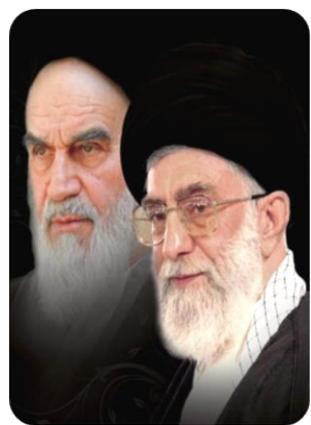**IN THE NAME OF GOD**

I.R. IRAN Police

Progress report of I.R. IRAN Police in
Issuing and Controlling Machine Readable Travel Documents
(MRTD)

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

Abstract

❋ Police is one of the passport issuing authorities in the county.

❋ This organization started issuing ePassports in a fully machinery method in 2011 and consequently, Iran joined ePassport issuing countries in the world.

❋ In this report, measures, abilities, infrastructures and procedures related to Iranian ePassport enrollment, issuing, mailing, and controlling will be presented.

Islamic Republic of Iran Position

Geographical Position

- Area: 1,648,195 square kilometer
- Population: approximately 78,878,591

Strategic Position

- Having Oil industry , petrochemical, and natural gas
- Access to open seas
- Participation in different international societies

Aviation Position

- Joining International Civil Aviation Organization (ICAO) on July 20, 1949

I.R. IRAN Police Passport Roadmap

Conducting study projects on ePassport security in association with domestic universities in 2008

Issuing developed MRPs in 2004

Studying and analyzing the ICAO Standards and Recommended Practices on ePassport (such as Doc 9303) since 2006

Establishing ePassport public key infrastructure (CSCA and DSCA) in 2010.

Issuing the first generation of MRPs in 1996

Setting up our ePassport issuing system and issuing the first generation of ePassports in the country in 2011

equipping more than 1000 e-service offices throughout the country

Participating in PKD as the 45th country on May 18, 2014

Developing biometric passport PKI (CVCA and DVCA) in 2013

Celebrating the CSCA root certificate import ceremony into ICAO HSM and exchanging the certificate with other PKD participants in 2014

Connecting to ICAO PKD and using downloaded information in border control processes in the country

Issuing Document Signer Certificate for ministry of Foreign Affairs (as one of the passport issuing authorities in the county)

Running E-gate project at Imam Khomeini International Airport

Types of Islamic Republic of Iran's passports

Normal Passport
- is issued for ordinary citizens
- is valid for 5 years

Diplomatic Passport
- is issued for political figures, government officials, and employees
- is valid for 1 year

Service Passport
- is issued for government employees who are sent on missions
- is valid for 5 years

The Process of Issuing and Delivering ePassport in Iran

* **The applicant's presence in e-service offices to submit their request for issuing ePassport or replacing their old ones and delivering required documents**

* **Sending information from the offices to the centralized issuing center; the sending task is done automatically**

* **Reviewing and validating applicants' information in the central system and performing background checks**

* **ePassport booklet printing and chip personalization**

* **Express mailing of the ePassports to the applicants' addresses**
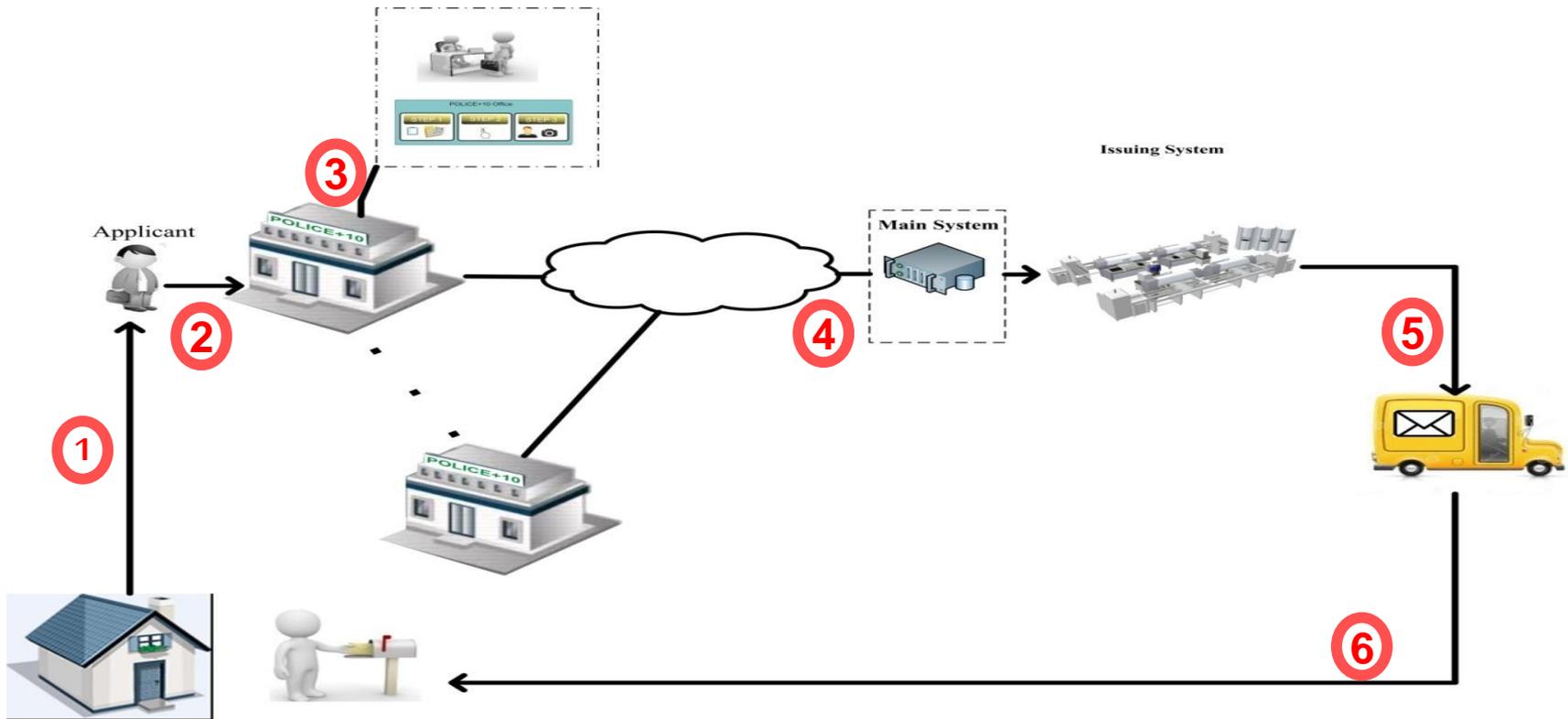
- **Overall number of issued ePassports From 2010 to the end of August 2014:**

  - **More than 17 million booklets**

- **Number of active international borders (aerial, land, marine):**

  - **87 borders**

- **Number of transits in 2015:**

  - **More than 25 million**

-Arba'een Plan

✳ **Establishing 4 enrollment and passport issuing local agencies in provinces of Khuzestan and Ilam**

✳ **Providing the required equipment and hardware**

✳ **Establishing passport delivery stations**

✳ **Issuing more than 7,000 ePassports locally in three selected provinces, in the scope of the mentioned plan**

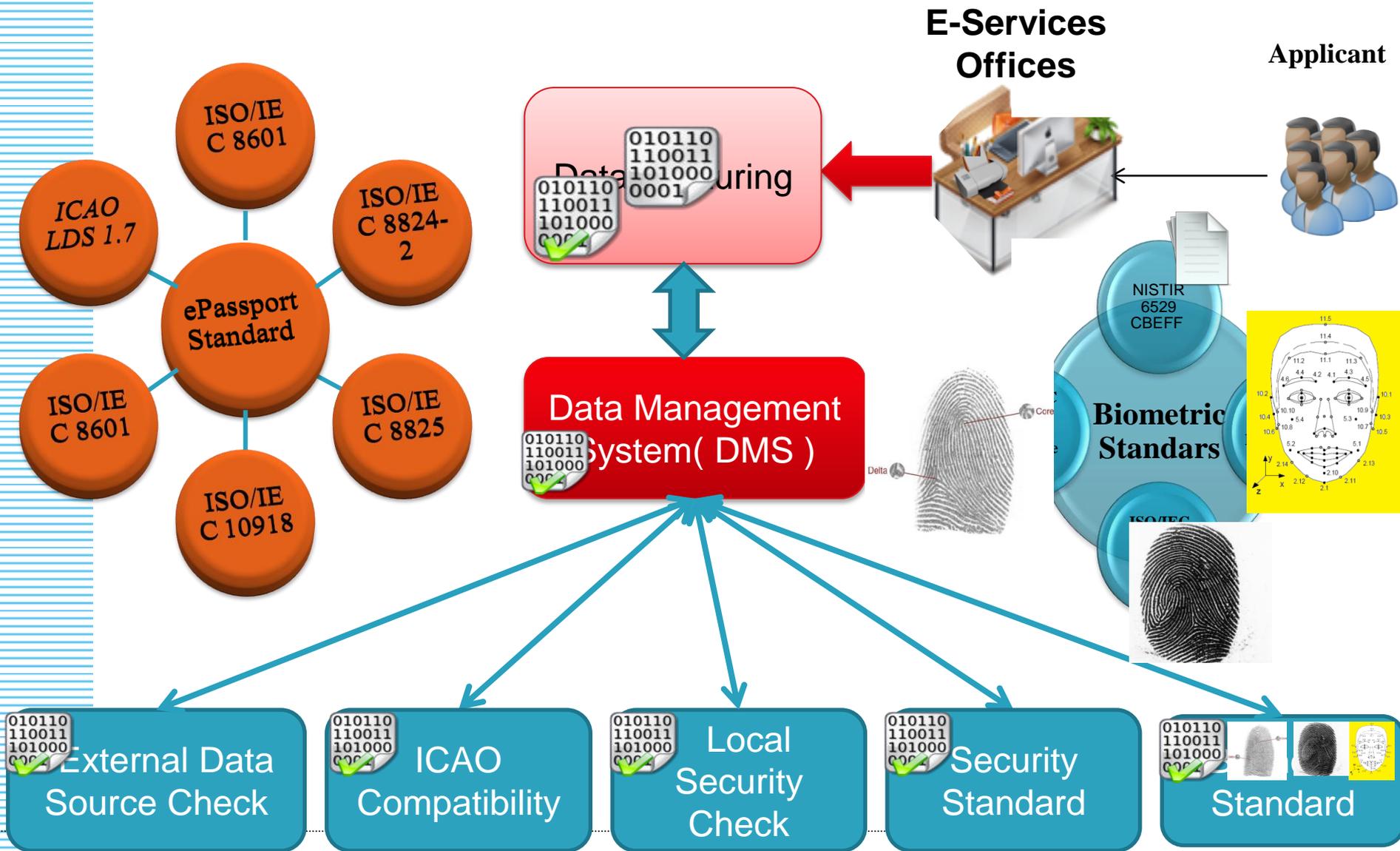✳ **Statistics on transit from Iranian borders heading to Iraq in Arba'een Plan:**

  ❖ **More than 1 million Iranians**

  ❖ **More than 80,000 foreigners**

Iranian ePassport and Border Management

Technical Report

ePassport Enrollment Process

E-Services Offices

Applicant

ISO/IEC 8601

ISO/IEC 8824-2

ICAO LDS 1.7

ePassport Standard

ISO/IEC 8825

ISO/IEC 8601

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

ePassport Issuance
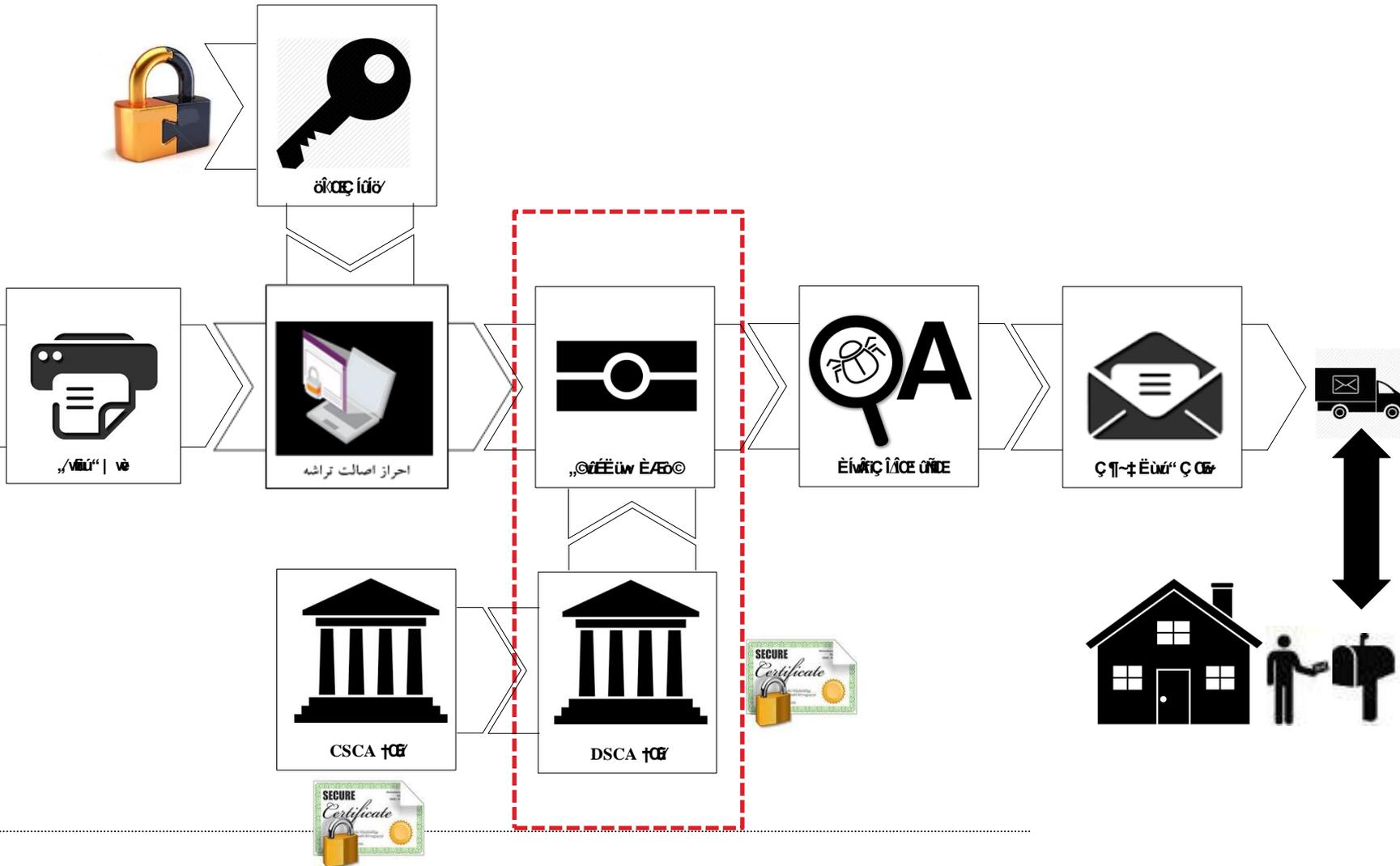
Iranian ePassport PKI

Biometric Passport PKI

CVCA

Country Verifying CA → **SPOC**

DVCA
Document Verifying CA

DVCA
Document Verifying CA

Inspection System

Inspection System

Inspection System

Inspection System

...

...

CVCA

Country Verifying CA

DVCA
Document Verifying CA

Inspection System

Inspection System

...
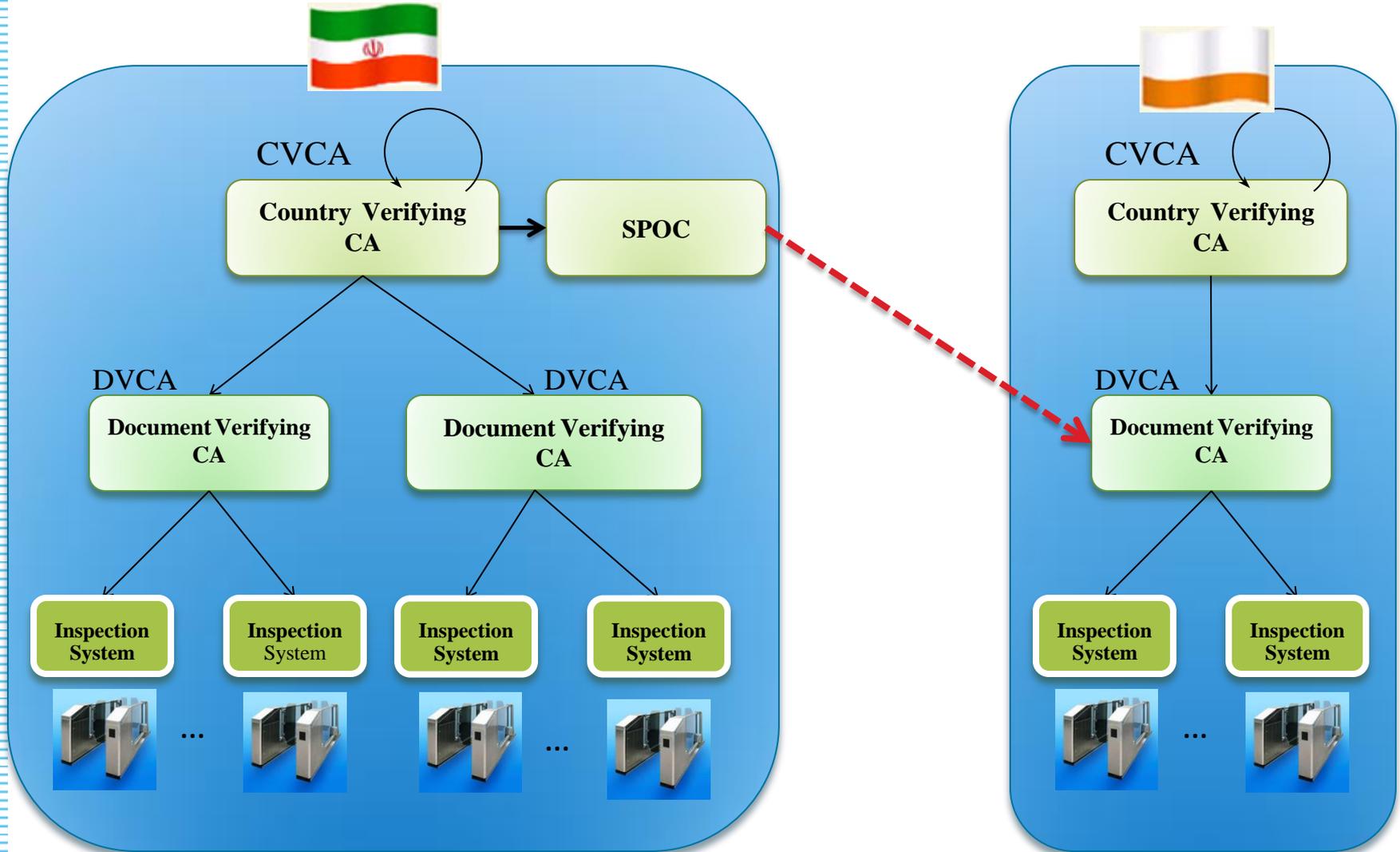
✸ **Compatible with LDS version 1.7.1**

✸ **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**

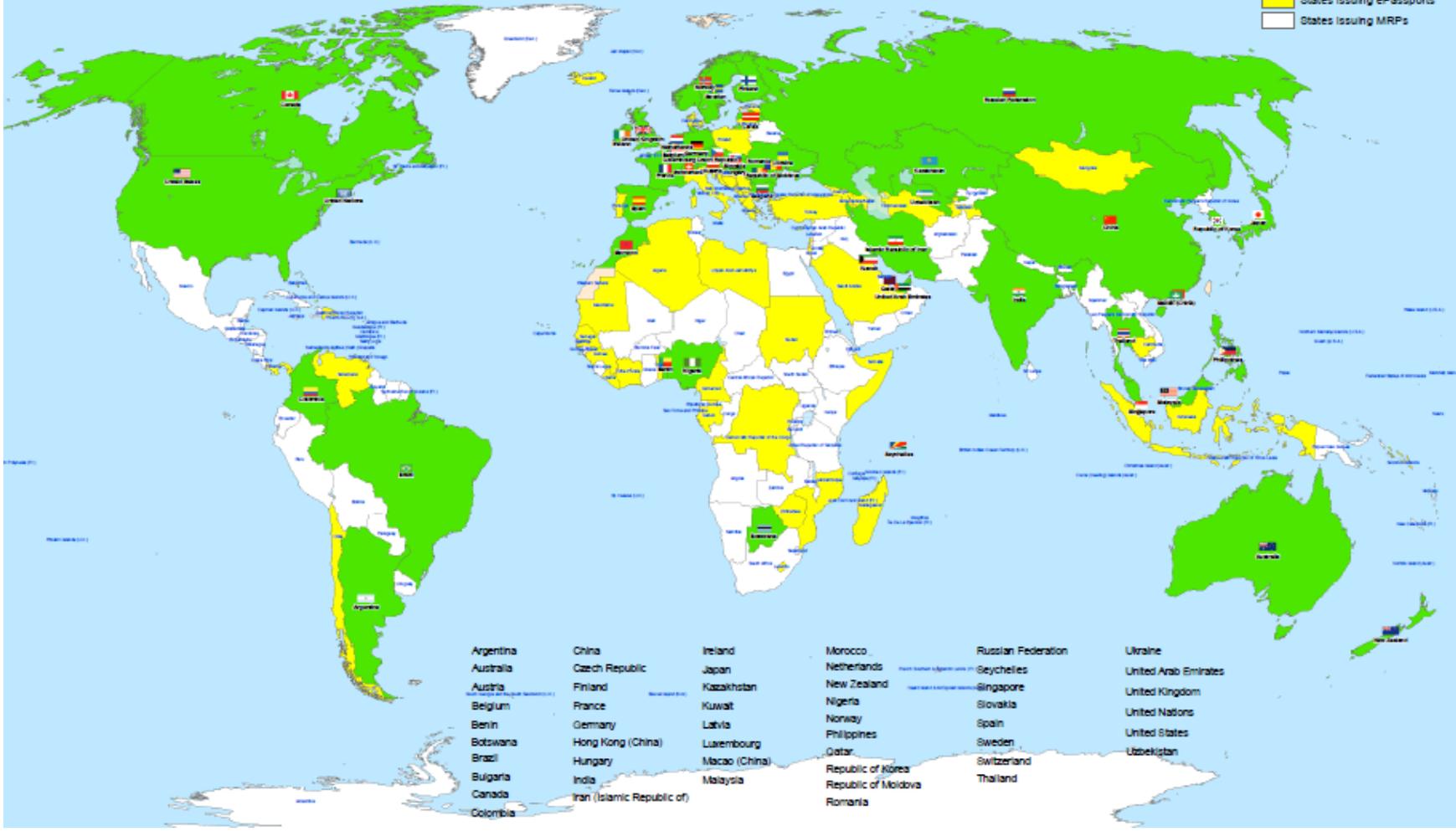- **Installing and running E-Gate at Imam Khomeini International Airport**

51 PKD Participants and ePassports issuing States

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

Argentina
Australia
Austria
Belgium
Benin
Botswana
Brazil
Bulgaria
Canada
Colombia

China
Czech Republic
Finland
France
Germany
Hong Kong (China)
Hungary
India
Iran (Islamic Republic of)

Ireland
Japan
Kazakhstan
Kuwait
Latvia
Luxembourg
Macao (China)
Malaysia

Morocco
Netherlands
New Zealand
Nigeria
Norway
Philippines
Qatar
Republic of Korea
Republic of Moldova
Romania

Russian Federation
Seychelles
Singapore
Slovakia
Spain
Sweden
Switzerland
Thailand

Ukraine
United Arab Emirates
United Kingdom
United Nations
United States
Uzbekistan

Conducting I.R. IRAN Police Native PKD Plan

* **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**
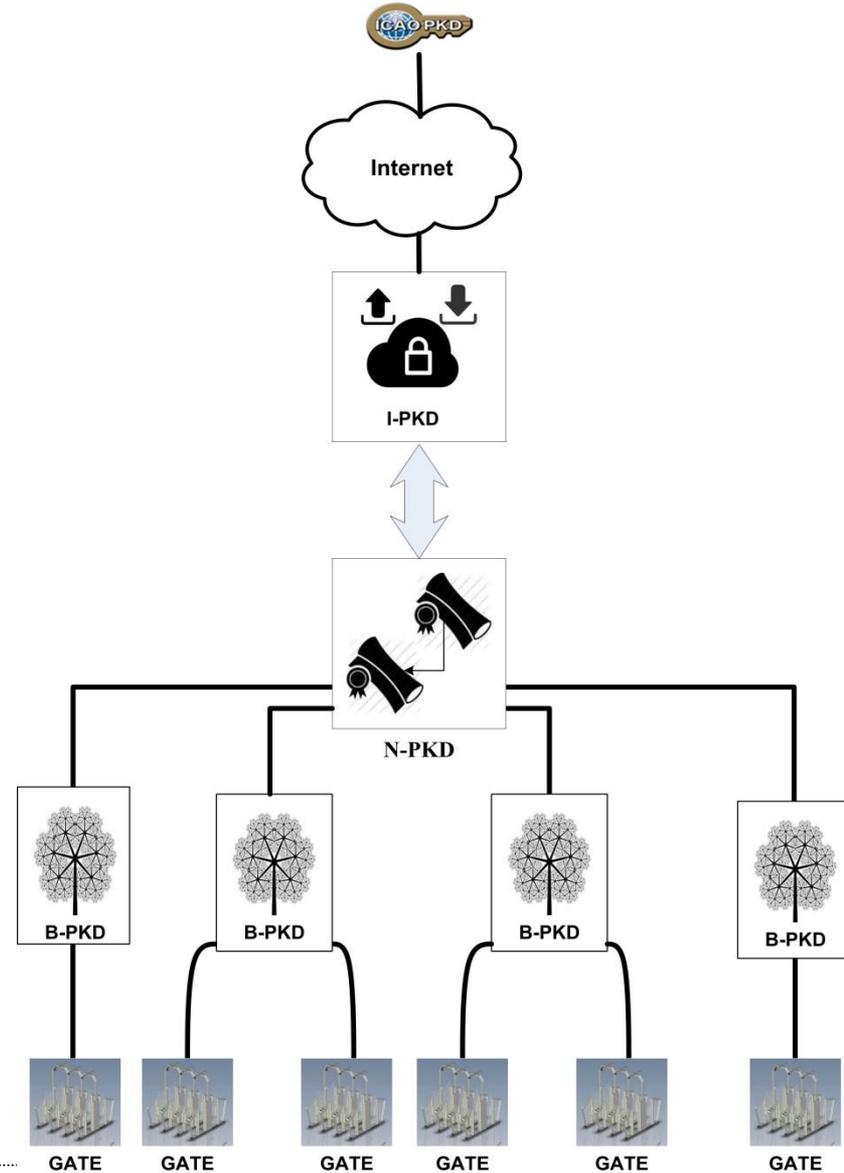
Islamic Republic of Iran's Potential Capabilities for ePassport and Border Control Management

✤ **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