

Aeronautical Information Services – Aeronautical Information Management Study Group (AIS-AIMSG)

David Lewtas
C/AINF, MET/AIM Section
ICAO

8th Meeting of the AIS
Global Consortium
Orlando, Florida

OVERVIEW

- ⇒ **AIS-AIMSG origin and background**
- ⇒ **AIS-AIMSG/1**
 - **AIS to AIM Roadmap**
 - **Annex amendments**
 - **Guidance material**
 - **Legal and institutional issues**
 - **Interoperability with MET**
- ⇒ **AIS-AIMSG/2 and future work**

Origin and background

- ⇒ **Air Navigation Commission Study Group**
- ⇒ **To assist the Secretariat to progress tasks associated with the AIS-AIM transition**
- ⇒ **Members act as independent experts**
- ⇒ **Formed September 2008 to support the AIS- AIM work program**
- ⇒ **14 members**
- ⇒ **www.icao.int/anb/aim**

Tasks of the AIS-AIMSG

- ⇒ **Global strategy/roadmap**
- ⇒ **SARPs and guidance material to enable the global exchange of aeronautical information (models and their evolution)**
- ⇒ **SARPs and guidance material for the presentation of aeronautical information**
- ⇒ **Quality system- SARPs and guidance material**

Tasks of the AIS-AIMSG

- ⇒ **Review of SARPs and guidance material for eTOD**
- ⇒ **Staffing and training for the transition from AIS-AIM – guidance and training material**
- ⇒ **Development of a work plan to consider legal and institutional issues raised during the Net-centric Symposium**

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⇒ **Montreal, 2- 4 December 2008**

⇒ **Agenda**

- **Review of tasks**
- **AIS-AIM transition roadmap**
- **Annex amendment proposals**
- **Guidance material**
- **Legal and institutional issues**
- **Interoperability with MET**
- **Future work programme**

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AIS-AIM transition roadmap

- ⇒ **Action agreed 1/1 — Draft Roadmap for the Transition from AIS to AIM**
 - That the draft *Roadmap for the Transition from AIS to AIM*, together with the amendments agreed during the meeting, be endorsed by the group
- ⇒ **Action agreed 1/2 — Finalization of the Roadmap for the transition from AIS to AIM**
 - comments provided by AIS-AIMSG at the meeting and through correspondence; and
 - Road map presented to the Air Navigation Commission for inclusion on ICAO web sites

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AIS-AIM transition roadmap

⇒ Progress:

- Roadmap completed
- Noted by ANC, States to be informed
- Posted on ICAO NET and MET-AIM sites
- Sent for translation
- Living document that can be amended as the transition to AIM progresses

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Annex amendment proposals

- ⇒ **Action agreed 1/4 — Aerodrome mapping databases**
- **liaison with the joint EUROCAE/RTCA Committee WG44/SC217 to develop a draft proposal to integrate aerodrome mapping databases into Annexes 4, 14 and 15 provisions while maintaining compatibility with the AIXM**
 - **submit the draft proposed for consideration by the group at the AIS-AIMSG/2**

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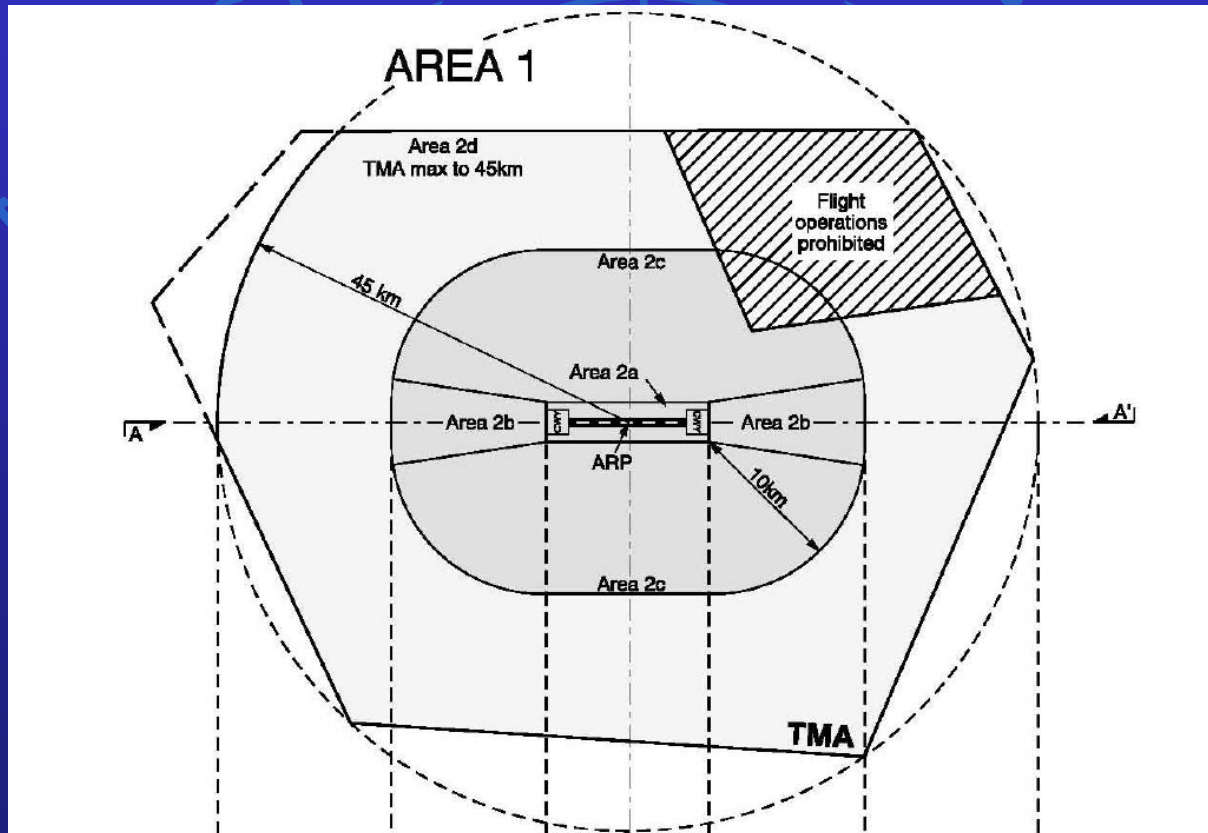
Annex amendment proposals

- ⇒ **Action agreed 1/5 — Draft Amendment 36 to Annex 15: Electronic terrain and obstacle data**
 - **members comment on the proposal to amend Chapter 10 of Annex 15 related to Areas 1, 3 and 4; and**
 - **ad hoc group to develop a draft proposal for inclusion in Amendment 36 to Annex 15**

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Annex amendment proposals

⇒ Area 2 draft proposal



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Annex amendment proposals

⇒ Action agreed 1/6 — Draft Amendment 36 to Annex 15: Automation enabling digital data exchange

3.6.5 Use of automation

Recommendation.— Automation enabling digital data exchange in AIS should shall be introduced, in a progressive manner, with the objective of improving the speed, accuracy, quality, efficiency and cost-effectiveness of aeronautical information services.

Note.— Guidance material on an aeronautical conceptual and data exchange model for the development of databases and the establishment of data exchange services is contained in the Aeronautical Information Services Manual (Doc 8126).

⇒ ANC preliminary review: “in a progressive manner” deleted, now proposed as a Recommendation. Guidance material to introduce models.

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Annex amendment proposals

⇒ **Action agreed 1/7 — Draft Amendment 36 to Annex 15: Electronic AIP (eAIP)**

4.6 Electronic AIP (eAIP)

4.6.1 Recommendation.— *The AIP, AIP Amendment, AIP Supplement and AIC should also be published in a format that allows for displaying on a computer screen and printing on paper.*

Note 1.— This composite electronic document is named “Electronic AIP” (eAIP).

Note 2.— Guidance material for the production and provision of the eAIP is contained in Doc 8126.

4.6.2 When provided, the information content of the eAIP and the structure of chapters, sections and sub-sections shall follow the content and structure of the paper AIP. The eAIP shall include files that allow for printing a paper AIP.

4.6.3 Recommendation.— *When provided, the eAIP should be available on a physical distribution media (CD, DVD, etc.) and online on the Internet.*

Note.— Guidance material on the use of the Internet is contained in Guidelines on the Use of the Public Internet for Aeronautical Applications (Doc 9855).

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Annex amendment proposals

⇒ Action agreed 1/8 — Draft Amendment 36 to Annex 15: Quality

- Clarifies scope of QMS
- One CRC for all integrity classifications
- Upgrades provision of automated pre-flight briefing information systems to a Standard
- Human factors considerations
- Use of Metadata
- AIRAC- clarifies applicability of major changes

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Annex amendment proposals

⇒ **Action agreed 1/10 — Draft Amendment 36 to Annex 15: NOTAM date and time**

5. Item B)

For date-time group use a ten-figure group, giving year, month, day, hours and minutes in UTC. This entry is the date-time at which the NOTAMN, NOTAMR OR NOTAMC comes into force. In the cases of NOTAMR and NOTAMC, the date-time group is the actual date and time of the NOTAM origination. The start of a day shall be indicated by “0000”.

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Annex amendment proposals

- ⇒ **Action agreed 1/13 — AIS-MET data link services**
- **Liaison established with the joint EUROCAE WG76/ RTCA SC 206 Committee regarding the possible inclusion in ICAO Annexes of high-level SARPs related to AIS-MET data link services**
 - **Report back to the group on developments at the AIS-AIMSG/2 meeting.**

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Guidance material

- ⇒ **Action agreed 1/14 — Guidance material for aerodrome mapping data bases**
- ⇒ **Action agreed 1/16 — Ad-hoc group on including AIM in Annex 15 SARPs**
 - **That an ad-hoc group consider the restructuring of Annex 15 to introduce the notion of services and separate data from publications**
 - **develop a digital AIM services manual**

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Evolution of the data exchange model

- ⇒ **Action agreed 1/17 — Future evolution of the data exchange model**
 - That the group act as the primary body for reviewing and endorsing the evolution of the model at the global level based on mature proposals emanating from regional and multi-national agreements.



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Guidance material

- ⇒ **Action agreed 1/18 — Guidance material on electronic AIP (eAIP)**
- ⇒ **Action agreed 1/19 — Guidance material on AIS training**
 - **EUROCONTROL's *Common AIS Staff Profiling (CASP) and AIS Training Development Guidelines***
 - **Align with ICAO PANS-TRG**

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Guidance material

- ⇒ **Action agreed 1/20 — AIS quality manual**
- *Manual on the Quality Management System for the Provision of Meteorological Service to International Air Navigation (Doc 9873);*
 - *World Geodetic System — 1984 (WGS-84) Manual (Doc 9674), Chapters 2 and 6;*
 - *Quality Assurance Manual for Flight Procedure Design (Doc 9906);*
 - *Draft ICAO AIS Quality Manual;*
 - *CHAIN Principles of Quality Management;*
 - *AIS Data Process (ADP) and Static Data Procedures (SDP); and*
 - *States' AIS quality manuals.*

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Guidance material

- ⇒ **Action agreed 1/22 — Guidance material on NOTAM**
 - That guidance material on NOTAM in Doc 8126 be harmonized with OPADD 3.0 by the Secretariat as part of Amendment No. 2 to Doc 8126.
- ⇒ **Action agreed 1/23 — Integrated briefing**
 - ICAO EUR Doc 010 — *Harmonized access to AIS and MET services relating to pre-flight planning* to be further developed

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Guidance material

- ⇒ **Action agreed 1/24 — Frequently asked questions (FAQ) on AIRAC adherence**
 - Post frequently asked questions (FAQ) on AIRAC adherence on the AIM website
- ⇒ **Action agreed 1/25 — Evaluation of pTracker Tool**
- ⇒ **Action agreed 1/26 — Guidance material on AIRAC adherence**
 - Evaluate the use of AIRAC related paragraphs in aeronautical industry standards ED 77/DO201A and the *Manual on Required Navigation Performance (RNP)* (Doc 9613) in Doc 8126

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Guidance material

- ⇒ **Action agreed 1/27 — Update of NOTAM Selection Criteria**
 - Update of *AIS Manual* (Doc 8126)
- ⇒ **Action agreed 1/31 — *Aeronautical Chart Manual* (Doc 8697)**
 - Update of *Aeronautical Chart Manual*
 - Automation/GIS chapter, PBN, hierarchy concept and symbology

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Legal and institutional issues

- ⇒ The group was briefed on guidance in Doc 9082 — *ICAO's Policies on Charges for Airports and Air Navigation Services* and Doc 9161 — *Manual on Air Navigation Services Economics* related to AIS.
- ⇒ The group considered that it was important to establish the minimum regulatory requirements for data provision by States.
- ⇒ These requirements should be clearly distinguishable from commercial value-added products or services.

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Legal and institutional issues

- ⇒ The current scope of core data necessary for safe, regular and efficient air transport was defined by the integrated aeronautical information package, but the future scope needed to be clearly identified.
- ⇒ Any expansion of the core data set should be justified by the need to serve agreed requirements.
- ⇒ It was also noted that third parties would need a clear definition of the boundaries between regulatory provision and value-added services where competition rules apply.

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Legal and institutional issues

- ⇒ **Action agreed 1/32 — Legal and institutional issues**
- ⇒ **Ad hoc group tasked with:**
 - **consolidating all available information related to cost recovery, copyright and liabilities for AIS; and**
 - **developing a list of current and future institutional and legal issues to be considered in the context of current AIS and future AIM.**

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Interoperability with MET

- ⇒ Ongoing work related to NextGen and SESAR continued to develop the concept of associating meteorological information with the aeronautical information management framework.
- ⇒ Active consideration of the codes to be used for the exchange and dissemination of aeronautical MET information by WMO is underway
- ⇒ Likely that XML would be used to migrate to table-driven code forms.

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Interoperability with MET

- ⇒ **Action agreed 1/33 — Expertise on the inclusion of meteorological information in the data-centric environment**
- the Secretary invite the WMO to nominate a member to the group;
 - the Secretary coordinate with the Secretaries of ICAO MET study groups and operations groups; and
 - members ensure that expertise be made available to them on the inclusion of meteorological information in the data-centric environment for the work of the group, as necessary.

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Future work

- ⇒ **AIS-AIMSG/2 : 10 to 13 November 2009**
- ⇒ **Follow-up list of 33 AIS-AIMSG/1 actions agreed (deliverables) is at : www.icao.int/anb/aim**
- ⇒ **2009 - Annex 15 # 35, Annex 4 # 55**
- ⇒ **2010 - Annex 15 # 36, Annex 4 # 56**
- ⇒ **2013 - Annex 15 # 37, Annex 4 # 57**
- ⇒ **Late 2012-2013 Divisional type meeting**



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Thank You