

Practical application to deliver Solutions

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Aviation Information World - Forecasting the Future

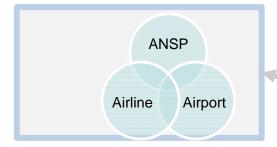
Information Sharing Opportunities



 Data access and exchange across regional Air Navigation Service Providers (ANSPs), Airlines, and Airports is insufficient



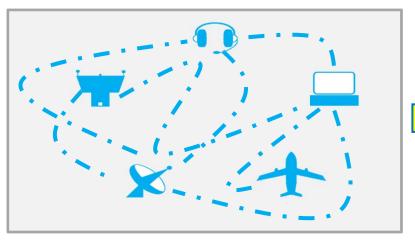
Need for Collaborative Decision Making (CDM)
process, tools, improved situational awareness,
and training across regional Air Traffic
Management (ATM) stakeholders



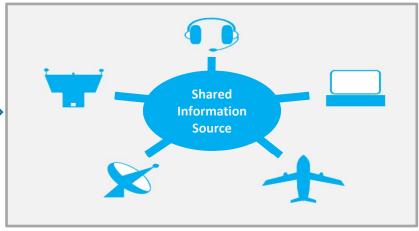
Opportunity for new architectures to enable operational goals



A Problem we aim to solve...







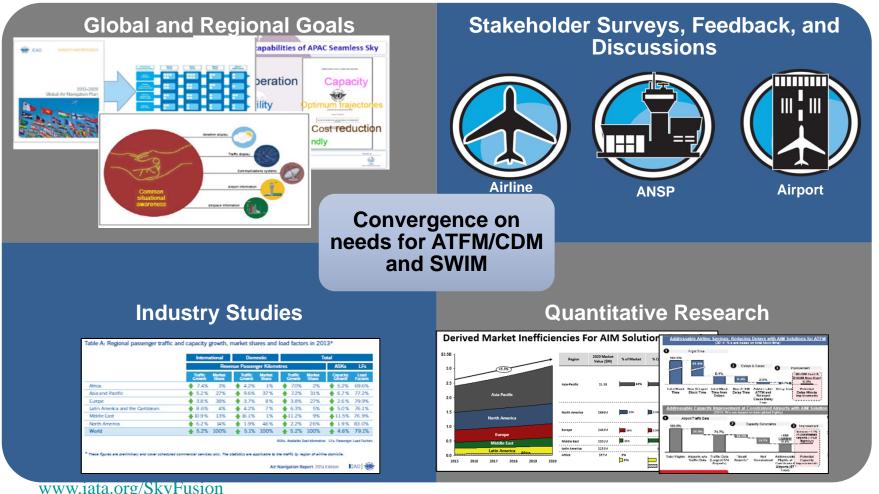
Problem:

- Conflicting multiple information sources
- Point-to-point system connections
- Limited data sharing and isolated
- Inability for true situational awareness and decision implications

Solution:

- A single shared information source for data and apps
- A system-wide integrated data (SWIM)
- Open data sharing and collaborative decision making
- Holistic view of operations

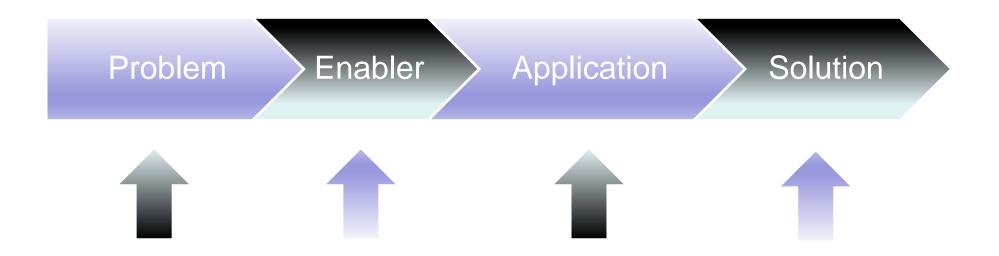
Benefits: Data Convergence







SWIM: Enabler to Solution



Enabling sharing of information through data standards in order to achieve system to system data exchange



SWIM Enables....



- Improves situational awareness at home and abroad
- Provides tools for collaboration across borders
- Supports enhanced decision making
- Serves to link airlines with ATM network via SWIM-enabled information network



- Create Information and tools that complement existing decision support systems
- Enables common situational awareness, and effective dialogue between stakeholders
- → Future-proofs ATM systems



Airport

- Improves situational awareness unconstrained by borders
- Provides collaboration tool
- Provides a means to interconnect Airport CDM system via ATM network

SWIM Benefits: Air Traffic Flow Management (ATFM)



- ✓ SWIM can enable data for command center function to enhance CDM capabilities
- ✓ Information that provides situational awareness to users on impacts



✓ Reduction of holding can save airlines as much as 71 USD per minute avoided

•*source ACI study delay minute 2014

www.iata.org/SkyFusion

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SWIM Benefits: Empowering Decisions



√ 95% Passengers are Happiest in Dwelling Time



#1 thing passengers demand is accurate information



✓ Happy passengers spend 45% more



 Revenue enhancement of \$10 Average opportunity during delay which has been accurately communicated to passengers

•*95% source SITA 2015 IT report, 45% JD Power Study, #1 surveyed disruption

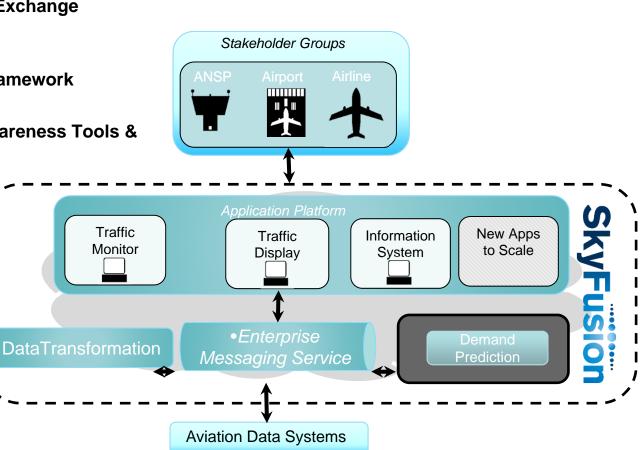


Application: What is SkyFusion?

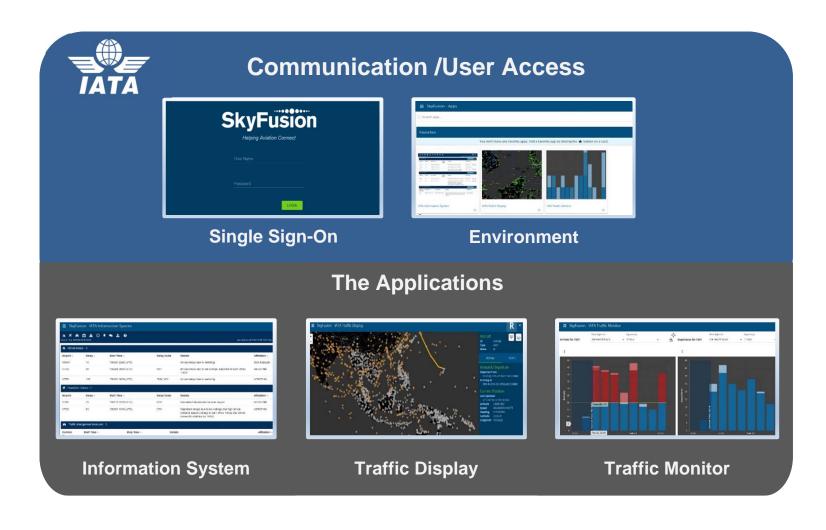
 In-cloud Data Exchange Platform

Application Framework

 Situational Awareness Tools & Beyond



Solution: Functional Cloud Environment





SWIM Helps: CDM and ATFM



- ✓ Airlines, ANSPs and Airports are empowered to make decisions that are best for their operations
- ✓ SWIM enables cross border and cross organization data sharing
- ✓ Contributes to reducing inefficiencies avoidable with CDM & ATFM: >3B USD by 2020

•*source A4A ATFM study 2014



SkyFusion Benefits

SkyFusion is a platform that:

- Connects disparate aviation stakeholder systems; and
- Hosts software-as-a-service (SAAS) applications

SkyFusion solves two core needs:

- Enables sharing of data across systems from multiple stakeholders in internationally recognized, SWIM standard format
- Provides a one-stop shop for applications
 - Built on the data exchange, simplifying integration and lowering development cost





Learning by doing....

Let's move from demonstration and theory to a

real operational environment



www.iata.org/skyfusion





