

# Air Traffic Services (ATS) for aeronautical offices, airlines and pilots



## CADAS-ATS for messaging and flight planning:

- Integrated AMHS User Agent supports both basic and extended level of service
- AFTN compatibility
- Certified internet-access security
- Syntactic and semantic message check
- Powerful retrieve-filter
- SOAP and AMQP interfaces for operational integration with SWIM infrastructures
- Optimised for use with our message handling solution AIDA-NG

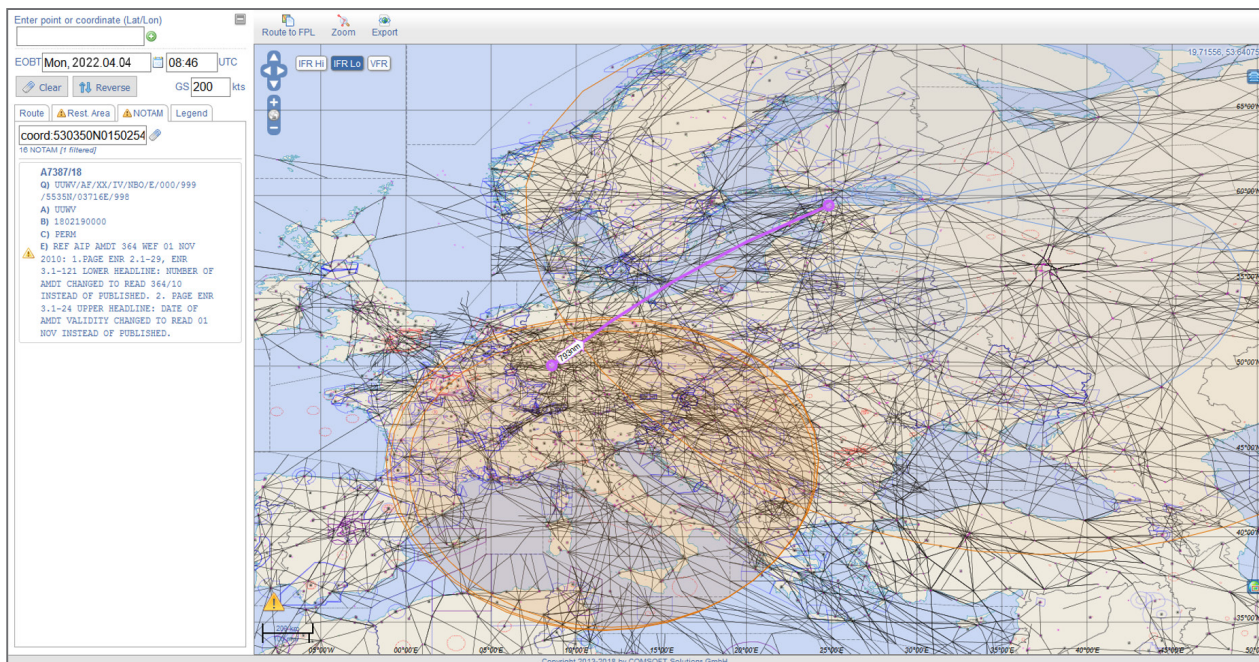
Verified and exact data about each and every flight is crucial to safe air traffic management. A prerequisite for this is the continuous and secure flow of aeronautical messages.

CADAS-ATS provides messaging services and flight planning capabilities for aeronautical offices, airlines and pilots. With its features for automated flight data exchange the system contributes to reducing coordination failures and human errors.

CADAS-ATS combines AFTN messaging services with the messaging capabilities of X.400/AMHS. AFTN and AMHS can be operated side by side on a single terminal. This eliminates the need for additional AFTN messaging hardware and the complex duplication of traffic databases (AFTN and AMHS). Both, basic and extended ATS Message Handling Services as defined in ICAO DOC 9880, second edition, are supported.

The web-based CADAS-ATS Pilot Portal enables visual route planning, filing of flight plan proposals, and home briefing via the internet. Operators benefit from sophisticated flight planning capabilities including an active flight database showing the current status of all relevant flights and a flight plan proposal mechanism.

It offers secure access to ATS over the internet for nationwide services. The system has been validated by independent IT security consultants and has been rated as not vulnerable to any known security breaches or threats.



Pilot view: Visual flight planning

## Terminal applications

CADAS-ATS provides a comprehensive set of terminal applications for aeronautical offices, airlines and pilots. Automated software distribution from a central repository keeps all terminals updated and patched.

All terminals provide an easy-to-use interface with various assistive features designed to ease the workflow of operators and pilots.

- **Centre Terminal**  
Full scope of ATS functions for ATC controllers, tower, ARO and airlines comprising management of ATS messages (FPL + associated, IFPS, ATFM, NOTAM, METEO, free text), active flight database, AUP/UUP management (via NM B2B).
- **ATS Terminal**  
Management of ATS messages (associated, NOTAM, METEO, free text).

- **Flight Strip Printing Terminal**  
Automatic generation, update and printing of flight strips. Numerous printers can be assigned for auto printing on each terminal.
- **Administration Terminal**  
Supervision, control and configuration of the entire system.

## Pilot Portal

In addition to the terminal applications targeting at professional operators, CADAS-ATS provides the web-based Pilot Portal targeting internet users like pilots or airlines. The Pilot Portal allows for visual flight planning, flight plan proposal filing, and home briefing.

## SWIM integration

SOAP (Simple Object Access Protocol) and AMQP (Advanced Message Queuing Protocol) interfaces in accordance with ICAO Manual on SWIM Concept (Doc 10039) are available to provide a bridge for data exchange with future SWIM services.