



### Reliable and secure XML data exchange across the ATI

SITA Type X Distribution Service removes the barriers to XML adoption, giving you all the benefits of a community-managed, future-proof data exchange service. Send and receive Type X messages without having to manage the compatibility with other messaging protocols and formats, such as Type B.

#### BACKGROUND

##### Refreshing an existing application

You need to ensure that you can continue to successfully exchange data with your partners. Your updated XML-based application needs to be compatible with those who can only read Type B.

##### Installing a new application

Any new application will likely be written in modern XML format, – but it may rely on data only available in a Type B format. You need something that can interact with different messaging protocols to get the required data.

##### New communities of data are large and diverse

You need a solution that works for a community of thousands of members, each with different skills, IT maturity and IT environments.

#### SOLUTION

SITA Type X Distribution Service is a managed messaging service that handles the complexity of XML adoption.

Features include:

- Based on XML technology, but with backward compatibility to Type B
- Rich content (attachments) and unlimited message size
- Compliant with IATA Type X standard
- Single connection communicates with the entire messaging community
- Message-based pricing
- Scalable, adaptable and flexible

#### BENEFITS

- Real time data transfer in XML format
- 99.92% service availability supports business continuity
- A single Type X connection gives customers access to the entire SITA messaging community (2,400+ companies)
- Limited upfront investment
- Simple per-message price and unlimited message size – no extra costs from large content-rich attachments
- Increases ROI by providing a single source of messaging data without having to use multiple vendors

#### RESULTS

Access to

**2,400+**  
members of SITA's  
messaging community

**99.92%**  
service availability

## How does it work?

### SOLUTION COMPONENTS

#### 1. SITA Type X Distribution Service

A fully-managed messaging service based on community messaging practices and attributes specific to air transport. These include group coding, open-bucket, storage, reliability and delivery priorities.

SITA Type X Distribution Service offers these with enhanced security, including: service authentication, encryption, non-repudiation and data integrity.

#### 2. Data transformation

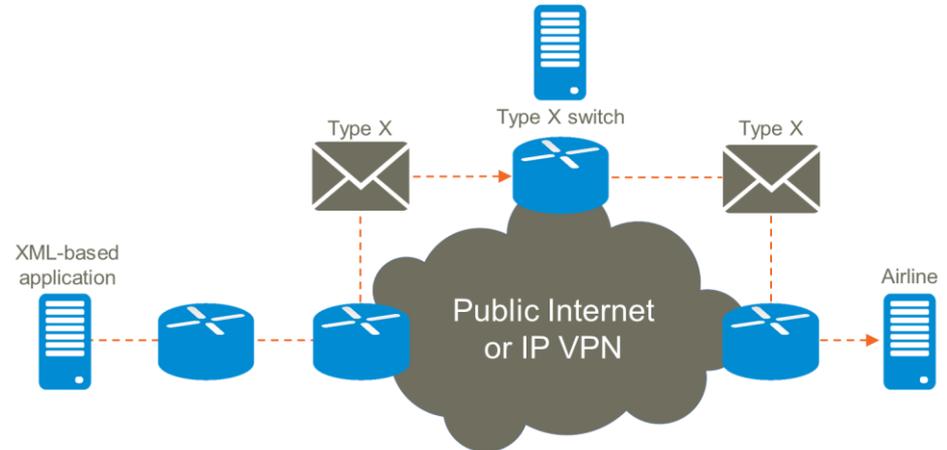
There are four optional data transformation services:

- Airport Operational Statistics (AOS)
- Passengers with Reduced Mobility (PRM)
- Advance Passenger Information (API) System
- Spec 2000

These allow industry players to receive operational data from their partners in a format that's easy to integrate into their back-end systems.

#### 3. SITA Data Connect

SITA Data Connect is a standalone middleware package. It 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's MQ product.



### CASE STUDY

An airline using SITA's WorldTracer® baggage information repository (BIR) updated its local baggage information system to support XML standards.

To process the data with their local application, they needed to get BIR data from WorldTracer® in XML format with real-time transfer.

SITA incorporated WorldTracer® into the airline's messaging infrastructure by including a Type X connection. Once the airline linked up, BIR data could be sent directly to its Type X address in a Type X message format.

This resulted in real-time data transfer in XML format, with 99.92% service availability supporting business continuity.