ArcGIS for Aviation: Airports - Managing Airport GIS Data for Domestic and International Regulatory Compliance

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Airport Regulations

• Constantly being introduced & evolved

• New Generation of Digital Information
  - Data Capture and Maintenance
  - Information Distribution
  - Evolving Data Standards
Regulatory Compliance Challenges

• Compliance Management
• Data Management
• Data Consistency/Integrity
• Resources
ArcGIS for Aviation: Airports

Goal – To Enable Airports to achieve data compliance with minimal effort

- Integration into Esri Platform
- Central Architecture to maintain all Airports data
- Flexible Architecture & Deployment
Airports Data Model

- Multiple Standards Support
  - 18B
  - AMDB
  - eTOD

- Extensible and Customizable

- Data Consistency/Integrity
Data Exchange Tools

- Custom Import/Export with Airports Data Model
  - 18B
    - Import
    - Export
  - AMDB
    - Import
Data Validation Tools (ArcGIS Data Reviewer)

- Automated Tools for Quality Control Processes
- Preconfigured Standards Support
  - 18B
  - AMDB
  - eTOD
- Attribution and Geometry Checks
- Extensible and Customizable
- Accountability/Documentation
Demonstration
Currently in Development

• Improved Data Exchange tools
  - AIXM 4.5 & 5.1
  - AMDB

• Cyclic Redundancy Checks (CRC)

• Temporality
  - AIXM 5.1
  - AMDB
  - AC 18C

• Esri Showcase – Mapping and Visualization Island
Other Airports UC Sessions

• **ArcGIS Data Reviewer: Integrating ArcGIS Data Reviewer and ArcGIS Workflow Manager to Automate Data Quality Control Workflows**
  - Wed. 11:30 – 12:00 – Demo Theater Exhibit Hall C

• **ArcGIS for Aviation**
  - Wed. 4:30 – 5:00 – Demo Theater Federal Showcase

• **Environmental Regulations and Influences around Airports**
  - Thu. 8:30 – 9:45 – Room 24 A

• **Meeting FAA’s Airports GIS Requirements II**
  - Thu. 10:15 – 11:30 – Room 24 A

• **Airports and Ports SIG**
  - Thu. 12:00 – 1:00 – Room 24 B

• **Software Integration at Airports**
  - Thu. 1:30 – 2:45 – Room 24 A
Thank you...

- Please fill out the session survey:

**Offering ID: 1776**

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