



PKI Status In Iran

Iran Center for e-Commerce Development

PKI Laws & Regulations in Iran

PKI Architecture, Usage and Application

PKI Laboratory

PKI Interoperability









PKI Laws & Regulations in Iran

• E-commerce Law

• Executive Regulations, Article 32

 Digital Certificate Policy Approved by Policy Council



- Trusted Point of Iran PKI;
- Governmental Root CA with Permission of the Digital Certificate Policy Council;
- Preparation of Policies, Standards and Procedures;
- Auditing of Intermediate CAs;
- Certificate Issuance and Management of Intermediate CAs;
- Evaluation and accreditation of PKI Related Hardware and Software.

Private External General Intermediate CA Intermediate CA Intermediate CA Intermediate CA Registration Registration Registration Registration Authority Authority Authority **Authority** Certificate Request Management;



Digital Certificate Policy Council

4.PARSSIGN CA

Governmental O Ap

o More than 3000 Registration

Authorities in Iran PKI.

Certification Authority

- Iran PKI Policy Authority;
- Approval of Policies, Standards, Procedures;
- Licensing to the CAs;
- Coordinating Authority in Iran PKI.







Application Areas











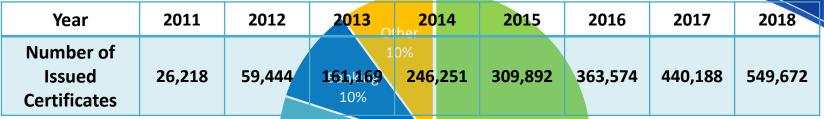


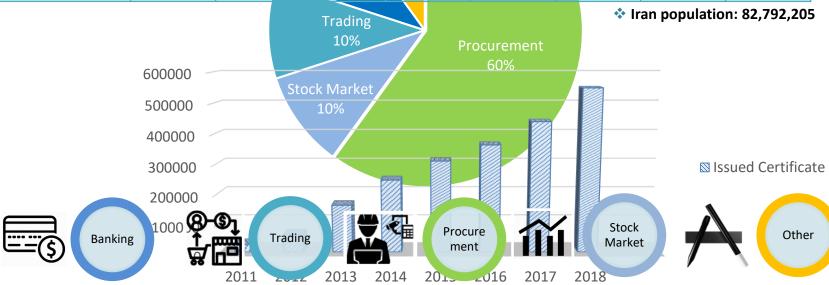






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PKI Laboratory





PKI Laboratory

• Cryptographic Modules Laboratory: for testing and evaluation of Hardware Security Modules



- **✓USB Token**
- ✓HSM (Internal/External)



∠CA, RA, OCSP, TSA, ...

PKE Application Laboratory: for testing and evaluation of PK-enabled applications

- **✓Web based Applications**
- **✓Stand alone Applications**
- •Cryptographic Algorithm Laboratory: for testing and evaluation of Cryptographic Algorithms

✓ Cryptographic Algorithms (Symmetric, Asymmetric, ...)









PKI Interoperability





PKI Interoperability

E-commerce Law

Iran is very interested to establish a trust relationship to meet the requirements of interoperability and agreed implementation Arsolutions between its CAs and other countries particularly those that are the largest trading Partners and acceptance of digital certificates issued by foreign certificate authorities shall be subject to a mutual agreement between Iran's Root CA and the foreign certificate authority with consideration of the reciprocity principle and approval of digital certificate policy council.



THANK YOU For Your Attention