

Product brief: smartWFM

Efficient workflow management

In order for Aeronautical Information Management (AIM) to be flexible, ensure data quality assurance and not increase processing times, a higher level of workflow management is required. This can be solved by consolidating aeronautical information with a higher level of traceability, while boosting data and process quality. International regulations require stakeholders to establish an end-to-end electronic audit trail and a higher grade of automation. smartWFM helps to address these topics as a tailored and easy to integrate system for business process workflow management and orchestration software.

Flexible process management and integration tool

smartWFM features a workflow engine allowing organisations to design and configure individual business processes, acting roles and permissions.

Users are able to enforce their own business processes and monitor interactions between the various stakeholders along the workflow.

Configurable input masks allow for the tracing of decisions and collection of process relevant metadata.

Software is capable of managing manual user tasks as well as automated system steps and integration calls. Automated options aide in the creation of a more data driven process chain with minimum human interaction.

Key Features

- Extensive history trail suitable to monitor data and user interactions along the digital data chain
- Extensively used as an AIS Data Management process orchestration tool between Data Originators and AIS Units
- Quality management tool as suggested by ICAO PANS-AIM
- Decision and task management support on supervisor level
- Support for greater automation and integration throughout the data chain of organisations



smartWFM at a glance

- API as orchestration layer for tasks along the digital data chain
- Built-in report designer for workflow tasks and metadata
- Seamless quality monitoring and management reporting
- Full history trail enables complete data-traceability and transparency in accordance with ADQ requirements
- Flexible configuration to mirror individual customer processes

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Benefits

Configurable workflow engine

The software can be setup to mirror a customer’s individual business process chain with user- as well as automated tasks.

Permission management

smartWFM allows for a granular permission management to control access rights on a task, role and organisational level.

Configurable Input and Task Forms

Supporting user’s individual creation of task actions and collection of supporting data.

Powerful API

Easy integration to other system components to orchestrate manual or automated tasks.

Reporting

Integrated generator to create reports on work flow related queries. These reports can be saved as templates and may be triggered automatically upon users choice.

Technical specifications

Industry standards	Process Definition Language: BPMN, WDL Document Management System useable regardless of file type - smartWFM can supply any filetype to a API (e.g. AIXM 5.1, CSV, DVOF, CAD, etc.)
Compatibility	Windows, Linux, Mac DB: Oracle, MS-SQL, Derby, Postgres, Firebird Browser: MS Internet Explorer 8 or higher, Firefox, Chrome, Safari
Interoperability with other Frequentis products	AIXM 5.1 databases – CADAS, smartDM smartIMO, smartETOD, AIMDB, NOTAM/Briefing systems: CADAS-IMS, INO-DP (smartCharting & smartAIP)

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