IN THE NAME OF GOD

I.R. IRAN Police

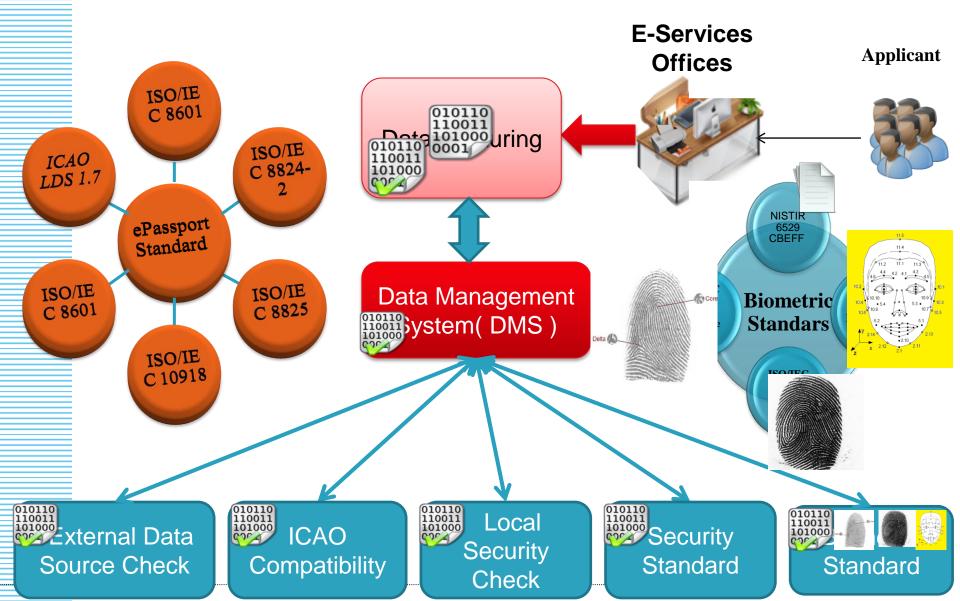# Iranian ePassport and Border Management

Technical Report

ICAO Regional Seminar on

Traveller Identification Management, Machine Readable Travel Documents, Biometrics and Border Security
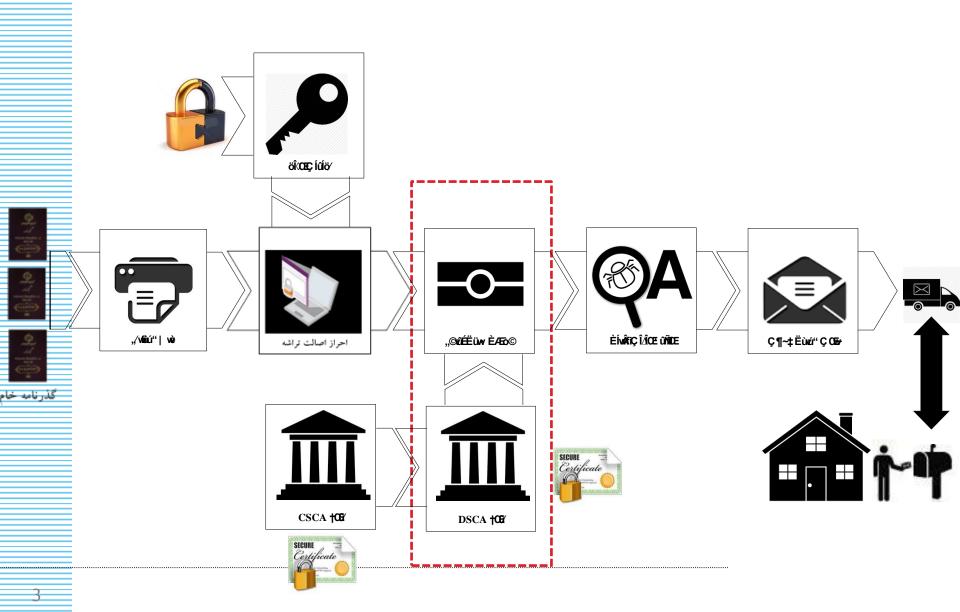
Kish Island, Islamic Republic of Iran

9 - 11 May 2016

ePassport Enrollment Process

E-Services Offices

Applicant

ISO/IEC 8601

ISO/IEC 8824-2

ICAO LDS 1.7

ePassport Standard

ISO/IEC 8601

ISO/IEC 8825

ISO/IEC 10918

Data Capturing

Data Management System(DMS)

NISTIR 6529 CBEFF

Biometric Standars

ISO/IEC

External Data Source Check

ICAO Compatibility

Local Security Check

Security Standard

Standard

Iranian ePassport PKI

Biometric Passport PKI

- ✵ **Compatible with LDS version 1.7.1**

- ✵ **BAC Enabled**

- ✵ **PA Enabled (Mandatory)**

- ✵ **AA Enabled**

- ✵ **Implementing EAC-PKI and issuing a limited number of EAC-Enabled biometric passports**

✸ **Equipping the country's borders with ePassport controlling devices**

✸ **Re-engineering former border control systems to match them with ePassport, biometrics and ABC procedures**

✸ **Joining PKD (as the 45th participant) to make ePassports' trust chain fully verifiable (Digital Signature Chain Verification)**

✸ **Interacting with INTERPOL about SLTD and MIND systems**

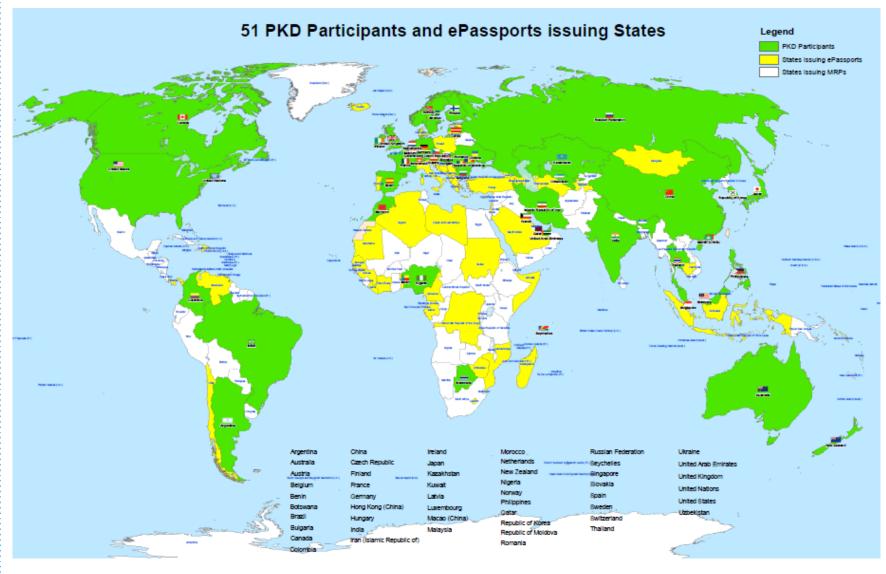✸ **Installing and running E-Gate at Imam Khomeini International Airport**

51 PKD Participants and ePassports issuing States

Legend
- PKD Participants
- States issuing ePassports
- States issuing MRPs

Argentina	China	Ireland	Morocco	Russian Federation	Ukraine
Australia	Czech Republic	Japan	Netherlands	Seychelles	United Arab Emirates
Austria	Finland	Kazakhstan	New Zealand	Singapore	United Kingdom
Belgium	France	Kuwait	Nigeria	Slovakia	United Nations
Benin	Germany	Latvia	Norway	Spain	United States
Botswana	Hong Kong (China)	Luxembourg	Philippines	Sweden	Uzbekistan
Brazil	Hungary	Macao (China)	Qatar	Switzerland	
Bulgaria	India	Malaysia	Republic of Korea	Thailand	
Canada	Iran (Islamic Republic of)		Republic of Moldova		
Colombia			Romania		

* **This plan includes three main components:**
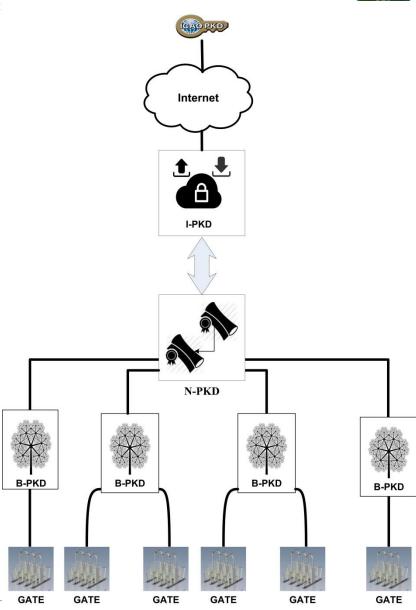
* **Connecting to ICAO PKD software which is internet-based (I-PKD) and has been implemented based on ICAO standards and technical documents received from the technical operator.**

* **National PKD software component (N-PKD) which works on a private network and has been designed and implemented based on standards and native requirements.**

* **PKD border software component which is a distributed component and is installed in borders**
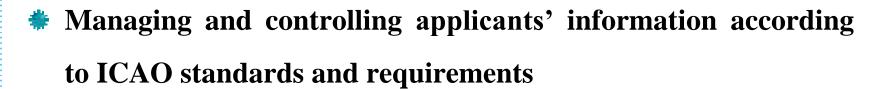
Islamic Republic of Iran's Potential Capabilities for ePassport and Border Control Management

* **Designing and implementing of passport enrollment systems**

* **Managing and controlling applicants' information according to ICAO standards and requirements**

* **Implementing and supporting infrastructures required for electronic/biometric passport issuance and control**

* **Designing and implementing passport booklet printing and chip personalization sub-systems**

* **Designing and implementing border control/security systems**

* **Offering national PKD solutions and ability to develop ICAO PKD software according to the respective standards**
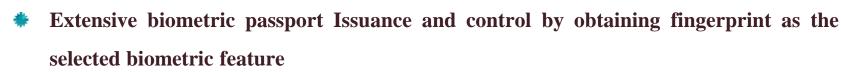
Prospects of Iran's Passport and Border Control

❋ **Extensive biometric passport Issuance and control by obtaining fingerprint as the selected biometric feature**

❋ **Implementing ABC system and expanding E-Gate with the aim of facilitating border procedures and advancing its security**

❋ **Joining ICAO's passport and border control-related technical working groups such as NTWG, ICBWG, etc.**

❋ **Enhancing security standards of Iranian ePassport to be matched with new ICAO protocols such as SAC**

❋ **Migration to LDS 2.0 standard**

❋ **Re-evaluating the procedures and border control systems with the aim of:**

  ❖ **Increasing agility**

  ❖ **Facilitating tasks for citizens**

  ❖ **Advancing security**

  ❖ **Preventing fraud and counterfeiting of Machine Readable Travel Documents**

Summary and conclusion

✓ **The current status shows:**

- **Islamic Republic of Iran (as a member of ICAO) is trying to adapt itself to new technology trends about border management, particularly travel documents**

- **Islamic Republic of Iran's anti-terrorism strategy**

- **The government's strategy in providing facilities for citizens**

- **The government's tendency for continuous improvement of aviation and border security**

- **Managing to have a close cooperation and interaction with international societies especially ICAO, its member states, and PKD participants**

The End

Thank you for your attention