life vests, oxygen tanks, child cots, and fire extinguishers
  - This equipment needs to be present when the airplane takes off
  - Manual inspection is time consuming and prone to human error
Parts Tracking and Traceability

• RAIN technology helps address the need for parts tracking and traceability throughout the service life to ensure data accuracy and aircraft safety
  – Aircraft have valuable assets which needs to be tracked and maintained for smoother operation
  – Airplane parts and services must be fully up-to-date
  – Aircraft parts supply chain is complex through aircraft manufacturers, airlines, part suppliers, and logistics providers
Delta Example for Using RAIN RFID

• Enable hands-free scanning of baggage throughout the handling process
• Delta has:
  ▪ Deployed 4,600 scanners
  ▪ Installed 3,800 RFID bag tag printers
  ▪ 1,500 belt loaders
  ▪ Integrated 600 pier and claim readers

Easier bag handling
Rapid return on investment
Higher customer satisfaction
Improve end-to-end tracking