Ministry of Science and Technology
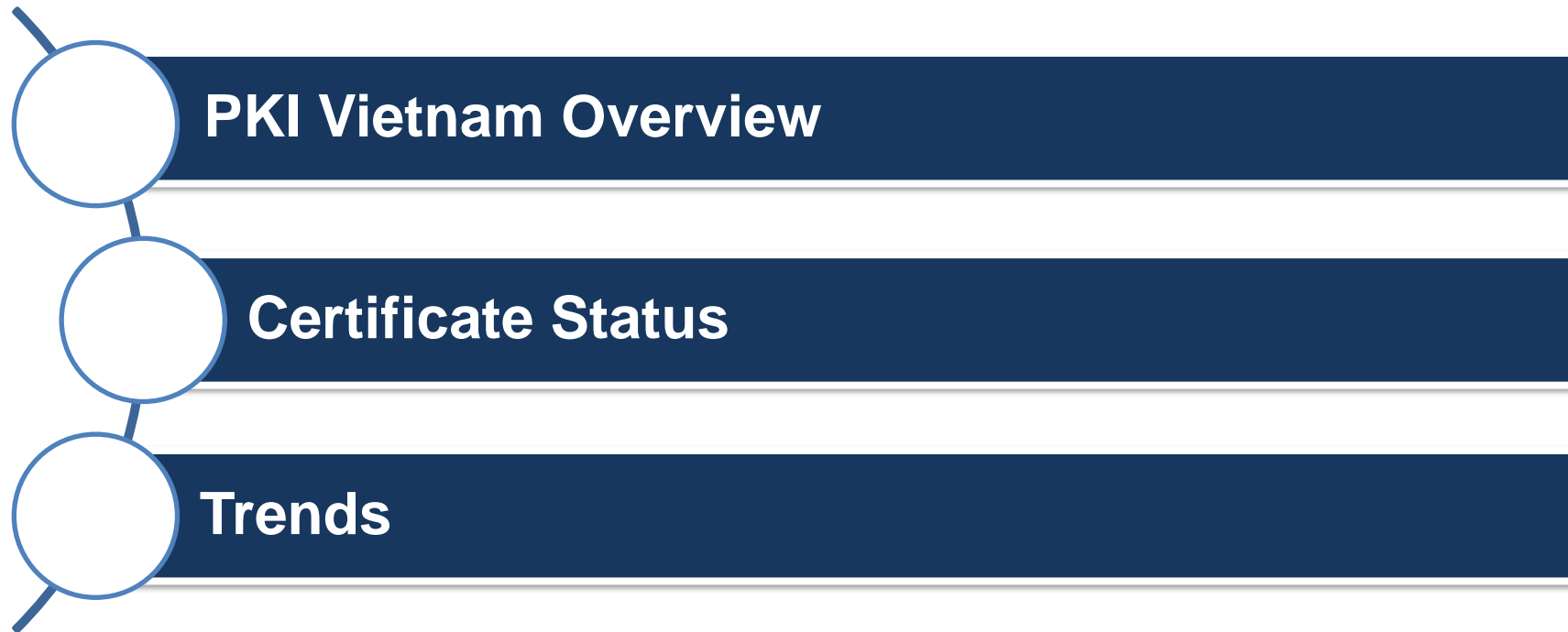
TRUNG TÂM CHỨNG THỰC ĐIỆN TỬ QUỐC GIA

NATIONAL ELECTRONIC AUTHENTICATION CENTRE

Viet Nam PKI Update

Metro Manila - Philippines, 2025

PRESENT CONTENTS

PKI Vietnam Overview

Certificate Status

Trends

1   PKI Vietnam overview

PKI related organizations

❖ Root CA:

- Managed by NEAC, Root CA performs role of operation information security infrastructure that includes electronic authentication and PKI based services.

❖ Public SubCAs:

- Providing digital certificate service in Vietnam.

- License issued by NEAC is required.

- Currently 25 public SubCAs received the license to provide digital certificate issuance services.

❖ Vietnam Government Root CA (VGCA):

- For government agencies and officials.

- Total number of active Government digital certificates in May 2025: 805,381 digital certificates, an increase of 11.94% over the same period in 2024 (719,441 digital certificates).
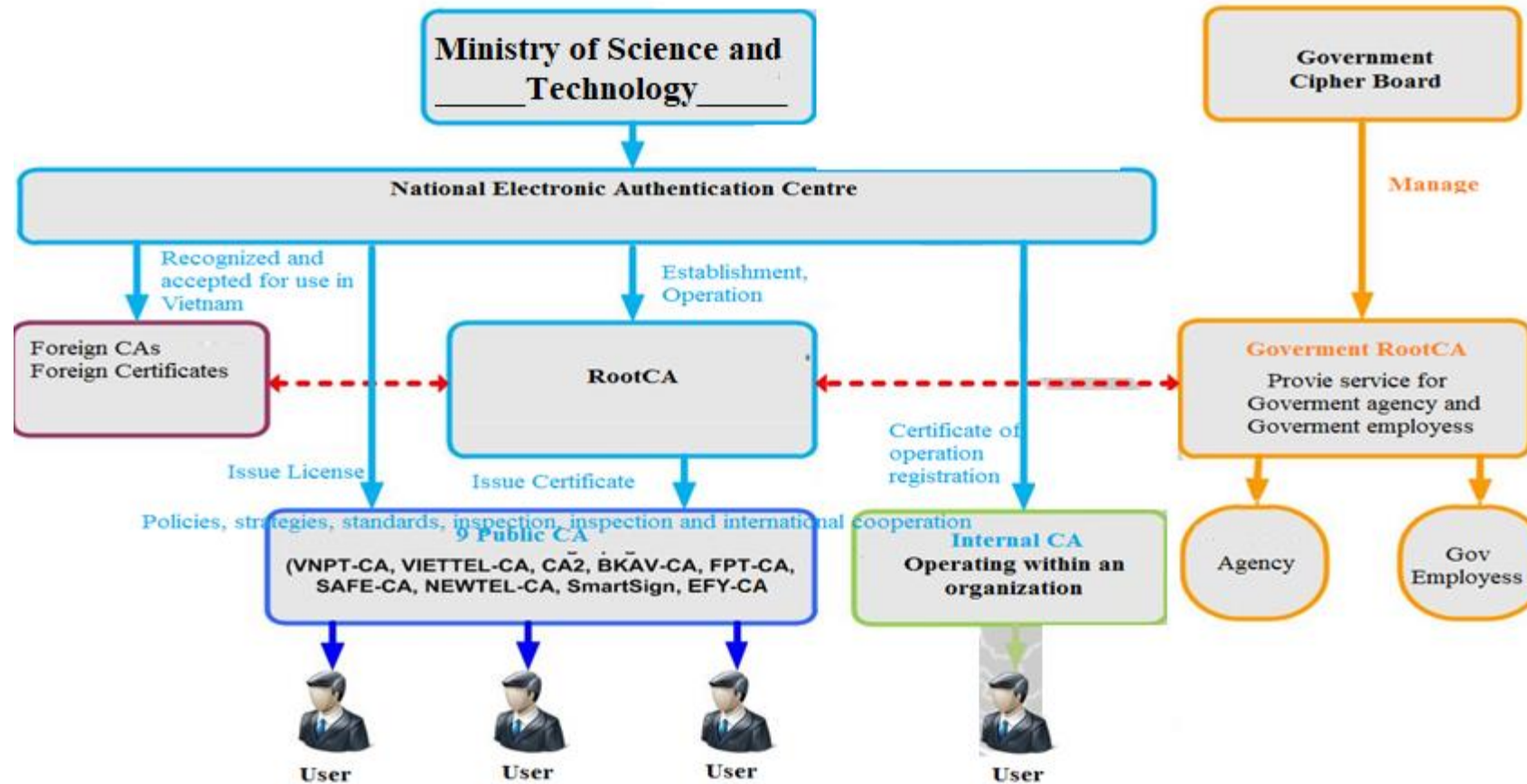
Resolution on the organizational structure of the Government

MINISTRY OF SCIENCE AND TECHNOLOGY

The National Electronic Authentication Centre (NEAC) is a public service unit under the Ministry of Science and Technology

Legal Framework

Subject	Contents
Law, Policy, Standards	- Law on Electronic Transactions 2023 (First Version 2005) - Decree No. 23/2025/ND-CP dated February 21, 2025 regulating electronic signatures and trusted services (First Version 2007)
	- Circulars guiding standards and regulations
	- Certification Practices Statements
PKI Model	Government PKI system (Government)
	National PKI system (Commercial)
PKI Applications	Electronic tax, Electronic customs, Electronic social insurance, ...

Circulars/regulations in the management of trusted services in Vietnam include:

- Recognition of foreign electronic signatures and foreign electronic signature certificates in Vietnam;

- Technical standards for trusted services

- Technical requirements for digital signature software and digital signature verification software

- Interconnection between Government Root CA and National Root CA.
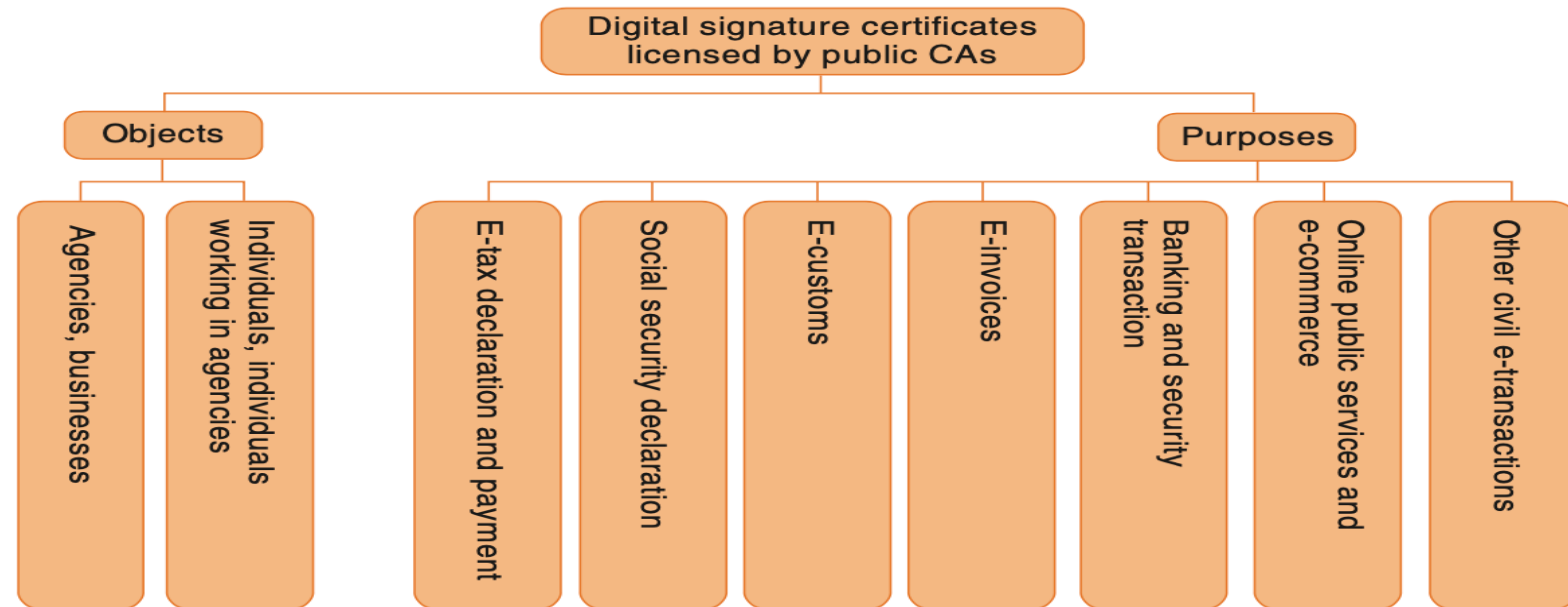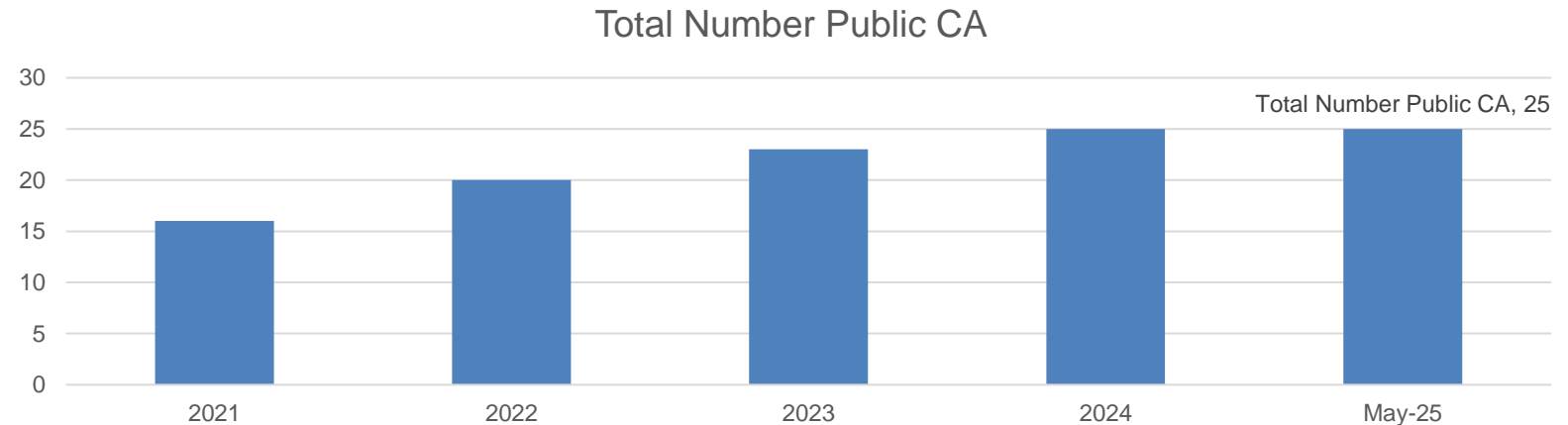
- Technical audits.

Certificate Status

Market & Services

❖ In May 2025:

- Total number public CA: 25 CAs
- CA that has remote signing service: 13 Cas

❖ Main purposes of digital signatures:

- Tax declaration.
- Social insurance claiming.
- Customs declaration.

Total Number Public CA

Total Number Public CA, 25

Year	Value
2021	16
2022	20
2023	23
2024	25
May-25	25

Digital signature certificates licensed by public CAs

Objects
- Agencies, businesses
- Individuals, individuals working in agencies

Purposes
- E-tax declaration and payment
- Social security declaration
- E-customs
- E-invoices
- Banking and security transaction
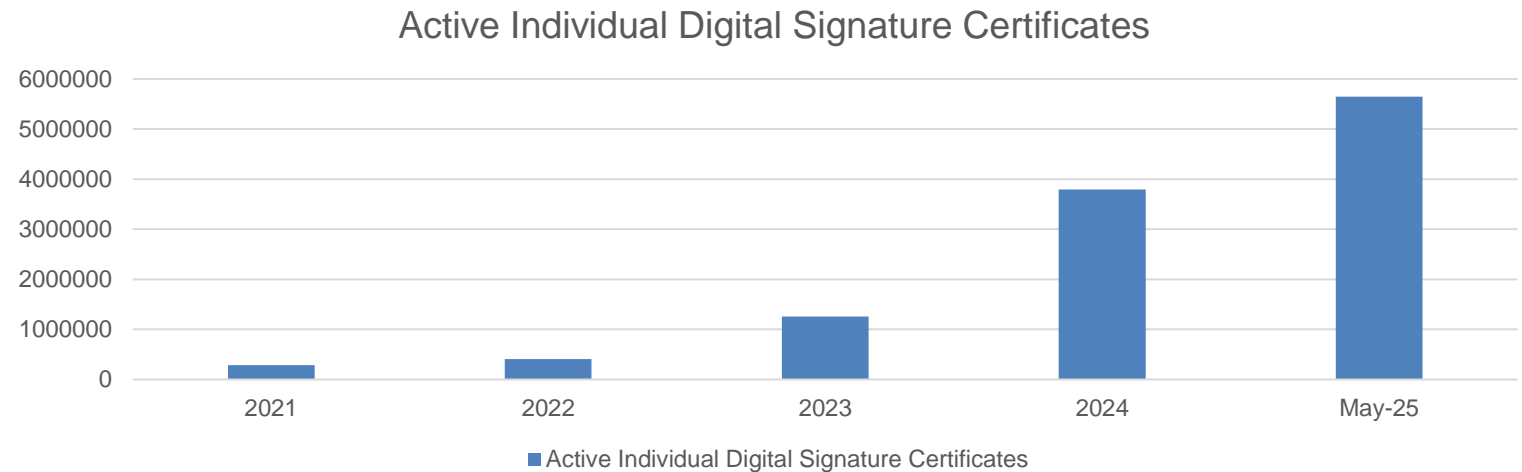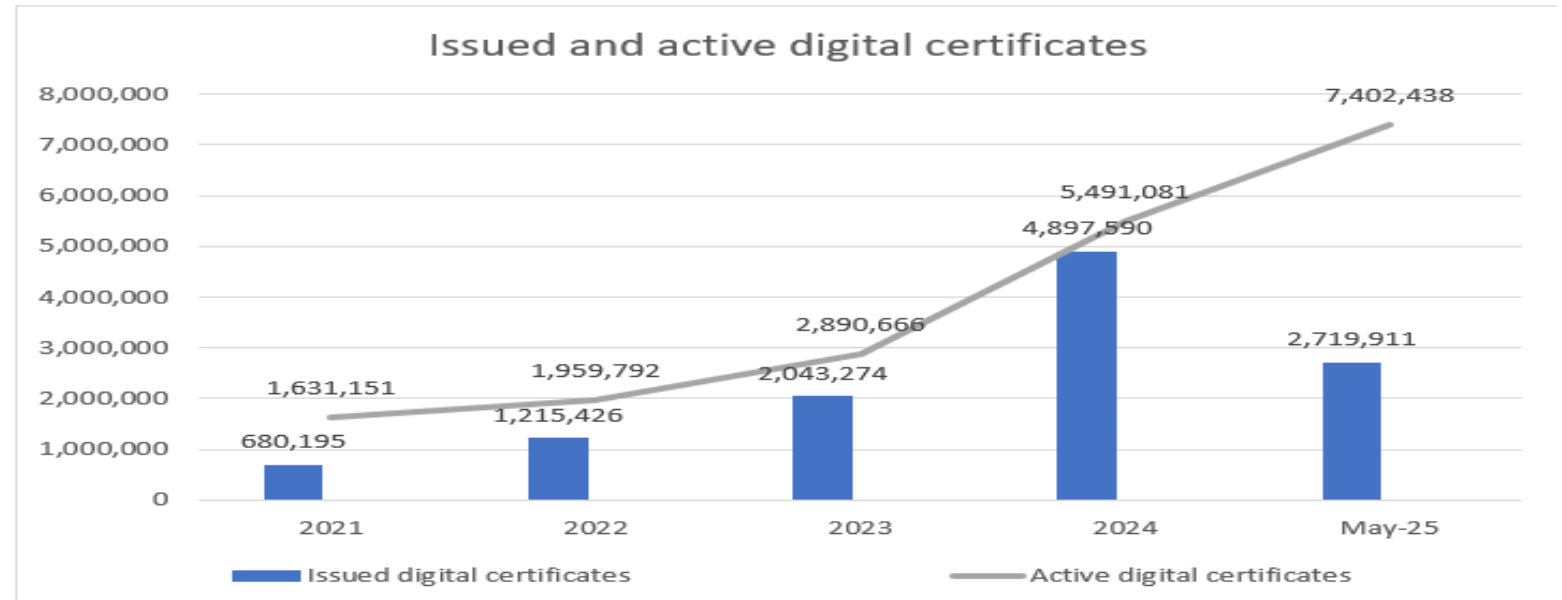- Online public services and e-commerce
- Other civil e-transactions

Public digital signatures

❖ Total number of public digital certificates issued by the end of April - 2025: **16,258,905 digital certificates**, an increase of 84.73% over the same period in 2024 (8,801,083 digital certificates).

❖ Approximately 2.71 million public certificates already issued (April - 2025).

Number of active public certificates in the period of 2021- 2025
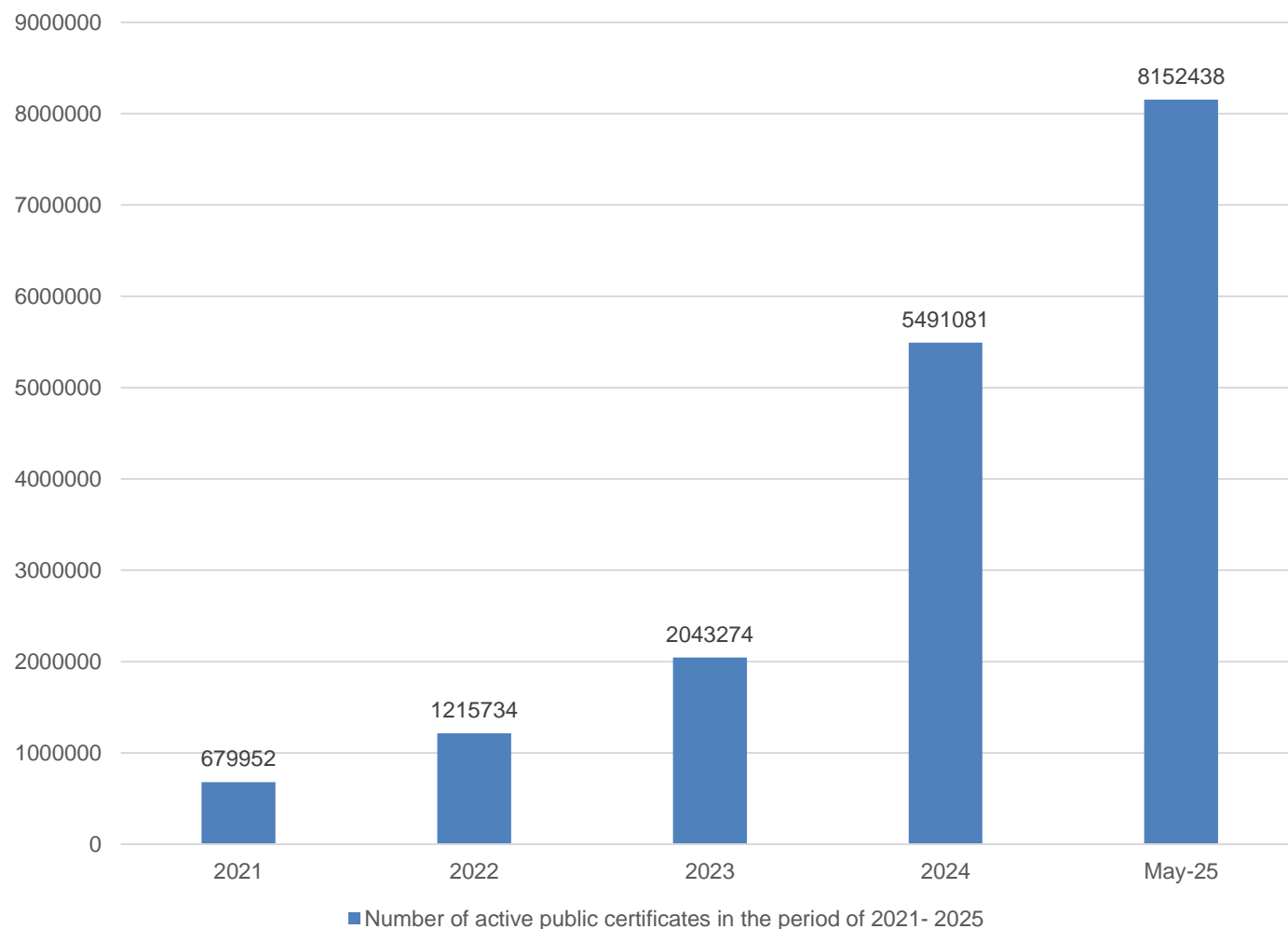
Public digital signatures

❖ 8.15 million public certificates have been activated, an increase of 150.14% over the same period in 2024 (3,259,066 digital certificates).

❖ Percentage of adult population with digital signature: 27.7%

❖ Customers set: legal entities, end-entities (individual customers).

Issued and active digital certificates

Issued digital certificates: 680,195 (2021), 1,215,426 (2022), 2,043,274 (2023), 4,897,590 (2024), 2,719,911 (May-25)

Active digital certificates: 1,631,151 (2021), 1,959,792 (2022), 2,890,666 (2023), 5,491,081 (2024), 7,402,438 (May-25)

Active Individual Digital Signature Certificates

Trends/ Orientation

3

The Government of Vietnam determines that the development of digital government and digital commerce is associated with information security, enhances transparency, improves service quality, and brings satisfaction to the people.

- Develop remote signing and mobile PKI
- Prioritize the development of personal digital signatures
- Expanding application scope: E-payment, e-banking, ...
- Application to electronic citizen identification
- Building trust service portal for integrating with all public and private services, to promote the use of digital signature.

Thanks for your attention!