



Future-proof communications with air traffic control (ATC) organizations

For day-to-day flight operations, airlines, airports and ground handlers need to exchange messages with air navigation service providers (ANSPs). With SITA, you can simplify exchanges, whether you use the Aeronautical Fixed Telecommunication Network (AFTN) or ATS Messaging Handling System (AMHS).

BACKGROUND

Complex messaging infrastructure

Airlines flying to multiple countries need to exchange flight information with several ATC organizations, using different technologies and protocols.

Airlines, airports and ground handlers are looking for a simplified solution to exchange data with ANSPs globally.

High service availability needed

The business-critical nature of message exchange requires a service with very high availability.

Expensive service and complicated pricing structure

It takes a major investment to create the infrastructure to directly connect with several ANSPs. Customers want a cost-effective service with a simple pricing structure.

SOLUTION

ANSPs are moving to AMHS. This is in line with the International Civil Aviation Organization (ICAO) standards and its recommendations to overcome the limitations of the AFTN.

SITA's ATC Messaging Service is a global, future-proof solution. It automatically makes all necessary conversions to adapt to the end point protocols and provide a reliable and global delivery.

It accesses the ATC Messaging Service Gateway using:

- SITATEX and Type B or
- SITATEX Online and Type X (for XML aeronautical messages)

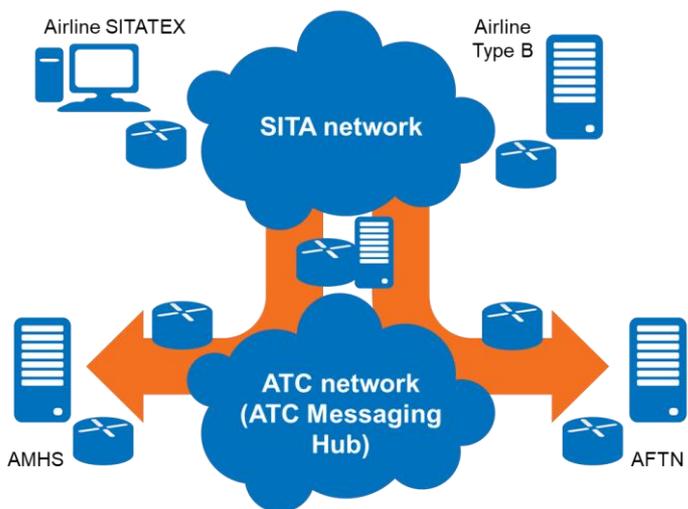
BENEFITS

- Customers do not need to know about ATC protocols and their evolution. The ATC Messaging Service automatically adapts to the end points.
- A single connection to SITA's ATC Messaging Service enables global communication with the full ANSP community
- Very limited upfront investment
- Attractive and simple pricing structure

RESULTS

Access to
2,400+
SITA
Community
Messaging
members

How does it work?



SOLUTION COMPONENTS

1. Community Messaging connect once, reach all model
2. Access to the ATC Messaging Service is available through:
 - Type B connection
 - SITATEX
 - SITATEX Online
 - Type X connection
3. Message conversion between various standards to enable seamless information exchange
4. Protocol adaptation to promote interoperability between airlines and ATC organizations

CASE STUDY

A large French carrier needed to exchange NOTAMs* and flight plans with several ATC organizations to support its flight operations.

Using SITATEX IP and ATC Messaging Service, flight operations messages are exchanged with a large number of ANSPs.

Messages are generated 24/7 for:

- Airline operational staff
- Paris Orly Airport ground handlers
- Aviation administrations

The SITATEX graphical user interface (GUI) can also be customized to fit the specific messaging requirements of the flight operations dispatch department.

*NOTAMs are messages filed with an aviation authority. They alert pilots of potential hazards along a flight route or at a location that could affect the safety of the flight.