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INTERNATIONAL CIVIL AVIATION ORGANIZATION

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RECONNECTINGTHEWORLD

What is Passenger Data?

An Introduction to API and PNR Data

—

Christopher Hornek, ICAO Facilitation (FAL)
Subject Matter Expert

chornek@icao.int

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What is Passenger Data?

Overview of presentation

- Advance Passenger Information (API)
  - Basics
  - Batch vs. Interactive
  - Data Elements

- Passenger Name Record (PNR) Data
  - Basics
  - Data Elements
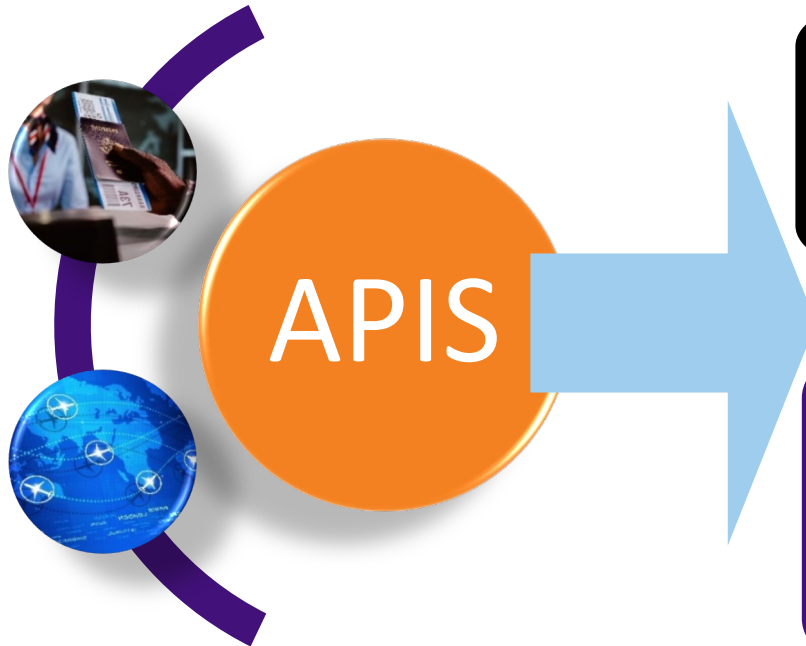
- Passenger Data Single Window

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What is Advance Passenger Information (API)?

- API consists of biographical data about passengers, plus information concerning the flight involved that is transmitted to a border agency in a PAXLST message before, or as the aircraft departs.

- The data is generated during airline check-in by the Departure Control System (DCS).

- API may apply to arriving and departing flights, and in some cases for overflight.

- In some cases, the same data is also required for flight crew members, but in a separate message.

Description of an API System (APIS)

→ Capturing passport information **prior to departure**;

Complemented with flight data;
Potentially also routing data

APIS

Transmitted

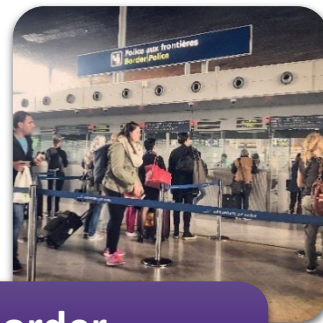**Electronic PAXLST message to border control agencies in advance;**

Processed for:

- **Border integrity;**
- **Facilitation;**
- **Watchlisting.**

Batch API Transmission

Aircraft operators

- Collect and transmit <u>all passports and other check-in</u> data as a Batch message.

PAXLST →

Border agencies

- <u>Receive</u>

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- Simpler and cheaper form of API to implement.

- All passenger details are transmitted as a single data file, or "batch".

- Batch API is designed originally for the control of arriving passengers by the destination or transit country.

- Data is usually transmitted upon closure of the flight boarding process, government intervention is limited to the time of arrival.

- Data quality validation is limited, no-real time correction can be requested.

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Interactive API Transmission

PAXLST

Aircraft operators

- **Collect and transmit each passport per check-in transaction**

CUSRES

YES **?** NO

Border agencies

- **Receive**
- **Respond**

Interactive API

- More complex and costly form of API to implement.

- Passenger details are transmitted in real-time on a per passenger/passenger group basis as check-in is taking place, government intervention is immediate (response message).

- Receiving State must determine if any issues are preventing the passenger from entering the destination country, leaving the origin country or boarding an aircraft.

- Enhances aviation security and reduces the number of inadmissible passengers.

API Data Elements (API Guidelines)
PAXLST Message

1. Data relating to the Flight (Header Data);

2. Data relating to each individual passenger (Item Data)

   a. Core Data Elements as may be found in the MRZ of the Official Travel Document.

   b. Additional data as available in Airline systems.

   c. Additional data not normally found in Airline systems and which must be collected by, or on behalf of the Airline.

API Data Elements (API Guidelines)
PAXLST Message

Data relating to each individual passenger (Item Data)
Additional data _as available_ in Airline systems.

1. Seating Information (Specific seat assignment – not reserved seat)
2. Baggage Information
3. Traveller's Status (Passenger, In-Transit, Crew)
4. Place/Port of Original Embarkation (foreign port where travel started)
5. Place/Port of Clearance (where traveller is cleared by immigreation)
6. Place/Port of Onward Foreign Destination (in case of transit)
7. Passenger Name Record (PNR) Locator Number
8. Unique Identifier (only in interactive API)

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API Data Elements (API Guidelines)
PAXLST Message

Data relating to each individual passenger (Item Data)
Additional data *not normally found* in Airlines systems

1. Visa Number
2. Issue Date of the Visa
3. Place of Issuance of the Visa
4. Other Document Number Used for Travel
5. Type of Other Document Used for Travel
6. Passenger Contact Information (telephone numbers, emergency contact, email, primary residence, destination address)
7. Place of birth

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What is Passenger Name Record (PNR) data?

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What is PNR data?

- Consists of reservation data recorded by airline and/or other commercial reservation systems for each journey booked by or on behalf of any passenger.

- PNR data are used by airlines for their own commercial and operational purposes.

- PNR data provide a mechanism for all the different parties within the aviation industry (including travel agents, aircraft operators and handling agents at airports) to recognise each passenger in a common format and to access all relevant information related to the passenger's journey, i.e. (connecting) flights and special service requests.
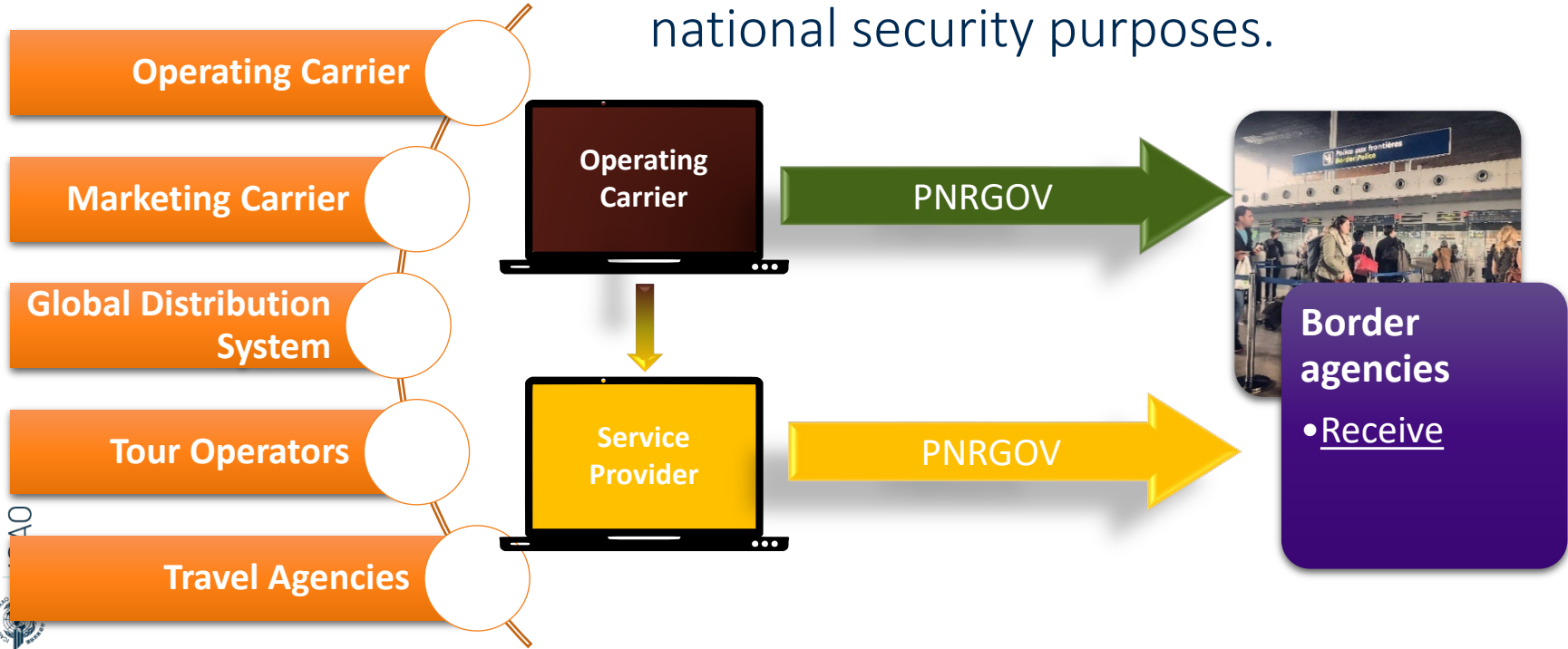
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What is PNR data?

- Data content varies greatly.
- PNR contains only as much as the airline or booking agency collects in the process of its travel bookings.
- PNR data content varies from airline to airline and even from passenger to passenger.
- Includes changes to requested seating, special meals and additional services requested.
- No PNR for crew.

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What is PNR data?

- A PNR may contain as little information as a name, itinerary, ticketing information, general contact information and form of payment.

- Alternatively, a PNR may contain full address, contact details, credit card information and all data pertaining to the booking.

- The airline industry cannot guarantee the accuracy of information contained in PNR data, as reservation data is filled with self-asserted and unverified data collected for commercial purposes during time of booking.

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PNR Transmission

The data is being sent to States in a PNRGOV message to fulfil border and national security purposes.

- Operating Carrier
- Marketing Carrier
- Global Distribution System
- Tour Operators
- Travel Agencies

Operating Carrier → PNRGOV →

Service Provider → PNRGOV →

Border agencies
- Receive

What is PNR data?

- A PNR message contains data captured in many ways.

- Reservations may be created by various marketing organizations, with only pertinent details of the PNR then transmitted to the operating carrier(s), who in turn transmit the details to States.

- Non-filtering – airline industry systems are programmed to transfer the entire contents of a PNR they have in their systems to States, meaning that States must protect data which may be considered sensitive.

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PNR Data Elements (ICAO PNR Guidelines)

1. PNR Name Details
2. Address Details
3. Contact Telephone Number(s)
4. Any collected API data
5. Frequent flyer information
6. PNR locator code
7. Number of passengers on PNR
8. Passenger travel status – Standby information
9. All date information – PNR creation date, booking date, reservation date, departure date, arrival date
10. Split/divided PNR information – Multiple passengers on PNR
11. All ticketing field information – Date of ticket issue/purchase, selling class of travel, issue city, ticket number
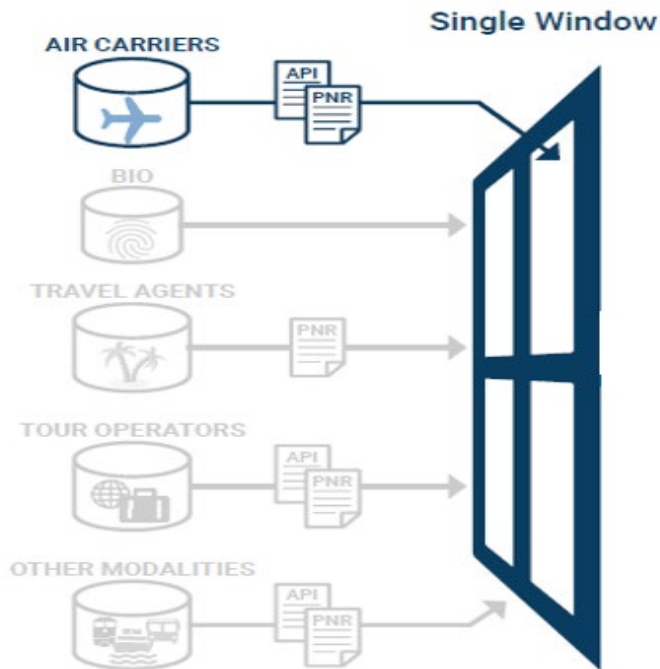
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PNR Data Elements (ICAO PNR Guidelines)

12. All travel itinerary for PNR

14. Form of payment (FoP) information

15. All check-in information*

16. All seat information – Seats requested in advance; actual information*

16. All baggage information*

17. Travel agent information

18. Received from information – Name of person making the booking

19. Go-show information – stand-by without reservation

20. No-show information – only available after flight close-out

21. General remarks – all information in general remarks section

22. Free text code fields in Other Service Information (OSI), Special Service Requests (SSR), Special Service Information (OSI) – all IATA codes

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Passenger Data Stakeholders

1. Passport Control (immigration)
2. Customs
3. Counter-Terrorism/National Security
4. Counter-Narcotics
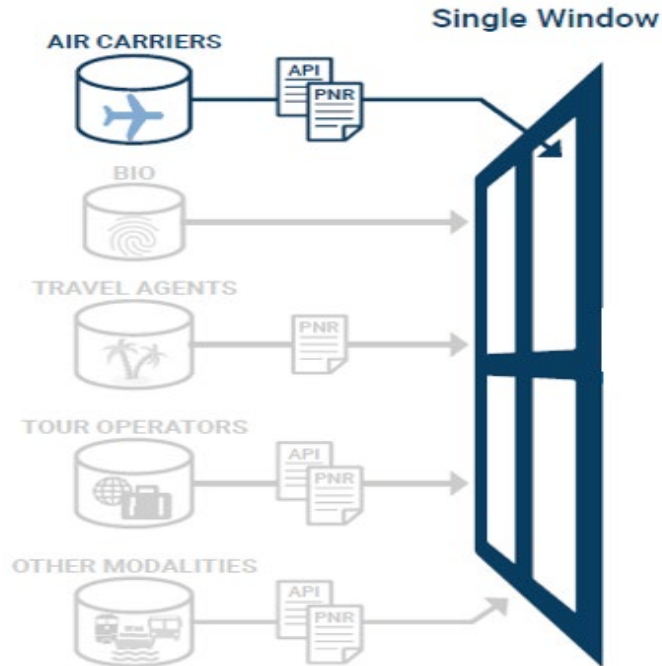5. Aviation Security

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Passenger Data Single Window

A facility that allows parties involved in passenger transport by air to lodge standardized passenger information (i.e. API, iAPI and/or PNR) through a single data entry point to fulfil all regulatory requirements relating to the entry and/or exit of passengers that may be imposed by various agencies of the Contracting State

Single Window for API/iAPI transmissions does not necessarily need to be the same facility used to support PNR data exchange.

Includes public health authorities.

Single Window Options

→ Allows for separate processing of API & PNR
→ State must have established Single Window facility/facilities
→ Standard*

→ Joint processing of API & PNR in one Single Window facility encouraged
→ *RP*

Thank You