

## TYPE X DISTRIBUTION SERVICE

Receiving WorldTracer baggage data in XML format in a Type X message

Airlines need access to the WorldTracer Baggage Information Repository (BIR) which contains baggage tracing and management data in XML format for all bags that have missed their outbound flight.

### ISSUES

An airline using the WorldTracer Baggage Information Repository (BIR) had updated its local Baggage Information System in order to support XML standards.

To fully benefit from its XML migration, and also in order to manipulate/process the data with its local application in real time, the airline now needed to get BIR data from WorldTracer in XML format with real-time transfer.

Service availability is critical for real-time applications in the management of baggage handling.

### SOLUTION

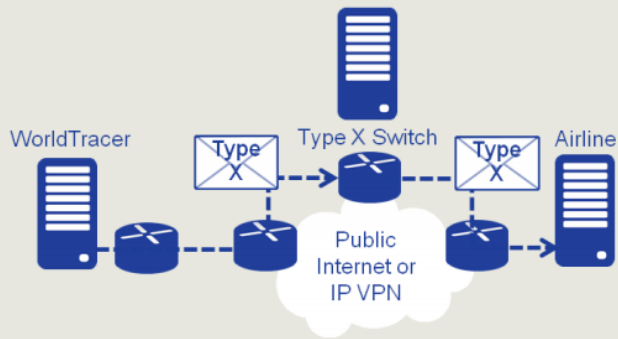
In order to address the need for real-time BIR data transfer from WorldTracer, SITA has incorporated WorldTracer into its messaging infrastructure by including a Type X connection. Once the airline is also linked to the SITA Community Messaging infrastructure with a Type X connection, BIR data is sent in XML format in a Type X message directly to the airline's Type X Address.

### BENEFITS – Arial Bold/12pt/Blue/Caps

- Real-time data transfer in XML format
- 99.92% service availability to support business continuity
- One single Type X connection to connect to the entire SITA messaging community (2,400+ companies in the air transport industry)
- Very limited upfront investment
- An attractive price per message, so as to avoid a cost increase as a result of the larger size of Type X messages
- Able to deliver a strong ROI through aggregation of use and value optimization

**99.92%**  
service availability

## HOW DOES IT WORK?



### SOLUTION COMPONENTS

#### 1. WorldTracer

Formatted BIR data is distributed by WorldTracer in XML format. Data is sent via the Type X Distribution Service.

#### 2. Type X Distribution Service

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. The service is backward compatible with legacy applications, thus allowing unilateral adoption of XML technologies.

The service is also based on air transport-specific community messaging practices and attributes (group coding, open-bucket, storage, reliability, delivery priorities) with enhanced security (service authentication, encryption, non-repudiation, data integrity)

#### 3. SITA DataConnect

SITA DataConnect is a standalone software package that enables an application to send and receive Type X messages through a Type X connection to the SITA messaging infrastructure. It is an alternative to IBM MQ.

### CASE STUDY

A leading European airline company receives Type X message copies in real-time containing information for all bags that have failed to make their outbound flight. These are called 'Advise if hold - baggage missing' messages.

A leading North American airline company receives the following Type X messages:

- Notification of forwarding mishandled baggage
- 'Advise if hold – baggage missing'
- 'On hand – baggage found'
- 'Forward on hand baggage' and 12 other baggage-related message types

For more information please contact us at [info@sita.aero](mailto:info@sita.aero)