

AIM Aeronautical Information Management System

A Total AIM System Solution

Aeronautical Information Management (AIM) must incorporate, at all levels, the management, structure, delivery and control of all critical and relevant information for Air Traffic Management. The AIM must handle aeronautical and meteorological, flight planning, airspace configuration and ATM/CNS systems status (planned and real time) data in a structured way. The full benefit of the AIM system can only be realised when the correct information, in the correct format, is made available to all system users at the right time. To achieve this the processing of aeronautical information must be managed and coordinated throughout the whole process under strict control procedures, ensuring quality from origination to publication, and through to incorporation into end-user systems.

ADAMS AIM Features

Based on the modular design structure each ADAMS component part is scalable for any size of AIM system.

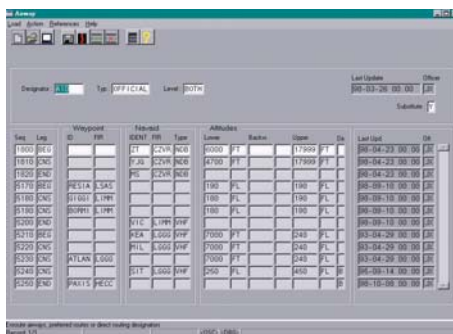
ADAMS comprises the following packages

- NOTAM Database
- OPMET Database
- WAFS Database
- ICAO & IFPS/CFMU TACT Flight Planning
- Static Database
- Integrated Briefing
- Interface to eAIP.Wiz@rd, eMAP.Wiz@rd and eFLIP.Wiz@rd
- Interface to the European AIS Database (EAD)

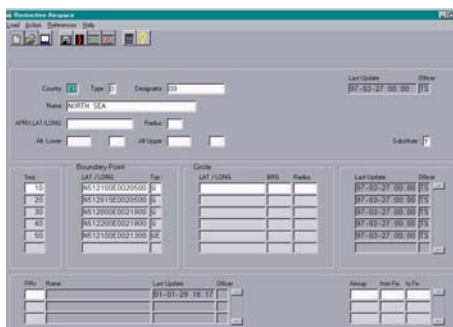
NOTAM Database

The Aeronautical Data And Message Handling System - ADAMS – supports this structure through its AIM Suite of products which are tightly integrated with Avitech's stand alone systems – the eAIP.Wiz@rd products and the Sm@II.AIS www Integrated Pilot Briefing System. All the ADAMS components are available off the shelf and form a total integrated AIM System solution.

This component is designed to automate NOTAM production, storage, distribution and retrieval in full compliance with ICAO standards and the specific needs of different ICAO regions. It covers NOTAM, SNOWTAM, ASHTAM, BIRDTAM, ANM, AIM, and CRAM and assists harmonisation of NOTAM formats. All specific NOTAM formats like US FDC, Canadian Domestic NOTAM are supported. Multi-part handling, automatic checklist generation and checklist analysis are some examples of the rich scale of features.



Seq	Line	Waypoint ID	Waypoint Name	Altitude	Class	State	Da	Last Update	Officer
1810	END	CT	CZVR 600	6000	PT	17500	PT	98-04-23 00:00	ST
1815	END	FJA	CZVR 600	4700	PT	17500	PT	98-04-23 00:00	ST
1820	END	PL	CZVR 600					98-04-23 00:00	ST
1870	END	RESIA	SAS	190	PL	190	PL	98-08-10 00:00	ST
1880	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1890	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1900	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1910	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1920	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1930	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1940	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST
1950	END	1800	S199	180	PL	180	PL	98-08-10 00:00	ST



Seq	Line	Boundary Point ID	Boundary Point Name	Circle ID	Circle Name	Radius	Last Update	Officer
10		NS12100E0020500	0				97-03-27 00:00	ST
20		NS12910E0020500	0				97-03-27 00:00	ST
30		NS12900E0021000	0				97-03-27 00:00	ST
40		NS12200E0021000	0				97-03-27 00:00	ST
50		NS12100E0021000	0				97-03-27 00:00	ST

OPMET Database

This component is designed to automate the storage and retrieval of METAR, SPECI, SIGMET, and TAF messages. It is an integrated component of the ADAMS package.

WAFS Database

This component is designed to automate the storage and retrieval of World Area Forecast System Charts and satellite images. It is integrated into ADAMS package.

ICAO & IFPS/CFMU TACT Flight Planning

This component is designed to automate the preparation, distribution, storage, reception and validation of ICAO Flight Plans, IFPS and CFMU/TACT Messages. It provides a full functional inter-

face to IFPS and CFMU/TACT. Inbound and Outbound lists assist the work of operators.

Static Database

This component is designed to store all aeronautical static data in an AICM/AIXM database. The implemented AIS Data Process and the Static Data Procedures from Eurocontrol ensure to make data consistently available to all applications. Data import from EAD and ARINC424 files is supported.

Integrated Briefing – Sm@II.AIS

This component addresses the integrated self-briefing activities at airfields and from home for business and general aviation users. It makes NOTAM, OPMET data and WAFS charts available in graphical format based on Flight Plan Filing and authorisation. AIPs can be viewed electronically if available.

Interface to eAIP,Wiz@rd, eMAP,Wiz@rd and eFLIP,Wiz@rd

The Static Database and the NOTAM Database can be interfaced to the .Wiz@rd family to improve the quality and to automate the workflow between an AIP Department and a NOTAM Office.

Interface to European AIS Database (EAD)

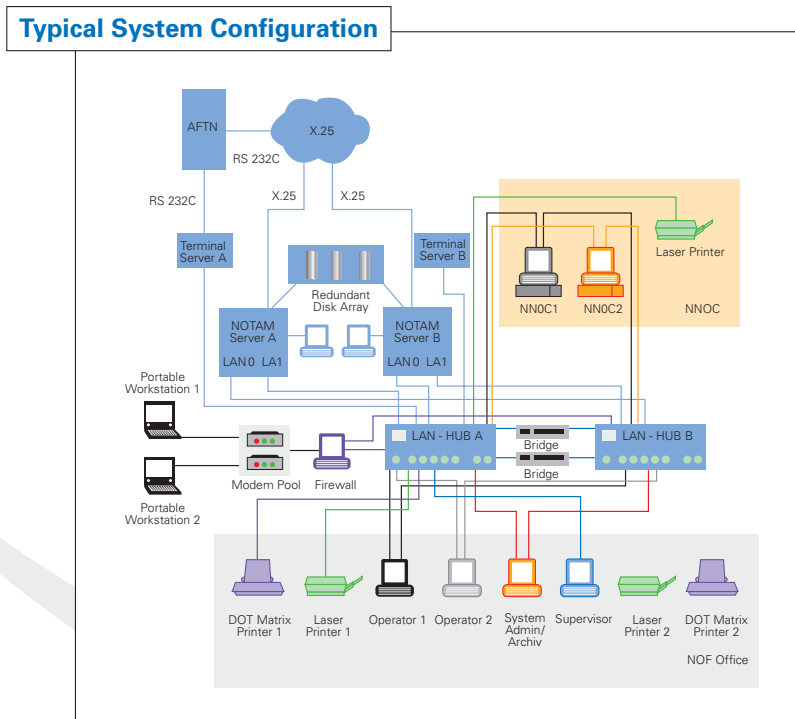
The Static Database and the NOTAM Database can be interfaced to EAD through the EAD System Interface (ESI) and through the EAD Network Adapter (ENA), if required.

System Requirements

The minimum system requirements are HPUX 11.x, SunSolaris 9, or Red Hat Linux AS 9, and Oracle 9i as RDBMS for the server. For the client workstations and for the self-briefing terminals any PC can be used which runs the Java Runtime Environment 1.4 or higher.

Conformance Statement

The ADAMS AIM system conforms to ICAO Annex 15 – AIS, ICAO AIS Manual (Doc 8126). The Eurocontrol AIS Data Process (ADP), Static Data Procedures (SDP), Integrated Self-Briefing Concept, and IFPS/CFMU TACT Manual 9.x are also implemented. The Static Database conforms to AIXM Edition 3.3. The OPMET/WAFS Database considers the WMO Manual on GTS.



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