

COMMUNITY MESSAGING SOLUTIONS FOR AIRPORT OPERATIONS

ALLOCATE RESOURCES EFFICIENTLY. BILL CUSTOMERS CORRECTLY.
INFORM PASSENGERS IN A TIMELY MANNER.

Airports and ground handlers require operational information from airlines and other business partners in order to collaborate effectively. Accurate and easy to integrate data such as scheduled and actual flight times, passenger and load details, as well as flight delay information and a variety of other flight and passenger handling data are key.

ISSUES

Irregular data delivery & isolated applications

Operational data from airlines and handling partners is not received in a timely manner. Isolated tools process select data for dedicated use only.

Labor intensive

Manual data processing practices are labor- and cost-intensive.

Inconsistent & erroneous data

When messages and operational data are received in non-standard formats, the processing becomes cumbersome and accuracy is put at risk.

Delay in data collection and processing

When operational data is not available in real time, airport resources, services and information updates to passengers are often delayed.

SOLUTION

Aviation Operational Statistics (AOS) Data Transformation is a managed off-the-shelf solution that provides airports and ground handlers with an easy way to receive operational data from airlines.

Operational messages sent by airlines in standard Type B format are transformed by SITA and delivered to the receiver in a tagged XML format.

By doing so, operational data becomes easy to access and to integrate, and allows a seamless collaboration between airports, ground handlers and airlines.

Simply concentrate on the information received. Don't worry about managing the complexity of receiving data from an un-harmonized ecosystem.

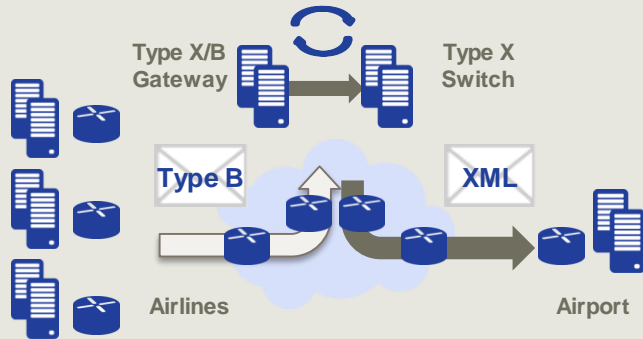
BENEFITS

- Process operational data in real time
- Save time and labor
- Accelerated data processing means quicker billing
- Avoid isolated Type B interpretation
- Improved data quality
- More data insight
- Fully managed Type B message transformation and delivery in a tagged XML through a single platform
- Easy implementation and roll-out.
- No changes necessary for Type B message senders
- Exchange operational messages with any air transport industry partner in a cost-effective manner

75%

of airports will embrace
business intelligence
for airport operations
by 2016

HOW DOES IT WORK?



- Airlines send operational messages in a Type B format as recommended and specified by IATA
- SITA centrally transforms the messages into a tagged XML structure
- The XML messages now include a dedicated label (tag) for every data element
- Airports receive the transformed XML messages into a message queue via the middleware of their choice (IBM MQ or SITA TaXi middleware)
- The operational data can now be easily integrated into the airport's IT environment in real time
- The airport can assign their resources, facilities and services based on accurate and timely operational information from the originating source

SOLUTION COMPONENTS

Community Messaging services and features to support airport operations

Type X Connection

- Can be optionally over the Internet; or over a private IP-VPN path and can be integrated into the customer's IT environment
- Or via IBM WebSphere MQ; or SITA TaXi middleware

Transformation Services

- Managed service that transforms operational messages from Type B into tagged XML structure.
- The following message types can be selected:

Message Type	Message
MVT/MVA	Movement
LDM	Loadmessage
PTM	Passenger Transfer Message
SSM	Standard Schedule Message
ASM	Adhoc Schedule Message
CPM	Container/Pallet Distribution Message
ALI	Abbreviated Load Information
SLS	Statistical Load Summary
FFM	Airline Flight Manifest

SITATEX Online (Optional)

- SITATEX Online is the web based version of SITATEX, the leading operational mail platform dedicated to the air transport industry.
- With SITATEX Online, airports can provide an operational mail interface to partners who do not have this capability, and enable them to send the messages in the required industry formats.

CASE STUDY

Airports receive various operational messages including information such as:

- Scheduled/estimated/actual times of operation
- Delay codes and times
- Terminal Pax
- Transit Pax
- Transfer Pax per destination
- Load details of local cargo
- Load details of transfer cargo per destination
- Aircraft type and registration
- Aircraft operator

Relevant data is identified and fed into the Airport Operational Database (AODB) and used for :

- Allocating the airport's resources
- Building accurate billing
- Creating traffic statistics
- Displaying accurate flight information to passengers
- Providing increased collaboration with customers and handling partners

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