



ATIEC 2021

September 13

IMP update

The last Mile

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Smart.
Secure.
Shareable.
Aviation
Information.

IMP: Where are we



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- New PANS-Information Management delivered to ICAO October 2021
 - Applicability date November 2024
- SWIM Implementation Manual Mature draft October 2021
 - Version fully aligned with PANS-IM mid-2023
- AIRM version 1 delivered October 2021
 - Managed by industry



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PANS-IM

- Addresses
 - Service orientation
 - Governance
 - Quality
 - The three SWIM layers
 - Information
 - Information service
 - Technical infrastructure



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Governance

- is key to ensuring system wide information management is established in accordance with an appropriate implementation framework
- builds and maintains trust between stakeholders
- includes governance bodies, standards, policies and processes



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Quality

- Remind States of the need to implement a QMS
 - For information
 - But also, for information services
- Remind States of the need to comply with the quality requirements of the particular information domain(s).



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Information

- Information exchange requirements are based on the intended uses of the information
- Reliance on information exchange models (e.g. AIXM, FIXM, IWXXM)
- Common understanding of the meaning of the information is achieved using an information exchange model or aligning with the ATM Information Reference Model (AIRM).



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Information services

- SWIM service registry
 - Mechanism to advertise information services
- Information service overview
 - Way to provide in the registry enough information to allow information service consumer to select the services they need



Technical infrastructure



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- SWIM requires an IP network and is supported by the Internet Protocol Suite (IPS)
- Introduces interface bindings as a means to facilitate interoperability



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Conclusion

SWIM provisions are on the
way