USE CASE

# ATC MESSAGING SERVICE

## FUTURE-PROOF COMMUNICATIONS WITH AIR TRAFFIC CONTROL (ATC) ORGANIZATIONS

Airlines, airports and ground handlers need to exchange messages with air navigation service providers (ANSPs) for day-to- day flight operations. ATC Messaging Service enables them to significantly simplify exchanges with a large community of ANSPs, whether they use the Aeronautical Fixed Telecommunication Network (AFTN) or ATS Messaging Handling System (AMHS).

### ISSUES

**Complex messaging infrastructure**
Airlines fly to several countries and need to exchange flight information with several ATC organizations using different technologies and protocols for their messaging service. 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**
Major investment is necessary to create the infrastructure to enable direct connections with several ANSPs. Customers have a preference for a simple pricing structure.

### SOLUTION

In line with the International Civil Aviation Organization (ICAO) standards and its recommendations to overcome the limitations of the AFTN and expand beyond rich data exchange, the ANSPs are moving to AMHS.

The use of SITATEX, Type B or SITATEX Online, Type X (for XML aeronautical messages) to access to the ATC Messaging Service gateway ensures a global, future-proof messaging solution which automatically makes all necessary conversions to adapt to the end point protocols to ensure a reliable and global delivery.

### BENEFITS

Customers do not need to know about ATC protocols and their evolution. The ATC Messaging Service automatically adapts to the end points.

One single connection to SITA's ATC Messaging Service enables global communication with the full ANSPs community.

The service requires a very limited upfront investment and has an attractive and simple pricing structure.

**2,400+**
**SITA messaging community companies**

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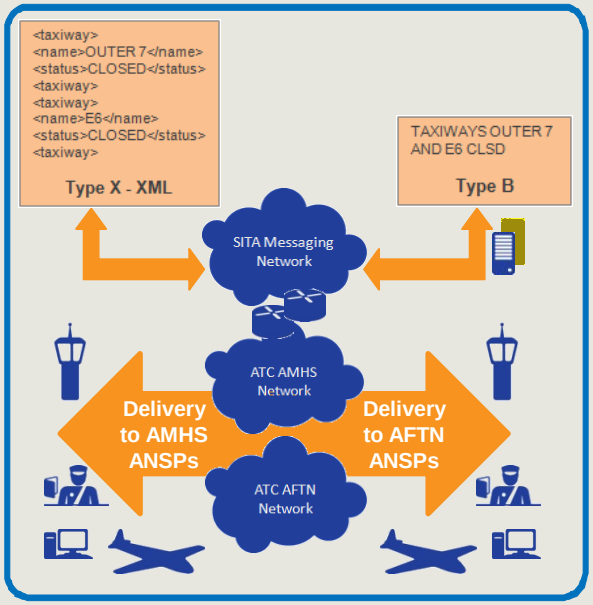
## HOW DOES IT WORK?




## SOLUTION COMPONENTS

**1. Type B Messaging Service**
SITA will be the airline's primary Type B messaging service provider for traffic that is generated by several airline and airport systems, including flight operations-related systems.

**2. SITATEX IP**
SITATEX IP is an operational messaging system that has been designed specifically for the air transport industry (ATI).

**3. Type X Distribution Service and SITATEX Online**
A fully managed messaging service that provides a single access point to exchange XML data with the largest community of air transport industry companies. It enables new XML-based applications to exchange XML files with the entire SITA messaging community, including ATC organizations.

**4. ATC Messaging Service**
To subscribe to the ATC Messaging Service, a list of ICAO AFTN addresses registered with the local ATC organization is required.

## CASE STUDY

A large French carrier needed to exchange NOTAMs (messages filed with an aviation authority to alert aircraft pilots of potential hazards along a flight route or at a location that could affect the safety of the flight) and flight plans with several ATC organizations to support its flight operations.

By using SITATEX IP and subscribing to the ATC Messaging Service, the flight operations messages are exchanged with a large number of ANSPs.

Messages required by the airline's operational staff, the Paris Orly Airport ground handlers and aviation administrations are generated 24/7.

The SITATEX graphical user interface (GUI) allows for customization to fit the specific messaging requirements of the flight operations dispatch department.

For more information please contact us at
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