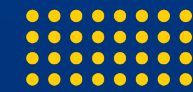


PNPKI

Implementation in the Government Sector



DICT
CYBERSECURITY
BUREAU

Ms. Jeniffer B. Canlas

Cybersecurity Bureau

Department of Information and Communications Technology

PNPKI

Philippine National Public Key Infrastructure

- One of the core services being offered by DICT
- Managed and operated by the government

WHO CAN AVAIL

- Government agencies and personnel
- Private individuals
- Government computers, servers and machines



PNPKI HISTORY

RA 8792 s. 2000

Electronic Commerce Act of 2000. A law that aims to promote electronic commerce by recognizing and validating electronic transactions and documents.

EO 810 s. 2009

It encourages government agencies to use digital signatures in their online services.



PNPKI HISTORY

RA 11032 s. 2018

Ease of Doing Business and Efficient Government Service Delivery Act of 2018 aims to make it easier and more efficient for businesses and individuals to interact with the government

COA Circular 2021-006

Guidelines on the use of electronic documents, electronic signatures, and digital signatures in government transactions



PNPKI SUBSCRIBERS

2019 - 2024



DICT
DEPARTMENT OF INFORMATION AND
COMMUNICATIONS TECHNOLOGY



PNPKI USE CASE

LOCAL GOVERNMENT

Successful integration of PNPKI in the Local Government Units (LGUs) in different regions

- Electronic City Records Management System
- Electronic Business One-Stop Shop (eBOSS)
- Human Resources Management Information System



PNPKI USE CASE

NATIONAL LEVEL

National Government Agencies (NGAs)

- Procurement-related documents
- Signing official documents, licenses and permits
- Risk-Based Capital Adequacy (RBCA) Reports
- Human Resources Management Information System



PNPKI USE CASE

ELECTION 2022

Commission on Elections (COMELEC)

National and Local Elections (NLE) 2022

Issued:

- Electoral Boards and Board of Canvassers
- 300,000 personnel of Department of Education

Purpose:

- Digitally sign election returns generated by vote-counting machines (VCMs)



PNPKI SUPPORT

NCSP 2023-2028

National Cybersecurity Plan - comprehensive strategy designed to protect the Philippines' cyberspace from various threats and vulnerabilities

OUTCOME 1

The State, and its People in cyberspace is proactively protected and secured.

OUTCOME 2

Cybersecurity workforce capabilities increased.

OUTCOME 3

Cybersecurity policy framework strengthened.



PNPKI SUPPORT

OUTCOME 3

Cybersecurity policy framework strengthened

Establish policies, guidelines and procedures for the use of trusted and secure crypto-primitives, elements and protocols cybersecurity

- Strengthening Trust and Confidence
- Promoting E-Government Services
- Enhancing PNPKI Infrastructure
- Raising Awareness and Education



THE FUTURE OF PNPKI

FOCUS AREAS

- Increased Adoption
- Expanded Use Cases
- Enhanced Security
- Integration with Other Systems
- International Cooperation



THANK YOU!

Asia PKI Consortium



DICT
CYBERSECURITY
BUREAU

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