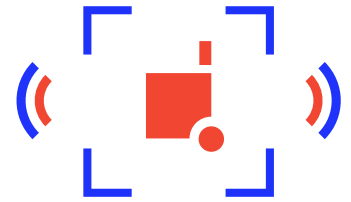# The 2 essentials for
BAGGAGE TRACKING

RFID Technology

Uses radio-frequency electro-magnetic fields to transfer data and automatically identify and track baggage tags. This technology enables many bags to be identified and tracked without the need for human intervention

Improved End to End Tracking

Increasing bag tracking leads to a reduction in mishandled bags and efficiency gains in baggage operations. Initial deployments have shown a reduction in mishandled baggage of 25%

Improved Aircraft Loading and Off-Loading

Baggage can be loaded and offloaded faster, which leads to fewer delayed flights. RFID also leads to higher automation, proactive care and therefore a reduction in manual operations

Easing Adoption of Resolution 753

Deployment and operational costs linked with the addition of new tracking points are reduced. Additionally, the deployment cost is significantly reduced with RFID compared with traditional barcode scanners

Improved data consistency

The current baggage barcode does not contain any error correction capability, and thus the reading of data can be inconsistent. Adopting RFID will result in read rates of over 99% without human intervention

XML baggage messaging standards

Baggage mishandling is often caused or linked to baggage message failures or rejections. Implementing a standardized messaging language and processes will make these communications accessible and intelligible for all relevant stakeholders

Improved Data Content

The amount of data content that can be communicated is increased

Reduced Complexity

The number of different message formats is significantly reduced creating a drastically simpler way of determining what the message means and what action is required

Improved Security

Current messaging lacks data security, modern standards provide encryption and signature of data exchange to ensure the security and authenticity of the information

Reduced Cost of Manual Handling

Improvements to the timely communication of baggage data to all affected parties will reduce the cost of manually resolving issues, by preventing those issues from occurring

Reduced cost of messaging

Todays messaging is based on teletype messages, which incur a considerable cost. Our modern baggage messaging standards can be used over the internet without these per message charges

IATA