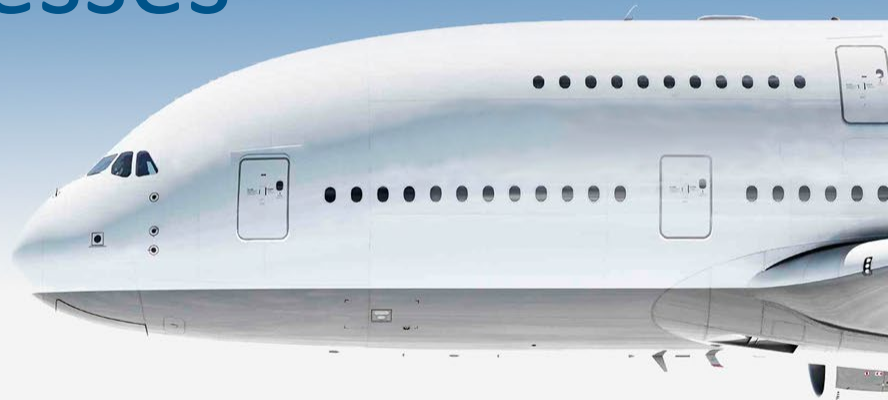# Pre-Travel Verification & Digitalization of Processes

eu-LISA Industry Roundtable
Getting Ready for EES and ETIAS
Tallinn, 11 October 2022

*Christopher Hornek*
*Annex 9 Expert*
*chornek@icao.int*

# Two Points of Discussion

1. Credentials-based pre-travel checks
   ➢ Supported by Batch API

2. Systems-based pre-travel verification
   ➢ Enabled by interactive API (+TD/passport)

# **What is Advance Passenger Information (API)**

➤ API consists of biographical data about passengers, plus information concerning the specific flight, plus potentially pax routing information transmitted to a border agency

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

➤ API may apply to airlines operating into or departing a State, or in some cases for over flights

```
P<SWESPECIMEN<<SVEN<<<<<<<<<<<<<<<<<<<<<<<<<<
45123456<4SWE6103213M1004256196103213499<<46
```

## Batch API

- Pax details transmitted after flight closure on flight level
- Government intervention before departure unlikely
- Enhances border security
- Enables checks against watchlists
- *Pre-travel checks remain credential based*

## Interactive API

- Pax details transmitted in real-time during check-in on per passenger basis
- State intervention is immediate, CUSRES required
- Reduces inadmissible persons
- Enhances aviation security
- *Pre-travel verification can be systems based (+passport)*

# **Effective Use of Interactive API**

- Requires interagency co-operation at the (supra-) national border management level.

- Best Practice – Travel Document used by States as a pointer to conduct a comprehensive pre-travel verification check against multiple databases/watchlists:

  - Immigration (exit/entry, visa, electronic travel authorization);
  - Security (aviation security, counter-terrorism); and
  - Public health portals (vaccination, test result, contact details).

# Pre-Travel Verification using iAPI

## Single Window Architecture

P<SWESPECIMEN<<SVEN<<<<<<<<<<<<<<<<<<<<<<<<<
45123456<4SWE6103213M1004256196103213499<<46

**Aircraft Operator DCS System**

**Immigration Authority Exit/Entry System (Passport Control)**

**TD records / EES**

**Visa / ETIAS**

**Interior / NCB**

**Security Agencies**

**Aviation Security**

**Public Health**

INTERPOL

**Health Digital Platform // Digital Pax Locator Form**

**CUSRES real time consolidated response**

YES   ?   NO

# Data Quality is the Key

- Having high quality biographic data is the key
- How is Passport/Travel Document data acquired?
    - Passenger enters it manually
    - Passport is swiped at airport (MRZ)
- How to enhance data quality in a timely way?
    - Passport data acquired by phone camera (MRZ)
    - Passport data acquired from the ePassport chip (DG1)

# ICAO Public Key Directory (PKD) Commercial Pilot

- Acquiring data from the chip leads us to chip validation.
- PKD Board launched a pilot project to examine the use of ICAO PKD data by private sector entities.
- 20 companies trialing private sector use of PKD data.
- Able to validate electronic travel documents and/or health proofs within travel-related processes.
- Solutions using PKD data cannot be offered to States not participating in the PKD.

MONTRÉAL
(HEADQUARTERS)

PARIS
(EUROPEAN AND
NORTH ATLANTIC)

BEIJING
(ASIA-PACIFIC
SUB-OFFICE)

MEXICO CITY
(NORTH AMERICA AND CARIBBEAN)

CAIRO
(MIDDLE EAST)

DAKAR
(WESTERN AND
CENTRAL AFRICA)

BANGKOK
(ASIA-PACIFIC)

NAIROBI
(EASTERN AND
SOUTHERN AFRICA)

LIMA
(SOUTH AMERICA)

THANK YOU!