

AIXM – WXXM Conference

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EUROCONTROL

Aeronautical Information

- FMS introduced early 1970's
- Database driven
- Already concerns over quality of data
- Real concerns expressed in Europe in mid 1980's
- ICAO Working Group established but could not agree solution
- Problem handed to EUROCONTROL in 1990

EAD

- 1995 – Agreement in EUROCONTROL resulted in the development of the European AIS Database (EAD)
- Originally conceived around a Data Conceptual Model (AICM) team realised that exchange of data key
- Concept of AIXM born
- Originally to be HTML-based but XML became available
- AIXM V3.3 at heart of EAD operational in June 2003
- Success encouraged development of others domain models including WXXM

Cooperation

- Close cooperation EUROCONTROL & FAA on AIXM/WXXM
- Both continue to evolve
- Both intended for adoption by ICAO essential for global applicability
- Equally critical is implementation by industry

Adoption by industry

- Industry adoption of AIXM/WXXM critical for implementation of AIM
- Its task is to translate concepts and specifications into usable products
- To design systems, develop procedures and to incorporate products into the greater ATM system
- Industry and EUROCONTROL/FAA must be fully engaged in dialogue to
 - Understand needs, and
 - Each others limitations

Dialogue

- Communication is essential
- AIXM Conference has been running for some years
- Has evolved from a limited baseline to the event of today
- It has proved effective in opening up communication throughout the AIM and MET paradigms
- The results are a growing list of products, applications
- All contributing to the realisation of IM

Challenge of change

- Any change is challenging
- This especially so in the safety oriented, conservative environment of ATM
- Evolution of AIXM has proved that change can be managed through dialogue and common understanding
- Achieved through
 - Mutual understanding and respect
 - The creative capabilities of industry, and
 - Enthusiasm
- All represented in this Conference

The future

- Challenge for this Conference and those that follow is to:
 - Maintain momentum
 - Strengthen understanding between customer and supplier
 - And on a global basis
- Opportunities for industry based on data models immense:
 - Digital portrayal of data
 - Data link applications especially exploiting concepts such as D-NOTAM
 - Decision support tools for CDM

Conclusion

- SESAR and NextGen need AIM (and SWIM beyond)
- They need industry to develop systems, applications, tools and services
- Represented in this auditorium is the means to achieve the future
- Together you will deliver AIM
- I wish you a very successful Conference