



# API & PNR: A Standards Overview

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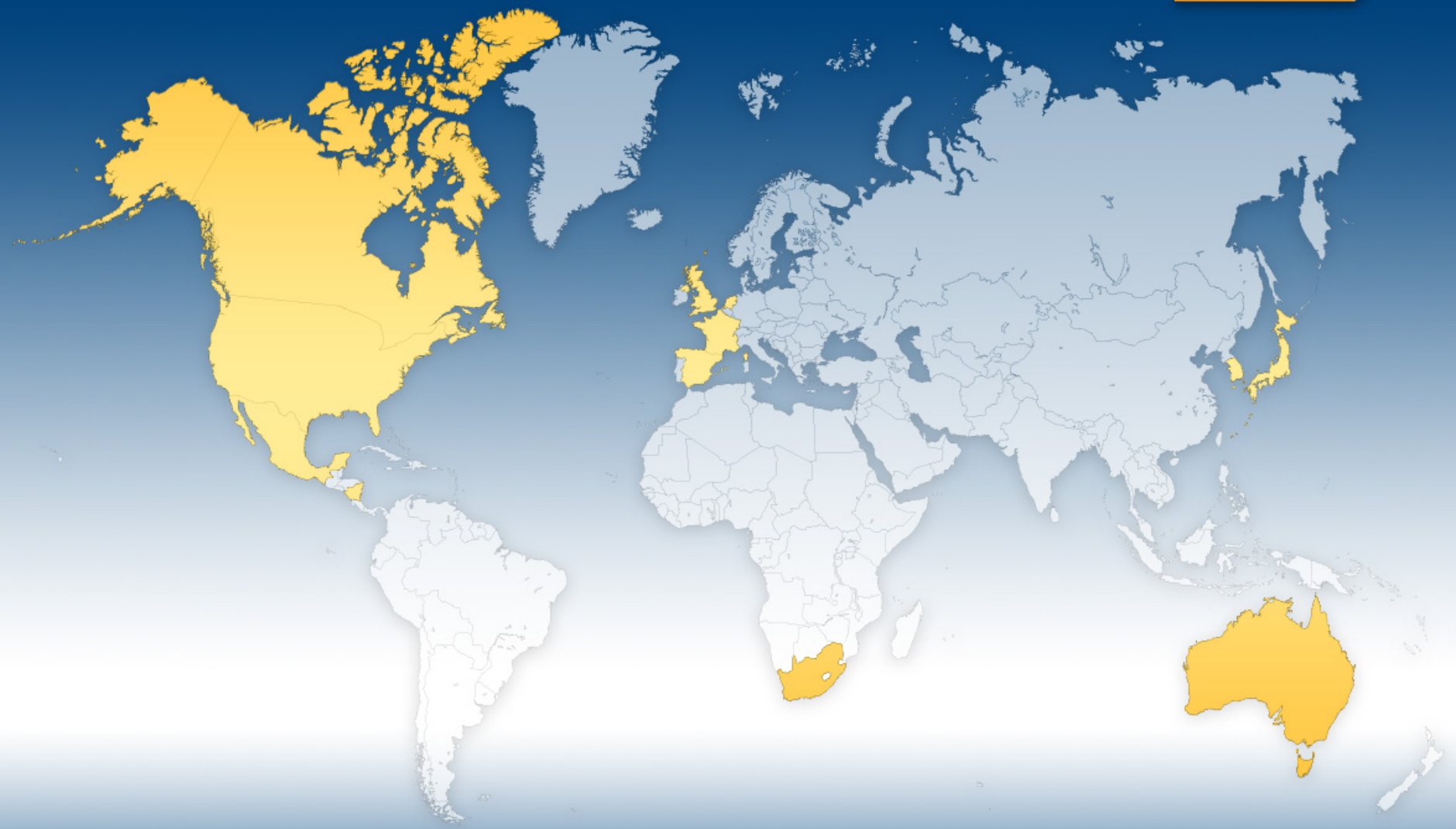
*Manager, Aviation Facilitation*

Strengthening Aviation Security through Improved Traveller Identification

# OBJECTIVE

- Understand the complexities of passenger data programs
- Increase awareness of existing international standards and airlines' capabilities
- Understand that ICAO, WCO and IATA can offer assistance and expertise

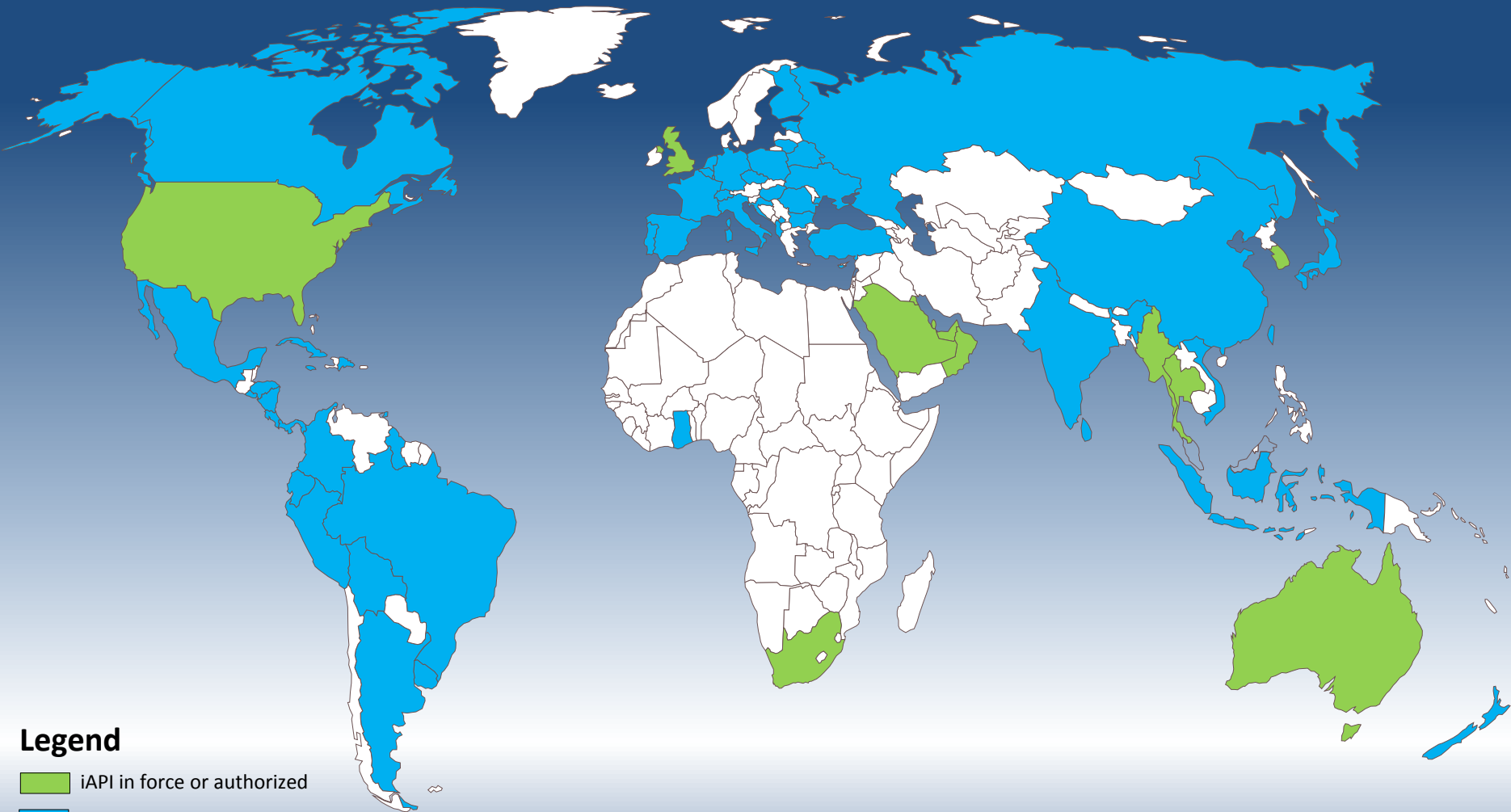




# REQUIREMENTS IN EARLY 2000



WORLD CUSTOMS ORGANIZATION

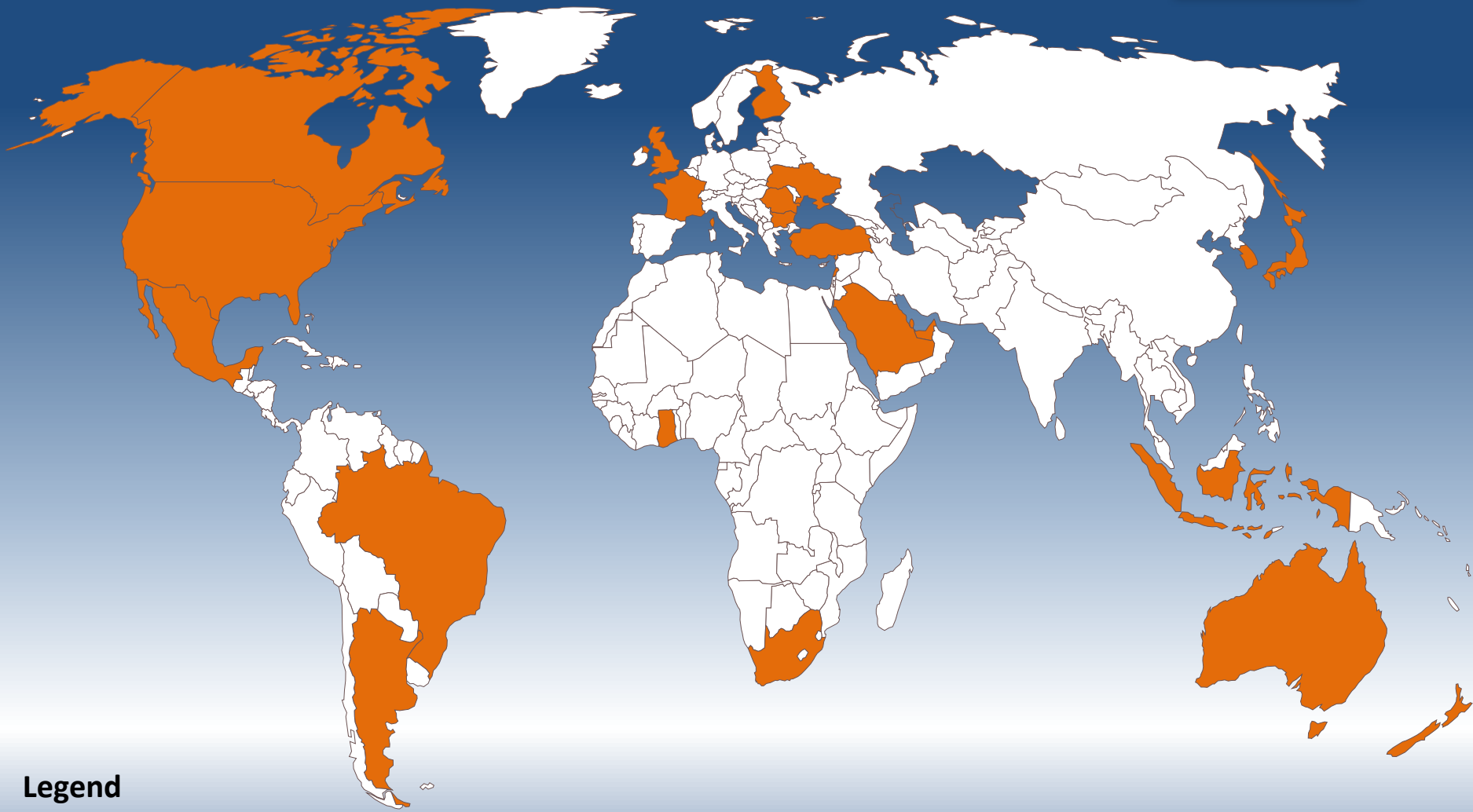


**Legend**

- iAPI in force or authorized
- API in force or authorized

# API REQUIREMENTS TODAY

as of September 2016



**Legend**

 PNR in force or authorized

# PNR REQUIREMENTS TODAY

as of September 2016





# INCREASING NONSTANDARD REQUESTS

PNR  
State Design



AI:  
Web/Email



etc.

iAI: Commercial Solution



WORLD CIVIL AVIATION ORGANIZATION

# DEFINITIONS

# API

VS

# PNR

Definitions



**API helps identify people you know about.**

For instance : people on a watchlist



**PNRGOV (from PNR) helps notice people and trends you did not know about.**

For instance: suspicious travel patterns





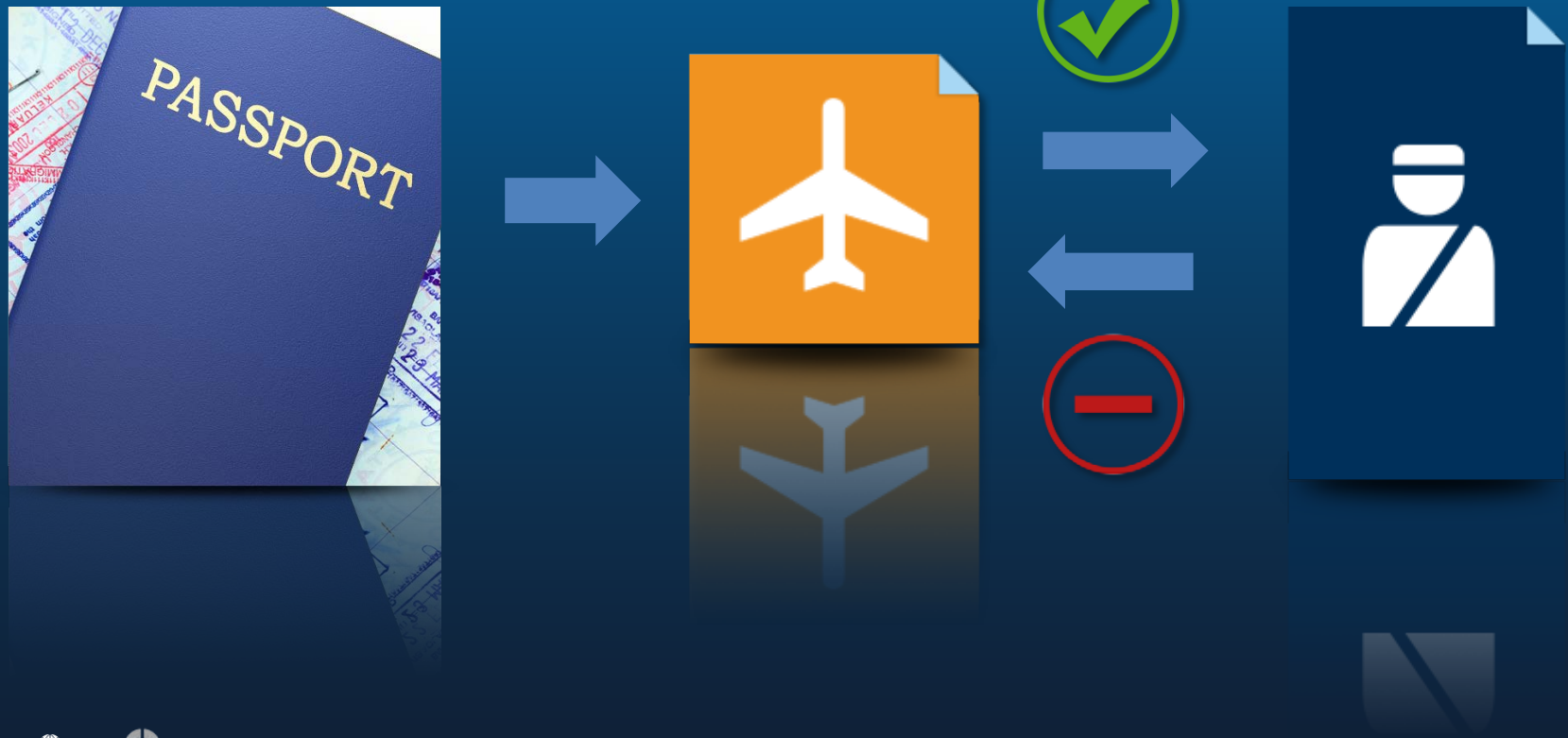
# API – TRANSMISSION

## Legacy (Batch) API



# API-TRANSMISSION

Interactive API (iAPI)



# PASSENGER NAME RECORD (PNR)

Information about a person's travel reservation.  
It can be useful:

- For customs, law enforcement, security
- To help identify contraband, smuggling, etc
- To assist in risk assessment



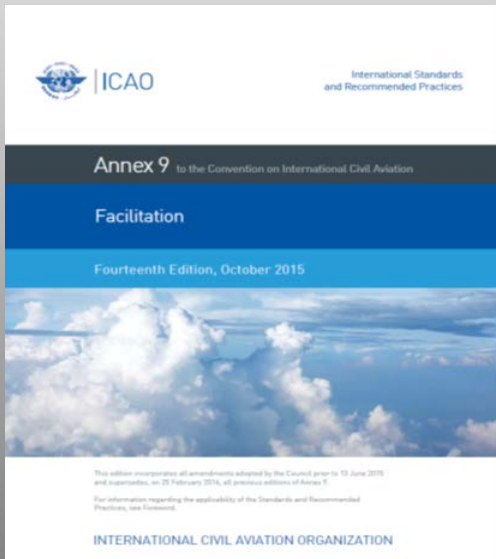
# PRIVACY AND DATA PROTECTION

- PNR contains personal data
- Countries have different perspectives on how much is “private” or how much can be shared
- State to State agreement may be necessary
- Sensitive data should not be required

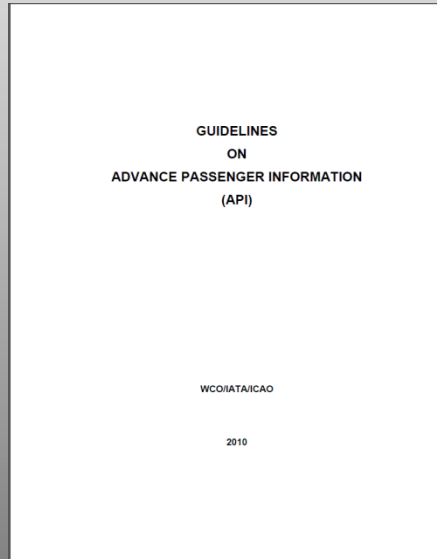


# DATA ELEMENTS

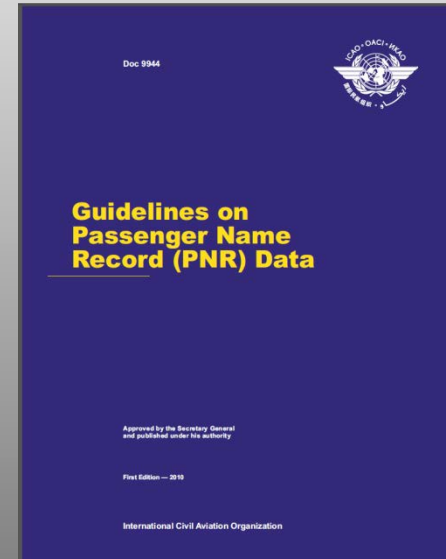
# WHERE TO FIND THE LIST OF DATA ELEMENTS



Standards and Recommended Practices for API, iAPI and PNR



API and iAPI data elements are listed in the WCO-IATA-ICAO Guidelines on API



PNR data elements are listed in the ICAO Guidelines on PNR Data (Doc. 9944)

# KEY PRINCIPLES

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“ACE” stands for

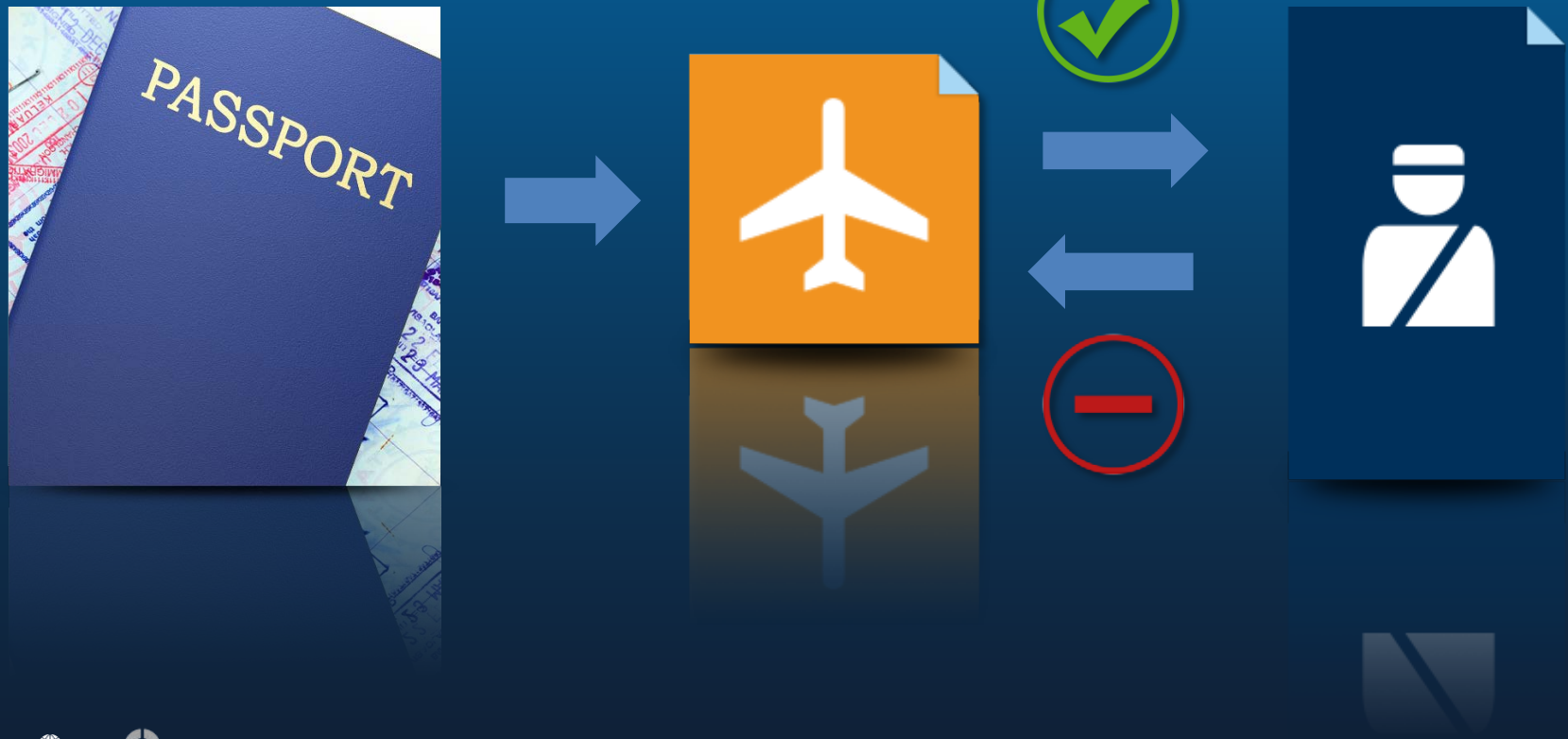
- Alignment with standards
- Cooperation with industry and other States (data protection)
- Efficiency: necessary data only

# SINGLE WINDOW





# INTERACTIVE API (iAPI)



# BENEFITS

# BENEFITS OF STANDARD TRANSMISSION

- ✓ Faster implementation
- ✓ Better compliance
- ✓ Cost control
- ✓ Reliable data
- ✓ Minimum impact on airport infrastructure

# NATIONAL SECURITY BENEFITS

- ✓ Watch-list screening
- ✓ Integrated Border Management
- ✓ Single Window
- ✓ Automated Border Control
- ✓ International Cooperation
- ✓ Travel history and analysis

# GLOBAL CAPACITY BUILDING PROGRAM

- **IATA/ICAO/WCO Passenger Data Toolkit**
  - <http://www.iata.org/iata/passenger-data-toolkit/index.html>
- **IATA Guide to Facilitation**
  - Detailed summary Annex 9 Standards, Recommended Practices
- **API/PNR seminars in cooperation with UN, ICAO, WCO, IOM, INTERPOL, OSCE**
  - Seminars for those States planning Passenger Data programs
- **IATA Passenger Data Training**
  - Training on Passenger Data specifications for practitioners



# EMERGING ISSUES

- **Electronic Travel Systems**
  - Pre-validation of travel authorization through interactive API
  - Purpose: ETS expedites the pre-vetting and acceptance of low-risk passengers into a country, while providing a secure method for applicants, governments, and airlines to verify the acceptance for travel.
  - Definition: The automated process for the lodgement, acceptance and verification of a passenger's authorization to travel to a State, in lieu of the standard counterfoil visa.
- **Dual citizens and API**
  - Best practices needed?



ICAO

SECURITY & FACILITATION

NO COUNTRY LEFT BEHIND



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