



# IFAIMA

International Federation of Aeronautical Information Management  
Associations

**“The Global voice of AIM”**

**a non-partisan and non-profit-making  
Federation of AIM Associations**

**Since 2008**

AIM Sub Group /4<sup>th</sup> meeting - Cairo (13-15 Feb 2018)



# AIS/AIM Main Challenges

by

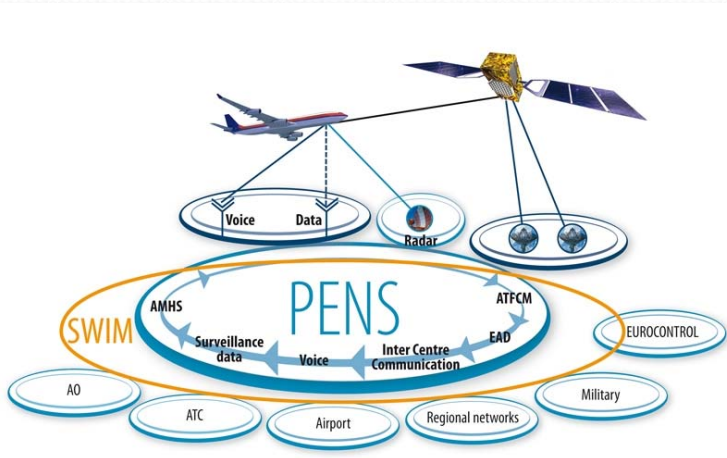
AHMED ALLAM

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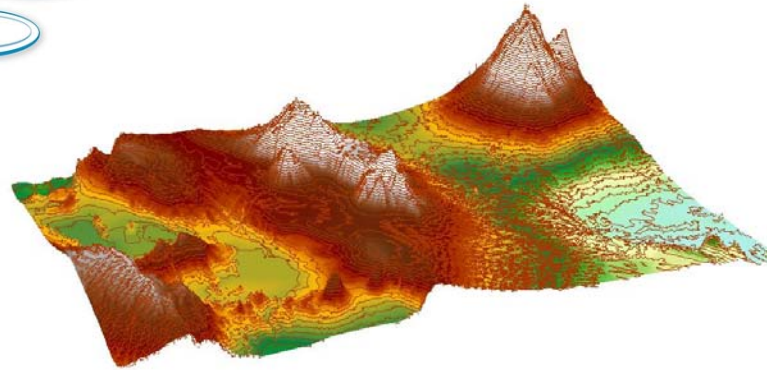
[ahmed.allam@ifaima.org](mailto:ahmed.allam@ifaima.org)

AIM SG/4 – CAIRO(13-15FEB,2018)

AIM Sub Group /4<sup>th</sup> meeting - Cairo (13-15 Feb 2018)



**Aixm** AIXM 5.1  
Aeronautical Information Exchange Model



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## Institutional challenges:

- Lack of understanding that multiple and uncoordinated rules can be extremely costly and potentially catastrophic
- Lack of clear requirements for the stakeholders involved: it increases friction and impacts quality of services
- Inability of service providers to understand the role of the oversight function in the Civil Aviation Administration;
- Need for more cooperation between regulators and ANSPs
- Lack of competent staff/Inadequate training



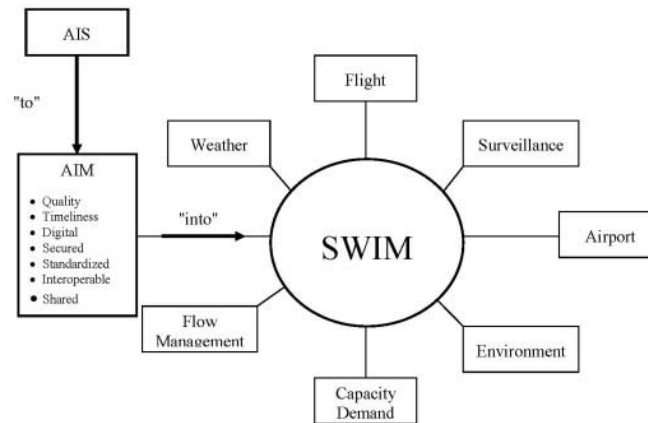
## Service provision challenges:

- AIM Specialist not recognized as a profession
- Risk of working as “amateurs” to this sensitive profession is not realized
- Need for ICAO specific training programs and more guidance
- Issues with English language proficiency
- Provision of raw data to the AIS must be strengthened
- Digital datasets are still considered immature for implementation
- Reliable exchange of data between stakeholders is still a challenge



## Technological challenges:

### AIM/SWIM An example of ASBU Approach



Transforming ATM Performance



## Technological challenges:

- AIXM poses challenges in terms of data exchanges due to its verbosity
- Mapping rules to convert AIXM to the ARINC data formats do not exist
- It is difficult to make AIXM data available for airborne applications
- eTOD is hardly used in avionics systems
- No incremental AIXM updates (UUIDs issues)
- AIXM is still too permissive; major bilateral coordination is required



## PIA 2: Globally Interoperable Systems & Data

**B0 - DATM** Service improvement through digital aeronautical information management  
Initial introduction of digital processing and management of information, by the implementation of AIS/AIM making use of AIXM, moving to electronic AIP and better quality and availability of data.









**Initial**

**OJT**

**Refreshment**





# Originators

- NOTAM Challenges (no timely notifications, partial information)
- AIRAC Adherence (information does not reach the data houses in time, effective dates outside common dates)
- No answers on clarification
- Let's allow the AIS to do the right validation and verification of data
- AIS does not question the data
- if AIS questions, the originator feels “undermined” in his role;
- Validation and verification is needed on both sides and communication is essential





# Regulators



- Regulate AIM: To enjoy its benefits: clear guidance for stakeholders, major shift in economic value, more robust and sophisticated use of aeronautical information
- Think different: “AIS” is about the service, “AIM” is about data quality across different Domains
- Make the primary legislation effective: Separation between the Regulatory and the Service Provision functions shall be spelt out right from primary legislation
- Encourage Cooperation between CAAs and ANSPs to ensure more effective audits, inspections and follow-ups

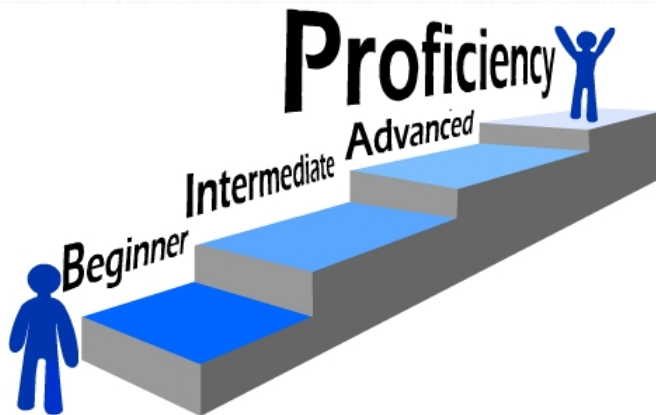


# English Proficiency

An Aeronautical Information Service provider should ensure that AIMS are proficient in speaking, reading, writing and understanding English, as required for the functions that they are expected to perform.

It is proposed to ICAO to add the following provision as Recommendation:

" AIMS personnel should be proficient in writing, reading and understanding English text."





# Certification

Needed for all AIM Specialist staff





The future of aeronautical information management and ultimately SWIM looks good from where we stand...

The challenges of yesterday must be addressed today if we are to reach tomorrow...

**We can not AIM if we have not served and we can not SWIM if we can't AIM.**



## IFAIMA on the Web

IFAIMA Website

[www.ifaima.org](http://www.ifaima.org)

LinkedIn Groups

<http://www.linkedin.com/pub/ifaima-eb/12/b80/62b>

E-mail

[eb@ifaima.org](mailto:eb@ifaima.org)

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## Summary

- Staff designation – AIM-S
- Training (including Regulators)
- Originators (awareness, seminar....)
- English Proficiency
- Certification
- Global AIM Santo Domingo – 22-24May2018

[www.ifaima.org](http://www.ifaima.org)

[Ahmed.allam@ifaima.org](mailto:Ahmed.allam@ifaima.org)

спасибо 谢谢  
GRACIAS  
**THANK YOU**  
ありがとうございました MERCI  
DANKE धन्यवाद  
شُكْرًا OBRIGADO

AIM Sub Group /4<sup>th</sup> meeting - Cairo (13-15 Feb 2018)