



ICAO MID NCLB AIM Workshop

Cairo, Egypt
September 2017

John Moore
Boeing Digital Aviation
Jeppesen

BOEING is a trademark of Boeing Management Company.
Copyright © 2016 Boeing. All rights reserved.



ICAO Information Management Panel (IMP) Issues

SWIM

- **Near Real Time Data Transfer**
 - Within a State ATM and AIS system
 - Between States, including Industry
 - Eventually between States, AOCs & aircraft
- **Implementation Problems**
 - Mixed capability between nodes
 - Completeness of data sets

SWIM Governance

The set of bodies, standards, policies and processes that ensure information required for global interoperability is provided by reliable, trusted services.

Data & Services/Products

- **Data Quality Requirements via QMS**
 - Service providers' QMS will be audited
- **Data Integrity Classification – Critical**
 - May drive SWIM service Critical classification
 - No proposal yet for Service classifications
 - SWIM declared for SA, not Critical
- **3rd Party Information Services**
 - Will create new Services and Products

Registry & Governance

- **Registry of Services**

- User discovery of & comparison of services
 - Note: may not be the only way to do so
- Service through Provider, not Registry
- 3rd Party, Regional (Eurocontrol), State (FAA)
- Silo vs interconnected network

- **Validation**

- State Regulators, Industry/ICAO Standards
- User/Self validation

Conclusions

- **Mixed Data Formats**
 - Limits regional/global services to those service providers that can accommodate
- **Mixed SWIM Capabilities**
 - Limits effectiveness of ATM
 - Limits efficiency expected by airlines
- **Digital Data Enables New Services and Products**