API and PNR: IATA's Experience

ICAO Regional Facilitation Seminar

9 Sept 2014 – Lima, Peru

Where it all began . . . .

↗ DFW Airport, July 1988

↗ US Immigration, US Customs, US Dept of Agriculture and representatives of 5 US-based airlines

↗ The idea: some "voluntary" data before arrival to allow streaming of passengers found to be of no interest.

↗ First flights: NRT-LAX/SFO/HNL, Summer 1990

Beginning to expand

↗ 1991: 4 Airlines providing data to US

↗ 1994: 25 Airlines covering about 35% of arrivals into US

↗ 1995: Australia introduces interactive API with its APP application

↗ However, no agreed standards in the early days

Expansion – 2000 through late 2013

As process grows, so does complexity

↗ Data transmission now mandatory

↗ Data element requirements expanded

↗ Inbound, outbound and transit requirements

↗ Too often not aligned with standards

↗ An example of complexity in just one country

REQUIREMENTS IN EARLY 2000

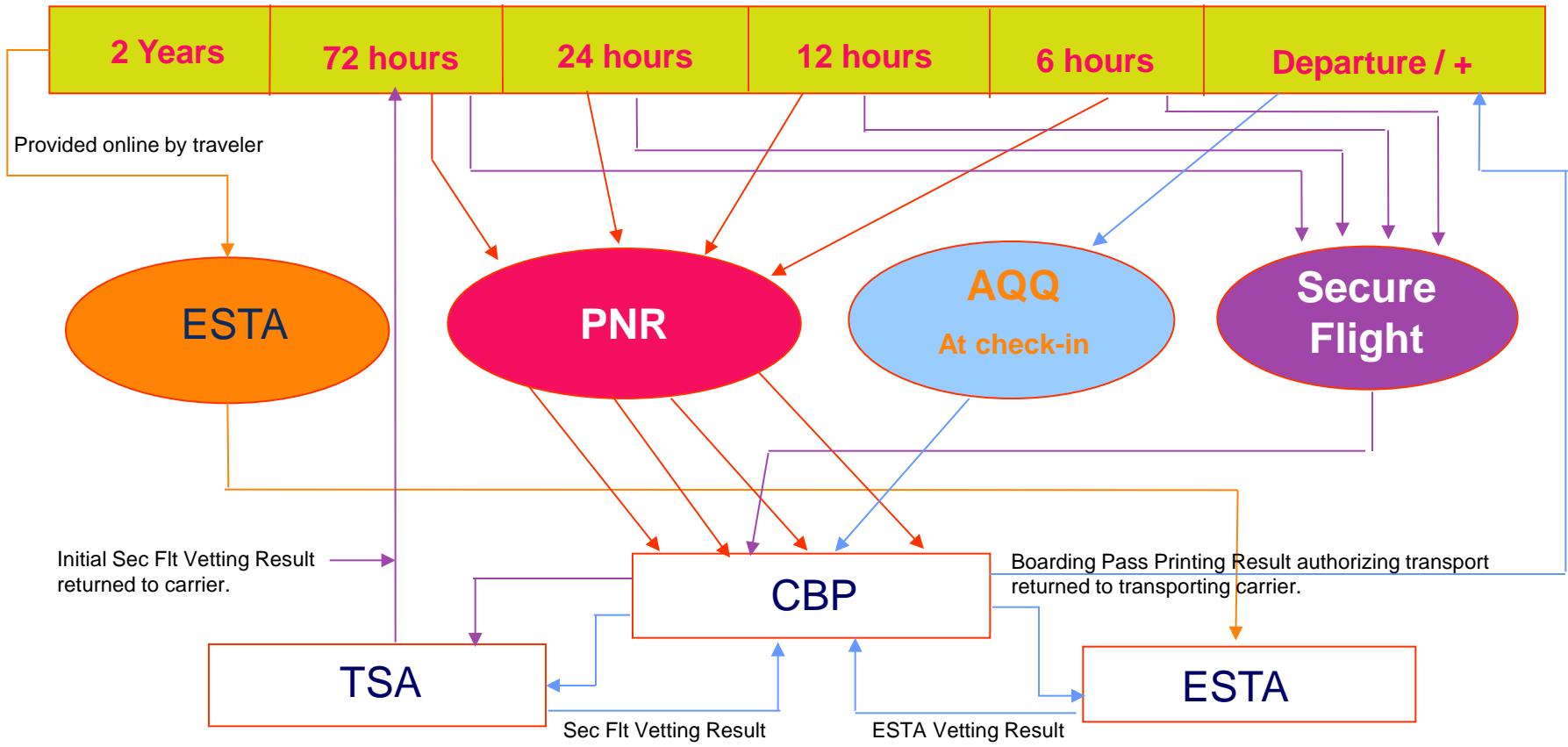REQUIREMENTS TODAY

as of September 2013

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↗ An example of complexity in just one country

Airlines as Data Source

2 Years	72 hours	24 hours	12 hours	6 hours	Departure / +

Provided online by traveler

ESTA

PNR

AQQ
At check-in

Secure Flight

Initial Sec Flt Vetting Result returned to carrier.

Boarding Pass Printing Result authorizing transport returned to transporting carrier.

CBP

TSA

ESTA

Sec Flt Vetting Result

ESTA Vetting Result

Department of Homeland Security

PNR contains full name, date of birth, gender and potentially other biographic data. Push or Pull via host-to-host connection.

AQQ and **Secure Flight** contain full name, date of birth, gender and potentially other biographic data UN/EDIFACT message formats

Secure Flight Passenger Data (SFPD) required at –72 hours and then with any substantive change in available data up to departure

ESTA contains full name, date of birth, gender and a significant amount of other biographic data via online registration process.

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IATA's Role

↗ With WCO, created API Guidelines and UN-EDIFACT PAXLST message standard: 1993

↗ Updated API Guidelines with WCO and ICAO in 2003)

↗ Assisted ICAO and 8 States in developing PNR Guidelines in 2005 (Now Doc 9944)

↗ Work with States and airlines in bringing new programs online in harmonized way

WCO API-PNR Contact Committee

↗ WCO, ICAO, IATA and States meet annually to review standards for API, iAPI and PNR

↗ Agree / adopt new message structures as required to maintain global alignment

↗ Next session: Oct 10/11 in Brussels

ICAO Partnership

↗ IATA is an official Observer to ICAO's Facilitation Panel

↗ Has participated in all 7 previous Panel sessions

↗ Brings industry's perspectives to the States' discussions, and submits Working Papers that have resulted in many new Annex 9 SARPs

Partnership with States

↗ Goal is to ensure development of aligned systems that meet State's need

↗ Awareness of industry system capabilities and restrictions

↗ Always based on global standards

↗ In the region, Brazil and introduction of API and PNR after 6 years of work

IATA's Goal

↗ To support realistic implementation of data exchange as a Facilitation tool

↗ Systems based on standards and targeted to enhance facilitation for legitimate travelers

↗ Ensure effective and efficient use of advance data to support wider range of airport and clearance activities

↗ More to come !

Gracias !

Thank You !

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