

# Passenger & Baggage Verification System (PBVS)

By Lew Yung Sing  
Director of Corporate  
Software Services





Reputation

Financial  
losses

HOW?



**Kasim Raja flies with sister's passport**

From Birmingham (UK) to Islamabad (Pakistan)



**Nigerian American, Noibi flies with expired boarding pass**

- 1) From New York to LA.
- 2) From LA to Atlanta

## Self Check-in

- E-Ticket
- Baggage Drop
- E-Boarding Pass

## Concern #1

- Valid Passport & boarding pass?

**Ticket  
Issuance**

**Check-in**

**Authorization  
to proceed**

**Baggage  
processing**

**Immigration**

## Concern #2

- Has all baggage been loaded to the right flight?

## Concern #3

- Missing baggage?
- Missing passenger?

## Concern #4

- How to unload quickly?

**Security  
Control**

**Baggage  
Loading**

**Boarding**

**Passenger /  
Baggage  
Reconciliation**

**Baggage  
Unloading**



Reputation loss



Law suit



Catastrophe



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## Flight delays cost \$32.9 billion, passengers foot half the bill

By [Ann Brody Guy](#), College of Natural Resources | October 18, 2010

BERKELEY — The cost of domestic flight delays puts a \$32.9 billion dent into the U.S. economy, and about half that cost is borne by airline passengers, according to a new study led by researchers at the University of California, Berkeley.

The research was commissioned by the Federal Aviation Administration (FAA), and the final report was delivered to the agency today (Monday, Oct. 18).

The comprehensive new study analyzed data from 2007 to calculate the economic impact of flight delays on airlines and passengers, the cost of lost demand, and the collective impact of these costs on the U.S. economy. The study authors found that increased delays directly correlate with increased costs.

### Direct cost of air transportation delay in 2007

#### Cost Component

Costs to Airlines  
Costs to Passengers  
Costs from Lost Demand  
Total Direct Cost  
Impact on GDP  
Total Cost

Cost  
(in billions)  
\$8.3  
\$16.7  
\$3.9  
\$28.9  
\$4.0  
\$32.9

Security

Efficiency

Transnational  
Criminal

Terrorism

Border Security

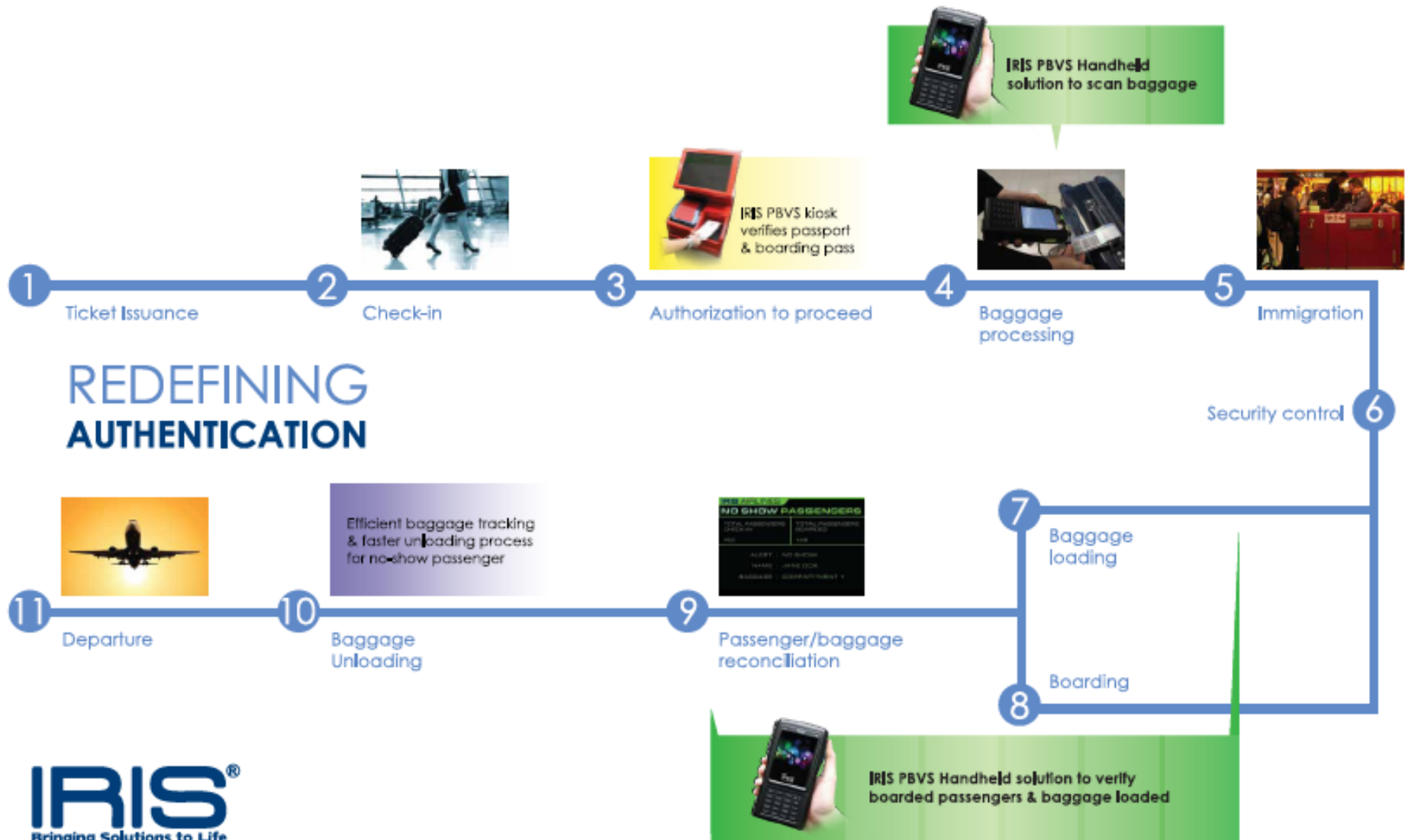
Travel Security

Flight Delay

Fake Tickets

Lost of baggage





# Benefits of PBVS

- Minimize Flights Delay

- Enhance Security

Efficient baggage unloading

Automatic verification of boarding pass and passport

Real time passenger verification & accounting

Accurate reporting of passenger manifest

- Improve Productivity & Efficiency

- Avoid fine & penalty by destination countries



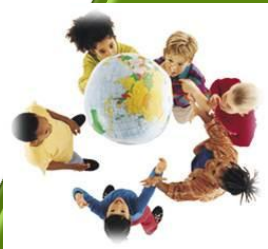




Tight **integration** of Identity Management and Passenger Management System



Solid experience in **mobile handheld** and **biometric devices** technologies



Global presence.  
Deep insights gained through close **collaboration** with clients.





**Smart Cards /  
Inlay  
Manufacturing**



**Smart Cards  
Personalization**



**Business  
Processes**



**Software  
Solutions**



**System  
Integration**



**Technical  
Support**

## Boy aged 11 who sneaked on board flight to Rome had never been on a plane before

LIAM CORCORAN flew to Rome on his own - but he never had a passport and didn't have a ticket, boarding card or a penny in his pocket.

