

AAM 2024
ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM

Aviation Expertise For a Better and Sustainable Modern World

Digital Information and Data Management Considerations

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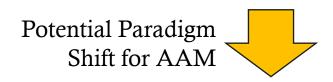






Aeronautical Data (Annex 15)

Data essential for safety and efficiency of modern air navigation



Data

Regulatory Authoritative Trusted Sources

Non-aeronautical

(urban planning / business / marketing, etc.) Sources where quality / reliability not managed

Challenge

The **safe** but extensive usage of available data

from

heterogeneous sources of variable quality and format,

including

non-consolidated and non-aeronautical data,

along with aeronautically engineered or certified data.



Data Taxonomy

Data Stakeholders

Data Categories

- •Business
- Technical
- Operational

Economics of Data Management

- •Cost of data
 •Service Levels
- •Economic regulation

Data Security and Cybersecurity

Potential data architecture (e.g. adaptation of SWIM?)

Data Taxonomy

ICAO

- Accuracy
- Resolution
- Integrity
- Traceability
- Format
- Timeliness
- Env. Impact
- Security and cybersecurity
- Availability
- Interoperability

Open Questions

- Cost of AAM Data
- Data Exch Service Level
- AAM data security
- AAM Cybersecurity
- Data volume and infrastructure (e.g. spectrum)
- Lifecyle
- Data Governance