

# ARSA Symposium Panel Discussion

## The Future of Maintenance Reporting

**Panel:** Pennie Thompson, FAA  
AFS-620  
Jim Hein, FAA AFS-300  
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**Moderator:** Daniel Fisher, ARSA

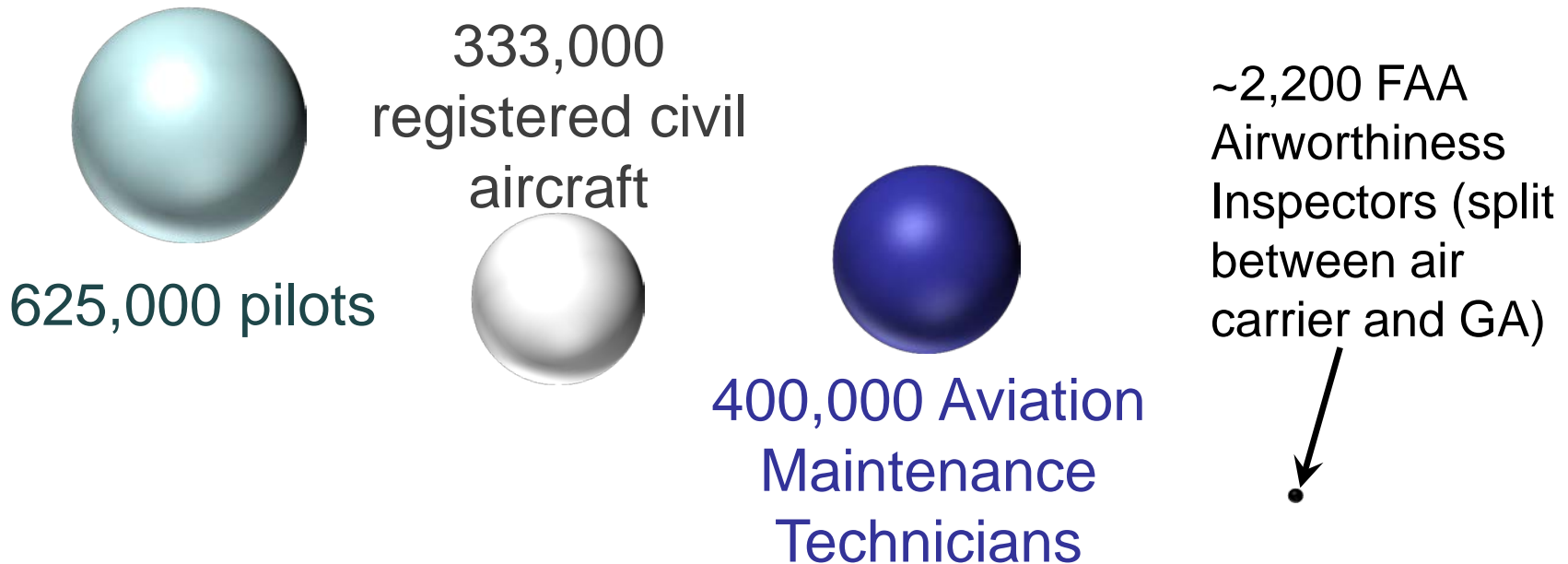
**Date:** March 20, 2015



Federal Aviation  
Administration



# By the numbers, the U.S. has:



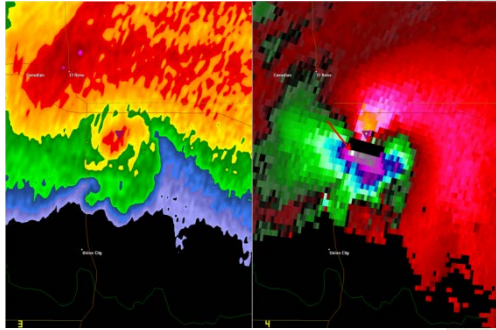
- ➔ **Who is primarily responsible for ensuring aviation safety?**
- ➔ **Why is it important for the entire aviation community to have timely access to data?**

# Summary of Needs

- ➔ **Fast, simple way to report and share a problem with instant feedback; show the effort is not wasted**
- ➔ **Quicker, easier report access with improved search capability with ability to spot cross-product trends**
- ➔ **Ability to include photos and videos**
- ➔ **Availability on mobile devices with push notifications**

# Summary of Needs (cont.)

- ➔ **Batch upload capabilities to interface w/ internal systems**
- ➔ **De-identified reports for shared information**
- ➔ **Use of standard terms (such as Make/Model/Series)**
- ➔ **Ability to immediately link submitted report to other similar reports**
- ➔ **Supports existing or developing SMS programs**



We need a system that will cause people to immediately act to avoid possible hazards –  
**an early warning system**



# To Reiterate...

**We have collectively developed  
the AVDEX concept based on  
these needs**

# Potential uses of improved data

- **Enhanced data visualization services**
  - Example: weather radar services
- **Ability to keep up with what others are saying about problems, risks, or hazards**
  - Spot emerging risks
- **Real-time assessment by:**
  - Repair stations to check field incidents on products they repair
  - Design approval holders to monitor the health of their products



# Enhanced Data Visualization Example

- **Enhanced data visualization services**
  - Heat mapping and geo coding for issues based on geographic location or location on the aircraft

Top 5 reported issues, past 30 days

