

## CADAS-ATS

### COMSOFT'S AERONAUTICAL DATA ACCESS SYSTEM – AIR TRAFFIC SERVICES

#### HIGHLIGHTS

- FPL-Management
- Integrated AMHS User Agent with support for basic & extended level of service
- AFTN compatibility
- New FPL Format 2012
- Certified internet-access security
- Syntactic and semantic message check
- Powerful retrieve-filter
- SOAP interface

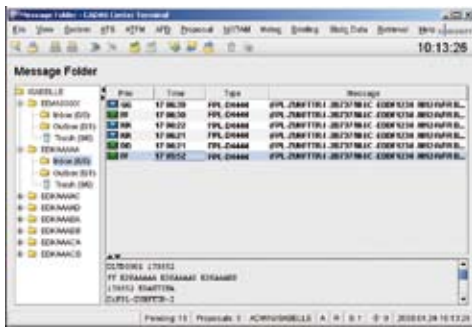
# COMSOFT

# INTRODUCTION

CADAS-ATS (COMSOFT's Aeronautical Data Access System - Air Traffic Services) is an advanced and well-proven terminal solution, providing messaging services for aeronautical offices, airlines and pilots. It allows operating AFTN and AMHS in parallel by using a single integrated messaging application.

CADAS-ATS eliminates the need of additional AFTN messaging hardware and the elaborate duplication of traffic databases (AFTN and AMHS). On a single terminal application operators can simultaneously run AFTN and AMHS as well as operationally use both services' full set of functionality.

CADAS-ATS is a sophisticated AMHS User Agent application that combines AFTN messaging services with the messaging capabilities of X.400/AMHS. The User Agent reliably supports both the Basic and the Extended ATS Message Handling Services as defined by the technical specifications contained in ICAO Doc 9880.



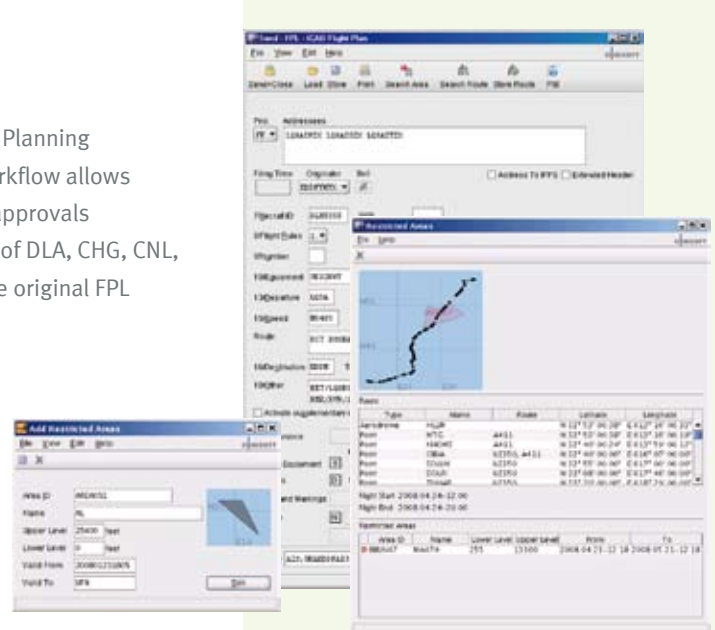
CADAS Terminal

The upcoming change in the core of flight plan processing regarding amendment 1 to the Procedures for Air Navigation Services - Air Traffic Management, Fifteenth Edition (PANS-ATM, Doc 4444) is already implemented in CADAS-ATS, so that the new FPL format and related messages are correctly processed.

# FEATURES

## FPL-MANAGEMENT

- Automated input, processing, distribution and presentation of flight plan data
- Compliant with ICAO standards
- Active flight database monitor for arrival, departure and overflight
- Ideally suited for ATS reporting offices (ARO) and aircraft operators (AO)
- Preferential Routes and Restricted Areas
- Repetitive Flight Planning
- FPL proposal workflow allows centralized FPL approvals
- Easy origination of DLA, CHG, CNL, and DEP from the original FPL



FPL-Management: FPL & Restricted Areas



## AFTN/AMHS USER AGENT

- Address book facility\*
- Sending, reception, and display of binary body parts (attachments)\*
- ICAO message input forms
- Syntactic and semantic field checks
- Free text messages
- Access and use of ATN Directory Services and local address book\*

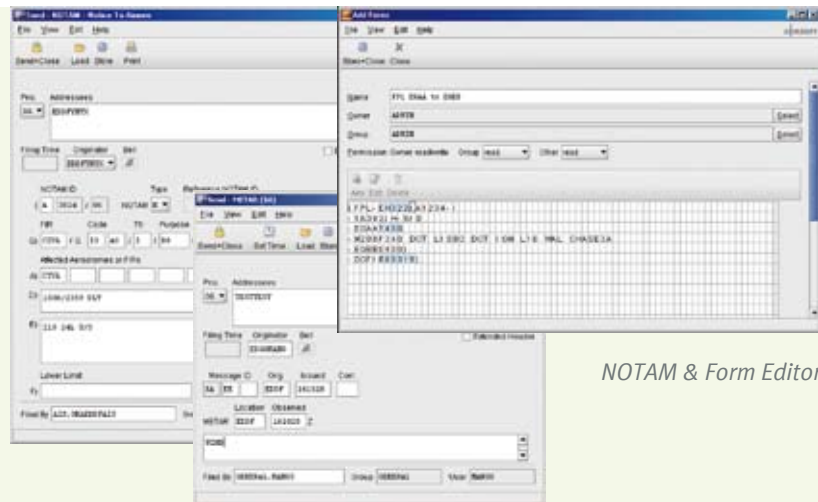
\* AMHS only



AMHS UA: Addressing

## INPUT FORMS

- Standard formats for FPL, NOTAM and MET
- Assisting search functions
- Syntactic and semantic field checks to prevent generation of erroneous or incomplete messages
- Storage and reloading of messages as templates
- Form editor for customer-defined message forms



NOTAM & Form Editor

## TECHNOLOGY

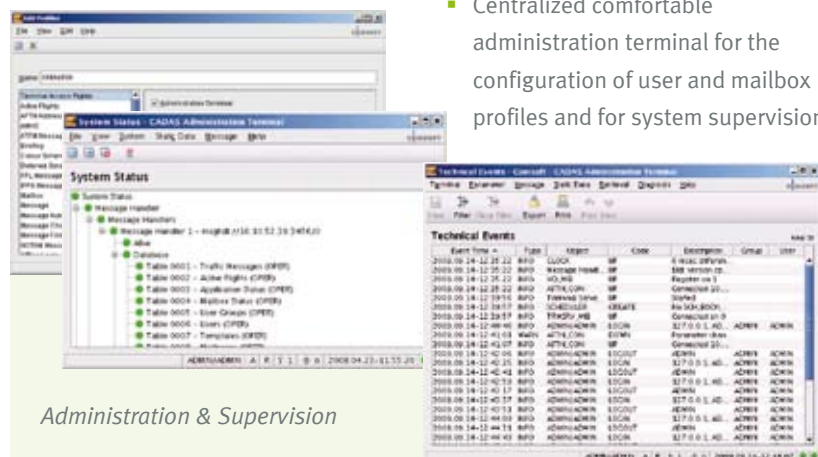
- Client-server architecture
- Consists of clustered LINUX servers and COTS PCs
- Redundancy without any single point of failure
- Standard Windows- and LINUX-COTS PC usable as CADAS client terminal
- Terminal/server connection via TCP/IP-based LANs, WANs, or the Internet
- Online database replication
- SOAP interface
- CFMU (B2B) web service interface

## INTERNET-ACCESS SECURITY

- Elaborate firewall-secured architecture
- Intrusion prevention system (IPS)
- Stringent password check
- Pass phrase
- Idle timer
- Local cache clearance
- Account locking on attempts of unauthorized access
- Disclaimer
- Reverse proxy between terminal server and clients

## FSP - FLIGHT STRIP PRINTING

- Inbound, outbound and overflight information
- Paper strip printing



Administration & Supervision

## FURTHER HIGHLIGHTS

- Parallel access of more than 1500 user accounts
- EAD interface for sending NOTAM proposals to the EAD system
- Automated FPL exchange with IFPS
- Centralized comfortable administration terminal for the configuration of user and mailbox profiles and for system supervision



Your Contact:  
Manfred Schmid  
Wachhausstr. 5a  
76227 Karlsruhe  
Germany

Tel.: +49-721-9497-0  
Fax: +49-721-9497-119  
E-Mail: [info@comsoft.aero](mailto:info@comsoft.aero)  
Internet: [www.comsoft.aero](http://www.comsoft.aero)

**COMSOFT**