Safety and Operations
Thank you to our Sponsor
Deloitte.
Welcome
Nancy Rockbrune
Head, Safety Management
IATA
Opening Remarks & Objectives

Al Madar
Managing Director Corporate Safety
American Airlines
Data and Information Challenges and Triumphs – The Airlines Experience

Moderator
- Rob Hills, Principal, Strategy & Operations Practice, Deloitte

Panelists
- Jimmy James, Managing Director, Procurement and Supply, American Airlines
- Elhan Orhon, VP, Internal Audit, United Airlines
- David Mawdsley, Aviation Safety Advisor, Rolls Royce Digital
Data Tools and Services – Helping Airlines Make Informed Decisions

Daniel Baker
CEO
FlightAware
Flight Tracking and the Future of Aviation Data

› Who am I?
› Is “Big Data” the Key?
› Future of Aviation Operations Software
› Innovations & Impact on Aviation Data
› Industry Challenges
› Q&A
Introduction

› Daniel Baker, CEO, FlightAware
  › Commercial Pilot, Software Developer
  › Founded FlightAware in 2005
  › Aviation data and flight tracking company
  › Initially a flight tracking hobby project
    › Started with just the FAA data feed, now in over 170 countries
  › Now have 80 employees in US (Houston, NYC), UK, and Singapore
Is “Big Data” the Key?
Is “Big Data” the Key?
Aviation Data in the Non-Certified Space
Future of Aviation Operations Software
Future of Aviation Operations Software

- Air Data Computer (ADC)
- Primary Flight Display (PFD)
- Flight Management System (FMS)
Future of Aviation Operations Software

- Data
- Information
- Predictive Tools
Future of Aviation Operations Software

- ADS-B Positions
- Flight Tracks
- Gate Conflict Alert
Technical Innovations and the Impact on Aviation Data
Industry Challenges
Questions?

Daniel Baker
CEO, FlightAware

dbaker@flightaware.com
Networking Coffee Break
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INFARE
Extracting the Value from your Data - Technological Solutions in Safety and Operation Systems

Moderator

Lisa Sullivan, Strategic Portfolio Manager, Harris Corporation

Panelists

Nadine Alameh, CEO, Snowflake
Jim Hetzel, VP, Aviation and Distribution, FlightStats
Abhijit Patil, Senior Director, Customer Analytics and Loyalty Data Management, Air Canada
System Reliability – The Operational Fall-Out When Things Fail

Mick Huynh
Manager, IT Operations
Air Canada
Resiliency and Continuity: Best designs, Better preparations
AIR CANADA

- Canada’s main airline carrier
- Over 200 destinations on six continents
- +45 Million passengers
- Among world’s 20 largest airlines
- +30,000 employees
Digital Airline Transformation

- More connectivity
- More mobility & online services
- Global networks and integration services
- New emerging technologies

“Given our increased reliance on technology, how can we assure operational continuity when things fail?”

“As an Industry, are we prepared?”

“Do we understand to the full extent our dependency?”
“Given our increased reliance on technology, how can we assure operational continuity when things fail?”

- Resiliency in Design
- Business Continuity and Disaster Recovery Plans
- Crisis Management Exercises
“As an industry, are we prepared?”

- Resiliency Investments
  - Technology
  - Facilities
  - People

- Challenges
  - Legacy systems
  - Complex Interdependence
  - Human factor

- FOCUS:
  - minimize impacts and facilitate recovery.
  - Communications
“Do we understand to the full extent our dependency?”

• Continuous Risks Assessment and Management
• Business Impact Analysis
• Invest in a robust knowledge repository.

Vous devez être prêt à travailler le soir et tôt le matin,
Hope Design for the best.
Prepare for the worse.
Thank you
Interview:
The Future of Biometrics in Aviation – Enabling a Seamless and Secure Journey for Air Travel

- **Sean Conlin**, Principal, Strategy & Operations Practice, Deloitte
- **Arun Vemury**, Director, Apex Air Entry Exit Re-Engineering, US Dept. Homeland Security
Wrap-up and Closing
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Deloitte.
Networking Dinner
Join us tonight!
19:45 – 23:00
Ocean Garden
In this room!