AVITECH – WEB-BASED AERONAUTICAL INFORMATION SERVICES

Flight planning made easier

- Supports the planning, creation and filing of flight plans anywhere
- Ensures ICAO compliant flight plans and pre-flight briefings
- Reduces the workload of pilots and the Aerodrome Reporting Offices
- User-friendly template management for regularly operated flights, aircrafts and routes
- Seamless addressing and distribution of flight plans to MHS network
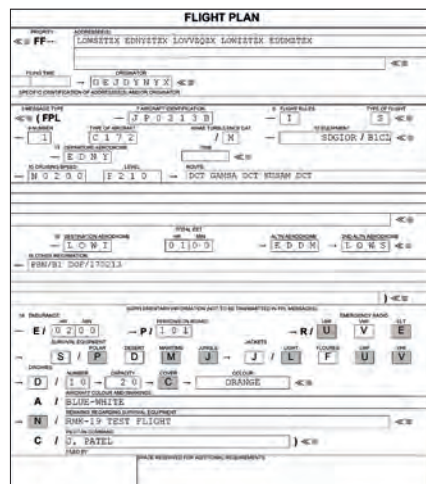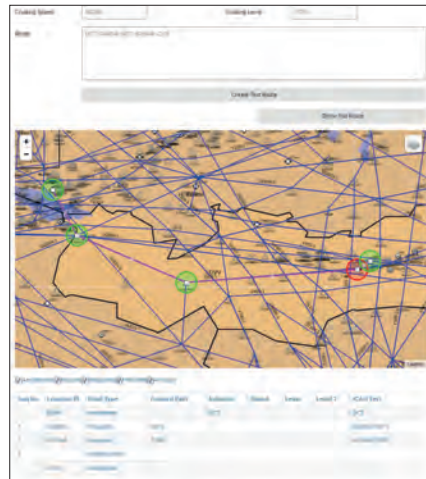
Introduction

Designed for pilots and flight plan dispatchers, Avitech Web-Based Aeronautical Information Services (AIS) makes it easier than ever to swiftly create flight plans. Seamless generation of pre-flight briefings (PIBs) featuring weather forecasts, charts, current NOTAMs and much more – all in a beautifully designed desktop experience accessible through your web browser.

Explore the visual creation of flight plans enhanced with geospatial data like waypoints, airways, aerodromes and other relevant data.

Features

- Flight Planning
- Flight Message Approval Workflow
- Template Management for flights, aircrafts and routes
- Pre-Flight Information Bulletin
- Authentication/Authorization

Detailed Product Description

Flight Planning

Avitech WEB AIS supports the creation and submission of flight plans based on an ICAO compliant model. All fields are enabled for auto-completion, validation and, where needed, support from the underlying Avitech Central Aeronautical Database. Routes can be created and modified visually by overlaying a GIS system that visualizes static data directly from the aeronautical database; routes can also be entered in the traditional textual form and can be graphically visualized at any point. Flight Plan Templates can be created and stored on a per user basis for subsequent reuse. Previously submitted flight plans can be checked for status and if necessary, edited and re-submitted to avoid subsequent rejection.

Registered Avitech WEB AIS users stay informed about changes made to their flight plans, such as ATS message approval, either via SMS Text-Message to the mobile phone world-wide or by e-mail to a registered e-mail account. Such notification selections are made available to the users during creation* of their flight plans.

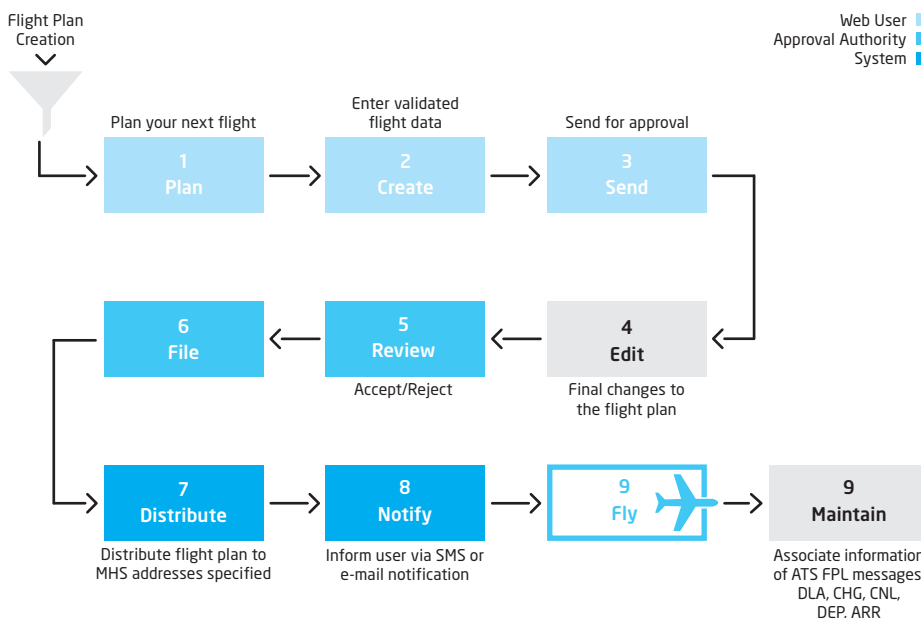## Template Management for flights, aircrafts and routes

The capability to create and edit aircraft profiles including codes and assistance for flight plan creation serves to relieve the user from unnecessary time consuming tasks. For all pilots and flight plan dispatchers dealing with recurring flight plans, the Avitech WEB AIS provides the ability to store and reuse FPLs, reducing to a minimum the workload required to create/file a flight plan. Profiles are automatically synchronized with mobile devices such as smart phones and tablets.

Flight Message Approval Workflow

The aim of Air Navigation Service Providers (ANSPs) and their flight data processing systems is to provide optimised and efficient air navigation services in order to guarantee the safe transport of passengers and cargo throughout their airspaces. Avitech WEB AIS solution works in conjunction with Avitech Central Aeronautical Database, in order to provide all the needed tools to map this use case.

Regulations demand that all Air Traffic Services (ATS) messages created by WEB AIS users must be reviewed and either approved or rejected by the approval authority (e.g. ARO) before they are distributed via an Aeronautical Telecommunication Network.

Workflow Flight Message Approval

*Note: The system is configurable to also allow organisations the direct filing of the flight plan
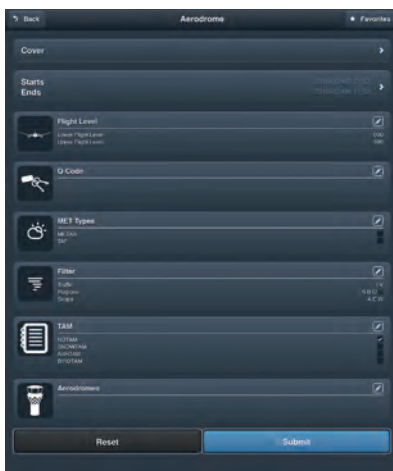
Detailed Product Description

Avitech WEB AIS users are constantly notified about the status of their filed ATS messages, reducing the expenses and time required to create/file and distribute electronic flight plans.

Pre-Flight Information Bulletin

A Pre-Flight Information Bulletin (PIB) represents all up-to-date information of operational significance prior to the flight, like NOTAM, METAR/ TAF and Charts. A PIB is made available either online as HTML or offline as PDF document for posterior reading and printing. The Avitech WEB AIS solution produces several different types of PIBs:

- Aerodrome Briefing
  Contains information on facilities, services and procedures related to aerodromes and their vicinity.

- Normal Route Briefing
  In addition to an Aerodrome Briefing, information related to FIRs is also included.

- Narrow Route Briefing
  Contains information only pertaining to a narrow path defined by route description, flight level, width of the path and radius around aerodromes.

- Special Area Briefing
  Contains information related to Flight Information Regions (FIRs) and aerodromes situated in selected FIRs. A Special Area Briefing can be restricted to a special area defined by a combination of restricted airspaces, circles with centre point and radius, and polygons within the FIRs selected.

Detailed Product Description

Authentication/Authorization

Authentication is the mechanism used to verify the identity of the web application users. The Avitech WEB AIS solution typically assigns a user name and password to a user or allows visitors to anonymously access public content of the web application (e.g. news, documentation). It is possible to set up an approval workflow for the user registration (easily carried out by the user himself by simply providing required data such as e-mail address, name and pilot license number). New user accounts need to be approved by an administrator prior to use.

Besides utilizing means of authentication to confirm the identity of a user, the Avitech WEB AIS additionally uses customisable authorization to control user access to the different areas and features of the web application. User access control privileges are either based on individual permissions (e.g. to create a flight plan), or based on roles defined by an administrator in order to ease the configuration of users and access rights.
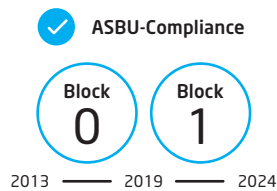
Conformance Statement

All features provided strictly adhere to the ICAO rules of Air Navigation Services outlined in the following ICAO Documents: Doc 4444, Amendment 1, Annex 15 (Aeronautical Information Services) and Doc 8126.

Compliance

The Avitech WEB AIS solution is fully aligned with the current and upcoming ICAO Aviation System Block Upgrades (ASBUs): Compliance with Block 0 & Block 1.

✓ **ASBU-Compliance**

Block 0   **Block 1**

2013 —— 2019 —— 2024

www.avitech.aero

Avitech GmbH
Bahnhofplatz 3
88045 Friedrichshafen / Germany
Phone: +49 (0) 7541 282-0
Fax: +49 (0) 7541 282-199
marketing@avitech.aero

Avitech s.r.o.
Prievozská 4
821 09 Bratislava / Slovakia
Phone: +421 (0) 2 55 64 28 01
Fax: +421 (0) 2 55 64 28 03

Avitech GmbH
Strahlenberger Weg 6
60599 Frankfurt a. M. / Germany
Phone: +49 (0) 69 60 60 98 94
Fax: +49 (0) 69 89 99 03 01

Avitech GmbH
Rudolf-Diesel-Straße 1 A
78467 Konstanz / Germany