Data Product Specification
of
PANSA AIP Data Set

Version:	1.2
This version	https://www.ais.pansa.pl/en/publications/aip-data-set/
Latest version	https://www.ais.pansa.pl/en/publications/aip-data-set/
Published	2022-05-19
Language	English
Area of the data product	FIR EPWW
Topic category	Transportation
Keywords	AIP

Overview of the AIP data set

The aeronautical data of the Polish AIP data set are collected and published according to Commission Implementing Regulation (EU) 2020/469 requirements. This data set is a full data set and it contains the following aeronautical data features:

- ➢ Aerodrome data
- ➢ Airspace data
- ➢ ATS and other routes data
- ➢ Navaid data
- ➢ Other information data
- ➢ Schedule
- ➢ Geometry

History of changes to the DPS

Version	Date	Reason for change	Changed sections
1.0	2022-01-27	Creation of document	All
1.1	2022-01-27	Content changes	Point 2, point 3
1.2	2022-05-19	Content changes	Logo on the cover page

Content

1. Specification scope

Title	PANSA AIP data set
This version	https://www.ais.pansa.pl/en/publications/aip-data-set/
Latest version	NIL
Published	2022-01-27
Updated	In accordance with AIRAC cycle
Language	English
Contact	Aeronautical Information Service 02-147 Warszawa, ul. Wieżowa 8 AIS HQ: +48-22-574-5625, fax: +48-22-574-5619 AFS: EPWWYOYX, e-mail: ais.poland@pansa.pl NOTAM Office: +48-22-574-7174, fax: +48-22-574-7179 AFS: EPWWYNYX, e-mail: nof@pansa.pl http://www.ais.pansa.pl
Web location	https://ais.pansa.pl
Format	AIXM 5.1
Maintenance	The data product specification is updated regularly and reviewed at least once every year.
Terms and definitions	See Commission Implementing Regulation (EU) 2020/469.
Abbreviations	See Commission Implementing Regulation (EU) 2020/469.

2. Data product Identification

Official title	PANSA AIP Data Set
ID	EP_AIP_DS_FULL_%AIRAC_DATE%_AIRAC.xml EP_AIP_DS_ UPD_DELTA_%AIRAC_DATE%_AIRAC.xml
Abstract	The AIP data set contains the following aeronautical data features: a) ATS airspace (type, name, lateral limits, vertical limits, class of airspace); b) Special activity airspace (type, name, lateral limits, vertical limits, restriction, activation); c) Route (identifier prefix, designator, flight rules); d) Route segment (navigation specification from point to point, track, length, upper limit, lower limit, minimum en-route altitude (MEA), minimum obstacle clearance altitude (MOCA), direction of cruising level, reverse direction of cruising level); e) Waypoint - en-route (identification, location, formation); f) Aerodrome/Heliport (ICAO location indicator, name, designator IATA, served city, certified ICAO, certification date, certification expiration date, control type, field elevation, reference temperature, magnetic variation, reference point); g) Runway (designator, nominal length, nominal width, surface type, strength); h) Runway Direction (designator, true bearing, threshold, take off run available (TORA), take-off distance available (TODA),

	accelerate-stop distance available (ASDA), landing distance available (LDA));
	
	 i) FATO (designation, length, width, threshold point);
	
	 j) TLOF (designator, centre point, length, width, surface type);
	
	 k) Radio navigation aid (type, identification, name, aerodrome/heliport served, hours of operation, magnetic variation, frequency/channel, position, elevation, magnetic bearing, true bearing, zero bearing direction).
	
	 Lack of minimum objects and attributes indicated in Commission Implementing Regulation (EU) 469/2020:
	
	    Route segment (required navigation performance),
	    Runway Direction (rejected TODA (for helicopters)),
	    Waypoint en-route (reporting requirement).

Purpose	The purpose of the AIP data set is to support the transition of the ATM domain towards the use of digital data sets instead of paper products. Therefore, its scope is defined considering the likelihood that the data contained in this set is being used in digital format by service providers, ATC and instrument flight rules/visual flight rules (IFR/VFR) airspace users – according to ICAO Doc 10066 PANS-AIM.
Topic category	Transportation
Keywords	AIP, Airport, Airspace, Routes, Navaid
Spatial representation	Vector
Spatial resolution	Not applicable
Restrictions	Use limitations: For aviation use only Access restrictions: Unrestricted Usage restrictions: Unrestricted Security restrictions: Unclassified
Extent	FIR EPWW

3. Data content and structure

Narrative description	The data model for aeronautical data follows the model defined in AIXM 5.1.
Application schema	https://aixm.aero/
Feature catalogue	See point 2 (Abstract)

4. Reference system

Spatial reference system	Horizontal system: WGS-84 (EPSG: 4326) Vertical system: Kronstadt-86
Temporal reference system	Gregorian Calendar, UTC.

5. Data quality requirements

Requirement 1	Data quality element: Accuracy Data quality measure: The accuracy requirements are specified in Annex B and are based on a 95% confidence level.
Requirement 2	Data quality element: Resolution Data quality measure: The resolution requirements are specified in Annex B.

Requirement 3	Data quality element: Assurance (Integrity)
	Data quality measure: The integrity requirements are specified in Appendix B. The procedures for processing aeronautical data have been setup to meet the integrity requirements.
Requirement 4	Data quality element: Traceability
	Data quality measure: All actions applied to the aeronautical data have been recorded. The traceability records are available on request.
Requirement 5	Data quality element: Timeliness
	Data quality measure: Timeliness is assured by providing the start and end time of all aeronautical data according to the temporality concept of AIXM.
Requirement 6	Data quality element: Completeness
	Data quality measure: All features and attributes are expressed according to the AIXM model. The content of the data set was checked by visual inspection.

6. Data capture

Description	Data has been captured according capture rules Eurocontrol Specification for the Origination of Aeronautical Data.
Guide	NIL
Inclusion criteria	The data set includes all subjects and properties that are listed in PANS-AIM Chapter 5.3.3.1 "AIP Data set" plus additional data elements marked with #AIP-DS# in PANS-AIM, Appendix 2
Data acquisition and processing	Not applicable

7. Data maintenance

Description	The data set will be updated every AIRAC cycle.
	Changes between AIRAC dates will be delivered in AIXM 5.1 PERMDELTA .xml files.
Frequency	Continually
User defined	Not applicable

8. Data portrayal

Portrayal rules	Not applicable

9. Data product delivery

Format name	AIXM
Format version	5.1
Format specification	AIXM 5.1 Specification (source http://aixm.aero)
File structure	http://www.aixm.aero/schema/5.1/AIXM_Features.xsd
Language	English
Character set	UTF-8
Units of delivery	Dataset
Transfer size	Not applicable
Medium name	Not applicable
Other delivery	Not applicable

10. Metadata	
Specification	The metadata is included in the data set as described in Commission implementing regulation (EU) 2020/469 AIS.TR.340. The following metadata is provided: • name of the organisations or entities providing the data set; • the date and time when the data set was provided; • the validity of the data set; and • any limitations on the use of the data set.
Encoding	Title: ISO 19139:2007, Geographic information – Metadata – XML schema implementation Date: 2007
11. Additional information	
Additional information	Not applicable