



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF INFORMATION AND
COMMUNICATIONS TECHNOLOGY

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NATIONAL EXPORT CONGRESS 2020

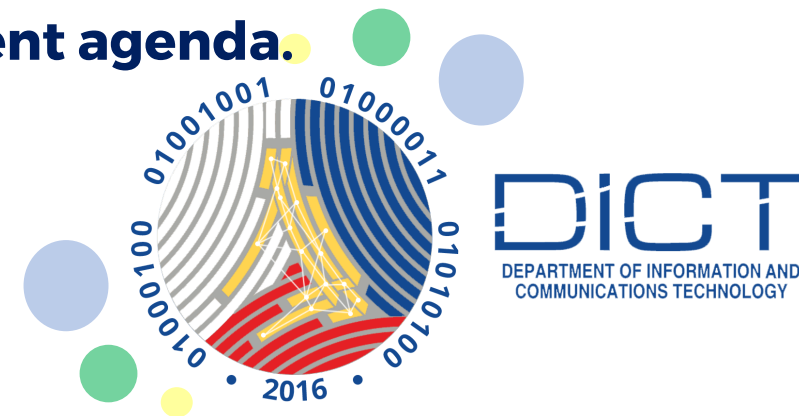
EMMANUEL REY R. CAINTIC
Assistant Secretary for Digital Philippines
3 December 2020



DICT MANDATE



The Department of Information and Communications Technology (DICT) shall be **the primary policy, planning, coordinating, implementing, and administrative entity** of the Executive Branch of the government that will plan, develop, and promote the **national ICT development agenda.**





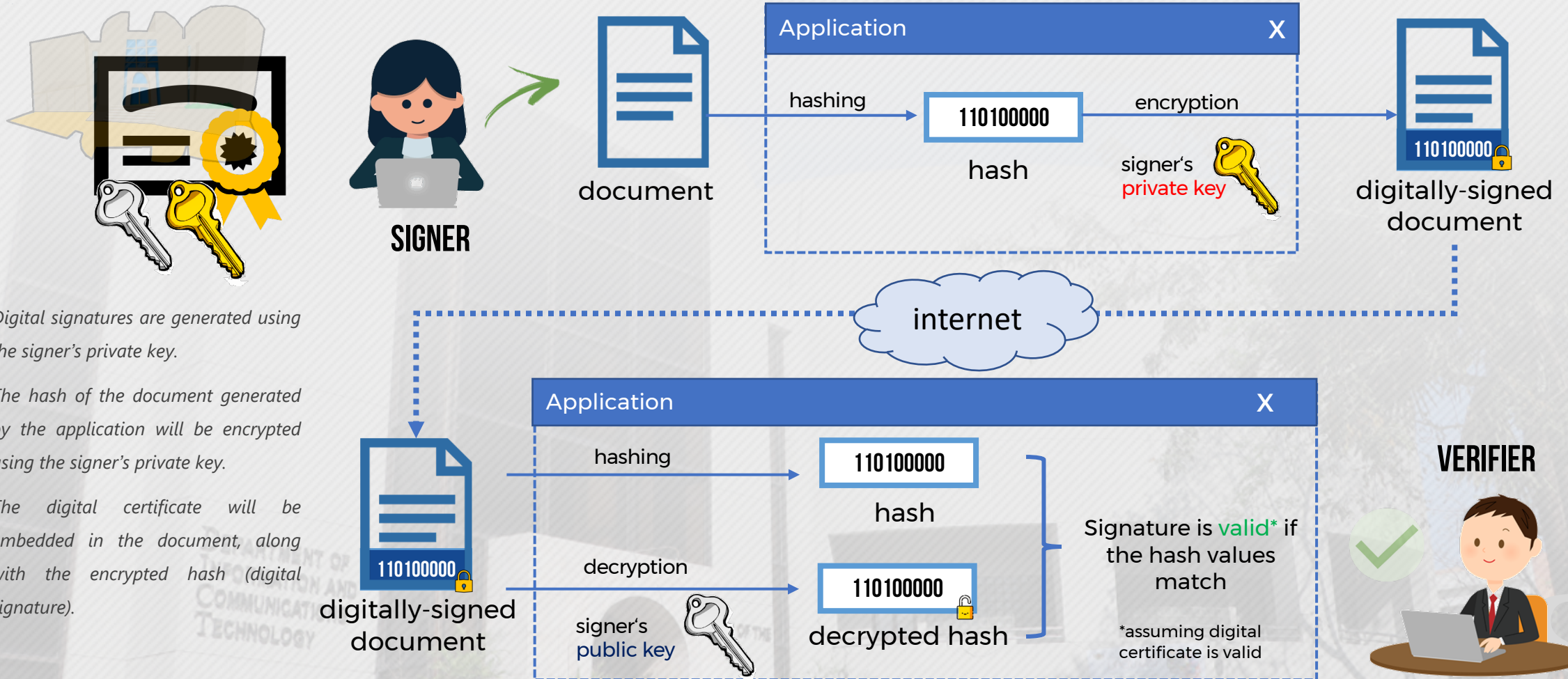
PHILIPPINE NATIONAL PUBLIC KEY INFRASTRUCTURE (PNPKI)

What is the Public Key Infrastructure (PKI)?

PKI is a system of processes, technologies, and policies that allows you to encrypt and sign data.

It facilitates the secure electronic transfer of information for a range of network activities such as e-commerce, internet banking and confidential email.

How digital signature works



Digital signatures are generated using the signer's private key.

The hash of the document generated by the application will be encrypted using the signer's private key.

The digital certificate will be embedded in the document, along with the encrypted hash (digital signature).



BENEFITS ON THE USE OF PNPKI

- Documents will be signed, certified, and routed virtually.
- Less human contact which results to reduction of red tapes.
- Reduce the cost of processing applications.
- Observance of confidentiality, of authenticity, and integrity of information.



Support the automation of ICT Programs OF BOC and Other Trade-related Agencies

- Connectivity for all the government agencies concerned
- TradeNet
- BOC's Automation
- BIR's IRIS Project
- Digital Transformation of FDA, DA, etc.



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THANK YOU AND STAY SAFE EVERYONE!

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