

Promulgating Aeronautical Information

Guidelines for the publication

PROMULGATING AERONAUTICAL INFORMATION

AIM PRODUCTS

Definition (Annex 15, PANS-AIM)

- ***Aeronautical information product.*** Aeronautical data and aeronautical information provided either as digital data sets or as a standardized presentation in paper or electronic media.
- *Note.* — *Aeronautical information products are intended primarily to satisfy international requirements for the exchange of aeronautical information.*

Different AIM Products (Annex 15, PANS-AIM)

Aeronautical information products include:

- AIP
- Amdts (AIRAC or NON-AIRAC)
- Supplements
- AIC (Circulars)
- NOTAM/SNOWTAM
- Aeronautical Charts
- Data Sets (AIP)

AIP – AERONAUTICAL INFORMATION PUBLICATION

Definition (Annex 15, PANS-AIM)

- ***Aeronautical Information Publication (AIP)***. A publication issued by or with the authority of a State and containing aeronautical information of a ***lasting*** character essential to air navigation.

Specifications for AIP (PANS-AIM Section 5.2.1)

- (PANS-AIM Section 5.2) The AIP shall contain concise, current information relating to, and arranged under, the subject headings listed in **Appendix 2** of PANS-AIM. This facilitates both the locating of information under a specific heading and the storage/retrieval of the information using automated processing.

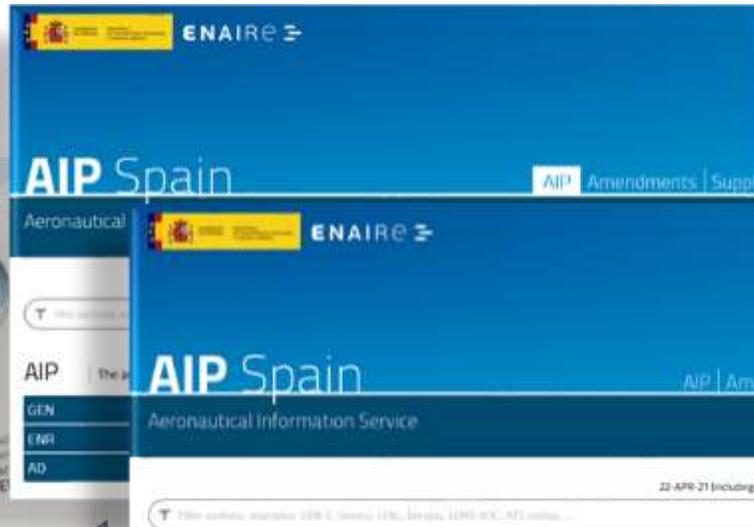
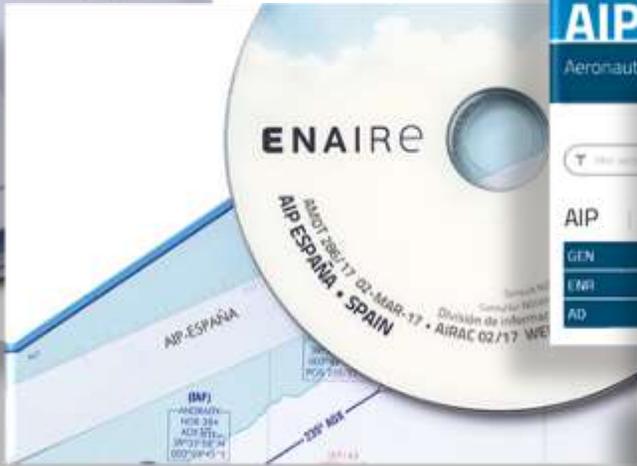
Specifications for AIP (PANS-AIM Section 5.2.1)

- An AIP shall be organized in three parts (GEN, ENR and AD), sections and subsections, except when the AIP, or a volume of the AIP, is designed to facilitate operational use in flight, in which case the precise format and arrangement may be left to the discretion of the State provided that an adequate table of contents is included.

Specifications for electronic AIP (PANS-AIM Section 5.2.4)

- When provided, the information content of the eAIP and the structure of chapters, sections and subsections shall follow the content and structure of the paper AIP. The eAIP shall include files that allow for printing a paper AIP.
- *Guidance material on the use of the Internet is contained in Guidelines on the Use of the Public Internet for Aeronautical Applications (Doc 9855) and in the EUROCONTROL specifications for the electronic AIP.*

AIP, formats



AIP AMENDMENT

Definition (Annex 15, PANS-AIM)

- *AIP Amendment. Permanent* changes to the information contained in the AIP.

Specifications for AIP Amdts (PANS-AIM Section 5.2.1.3)

- Operationally significant changes to the AIP shall be published in accordance with Aeronautical Information Regulation and Control (AIRAC) procedures and shall be clearly identified by the acronym AIRAC.
- When a State has established the regular interval or publication dates for its AIP Amendments, these intervals or publication dates shall be included in the AIP, Part 1 — General (GEN).

Specifications for AIP Amdts (PANS-AIM Section 5.2.1.3)

- Each AIP Amendment shall contain a publication date.
- Each AIRAC AIP Amendment shall contain an effective date.
- When an AIP Amendment is issued, it shall include references to the serial number of the AIP Supplement or the series and number of the NOTAM which has been incorporated into the amendment.

Specifications for AIP Amdts (PANS-AIM Section 6.1.2)

- Specifications for AI Updates, Amdts.
- When an AIP Amendment will not be published at the established interval or publication date, a NIL notification shall be originated and distributed by the NOTAM checklist.

AIP SUPPLEMENT

Definition (Annex 15, PANS-AIM)

- *AIP Supplement. Temporary* changes to the information contained in the AIP which are provided by means of special pages.

Specifications for AIP Supplements (PANS-AIM Section 5.2.1.4)

- ***AIP Supplement.** Since the AIP is subject to frequent change, provisions exist for its continual updating. In addition, changes of a temporary nature affecting the contents of an AIP are often required to cater for unexpected circumstances or, in some cases, planned modifications to a service/facility.*
- *Guidance material on the use of AIP Supplements together with examples of such use is contained in Doc 8126.*

Specifications for AIP SUP (PANS-AIM Section 6.1.3)

- Specifications for AI Updates, SUP.
- When an error occurs in an AIP Supplement or when the period of validity of an AIP Supplement is changed, a new AIP Supplement shall be published as a replacement.
- *Note 1.— The requirements for NOTAM apply when time constraints do not allow sufficient time for the distribution of an AIP Supplement.*
- *Note 2.— Guidance material on the use of AIP Supplements together with examples of such use is contained in the Aeronautical Information Services Manual (Doc 8126).*

AERONAUTICAL INFORMATION CIRCULAR (AIC)

Definition (Annex 15, PANS-AIM)

- ***Aeronautical Information Circular (AIC)***. A notice containing information that does not qualify for the origination of a NOTAM or for inclusion in the AIP, but which relates to flight safety, air navigation, technical, administrative or legislative matters.

Specifications for AIC (PANS-AIM, Section 5.2.2)

- ***Aeronautical Information Circular (AIC)***. A notice containing information that does not qualify for the origination of a NOTAM or for inclusion in the AIP, but which relates to flight safety, air navigation, technical, administrative or legislative matters.

Specifications for AIC (PANS-AIM, Section 5.2.2)

- An AIC shall be provided whenever it is desirable to promulgate:
 - a) forecasts of important changes in the air navigation procedures, services and facilities provided;
 - b) forecasts of implementation of new navigation systems;
 - c) significant information arising from aircraft accident/incident investigation which has a bearing on flight safety;
 - d) information on regulations relating to the safeguarding of international civil aviation against acts of unlawful interference;
 - e) advice on medical matters of special interest to pilots;
- (See the complete list in PANS-AIM Section 5.2.2.1)

NOTAM

Definition (Annex 15, PANS-AIM)

- **NOTAM.** A notice distributed by means of telecommunication containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations.

Specifications for NOTAM (PANS-AIM Section 5.2.5)

- *Note.— Detailed guidance material covering NOTAM, SNOWTAM, ASHTAM and pre-flight information bulletin (PIB) production is contained in Doc 8126.*
- A NOTAM containing permanent information or temporary information of long duration shall carry appropriate AIP or AIP Supplement references.

Specifications for NOTAM (PANS-AIM Section 6.1.4)

- Specifications for AI Updates, NOTAM.
- Within three months from the issuing of a permanent NOTAM, the information contained in the NOTAM shall be included in the aeronautical information products affected.
- Within three months from the issuing of a temporary NOTAM of long duration, the information contained in the NOTAM shall be included in the AIP Supplement.

Specifications for NOTAM (PANS-AIM Section 6.1.4)

- Specifications for AI Updates, NOTAM.
- When a NOTAM with estimated end of validity unexpectedly exceeds the three-month period, a replacement NOTAM shall be issued, unless the condition is expected to last for a further period of more than three months; in this case, an AIP Supplement shall be issued.
- When an AIP Amendment or an AIP Supplement is published in accordance with AIRAC procedures, a so-called “Trigger NOTAM” shall be originated giving a brief description of the contents, the effective date and time, and the reference number of the amendment or supplement.

SNOWTAM

SNOWTAM definition

A special series NOTAM given in a standard format providing a surface condition report notifying the presence or ~~removal~~ cessation of hazardous conditions due to snow, ice, slush, frost, standing water or ~~standing~~ water associated with snow, slush, ice or frost on the movement area, ~~by means of a specific format.~~

In purple the new wording compared with the old definition. Removed terms have been stroked through.

2 Scenarios (to be taken into account)

- The global reporting system and format has been designed to cover all of the world's climatic zones. As a result there are two different scenarios a state may apply:
 - No exposure to snow or ice and therefore no need to use the full GRF
 - Be fully prepared to use the GRF.



Florianópolis Airport in Brazil... issuing SNOWTAM soon?

Kuusamo Airport in Finland



DATA SETS

Specifications for Data Sets (PANS-AIM Section 5.3.3)

- *Note.— The purpose of the data sets 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.*

Specifications for Data Sets (PANS-AIM Section 5.3.3)

- ***AIP Data Set (5.3.3.1.1).***
- *Note 1.— The description of the data subjects, together with their properties, data type and applicable data quality requirements, is provided in Appendix 1.*
- *Note 2.— The AIP data set includes relevant AIP Amendments and AIP Supplements.*
- ***Obstacle Data Set (5.3.3.2)***
- ***Terrain Data Set (5.3.3.2)***
- ***Aerodrome mapping Data Set (5.3.3.4)***
- ***Instrument Procedures Data Set (5.3.3.4)***

DIGITAL DATA

Specifications for Digital Data (PANS-AIM Section 5.3)

- To facilitate and support the use of exchange of digital data sets between data providers and data users, the ISO 19100 series of standards for geographic information should be used as a reference framework.
- *Note.— Guidance material concerning the use of the ISO 19100 series of standards is contained in Doc 8126.*
- A description of available digital data sets shall be provided in the form of data product specifications on which basis air navigation users will be able to evaluate the products and determine whether they fulfil the requirements for their intended use (application).

SNOWTAM definition

A special series NOTAM given in a standard format providing a surface condition report notifying the presence or ~~removal~~ cessation of hazardous conditions due to snow, ice, slush, frost, standing water or ~~standing~~ water associated with snow, slush, ice or frost on the movement area, ~~by means of a specific format.~~

In purple the new wording compared with the old definition. Removed terms have been stroked through.

The background of the slide is a photograph of an airplane on a runway, viewed through a surface covered in numerous water droplets, likely from rain. The scene is captured during a sunset or sunrise, with a warm, golden glow on the horizon. The airplane is positioned in the middle ground, and the runway lines are visible in the foreground. The overall mood is one of gratitude and reflection.

THANK YOU!