

# Overview

This is the root "AIXM data coding" space, which provides an overview of the coding specifications provided for various aeronautical information products and services. Each specific product, such as the (ICAO) AIP Data Set, Digital NOTAM, etc. has its own space. Shared topics, such as the coding of geometrical and geographical data, coding of schedules, etc. are documented as child pages of this root space.

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## Shared Topics

### Common (basic) coding rules

These pages provide the basic data coding rules that are common to all products and services that use AIXM 5.x as coding format. This includes, for example, rules that require the mandatory provision of a unit of measurement for each numerical value, rules derived from the AIXM temporality concept, data plausibility rules, etc.

## Data Set Coding Specifications

### (ICAO) AIP Data Set

The "AIP data set" is defined in the ICAO proposal for amendment of the Annex 15, which is currently in public consultation (ICAO State Letter 2017-22). The AIP Data covers the extent of information as provided in the AIP including the core data necessary for flight planning and en-route navigation - points, nav aids, routes, airspace, airport and runway data. The PANS-AIM document contains an explicit list of the minimal subjects and properties that should be included in an AIP data set.

**Proposed** coding guidelines are available, based on the ICAO Annex 15 16<sup>th</sup> edition and the PANS-AIM, applicable since 8<sup>th</sup> November 2018.

### (ICAO) Obstacle Data Sets

Obstacle data sets for en-route (Area 1) and airport (Area 2) are already defined by the ICAO Annex 15 and no significant changes will be introduced by the revised Annex 15 and the new PANS-AIM.

High-level coding guidelines are already available through the [eTOD Manual](#) of EUROCONTROL. More detailed coding guidelines (with a similar approach as for the AIP data set) are in development and will be provided on this site in the course of 2019

### (ICAO) Instrument Flight Procedures Data Sets

The "Instrument Flight Procedure" data sets are defined in the ICAO proposal for amendment of the Annex 15, which is currently in public consultation (ICAO State Letter 2017-22). Such data sets will contain the departure, arrival and approach procedure data for airports used for international air traffic, as published in the AIP. The PANS-AIM document contains an explicit list of the minimal subjects and properties that should be included in an IFP data sets.

Proposed coding guidelines are planned to be developed in 2019. Some content will be added earlier, based on work done by a group of AIXM users who have a particular interest in this topic.

### (ICAO) Airport Mapping Data Sets

No specific coding guidelines considered necessary for the moment. Please see the [AIXM - AMDB mapping](#) document.

### Digital NOTAM

Work in progress on version 2.0, planned for finalisation by mid 2019.

Sections that are considered mature for public review are already being added and will be further maintained on this site.