LA REVUE

Nom	International Airport Review
Type	Bimestriel
Domaine	Aéronautique
Date de parution	Septembre 2011

L'ARTICLE

Rubrique AIM (Aeronautical Information Model)

Titre ## Towards AIXM 5.1

Introduction "Issued from a joint effort from Eurocontrol and FAA, the AIXM 5.1 model, latest aeronautical model with 10 years history, including major versions like AIXM 3.3, 4.0, 4.5, 5.0, become a world-wide recognized model, and is more and more implemented in many AIS systems."

NOTRE RÉFLEXION

- A quand un modèle de données unique dans l'Europe ? Et dans le monde ?

- Comment résoudre le paradigme typique : universalisation = complexité ?

Pulsar ATM — IT Design & ATM Solutions

Towards AIXM 5.1

Issued from a joint effort of Eurocontrol and FAA, the AIXM 5.1 model, latest aeronautical model with 10 years history, including major versions like AIXM 3.3, 4.0, 4.5, 5.0, become a world-wide recognized model, and is more and more implemented in many AIS systems. Version 4.5 is the base data model for the European Aeronautical Database (EAD), and version 5.1 is used by SESAR as a basis for the AIRM (ATM Information Reference Model), part of SWIM (System-Wide Information Management).

Albert Einstein, "Three Rules of Work"

1. Out of clutter, find simplicity
2. From discord, find harmony
3. In the middle of difficulty, lies opportunity

In every implementation based on AIXM 5.1, a particular attention must be brought by developers to the following **Improvements**, with important technical impact: Temporality implementation in the database, the GML usage and geographical representation and standards (WFS, KML, etc), and the Metadata implementation.

With 14 years IT experience in different **ATM Areas**, 10 years on AIXM models and

versions, and many web applications built around AIXM, Pulsar Consulting brings various **IT services** and **Technical Expertise** to answer to AIXM 5.1 complexity. Pulsar offers general services as Experts/Implementers, based on its own agile-like methodology, on result orientation, and on fixed price implementation. Not being product owner, there is no potential conflict of interest with client's needs, and no dependency on AIS COTS or other suppliers' technologies, which enables best choices related to client's requests.

Pulsar competencies

Discover beside our AIXM competencies, and some **Examples** of applications built on top of versions 4.5, 5.0, & 5.1.

Other ATM competencies at Pulsar

AMHS, CIDIN, AFTN, NAVAIDS (5 Letter Name Codes + Route Designators), Airspace Modeling, Route Design, Airport Mapping, Capacity and Delay Statistics, Human Factor, Surveillance and Mode S RADAR, Civil-Military Flexible Use of Airspace, ED-153 + SWAL3 Software QA standards.

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References

www.pulsar-atm.com

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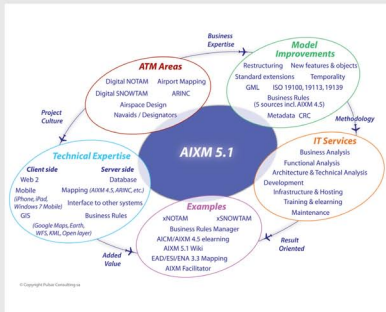
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