TopSky - AIXM
Centralized Aeronautical Information Database
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**CHARACTERISTICS**

**KEY FEATURES**
- Local or Cloud deployment
- Database initialisation possible with ARINC 424 dataset
- Central aeronautical database for all TopSky-AIM components:
  - Electronic AIP production (TopSky-eAIP)
  - NOTAM, Air Operation office and pre-flight Briefing (TopSky-AIS & TopSky-Internet Briefing)
  - Aeronautical Charts (AIP-GIS Charting®),
  - Procedure Design (GeoTITAN®),
  - ATC dataset connector TopSky-ATC
- Operational dual screens:
  - Web interface for textual data management
  - Graphical interface (GIS) for geo-referenced data visualization and edition
- Full implementation of AIXM 5.1 Business Rules: validation of full database or selected feature (highly configurable)
- Management of AIXM 5.1 temporality concept
- Advanced database consistency mechanisms, CRC and METADATA management

**INTERFACES**
- AIXM 5.1 and 5.1.1 import/export (including metadata)
- AIXM 4.5 export
- AMXM 2.0 export (AMDB)
- WFS 2.0

**SYSTEM ARCHITECTURE**
- Java EE architecture, Oracle or PostgreSQL
- Model driven architecture for easy follow-up of AIXM versions, and easy extension adding
- Graphical viewer based on market leader GIS
- Web HMI highly configurable (hiding / positioning of fields, fields required or not before commit…)

**STANDARDS COMPLIANCE**
- AIXM 5.1(.1), AIXM 4.5, WFS 2.0, ADQ, ISO19139
- AIXM 5.2 in roadmap

**VALUE-ADDED SERVICES**
- Data migration from customer proprietary or pdf format to AIXM format
- Implementation of customer specific features and business rules

**ADQ:** Aeronautical Data Quality • **AIM:** Aeronautical Information Management • **AIXM:** Aeronautical Information eXchange Model • **Aeronautical Information Network** • **EAD:** European AIS Database • **GIS:** Geographical Information System • **HMI:** Human Machine Interface • **NOTAM:** Notice To AirMen