



# Baggage Tracking for Airlines & Airports

Operational Efficiencies Gained with RFRain

## BENEFITS

- ✓ Reduce bag mishandling costs
- ✓ Increase passenger satisfaction
- ✓ Comply with IATA R753

Mishandled luggage is costing the global airline industry more than \$2.3 billion per year. RFRain Baggage Tracking is a comprehensive and cost-effective RFID solution using RFRain Smart Readers to effectively locate and track bags throughout its journey at various baggage handling checkpoints.

RFRain Baggage Tracking hardware and software will reduce costs associated with lost or misplaced luggage, enhance the efficiency of the baggage handling process, optimize flight operations and enable airlines to be IATA R753 compliant by January 2020.

# END-TO-END BAGGAGE VISIBILITY WITH RFRAIN

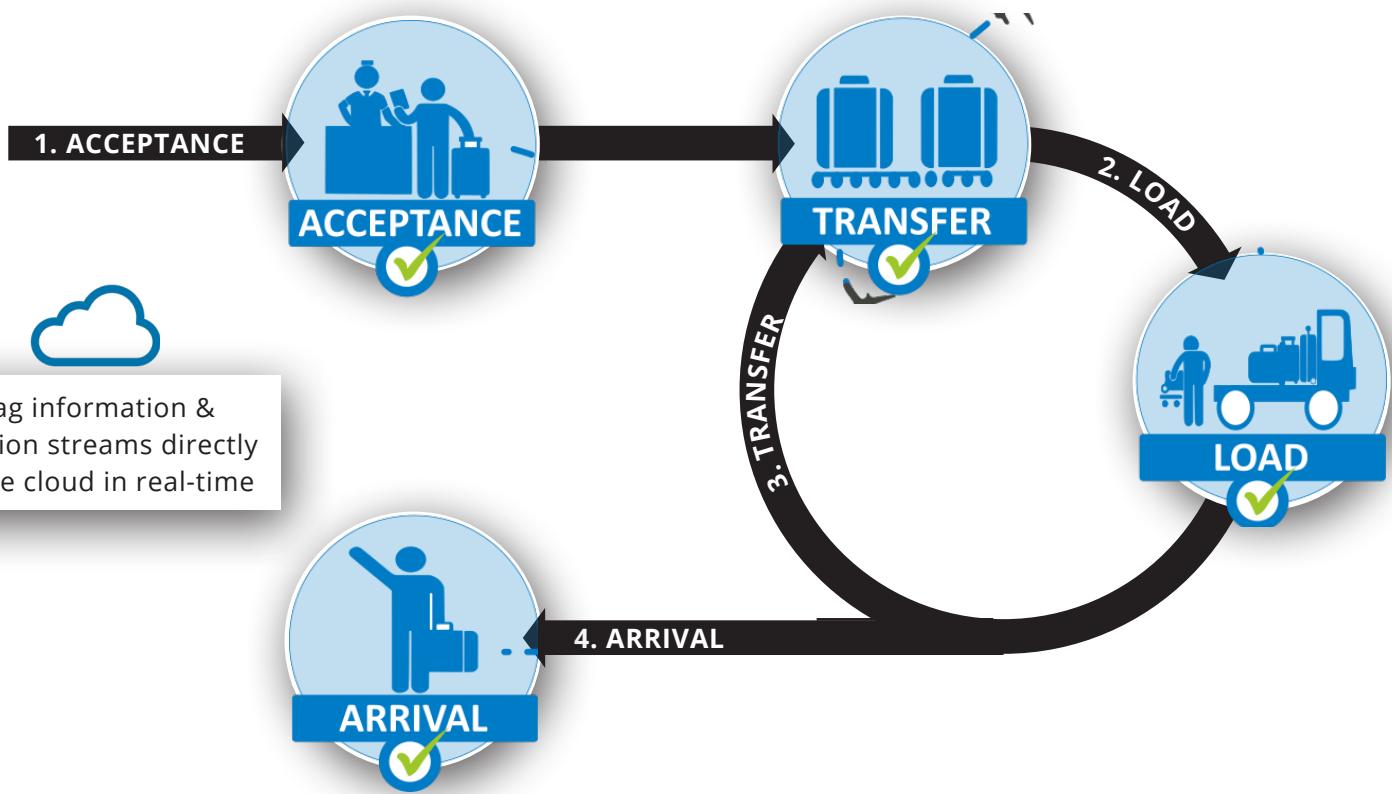
The IATA Resolution 753 requires the four-fold tracking of the individual pieces of baggage at check-in<sup>1</sup>, when being loaded into the aircraft<sup>2</sup> at the departure airport, when being unloaded from the aircraft<sup>3</sup> at the destination airport and when being fed into the baggage-transfer traffic<sup>4</sup>.

## How it works

RFR-RAIN-4-SMART or RFR-RAIN-4-SMART-ADV readers and antennas are strategically positioned at critical points along the baggage journey. RFID-embedded bag labels are scanned first by RFR-RAIN-4-SMART readers at the baggage drop-off following in the BHS and finally at the claim area. The RFR-RAIN-4-SMART-ADV readers are suited for outdoor use on the tarmac, scanning bags loading on and off the aircraft.

## RFRain Baggage Tracking software

Unlike other readers in the market, our Smart Readers come with pre-installed RFID software and provide real-time data access to the luggage information. The RFR-ZM Zone Manager provides full reporting capabilities and data portability using Rest API and the JSON protocol, and integrates seamlessly with the airline's existing baggage management systems.



# RFRAIN BAGGAGE TRACKING HARDWARE

RFRain Smart Readers help maximize visibility at every baggage process checkpoint in airports in real-time.

## **RFRain RFR-RAIN-4-SMART**

The RFRain RFR-RAIN-4-SMART reader is a high-performance RFID reader optimized for fast and accurate reading of baggage tags and able to scan an entire flight's worth of luggage at once, even while the tags are moving. It can be used to identify tagged luggage in the Baggage Handling System (BHS) and baggage claim area. It increases read rates in the BHS which leads to higher baggage handling productivity. Overall, it will increase the efficiency of the baggage handling processes significantly and lower operational costs.



## RRAIN RFR-RAIN-4-SMART-ADV

The RFRain RFR-RAIN-4-SMART-ADV reader is an innovative, mobile RFID reader designed for transportation and outdoor use. Easy to install and rugged build, it is the perfect solution for baggage processing on the belt loader. RFR-RAIN-4-SMART-ADV provides automatic scanning and checking the accuracy of bags loading or unloading from the aircraft. The RFR-RAIN-4-SMART-ADV connects to the airline's BMS system and collected data is automatically and instantly uploaded to the Zone Manager via WIFI or cellular connection.



**For more information visit [www.rfrain.com](http://www.rfrain.com) or call 1.833.273.7246**  
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