# Aeronautical Data Catalogue
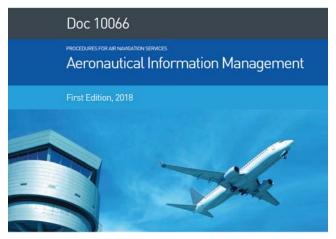
Abbas Niknejad

ICAO Regional Officer

**The Aeronautical Data Catalogue:**

- is a general description of the AIM data scope and consolidates all data that can be collected and maintained by AIS.

- provides a reference for aeronautical data origination and publication requirements.

- represents the common language for data originators and the AIS.

- includes Data element properties, sub-properties and descriptions and quality requirements (accuracy, resolution, integrity).

- provides means for States to facilitate the identification of the organizations and authorities responsible for the origination of the aeronautical data and aeronautical information.

- provides a common list of terms and facilitates the formal arrangements between data originators and the AIS.

- is found at Appendix 1 of PANS AIM.

ICAO

Doc 10066

PROCEDURES FOR AIR NAVIGATION SERVICES

Aeronautical Information Management

First Edition, 2018

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INTERNATIONAL CIVIL AVIATION ORGANIZATION

## Appendix 1

PANS-AIM -- Appendix 1 -- Table A1.1 Aerodrome.xlsx

PANS-AIM -- Appendix 1 -- Table A1.2 Airspace.xlsx

PANS-AIM -- Appendix 1 -- Table A1.3 ATS_Routes.xlsx

PANS-AIM -- Appendix 1 -- Table A1.4 IFP.xlsx

PANS-AIM -- Appendix 1 -- Table A1.5 Navaid.xlsx

PANS-AIM -- Appendix 1 -- Table A1.6 Obstacles.xlsx

PANS-AIM -- Appendix 1 -- Table A1.7 GeographicInformation.xlsx

PANS-AIM -- Appendix 1 -- Table A1.8 Terrain.xlsx

PANS-AIM -- Appendix 1 -- Table A1.9 Data type.xlsx

PANS-AIM -- Appendix 1 -- Table A1.10 Other information.xlsx

# Data Catalogue (Sample)

| | | | | ICAO | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Subject | Property | Sub-Property | Type | Description | Note | Accuracy | Integrity | Orig Type | Pub. Res. | Chart Res. |
| Runway | | | | A surface ... area on a ... aerodrome ... for the landing and movement of aircraft. (Annex 14) | | | | | | |
| | Designator | | Text | ... | | | | | | |
| | Nominal length | | Distance | The declared longitudinal extent of the runway for operational performance calculations. | | ... | ... | Surveyed | Length | ... |
| | Nominal width | | Distance | The declared transverse extent of the runway for operational performance calculations. | | ... | ... | Surveyed | Length | ... |
| | Geometry | | Polygon | Geometries of RunwayElement, RunwayDisplacedArea and RunwayIntersection | | | | | | |
| | Centre line point | | | The geographical location of runway centre line points used of the runway, at the centreline and at the end of each ... | | ... | ... | Surveyed | | |
| | | Elevation | Elevation | The elevation of the corresponding centre line point | | 0.25m | ... | Surveyed | | |
| | | Geoid undulation | Height | The geoid undulation at the corresponding centre line point | | | | | | |
| | RWY end line | | | | | | | | | |
| | | Position | | The geographical location of the runway end line | | 0.5m | ... | Surveyed | ... | ... |
| | | Designator | Text | Designator of runway end line | | | | | | |
| | | Type | Text | Type of runway end line | | | | | | |
| | | Direction | | Direction of RWY end line (one-way or two-way) | | | | | | |
| | Surface type | | Text | The surface type of the runway surface as specified in Annex 14 Volume | | | | | | |
| | Strength | | | | | | | | | |
| | | PCN | Text | Pavement classification number | | | | | | |
| | | Pavement type | Text | Pavement type for ACN-PCN determination | | | | | | |
| | | Subgrade category | Text | Subgrade strength category | | | | | | |
| | | Allowable pressure | Text | Maximum allowable tire pressure category or maximum allowable tire pressure | | | | | | |
| | | Evaluation method | Text | The evaluation method used | | | | | | |

- Basis for development of a national Data Catalogue with:
  - Responsible parties for data origination
  - Authorisation
  - National data quality requirements
  - Expand with national items

- Reference for Formal Arrangements between Originator and AIS

- Reference for product compilation

- "Shopping List" for ATM ⟹ **Increased relevance of AIM**