



# Managed-AIS Software



## Introduction

Managed-AIS are an Aeronautical Information Software and Services company offering world class Data Management and Publishing solutions. We provide a range of Off-the-Shelf products that are tried, tested and in use in over 30 States and organisations around the world. We are best known for the world-leading AIP and eAIP software FrameAPS/apsXML, but we also offer a full supporting suite of AIXM Data Management and Aeronautical Data Exchange Products.

M-AIS provide a suite of modular software to meet the growing requirements for safe, integrated aeronautical information management and distribution. The systems we develop enable States to collect, store, manage and deliver their data in any required format with full confidence in quality.

- AIP Solution – FrameAPS
- eAIP– apsXML R8 NEW FOR 2013
- DITA APS NEW FOR 2013
- AIXM 4.5 Data Management System
- AIS Data Mapping – ADEP
- AIXM 5.1 Suite with FME® Spatial Data Exchanger NEW FOR 2013

## COTS Software



### apsXML eAIP Creation and Management Software R8 New!

Managed-AIS apsXML® is an XML-based eAIP and paper production solution fully compliant with EUROCONTROL's specifications. It also offers tools to import structured and non-structured AIP data for painless, automated conversion to the structured eAIP that is valid, well formatted and fully compliant with the EUROCONTROL DTD.

apsXML® harnesses the power of XML to allow distribution of rich eAIP data for EAD, print, web and CD purposes making future distribution of updates efficient, accurate and more flexible. apsXML® bridges the gap between AIXM Static Database Operations (SDO) and the eAIP specification by allowing content generation inside an eAIP direct from the database.



### DITA-APS Structured Aeronautical Data Publishing New!

Harnessing the power of DITA (Darwin Information Typing Architecture), M-AIS offer clients the possibility of creating structured XML documents for Aeronautical publishing outwith the confines of the eAIP.

Utilise the free structure of DITA to create documents such as the VFR Guide, Military AIP, Manual of Air Traffic Services without being tied to an AIP layout or format. Insert Datalinks, Tables and Graphics where you require them from the APS aeronautical suite. Publish the document(s) to either the eAIP specification or use the power of the DITA Open Toolkit to create Help files, HTML, XML, RTF, PDF, Open Document Format and many others to your own exacting specifications.





### FrameAPS AIP Creation and Management Software

Managed-AIS have worked in co-operation with EUROCONTROL and Civil Aviation Authorities worldwide to create a solution that allows the user to create, manage and deliver each State's documentation and static data with complete reassurance of safety and data integrity.



### AIXM 4.5 Data Management System

The Managed-AIS AIXM Database system is a central repository for static aeronautical data. The main objective of the system is the safe storage of high-quality aeronautical information for Aeronautical Information Management and AIP publishing purposes. Many countries still use and need to exchange data in AIXM 4.5, this system offer rock solid, stable data management with a proven pedigree at a very affordable price.



### AIS Data Exchange Processor – ADEP

The AIS Data Exchange Processor is a unique software application for defining, prototyping and running complex transformations over aeronautical data from any source to any output format. The power of the system is in its ability to chain together multiple user-defined and system processes to create customised automated data-mapping applications. Process chains and their components are named and stored in the system so that they can be reused and reconfigured at any time.



### AIXM 5.1 Suite with FME® Spatial Data Exchanger <sup>NEW!</sup>

Managed AIS have teamed up GML Industry technology leader FME® software with our own data management suite to offer the most fully featured aeronautical data exchange suite currently on the market today. With GML, AIXM Data (5.1 and 4.5), CAD/GIS (Arc, DGN, DWG and more) and Terrain modelling at your fingertips you can import and export data to the M-AIS Data Content Management system from any and all sources imaginable.

The system stores and catalogues data for easy access and ADQ compliant workflow, while the FME workbench and server software offer the user unparalleled flexibility for ingesting and exporting datasets to meet all SESAR, ICAO, SWIM, eTOD and proprietary system format needs.

The system can visualise data from over 200 data formats and output data directly to databases, WMS and WFS as the client requires.



### Custom Software Development

Upon demand, a client can ask M-AIS to develop new systems or add features to existing products that are targeted to their own specialist requirements. In the past this has allowed us to develop such tools as DFLIP document creation tools and the ADEP tool.

Our latest development in this field was the new ASM Catalog for Eurocontrol, utilising SWIM interoperability within the EAD to create a Europe-wide index of CDR data in an easy to read format.