### The 2 essentials for BAGGAGE TRACKING

<table>
<thead>
<tr>
<th>RFID Technology</th>
<th>XML baggage messaging standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses radio-frequency electromagnetic 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.</td>
<td>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.</td>
</tr>
</tbody>
</table>

#### 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.

#### 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

- Today’s 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.