PKI Status In Iran

Iran Center for e-Commerce Development

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- PKI Laws & Regulations in Iran
- PKI Architecture, Usage and Application
- PKI Laboratory
- PKI Interoperability
- Works/Projects

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PKI Laws & Regulations in Iran

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PKI Laws & Regulations in Iran

- E-commerce Law
- Executive Regulations, Article 32
- Digital Certificate Policy Approved by Policy Council

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PKI Architecture, Usage and Application

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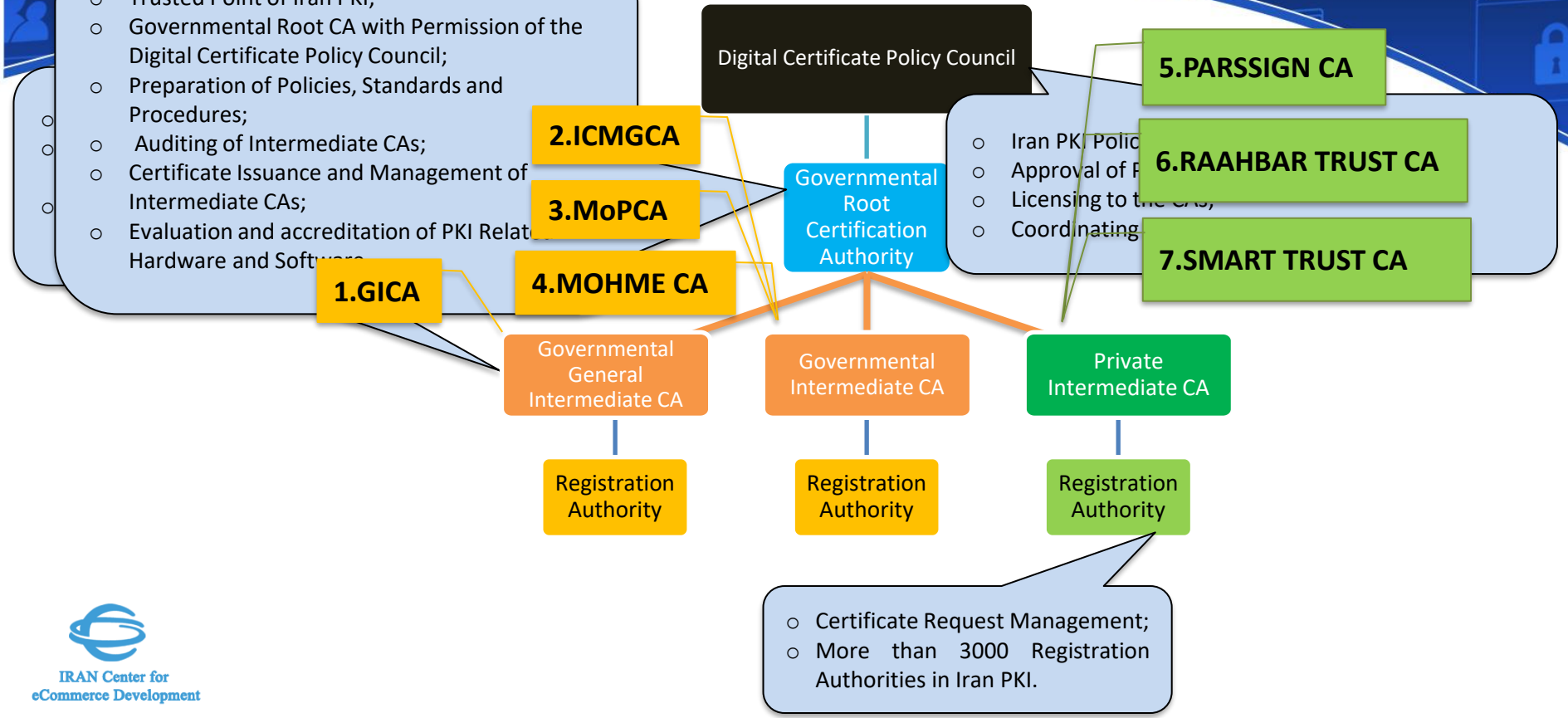
PKI Architecture, Usage and Application

- 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 Relat… Hardware and Soft…



- Certificate Request Management;
- More than 3000 Registration Authorities in Iran PKI.

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PKI Architecture, Usage and Application

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PKI Architecture, Usage and Application

Application Areas

PKI
Laboratory

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PKI Laboratory

- **Cryptographic Modules Laboratory :** for testing and evaluation of **Hardware Security Modules**
  - ✓Smart Card
  - ✓USB Token
  - ✓HSM (Internal/External)

- **CA Management Software Laboratory:** for testing and evaluation of digital certificates **issuing and managing products**
  - ✓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 , …)

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PKI
Interoperability

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PKI Interoperability

E-commerce Law

Executive Regulations, Article 32

Article 18

- Iran is very interested to establish a trust relationship to meet the requirements of interoperability and agreed implementation solutions between its CAs and other countries particularly those that are the largest trading partners of Iran.
  - The validation 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.

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Works/Projects

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Works/Projects

Issuance of Bank Melli Iran Intermediate CA Certificate

Issuance of qualification certificate for the CAs applicants, audit , and review their technical documentation :

1-PENDAR KOOSHK IMEN
2-RUNC
3-PARS ONLINE TELECOMMUNICATIONS

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Works/Projects

- Defining the frame work and requirements of the mobile PKI
- Holding consultation meetings with the stake holders of the mobile PKI services
- Implementing digital signature certificates in mobile platform for using in some financial systems

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Works/Projects

PKI-enabling in the soft ware systems of the SAPCO company with the cooperation of the GICA CA

PKI-enabling in the soft ware systems of Iran road maintenance and transportation organization with the cooperation of the GICA CA

PKI-enabling in the soft ware systems of medical council with the cooperation of the MOHME CA

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THANK YOU

For Your Attention