Abstract

Airport check-in uses service counters at airports handling commercial air travel. The check-in is normally handled by an airline itself by a handling agent working on behalf of an airline. Passengers usually hand over any baggage that they do not wish or are not allowed to carry-on to the aircraft's cabin and receive a boarding pass before they can proceed to board their aircraft. The airline check-in's main function, however, is to accept luggage that is to go in the aircraft's cargo. The arriving passengers claim checked-in baggage after disembarking from an airline flight at Baggage Claim Carousels and the airline agents does the unreliable handmade inspection of luggage tags, which inevitably cause that losing and misdeeming luggage. In this paper we propose a QR Code Screening Mechanism which is based on linking and data restoration functionality of QR Code to enhance the reliability.

References

- "QR Code features". Denso-Wave. 3 October 2011.
EGIS 1.0: QR Code Screening Mechanism to Prevent Airline Luggage Loss

- "Barcode Contents". zxing – A rough guide to standard encoding of information in barcodes. 17 February 2009.

**Index Terms**

Computer Science

Pattern Recognition

**Keywords**

QR Code  Luggage Inspection System  Baggage carousel  Baggage claim  EGIS 1.0

Lost luggage

Baggage claim

Misdirected luggage

Baggage Handling System

Applications of QR Code