

AIM – Challenges and Solutions

GroupEAD, together with you

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GroupEAD

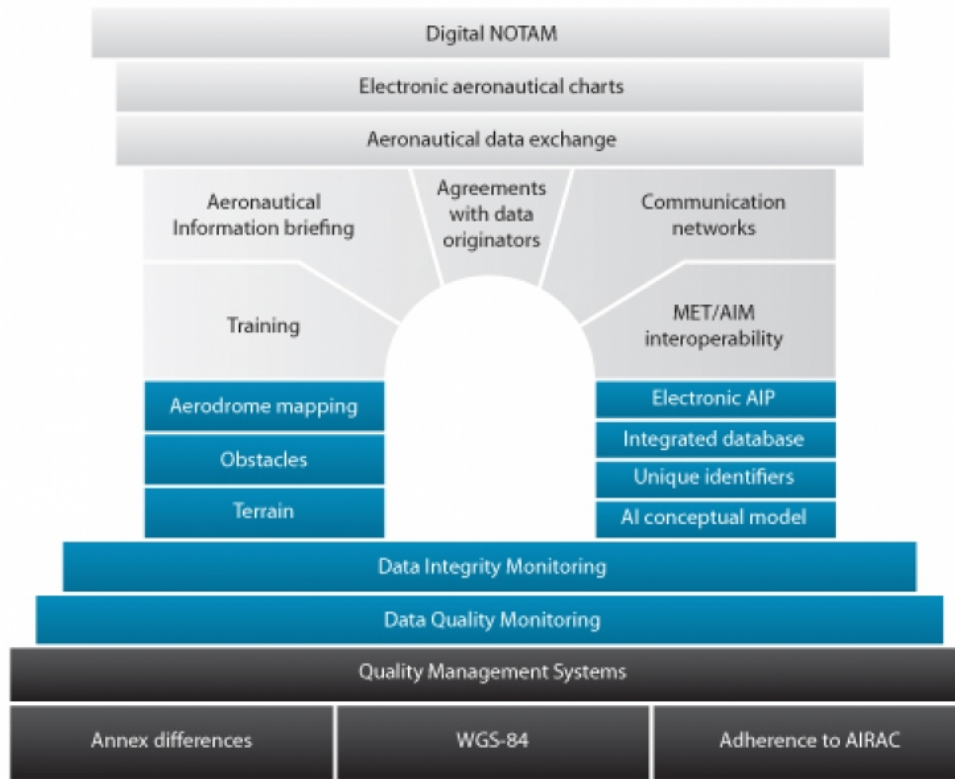
Key | questions

- AIM challenges?
- AIM solutions?
- GroupEAD?
- GroupEAD support?



AIM | Challenges

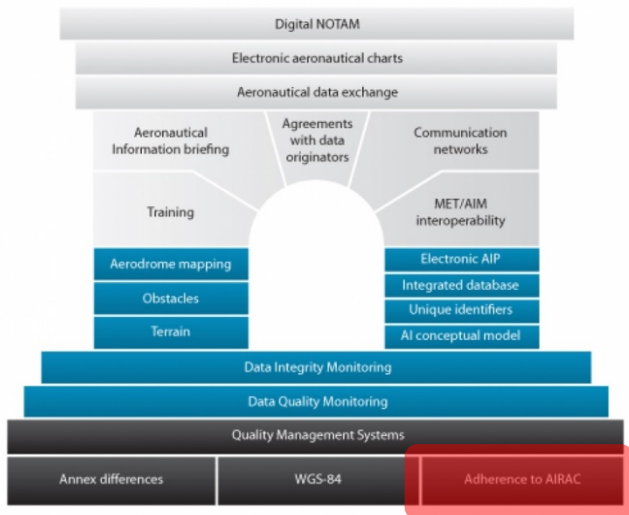
AIS to AIM Roadmap



- Different stages
- Individual challenges
- Different degrees of implementation

AIM | Challenges

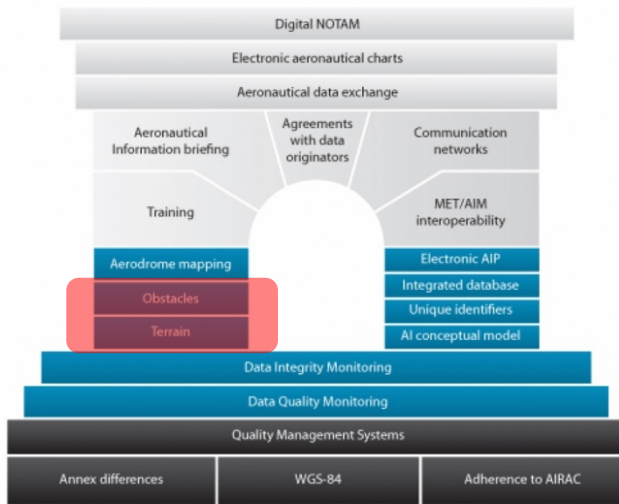
AIS to AIM Roadmap



- European monitoring shows: “three significant AIRAC non-adherence events occur per cycle”
- Insufficient planning and coordination, slow means of communication, etc.

AIM | Challenges

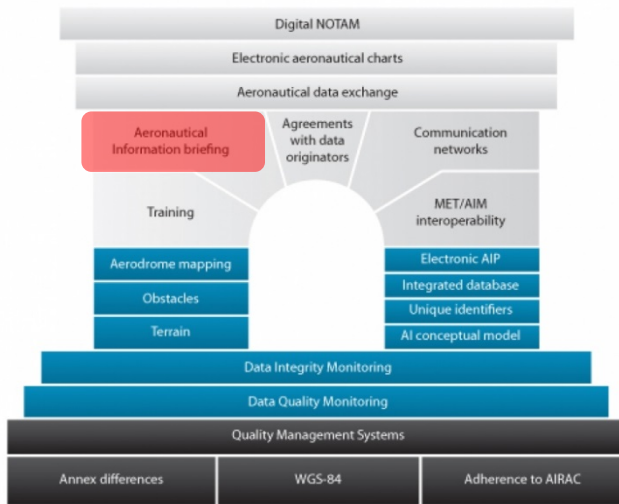
AIS to AIM Roadmap



- Very challenging requirements to meet in terms of accuracy, resolution, quality and availability of the data
- More work needed in requirements to support standardized implementation.

AIM | Challenges

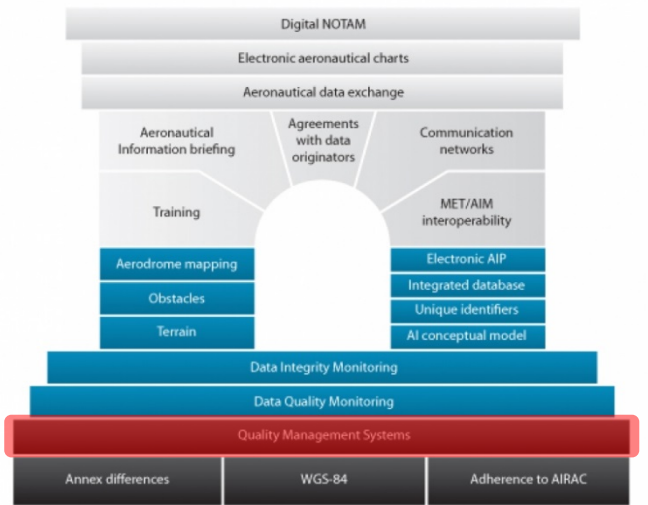
AIS to AIM Roadmap



- Almost every type of information/data required for briefing purposes (AIS, MET, ARO, ATFCM) is provided by separate Service/Unit within a State.
- More efforts needed in data harmonisation and integration

AIM | Challenges

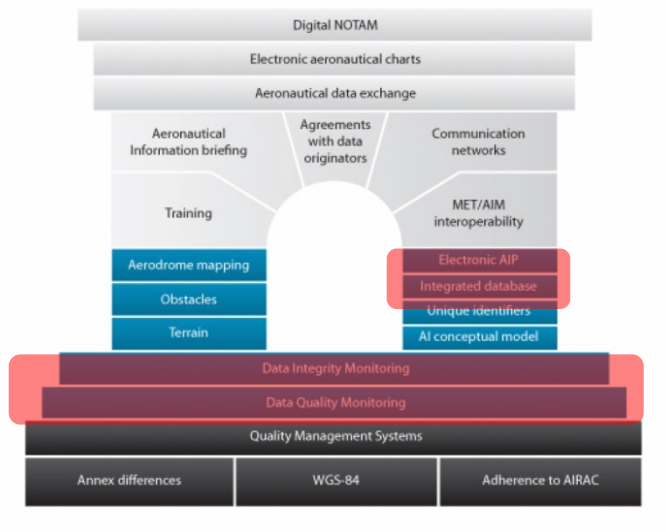
AIS to AIM Roadmap



- New ISO 9001:2015
- QMS Implementation
- Definition of customized process

AIM | Challenges

AIS to AIM Roadmap



- Complete, accurate and correct datasets.
- AIXM Expertise
- System to system synchronisation.

AIM | Challenges



Lack of resources

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AIM | Challenges



Lack of training

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AIM | Challenges



Lack of time

AIM | Efficient solutions

- Look at others
- Find who has been there
- Use lessons learned
- Avoid additional costs



AIM | Efficient solutions

- Follow management principles
- Increase your resources
- Benefit from years of experience
- Start from a leading position



AIM | Efficient solutions



Start looking for **EXTERNAL RESOURCES**

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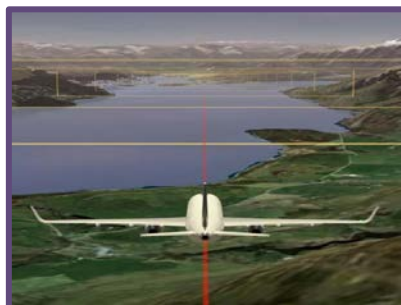
GroupEAD | your external resource

We are a high quality service provider with business in the field of information management services, products and training in ATM environment.

**AIM Operations
and Data
Solutions**



**PBN &
Procedure
Design Services**



**Training
Provision**



Consultancy

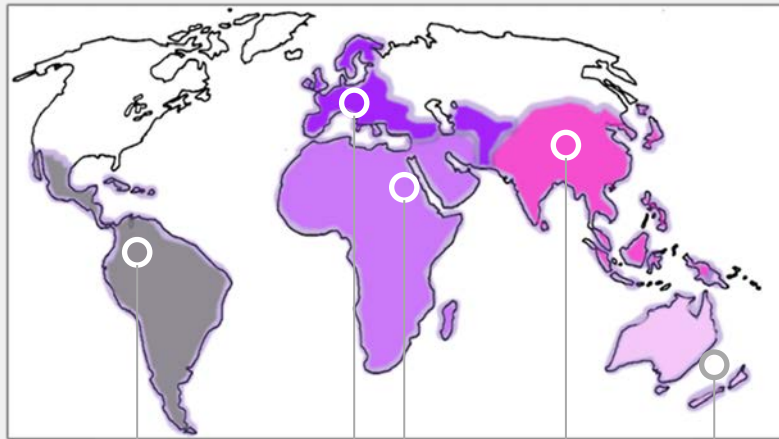


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Global Operating | GroupEAD

GroupEAD

A Global Operating Company in 5 Sales Regions Represented



GroupEAD
Europe

GroupEAD
Asia Pacific



ENAIRE

FREQUENTIS

GroupEAD
Europe

AIRWAYS
making your world possible

GroupEAD | Europe

- Spanish company **since 2001** with units in Madrid and Frankfurt
- Staff from **19 different nations** and different areas of expertise
- Three quarters of the staff are highly qualified **AIM experts** and continuously maintain their operational capability
- Certifications & membership
 - **ISO 9001 certified**
 - Associate member of CANSO
 - Gold World Business Partner of Airport Council International (ACI)
 - Corporate Member of IFAIMA
 - In progress to achieve ICAO TRAINAIR PLUS Membership and EAD Data Operation Service **SES certificate**



GroupEAD

GroupEAD | Asia Pacific

- GroupEAD Asia Pacific was launched in **July 2014**, in partnership between GroupEAD Europe S.L. and Airways New Zealand Ltd.
- Headquarter in Wellington, New Zealand
- Largest **Procedure Design team** in Asia/Pacific
- Specialised on PBN & Procedure Design services and Consultancy
- Certifications & membership
 - **ICAO recognised Instrument Flight Procedure Designer** (one of only seven companies worldwide)
 - Part 173 Instrument Flight Procedure Service Certificate (Domestic and International)
 - Part 175 AIP Service Certificate and NOTAM & Pre-Flight Information Service Certificate (Domestic)
 - Certified provider of State AIM service in New Zealand
 - Member of the ICAO IFPP



GroupEAD

EAD | EUROCONTROL

European AIS Database is owned by EUROCONTROL. More than 46 ANSPs and CAAs provide data simultaneously in the EAD.

GroupEAD defines, harmonizes, coordinates and supports, on a 24/7 basis, the operations of the largest AIM Database in the world.



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GroupEAD provides a 24/7 data operations service for EAD, consisting of **data maintenance, administration, coordination and support** to all participating organizations.

GroupEAD

AIM Provision | Asia Pacific

Owner and operator of the GroupEAD **smartAIM** system.

Certificated provider of **State AIM Services** in **New Zealand** and **9 other** States in the Region.

Commercial **Procedure Design** team, providing Instrument Flight Procedure (IFP) design services in accordance with ICAO PANS-OPS and Annex 14, as well as PANS-OPS Training and **PBN-implementation** consultancy services.



GroupEAD

Extract References | Europe

EAD Service Provision on behalf of EUROCONTROL

Starting with 5 pilot clients in 2003, today GroupEAD is handling more than **220** EAD client organisations. More than **150** Data Users making use of EAD data (airlines, software developers, etc). More than **0,5 million** NOTAMs manually processed in 2015. In the last 13 years GroupEAD has trained more than **3.600** students.



World Wide AIM Data Services

AIM **data maintenance** and **migration services** has been successfully provided in e.g. UK, Switzerland, South Africa, Philippines, Netherlands, Bosnia Herzegovina, Germany, Canada, Morocco, Jordan.



AIM Training References

Since the beginning, the GroupEAD Training Academy has trained more than **1.600** students from **50** different ANSPs and companies world wide.



Consultancy Services

With the unique expertise GroupEAD consulted for many organisations like ADQ in Belgian (EUROCONTROL), Germany, Romania, Bulgaria, Azerbaijan, etc.



GroupEAD

Extract References | Asia Pacific

AIM Service provider on behalf of New Zealand CAA

Provider of Certificated **AIM service**, including Aeronautical data, charting and publications, on behalf of CAA New Zealand. Responsible for the publication and distribution of **NOTAMs and AIP NZ Amendments and Supplements** (and associated charts) for New Zealand, management of the NZ Aeronautical database, and provision of the **NZ Pre-flight Information Service**.



Airways New Zealand and 8 Pacific Island States

Certified Instrument Flight Procedure (**IFP**) **design and maintenance** service, supporting ATM and the New Zealand PBN implementation plan. Pacific Aeronautical **Charting and Procedures** (PACP) contract (Designs for **11 Pacific Island states**).



RNAV References

Provision of **RNAV (GNSS) IFP** maintenance service for Papua New Guinea, Fiji, Vanuatu, Tonga, etc.



GroupEAD

AIM | Operations

Management of your day to day AIM requirements.

Save cost and efforts of keeping up with the changing AIM environment:

- **Data** Management
- Pre-Flight Information Service
- Tailored **Pre-Flight** Information services and **bulletins** for your customers.
- **NOTAM** Services, including validating, processing and publishing
- **Contingency** services for essential AIS functions.

AIP | Production

Production of your local information for you.

It takes away the day to day problems of collecting, aggregating, checking and publishing AIP data.

- **Custom AIP Services**
- **State AIP Services**
- AIP Publication
- **Aeronautical Charting**



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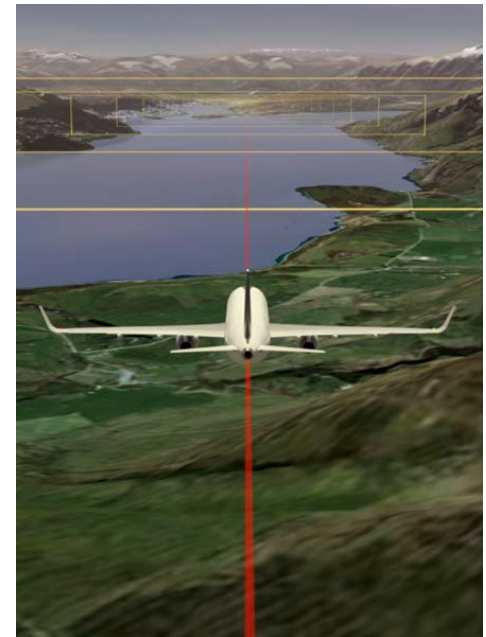
ADD | Procedures

Operational efficiency gains for you and your customers.

Extensive experience, advanced procedure design capability and **ICAO certification**.

Instrument Flight Procedures (IFP):

- ICAO PANS-OPS and Local Criteria
- Development & Maintenance Service
- **PBN/RNAV** and Conventional
- Concept Charts, ICAO Charts
- Theory and Practical **Training**



AIM | Training

Develop and maintain the AIM skills of your staff.

Basic and advanced training, provided **in your own language**, in our training centers or in your own location.

- Ab Initio
- AIM Specialities
- **AIXM** 4.5 and 5.1
- SmartAIM and EAD Training
- **Custom** training



GroupEAD

AIM | Consulting

Together we can find a solution.

More than 14 years supporting worldwide clients build up world class consulting expertise.

- **AIS to AIM** transition
- Procedure Design **Capability Assessment**
- **PBN** Implementation Plan
- **QMS** Implementation
- Custom consultancy service



GroupEAD

ADQ | Preparation

Your roadmap to ADQ Compliance.

Meet today's and tomorrow's requirements with GroupEAD.

- **ADQ Gap Analysis**
- **ADQ training**
- **ADQ Compliance Roadmap**
- **ADQ Implementation Service**



GroupEAD

GroupEAD | IFAIMA

Supporting AIM community.

GroupEAD



Special offers for IFAIMA members

GroupEAD

Summary | Conclusions

- Many AIM challenges affecting different organisations
- Others have already been there
- Use all your resources available
- Include external organisations
- Start from a leading position

GroupEAD, together with you

Thank you!

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