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

Tegucigalpa, 2017
Fernando Cruz Alburqueque

➢ **IFAIMA overview**

➢ **Staff designation**

➢ **Training**

➢ **Licensing / Certification**

➢ **Conclusions and recommendations of Uganda Global AIM**

Tegucigalpa, 2017
Fernando Cruz Alburqueque

"IFAIMA IS AN ICAO'S PARTNER"

ICAO has added IFAIMA to the list of Organizations that may be invited to suitable meetings of ICAO. IFAIMA has been created August 2008 and in less than 9 years, we have been recognized by the European Commission, EASA, CANSO, ETF and now we are proud to tell you that during its last meeting on the 4th March 2015, the ICAO Council recognized IFAIMA and we will from this date on, be part of the list of organizations that may be invited to suitable meetings of ICAO. We congratulate and thank all the Executives and Regional Directors, as well as our members for their work and support. A special thanks to our honorary members, Mr. Michael Hohm (ICAO), Mr. Paul Bosman (Eurocontrol) and Mr. Sthephane Dubet (DSNA France), for their close cooperation, which significantly contributed to this new achievement of our federation.

http://ifaima.org/index.php/news/item/170-icao-recognition-of-ifaima

Tegucigalpa, 2017
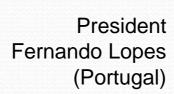Fernando Cruz Alburqueque

Objectives

- To promote safety, efficiency and regularity in International Air Navigation;

- To assist and advise in the development of AIM, in order to maintain the safe, orderly and expeditious flow of air traffic;

- To uphold a high standard of knowledge and professional efficiency amongst AIM personnel;

- To protect and safeguard the collective professional interests of AIM personnel;

- To make mutual benefit affiliations with other professional organizations;

- To strive for a worldwide Federation of AIM Associations.

Tegucigalpa, 2017
Fernando Cruz Alburqueque

IFAIMA Executive Board

President
Fernando Lopes
(Portugal)

Vice-President
Kabir Gusau
(Nigeria)

Vice-President
Roseline Mumbo
(Kenya)

Vice-President
Lukas Galbavy
(Slovakia)

Executive Secretary
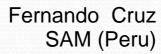Jorge Dias
(Portugal)

Treasurer
João Mendonça
(Portugal)

Tegucigalpa, 2017
Fernando Cruz Alburqueque

IFAIMA Regional Directors

Fernando Cruz
SAM (Peru)

Alexis Amezquita
NACC (Dominican Republic)

Erdenebaatar Davaasuren
APAC (Mongolia)

Ahmed Allam
MID (Egypt)

Barbara Fröhlich
EUR/NAT (Slovenia)

Lazarus Chesire
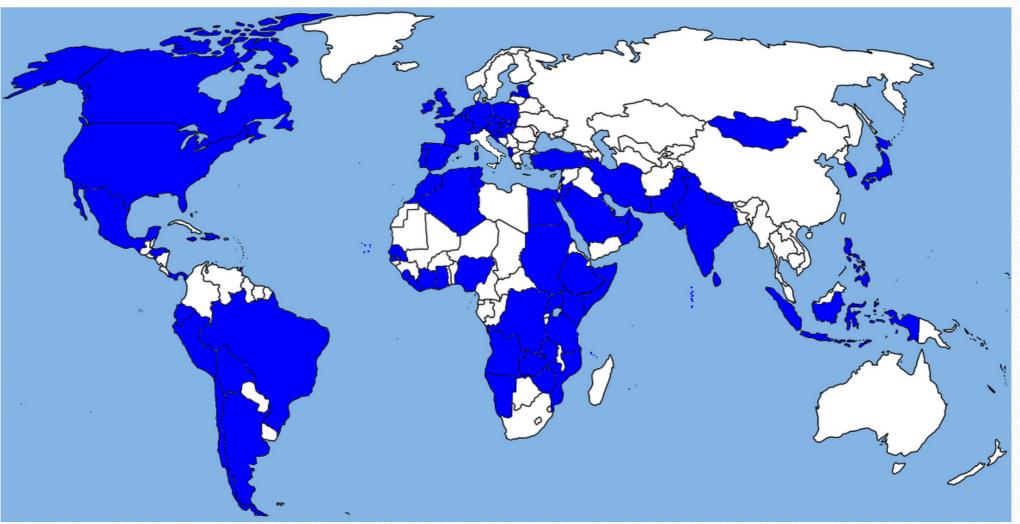EASF (Kenya)

Felix Anyanwu
WACAF (Nigeria)

Tegucigalpa, 2017
Fernando Cruz Alburqueque

Increasing Global Membership

Our numbers

1942 Staff

34 Member Associations

174 Individual Associates

81 Countries

16 Corporate Members

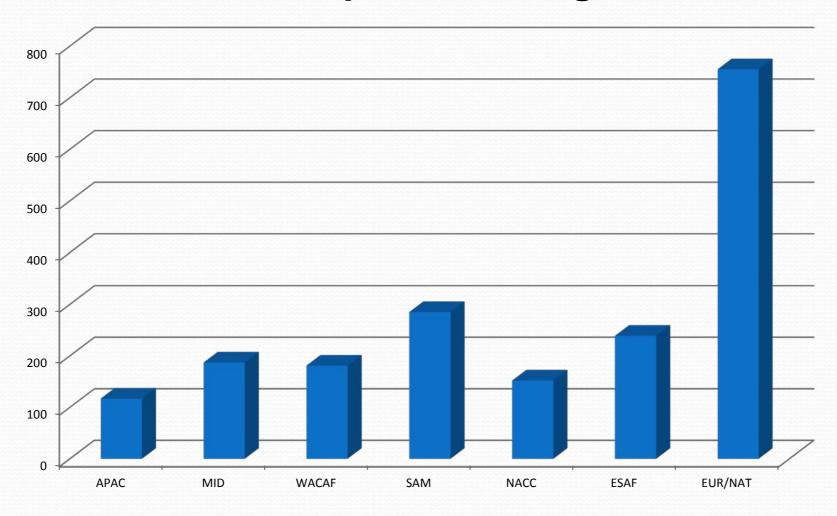Tegucigalpa, 2017
Fernando Cruz Alburqueque

IFAIMA IN THE WORLD

Tegucigalpa, 2017
Fernando Cruz Alburqueque

IFAIMA per ICAO Region

Tegucigalpa, 2017
Fernando Cruz Alburqueque

GLOBAL AIM

GLOBAL AIM 2018 SANTO DOMINGO

ICAO Assembly Resolution A29-1 officially declared 7 December as International Civil Aviation Day (ICAD).

The purpose of this annual celebration is to establish and reinforce global awareness of the importance of international civil aviation to the social and economic development of States and the general fostering of international connectivity, peace and prosperity.

"Working Together to Ensure No Country is Left Behind"

Tegucigalpa, 2017
Fernando Cruz Alburqueque

IFAIMA Activities

➢ ICAO SAM Multilateral Meetings for the Transition from AIS to AIM (SAM AIM)

➢ ICAO North Atlantic Aeronautical Communications Sub-Group (NAT ACSG)

➢ ICAO European Air Navigation Planning Group (EANPG)

➢ ICAO North Atlantic Systems Planning Group (NAT SPG)

➢ ICAO APAC Aeronautical Information Management Implementation Task Force (AAITF)

➢ ICAO MID Air Navigation Planning and Implementation Regional Group (MIDANPIRG)

➢ ICAO AIS AIMSG

➢ ICAO Information Management Panel (IMP)

➢ Eurocontrol Harmonised VFR Flight Planning Procedures Focus Group – HVFP FG

Tegucigalpa, 2017
Fernando Cruz Alburqueque

IFAIMA Activities

➢ European Aviation Safety Agency RMT.0477 & 0478 Technical requirements and operational procedures for AIS and AIM

➢ European Commission – Expert group on the Social Dimension of the Single European Sky

➢ European Commission - Joint Meeting of ATM Partners on Just Culture

➢ European Transport Workers' Federation, Air Traffic Management sector (ETF-ATM)

➢ CANSO AIM WG

➢ **IFAIMA overview**

➢ **Staff designation**

➢ **Training**

➢ **Licensing / Certification**

➢ **Conclusions and recommendations of Uganda Global AIM**

Staff designation

Who we are? – Profession designation

Tegucigalpa, 2017
Fernando Cruz Alburqueque

Staff designation

- ➤ AIS Specialist
- ➤ AIM Technician
- ➤ NOTAM Specialist
- ➤ AIS Officer
- ➤ AIM Officer
- ➤ Aeronautical Information Officer
- ➤ AIS Technician
- ➤ AIS Personnel
- ➤ Aeronautical Information Specialist

Staff designation

Doc 7192 - Part E3

    AIS/MAP Officers

    AIS/MAP Specialists

    AIS/MAP Personnel

Doc 8126

    AIS Personnel

    AIS Officers

    AIS Technical Officers

Doc 8697

    AIS Specialist

Annex 15

    AIS Personnel

PANS-AIM

    Officer

ECORYS Study

    AIS Officer

Tegucigalpa, 2017

Fernando Cruz Alburqueque

Staff designation

AIMS (AIM Specialist)

Tegucigalpa, 2017
Fernando Cruz Alburqueque

Staff designation

Which job roles can we take on board

Tegucigalpa, 2017
Fernando Cruz Alburqueque

- **IFAIMA overview**
- **Staff designation**
- **Training**
- **Licensing / Certification**
- **Conclusions and recommendations of Uganda Global AIM**

Tegucigalpa, 2017
Fernando Cruz Alburqueque

Training

Doc 9868 PANS-TRG (training)

Tegucigalpa, 2017
Fernando Cruz Alburqueque

ECORYS STUDY

Of the 143 safety-related functions, 28 functions have been identified as safety-critical. The following 9 jobs associated to these functions are regarded as safety-critical: Air traffic controller (ATCo), ATSEP (SMC-SUR-NAV-COM-DP),

AIS officer, Navigation data provision officer and the ATM/ANS technical system designer.

ECORYS STUDY

The navigation data provision officer and the **AIS officer** are **safety-critical** jobs as well, especially in the Controlled flight into terrain (CFIT) accident scenario, according to the EUROCONTROL Accident Incident Model.

In an event of insufficient performance of the job, quality of

aeronautical products is affected, which subsequently would increase the probability on a CFIT accidents.

Introducing regulation relating to competence and training of navigation data provision officers and **AIS officers** is considered to increase safety within the ATM/ANS system and lead to overall net impacts.

AIS staff according ECORYS:

(Study on safety-related and safety- critical functions and related jobs in ATM/ANS. 31 July 2013)

- 143 functions, 28 jobs

- ECORYS identifies the AIS with 12 functions (ATC -7, FIS-5 MET-18…)

- Safety critical jobs – ATC, ATSEPs, AIS officer, the navigation data provision officer and ATM/ANS technical system designer.

- ATSEP regulated already

- **AIS regulated by Annex 15 but….AIS officer is not specifically covered.**

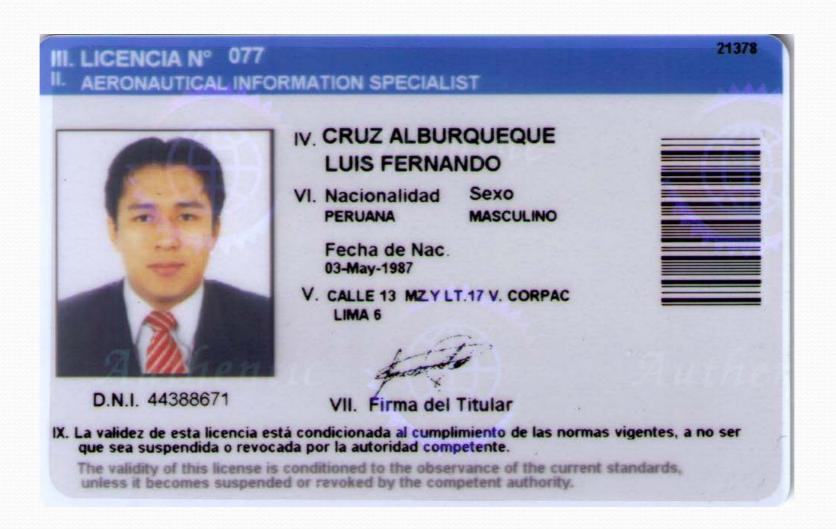- **Training - important role, its necessary to define processes for training.**

Tegucigalpa, 2017
Fernando Cruz Alburqueque

- ➤ **IFAIMA overview**
- ➤ **Staff designation**
- ➤ **Training**
- ➤ **Licensing / Certification**
- ➤ **Conclusions and recommendations of Uganda Global AIM**

Tegucigalpa, 2017
Fernando Cruz Alburqueque

Licensing / Certification

PERUVIAN AIS LICENSE

➢ **IFAIMA overview**

➢ **Staff designation**

➢ **Training**

➢ **Licensing / Certification**

➢ **Conclusions and recommendations of Uganda Global AIM**

Tegucigalpa, 2017
Fernando Cruz Alburqueque

Recommendations - Regulatory Aspects

• **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;

• **Make the current regulatory process more "resilient".** To protect from ambiguity potentially coming from the digital environment

AIS to AIM transition… end to end

• **AIM Transition Without Strong AIS Foundation is not effective**
Eliminate the deficiencies in processes & quality issues in your existing products;
Understand fully how a "legacy AIS" is provided;
Do a complete quality management review of the existing AIS
• **Need for a cultural change:**
If the input is garbage, the output is garbage;
Communicate, talk, discuss, with your data originators… and then learn how to
listen to each other and reach the compromise to meet the common objective;
Understand that AIS and data originators need each other.
• **Automation reduces human errors but plan for fall-back procedures:**
Automation reduces human errors but increases the possibility for machine errors;
ensure staff competency and operator proficiency (even in case of machine failure)
• **More cooperation among States to share best practices**

Tegucigalpa, 2017
Fernando Cruz Alburqueque

CONCLUSIONS

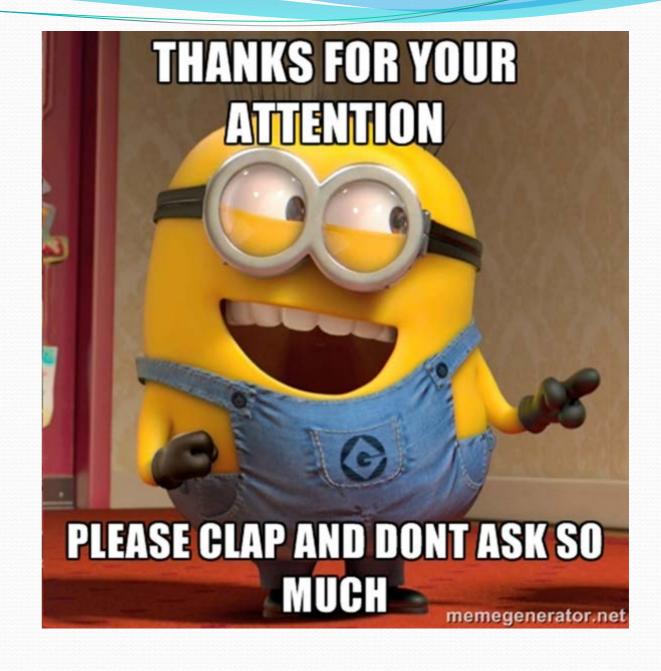The future of aeronautical information management and ultimately SWIM looks good from where we stand…
The challenges of yesterday must be addressed today if we are to reach tomorrow…
We can not AIM if we have not served and we can not SWIM if we can't AIM.

Tegucigalpa, 2017
Fernando Cruz Alburqueque

"NO AIS LEFT BEHIND"

www.ifaima.org
luiscruza@ifaima.org

Tegucigalpa, 2017
Fernando Cruz Alburqueque