



ICAO DAKAR UNITING AVIATION

Avitech GmbH eAIP Capabilities & Experiences

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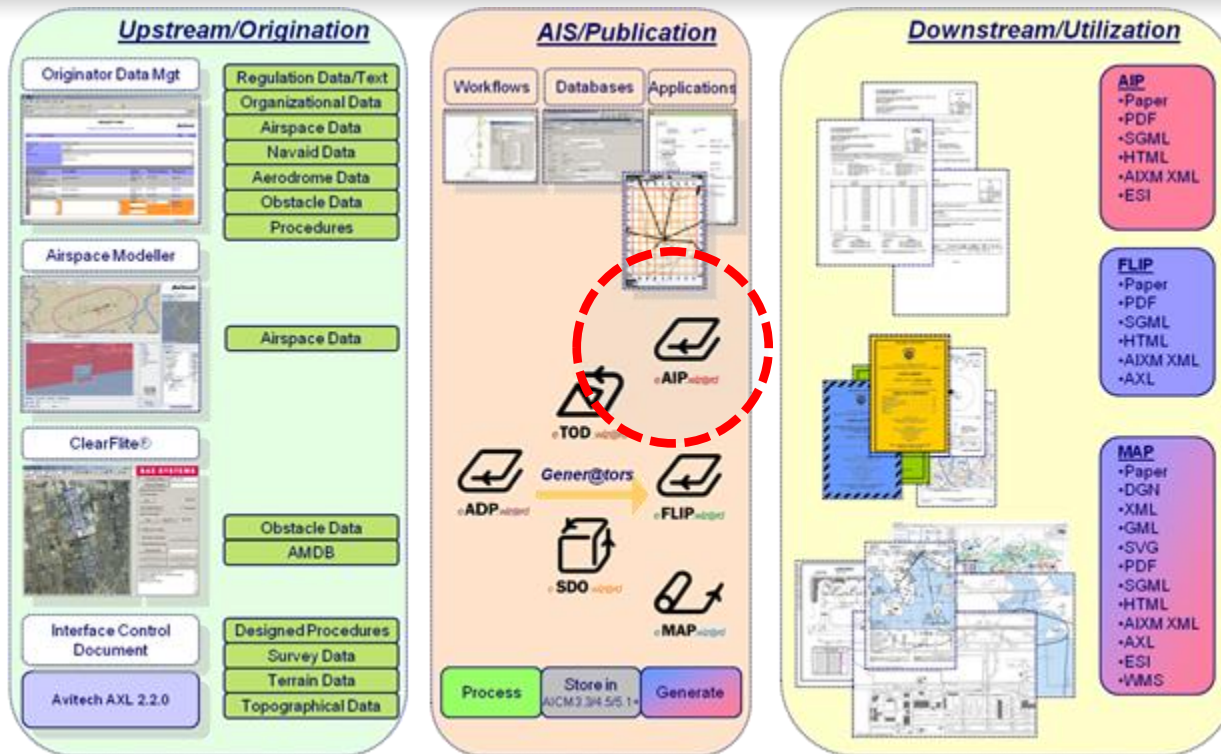
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Avitech – Introduction

- Avitech GmbH of Germany, is a key piece in Indra ATM being the unique provider of Aeronautical Information Management (AIM), Message Handling, Communications (ATC MHS) and Tower Information and control solutions
- SW and HW Products, Turnkey Systems and Services, Maintenance Support, Training.
- More than 40 years of experience in Aviation Industry.
- Experience in AIM civil and military projects at national and international level





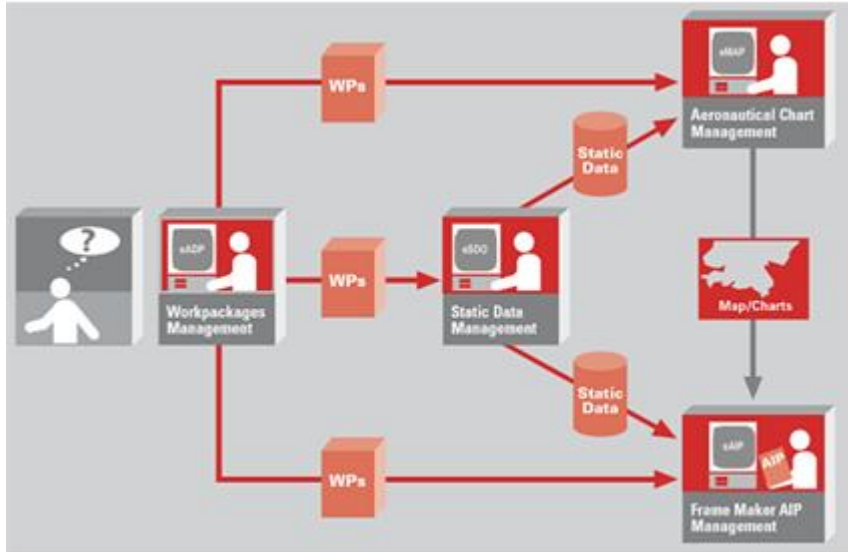
The eAIP.wiz@rd system provide the following types of aeronautical publications (as defined by ICAO Annex 15 and Doc 8126):

1. Aeronautical Information Publication (AIP),
2. AIP Amendment (AMDT),
3. AIP Supplement (SUP),
4. Aeronautical Information Circular (AIC),
5. NOTAM,
6. NOTAM summary.



eAIP.wiz@rd

Beside these types of publications the system also supports maintenance of customer-specific publication types (e.g. VFR manuals).



Avitech's e-Wiz@rd Suite – Tools for AIM

Wiz@rd suite is based on Web Portal principles. The Wiz@rd Suite Portal provides web based access to different AIM related data, applications and processes to integrate different actors in AIM processes, such as data originators, data collectors, data publishers and data users.

The Wiz@rd Suite product family is an integrated set of tools which not only support the tasks of AIP and Chart production, but together with advanced static data management (AIXM), document management and workflow management capabilities provides complete support for all operations of AIS/AIM



Avitech has designed a system that is strictly based on the chronological order of tasks and processes and that allows the intuitive management of a number of work packages. All main and supporting modules are easily accessible through the task management system. Each task is generated by the system according to a defined process and has tools allocated to it which can be used to execute the tasks (e.g. SDO).



Adobe Framemaker

Adobe FrameMaker+SGML provide the benefits of SGML without requiring users to become proficient in the technologies of SGML.

Guided editing, context-sensitive formatting, and familiar WYSIWYG environment which let authors focus on the content of their documents.

Interactive validation which helps to automate quality assurance of documents.

FrameMaker+SGML maximizes the value of information by giving structure to documents.

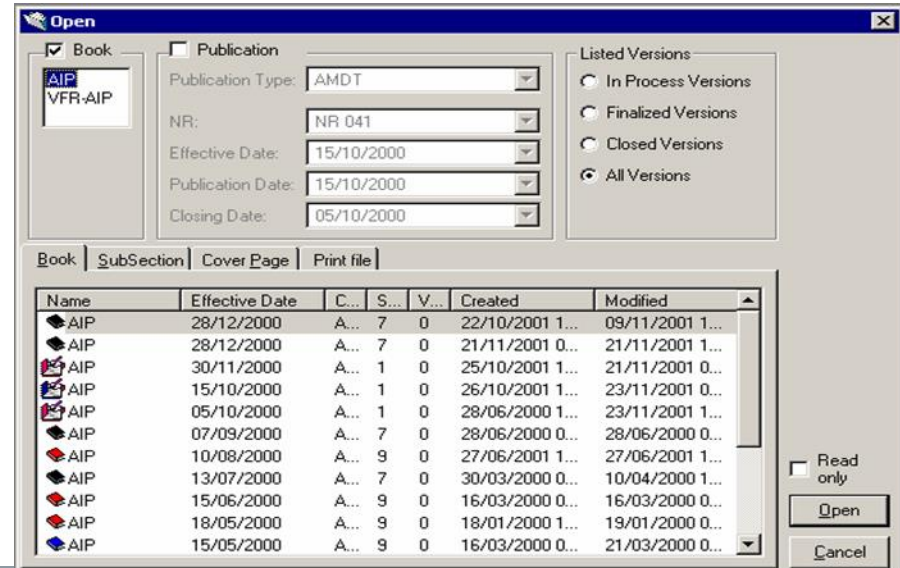
FrameMaker+SGML provides two interactive windows for manipulating information: Fully formatted content and structure views. In the Structure View the real-time validator gives users a continuous graphical view of the document's structure and its compliance to document rules.



eAIP.wiz@rd – Document Management

The document management system stores all documents maintained by the system
It is used for all types of documents maintained by the system:

- AIP Publications
- Supplements
- Amendments
- AICs
- Custom publication types and charts
- Document templates
- Document parts generator templates





eAIP.wiz@rd Templates

By default the system is deployed with ICAO-compliant document templates.

However easy customization is possible in order to implement the exceptions which typically exist within any organization.

Each document is created from an existing.

The impact of Template modification could be to change the content of several pages.

These changes are automatically identified by system – changed pages are offered to the operator to be published.



eAIP Graphics

The FrameMaker offers two ways to add graphic objects into text pages

Built-in drawing tools

Import of existing graphic files, using the import functionality (eg.)

Adobe PDF	EPS, EPSF, EPSI	PNG (Portable Network Graphics)
BMP	GEM 3	QuickDraw PICT
CCITT G3, G4	GIF 87, 89	SVG
CGM 86&92 specs	HPGL, HPGL 2	Sun Raster
CorelDraw 3, 4, 5, 6	IGES	TIFF
DRW (Micrografx Designer)	JPEG	WMF (Windows Metafile)
DXF (AutoCad 10, 11, 12, 13)	MacPaint	WPG WordPerfect 1, 2
EMF (Enhanced Metafile)	PCX, DCX	XWD



eAIP Update & Consistency Report

Once the data been linked to DB
The eAIP.wiz@rd is able to collect the Changes

- system generate report with data to be updated.
- with the links navigating to them

The screenshot shows the Adobe FrameMaker (Structured) interface. The main document window displays a structured document with several updates. The 'Changes' dialog box is open, showing a list of updates with columns for Feature Type, Natural Key, Property, Value, and Task ID.

Document Content:

Old value: "[AMSWELL FIS](#)" on page 2
New value: AMSWELL FIC

Subsection gen3-5.fm:

Source: Organization or authority: METEOROLOGICAL BUREAU OF DONLON
column: Organization name
Old value: "[DONLON](#)" on page 4
New value: METEOROLOGICAL BUREAU OF DONLON

Source: Organisation unit providing services: DONLON MET BRIEFING OFFICE
column: Unit name
Old value: "[DONLON](#)" on page 5
New value: DONLON MET BRIEFING OFFICE

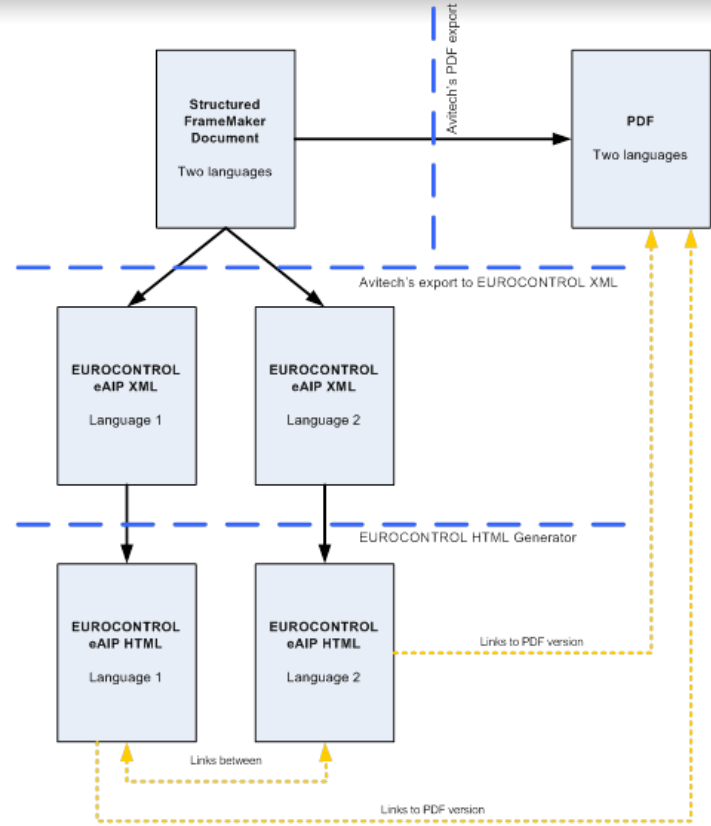
Source: VOR: DON 522636N 0320003W
Old value: "[116.400](#)" on page 4

Changes Dialog Box:

Feature Type	Natural Key	Property	Value	Task ID
<input type="checkbox"/> Aerodrome / Heliport	EADA	Observe VFR	N	111
<input type="checkbox"/> Aerodrome / Heliport	EADA	Observe IFR	N	111
<input type="checkbox"/> Aerodrome / Heliport	EADA	International traffic	N	111
<input type="checkbox"/> Aerodrome / Heliport	EADA	National traffic	N	111
<input type="checkbox"/> Aerodrome / Heliport	EADA	Private flight	N	111
<input type="checkbox"/> Aerodrome / Heliport	EADD	Unit of measurement [ve	FT	112
<input type="checkbox"/> Aerodrome / Heliport	EADD	Geoid undulation	40	112
<input type="checkbox"/> Aerodrome / Heliport	EADD	Elevation	99	112
<input type="checkbox"/> Aerodrome / Heliport	EADD	Site description	045', 5 NM from Donlon	112
<input type="checkbox"/> Aerodrome / Heliport	EADH	Geoid undulation	30	112
<input type="checkbox"/> Aerodrome / Heliport	EADH	Elevation	59	112
<input type="checkbox"/> Aerodrome / Heliport	EADH	Unit of measurement [ve	FT	112
<input type="checkbox"/> Aerodrome / Heliport	EADK	ARP latitude	431440N	111
<input type="checkbox"/> Aerodrome / Heliport	EADK	ARP longitude	0364420W	112
<input type="checkbox"/> Aerodrome / Heliport	EADT	ARP longitude	0263412W	111
<input type="checkbox"/> Aerodrome / Heliport	EADT	ARP latitude	555006N	111
<input type="checkbox"/> Aerodrome / Heliport Usage L	EADA 10	Work HR	H24	111
<input type="checkbox"/> Airspace	ADIZ EAA1	Remark	Unidentified ACFT will	101
<input type="checkbox"/> Airspace	AT7 EADH	Class	n	112



eAIP Multi-lingual AIP production process





eAIP.wiz@rd –Export for Publication & Eurocontrol eAIP (v.2.0)

Export of the complete publication, amendment or selected publication elements is possible into the following formats:

- Eurocontrol eAIP (PDF and HTML; multi-lingual),
- EAD export (PDF and HTML; multi-lingual) with automatic upload functionality,
- Adobe FrameMaker,
- Adobe PDF (Portable Document Format),
- XML (eXtensible Markup Language) using Eurocontrol eAIP DTD for AIP. This export format also allows a transformation into other DTD utilizing XSLT transformations.
- SGML (Standard generalized Markup Language),
- HTML (HyperText Markup Language).



Avitech's experiences with the implementation of the eAIP with Customers:

- Dubai
- Abu Dhabi Airports
- NATS/Avinor
- Slovakia
- Slovenia
- Taiwan
- Mongolia
- German Armed Forces

Bahrain CAA,

Mongolia CAA,

Saudi Arabia CAA (JAN 2016),

Slovak CAA (direct link to eAIP*),

Taiwan CAA,

[DONLON - Avitech's Consistent ICAO Specimen AIP.](#)



Avitech's experiences with the implementation of the eAIP

- People
- Processes
- Tools





Thank you 😊
Contact Avitech for more Details!!!

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