

# Product brief: smartADQ

## Aeronautical Data Quality

The number of flights is increasing globally – while the available airspace remains the same. Because of this, navigation performance and safety demand an even higher aeronautical data quality (ADQ) than mandated by international and EU regulations, such as the commission regulation (EU) No 73/2010, which requires timely system deployment and operations for all aeronautical data, including aerodrome, obstacle and even terrain data. ADQ demands executive awareness as well as a comprehensive data management process. Frequentis has the solution to these challenges with smartADQ.

### Key features

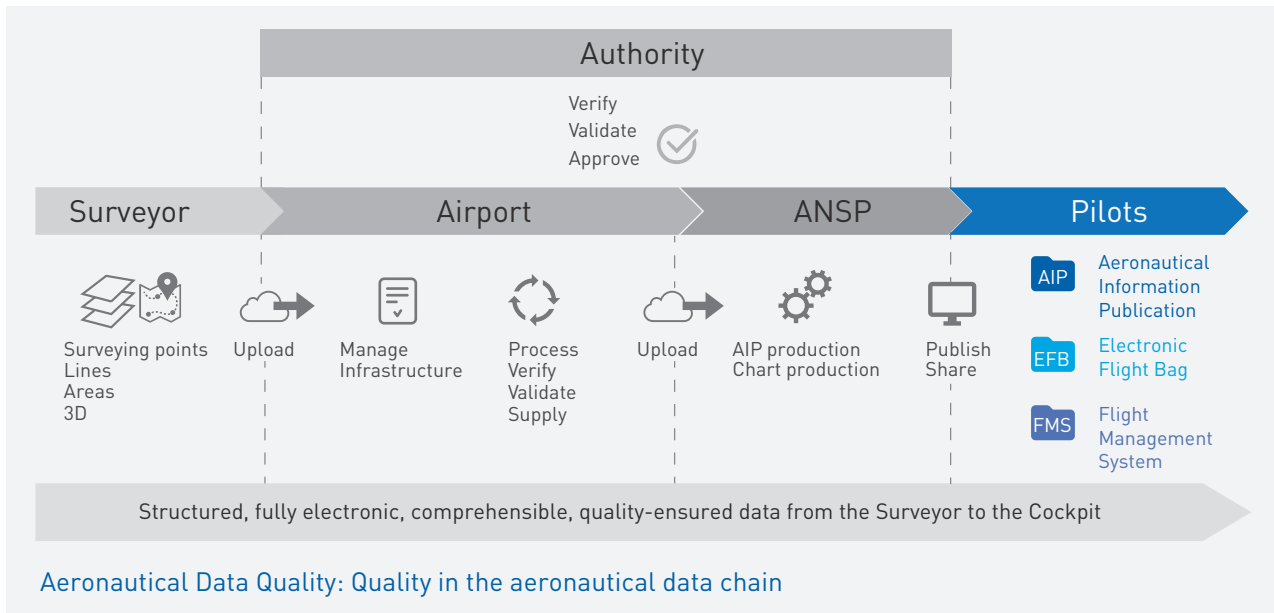
Configurable and clear workflows through the use of a professional workflow management system

- Complete electronic data chain from originator to AIP, avoiding media breaks
- GIS visualisation contributing to optical validation
- System access and user roles dependent on pre-defined responsibilities
- Regulation and user-controlled authorisation management
- Flexible extension of user groups
- Flexibility to meet local requirements, e.g. business rules or organisational structure
- Legal recording and traceability, e.g. through the use of metadata
- Reporting functions
- Web-based access to a remotely hosted server in a secure environment
- AIXM 5.1 standard / conformance with the European AIS Database (EAD)
- Interface to ANSPs and AIS organisations
- Integration of supporting tools (e.g. for web services or maps)



### smartADQ at a glance

- smartADQ provides all ADQ functionality according to EU regulations in a cost-efficient package
- Robust, long-term solution
- Data quality ensured through clear business rules and validation mechanisms
- Efficient data origination
- Efficient workflows reduce workload for the entire AIS team
- Proven AIM product portfolio from the Frequentis group



## Benefits

Frequentis’s smartADQ is a professional workflow and data quality management system connecting all intended users in your airport and even beyond your organisation. With smartADQ you provide a fully digital aeronautical data chain and high service quality to your stakeholders.

smartADQ conforms fully with the industry standards and the rules laid down by the regulators when it comes to traceability, legal recording, and interoperable communications with ANSPs and AIS organisations via AIXM. A highly configurable provisioning process, flexible extensions and the customisable reporting

functions of smartADQ help you meet the local requirements superimposed by your specific environment. Run smartADQ on your premises, or leverage the benefits of a hosted service delivered by the experts operating the European Aeronautical Database (EAD). Either way, all your internal and external users access a secured, web-based service eliminating the need to install any dedicated software.

smartADQ — simplified data origination in a robust, long-term solution to ensure your data quality meets the international requirements of an ever-growing aeronautical community.

## Technical specifications

Coordination	ANSP, Airports, CAA, NSA, your data originators, other regulators
Data Acquisition Process	Annex 15, AIXM, AMDB, Metadata
Storage & Maintenance	4D, Features and Objects, Legacy data, Metadata, other data
Approval Procedures	Internal, Authorities, Content
Communication	Infrastructure, Encryption, Authentication/Authorisation, Interfaces
Based On COTS Products	Comsoft CADAS AIMDB, Frequentis smartAIM-WFM, Safe Software FME Desktop and Server, OpenLayers