PKI STATUS IN IRAN

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PKI Laws & Regulations

PKI Hierarchy, Usage and Application

Current Projects in IRAN

Future Plans

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PKI LAWS

&

REGULATIONS

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PKI Laws & Regulations

- E-commerce Law (2001)
- Executive Regulations, Article 32
- Digital Certificate Policy Approved by Policy Council

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PKI HIERARCHY, USAGE AND APPLICATION

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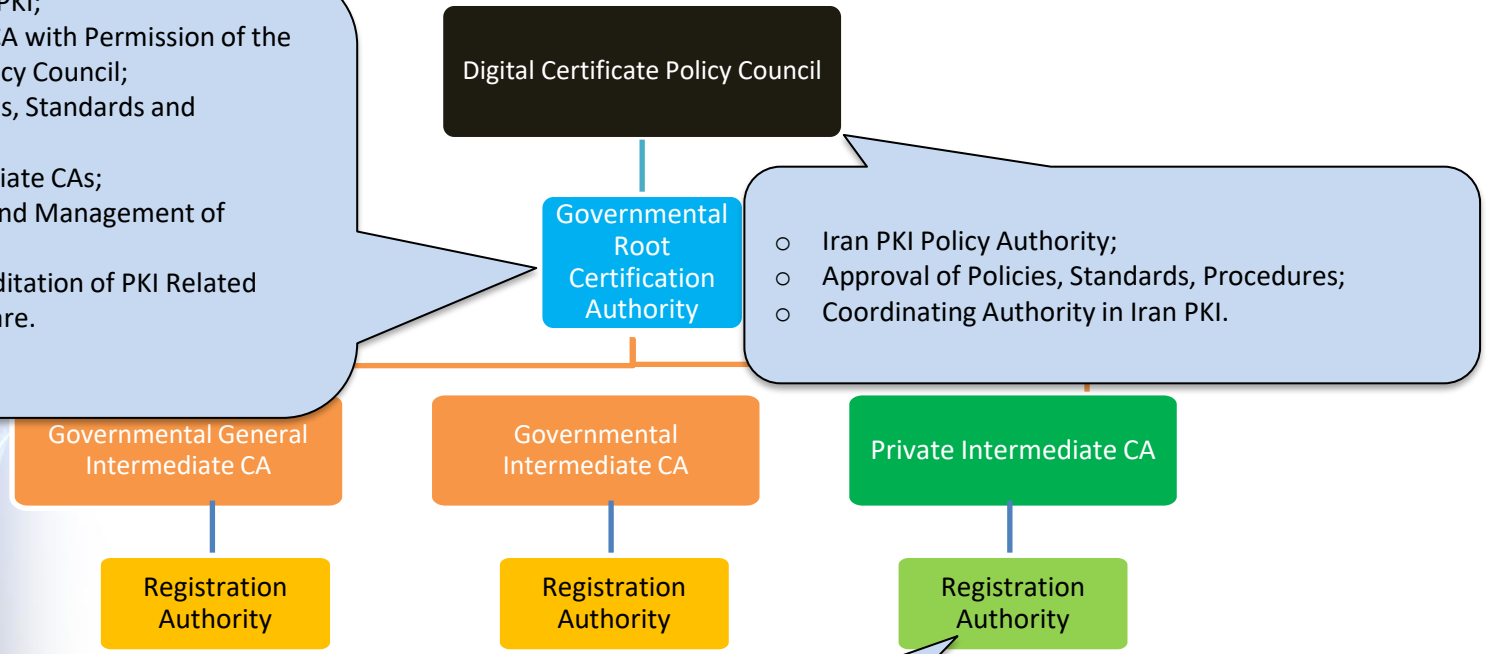
PKI Hierarchy, Usage and Application

- 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 Related Hardware and Software.
- Licensing to the CAs;



- Iran PKI Policy Authority;
- Approval of Policies, Standards, Procedures;
- Coordinating Authority in Iran PKI.

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

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PKI Hierarchy, Usage and Application

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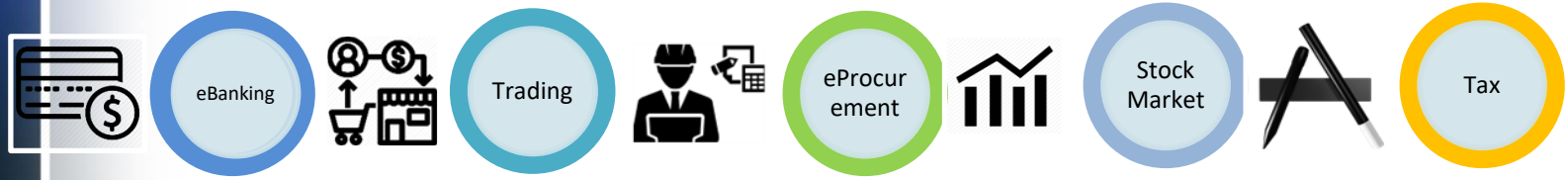
PKI Hierarchy, Usage and Application

Application Areas



CURRENT WORKS IN IRAN

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1. Update Certificate Policy (CP)

- Online identification based on 2-factor strong authentication by applying proof of presence & Liveness detection approved as identification method for Assurance Level 1

- Online identification based on 3-factor strong authentication by applying proof of presence & Liveness detection approved as identification method for Assurance Level 2

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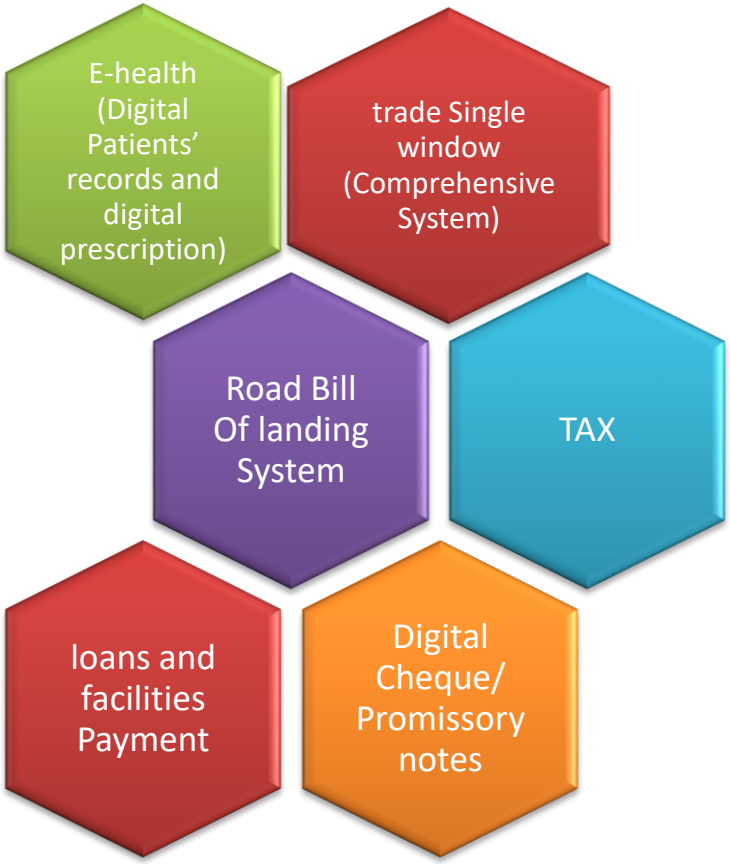
1. Update Certificate Policy (CP)-2

- Adding Encryption and System Certificates to the list of different certificates issued by ICAs
- Updating security requirements for Hardware/software security modules in all levels
- Reducing CRL issuance and publications intervals
- Mandating ICAs to provide OCSP Services for all the certificates issued in all assurance levels

New Services/Organization Using Digital Certificates



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FUTURE PLANS

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Future Plans

Our Next Steps

- Development of an integrated system with the cooperation of private sector to produce electronic documents, digital signing of the documents and verification and validation of signed ones.
- Developing the use of Digital Signature in different areas such as custom services, educational services such as providing certificates,…
- Developing and Empowering of Intermediate CAs, especially private ICAs

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THANK YOU
FOR YOUR ATTENTION