

Datasheet: smartAIP

Comprehensive AIP document management

The Frequentis Aeronautical Information Publisher (smartAIP) is an application for the creation and editing of aeronautical publications such as AIPs, eAIPs, supplements, amendments and circulars. The automated publication generation process was developed in conjunction with AIM operators and international aviation authorities to ensure that the requirements of these organisations are addressed. The data-centric approach utilises information from the AIXM 5.1 data repository to automatically populate publications with the latest aeronautical information.

In order to further facilitate the management of this information, the smartWebClient is a browser-based application to manage documents, publications and aeronautical information. Workflows are an integrated part of the functionality to allow tracing every step of these processes.

Key features

smartAIP

- Supports creation of bilingual AIPs
- Automated Version Control
- WYSIWYG text editor
- Automated highlighting of document changes in accordance to ICAO Annex 15

smartWebClient

- Workflows for updating text and charts including verification and publication steps
- Manages text and charts from a single application
- Automatically generated tables in data-driven chart layouts
- Handling of multiple AIP publication types – ICAO Annex 15 or custom
- Temporality including version control
- Continuous data consistency check and alerts for users if updates are needed
- Simple UI for updating AIP releases in published AIP management systems (PAMS)



smartAIP and smartWebClient at a glance

- ICAO Doc 8126 and the EUROCONTROL eAIP specifications
- Powerful table generation tools allow direct access to AIXM 5.1 database
- Single source of layout templates ensure unified appearance in the entire publication

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AIP CZECH REPUBLIC				ENR 4.4-1 26 MAY 17			
ENR 4.4 KÓDOVÉ NÁZVY OZNAČENÍ VÝZNACNÝCH BODŮ							
ENR 4.4 NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS							
<p>Poznámka: Souřadnice bodů psaných kurzívou a označených *ED, *EP, *LO a *LZ jsou do AIP ČR převzaty z European AIS Database (EAD). Body jsou publikovány tak, jak jsou v EAD uloženy. V EAD jsou udržovány těmito státy:</p> <p>*ED - Německo *EP - Polsko *LO - Rakousko *LZ - Slovensko</p>				<p>Note: Coordinates of points written in italics and marked by *ED, *EP, *LO and *LZ are for AIP CR taken from European AIS Database (EAD). The points are published as they are stored in the EAD. In the EAD the points are maintained by the following states:</p> <p>*ED - Germany *EP - Poland *LO - Austria *LZ - Slovakia</p>			
Kódové označení Name-code designator	Souřadnice Coordinates	ATS trať nebo jiná trať ATS route or other route	Zaměření Definition	Kódové označení Name-code designator	Souřadnice Coordinates	ATS trať nebo jiná trať ATS route or other route	Zaměření Definition
1	2	3	4	1	2	3	4
ABRAX	49.69770278 15.89488333	M748, T135	ERROR: Angle type must be RDL, MAG or TRUE-88 VLM 32.26 DME VLM	ANEXO	49.86265 15.06662778	-	ERROR: Angle type must be RDL, MAG or TRUE-357 VLM 9.5 DME VLM
ABUDO	48.99652739 14.24008878	Z205, Z37	ERROR: Angle type must be RDL, MAG or TRUE-269 OKF 51.62 DME OKF	ARMOV	50.18076667 13.2807	-	ERROR: Angle type must be RDL, MAG or TRUE-75 OKG 34.5 DME OKG
ADADO	50.20948056 17.74793056	M992	ERROR: Angle type must be RDL, MAG or TRUE-29 BNO	ARNUM	50.20958611 17.10994444	M992	ERROR: Angle type must be RDL, MAG or TRUE-11 BNO

State	Name	Progress	Critical Messages	Optional Messages	Start Time	End
Valid	Required Attributes	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Valid	Non-validated Objects	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Valid	Unpublished Entries	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Valid	Non-validated Element	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Critical messages	Embedded Objects	Successfully finished	150	4	2018/05/11 10:49 AM	2018 AM
Valid	Nested Structures	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Valid	Non-validated Element	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Critical messages	Changed Layouts	Successfully finished	1	0	2018/05/11 10:49 AM	2018 AM
Valid	Changed Layers	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Valid	Changed Labels	Successfully finished	0	0	2018/05/11 10:49 AM	2018 AM
Unknown	Non-validated Element	Never Executed	0	0	2018/05/11 10:49 AM	2018 AM
Valid	Hand Amendment	Successfully finished	0	0	2018/05/11 10:50 AM	2018 AM
Valid	Objects without Chart	Successfully finished	0	0	2018/05/11 10:50 AM	2018 AM
Valid	Objects without	Successfully finished	0	0	2018/05/11 10:50 AM	2018 AM

Benefits

smartAIP and its database interface smartWebClient are sophisticated tools for AIP document management. This is accomplished by using the AIXM 5.1 repository to source the required information to create chapters and charts. By utilising a single source, the potential for data errors is eliminated.

The smartWebClient provides an easy way to manage the entire publication structure including version control. The smartAIP can be complemented by smartCharting to modernise and largely automate the whole AIP production process including aeronautical charts.

Technical specifications

Industry compliance	AIXM 5.1, ICAO Annex 15, ICAO Doc 8126, EUROCONTROL eAIP specifications, ADQ
Published formats	AIPs and eAIPs in PDF and HTML
Data document types	ICAO Annex 15 compliant AIPs, AIP amendments, AIP supplements and circulars

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