



BỘ THÔNG TIN VÀ TRUYỀN THÔNG

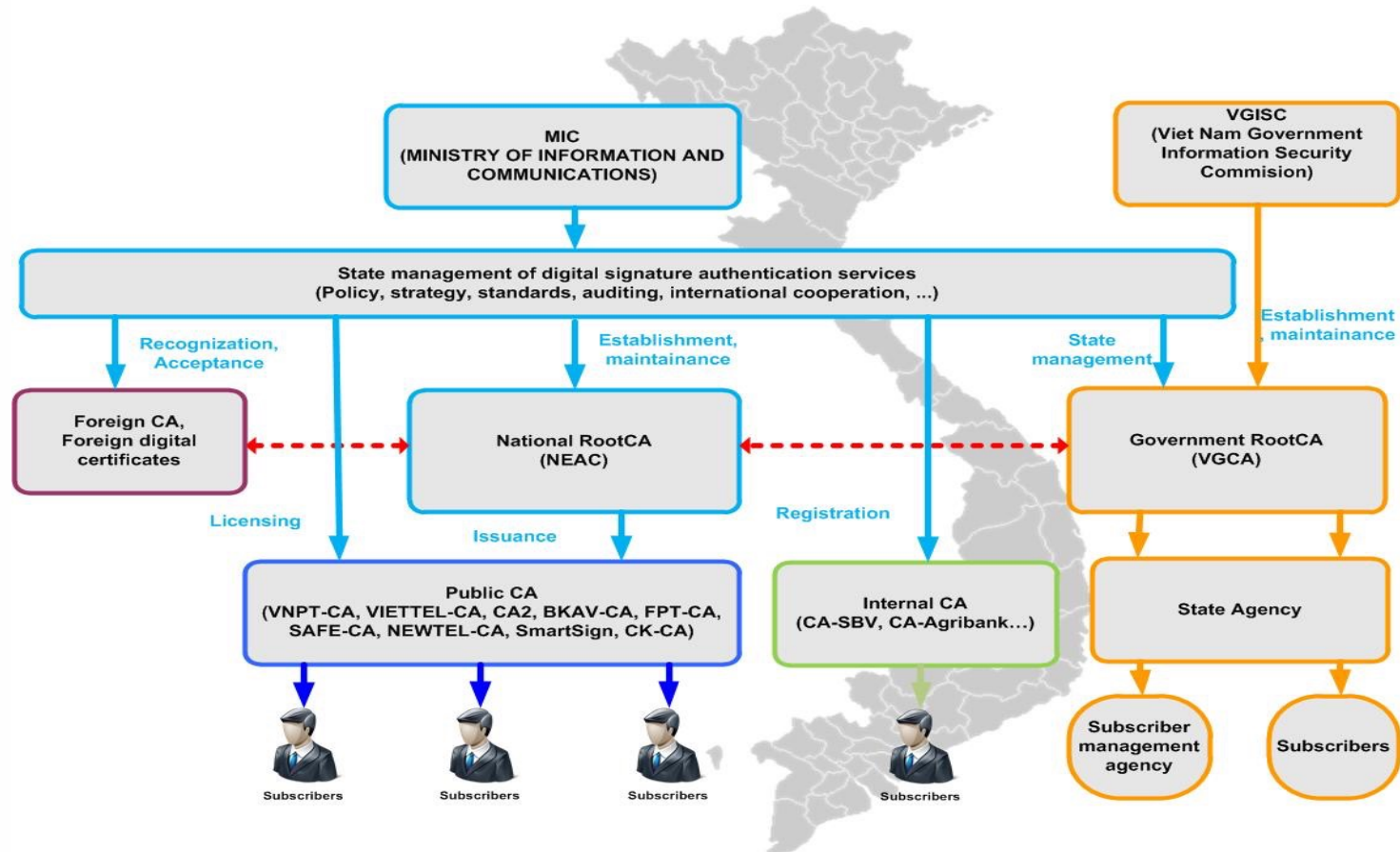
TRUNG TÂM CHỨNG THỰC ĐIỆN TỬ QUỐC GIA

NATIONAL ELECTRONIC AUTHENTICATION CENTRE

Viet Nam PKI Update

SINGAPORE, 2024

Viet Nam PKI Scheme



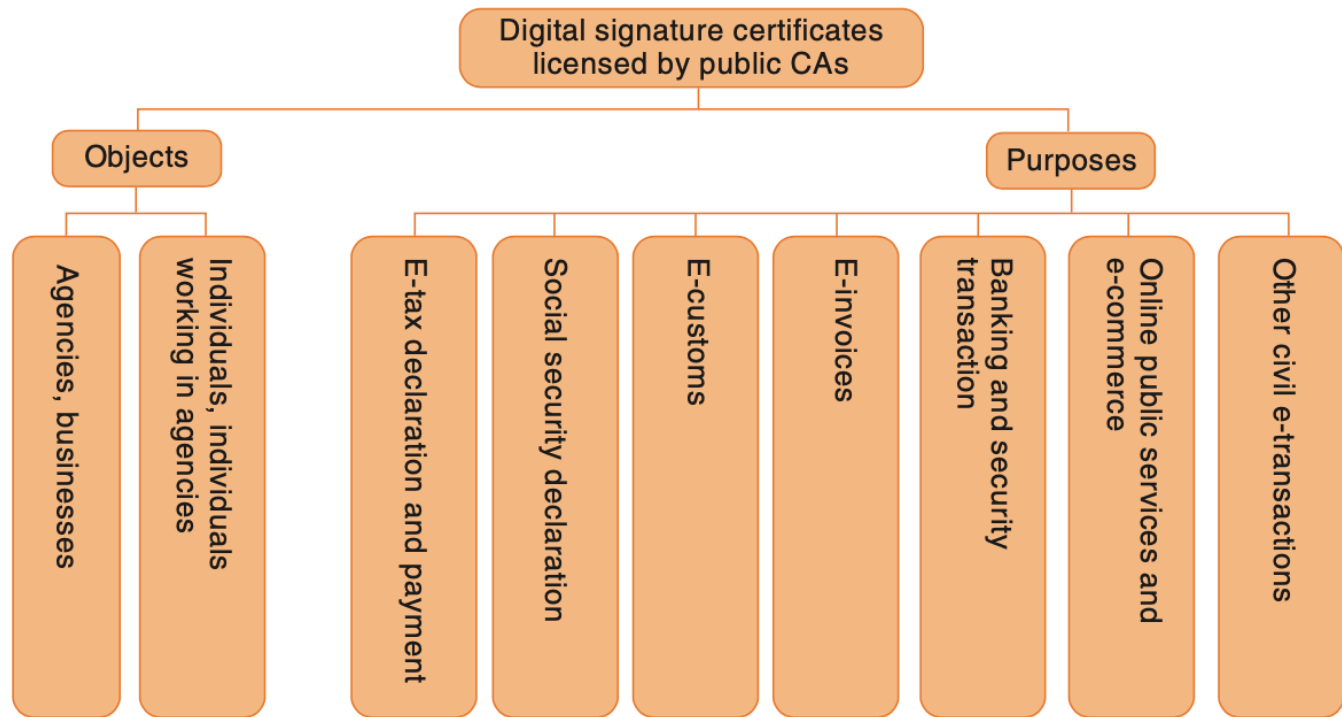


Legal Framework based

1. Law on Electronic Transactions 2023 (The law takes effect from July 1, 2024);
2. Decree on electronic signatures 130/2018/NĐ-CP in 2018 (The MIC has been submitting a revised version of this decree to the Government for approval);
3. Circulars guiding standards and regulations.

Market & Services

- ❖ By the end of 2023)
 - Total number public CA: 25 CAs
 - Total of active public digital certificate: 2.89 million
- ❖ Main purposes of digital signatures:
 - Tax declaration.
 - Social insurance claiming.
 - Customs declaration.



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:

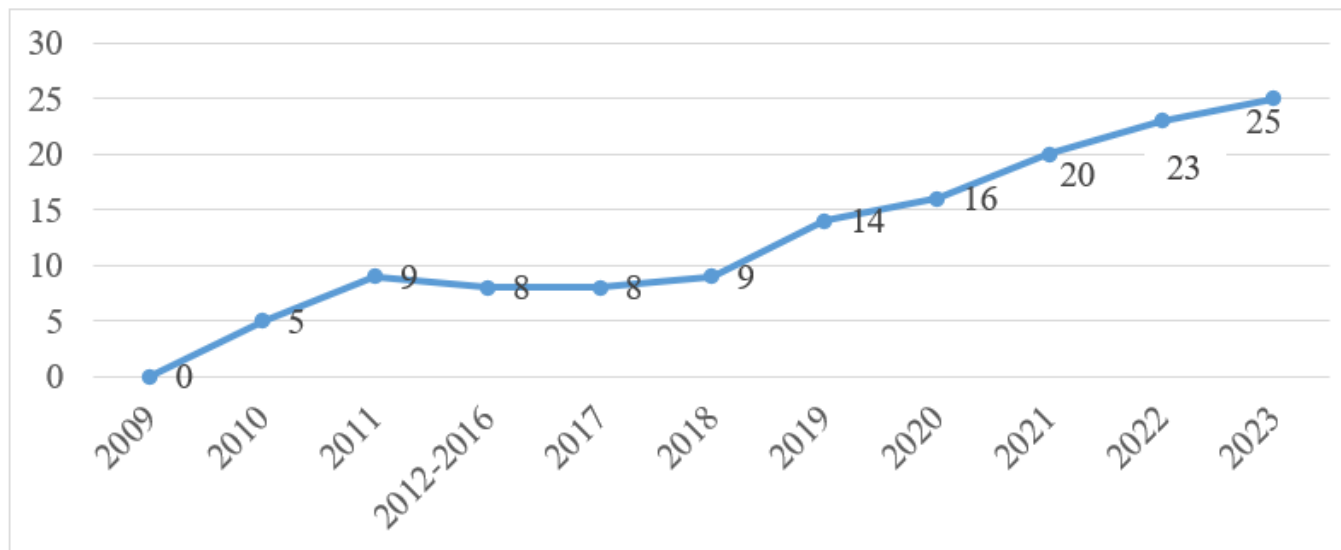
- Providing digital certificate service in Vietnam.
- License issued by NEAC is required.
- Currently 25 public SubCAs received the license to provide digital certificate issuance services.

❖ Vietnam Government Root CA (VGCA):

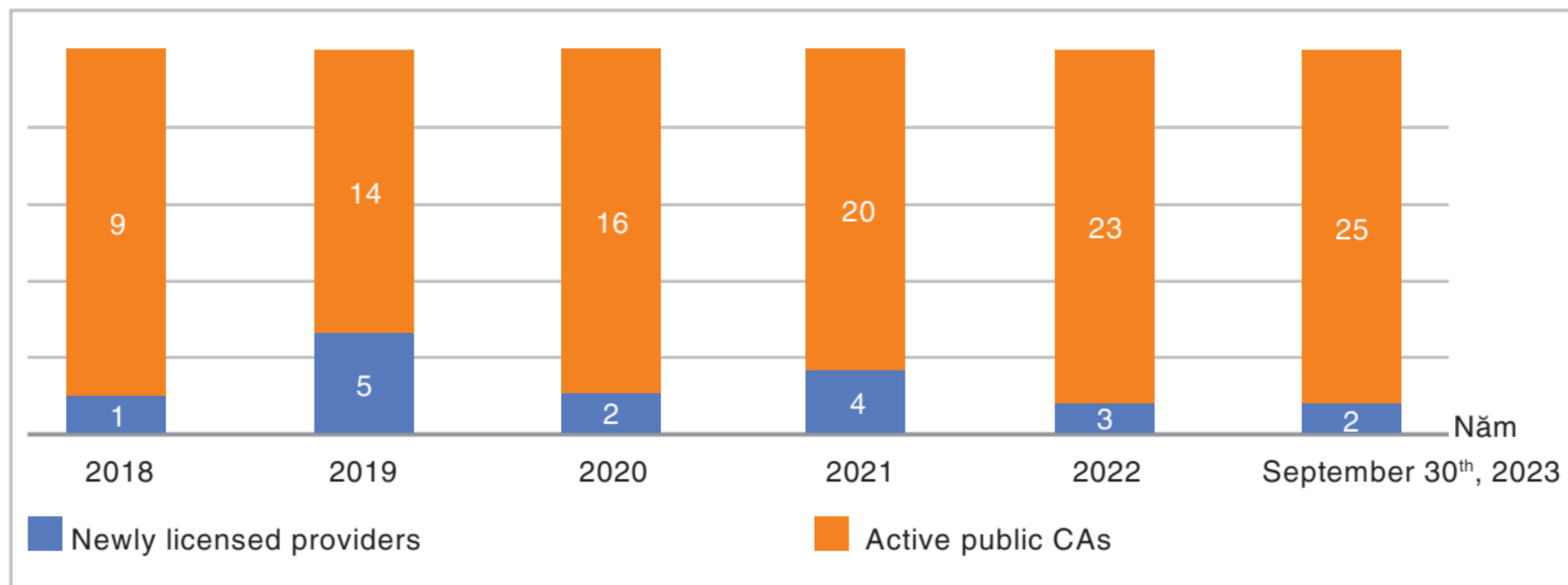
- For government agencies and officials.

Public digital signatures

- ❖ Public digital signatures in Viet Nam: 25 Public CAs.
- ❖ CA that has remote signing service: 10 CAs.

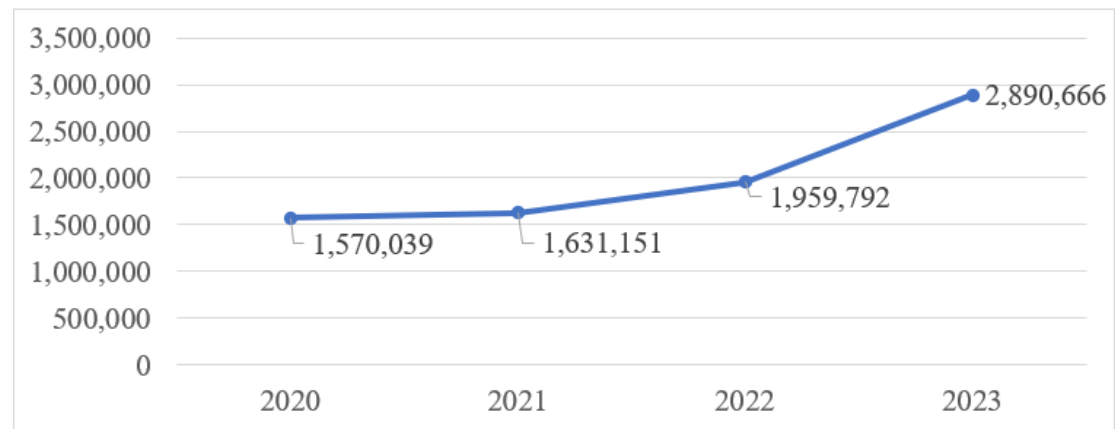


Public CAs Licensing, 2018 up to now



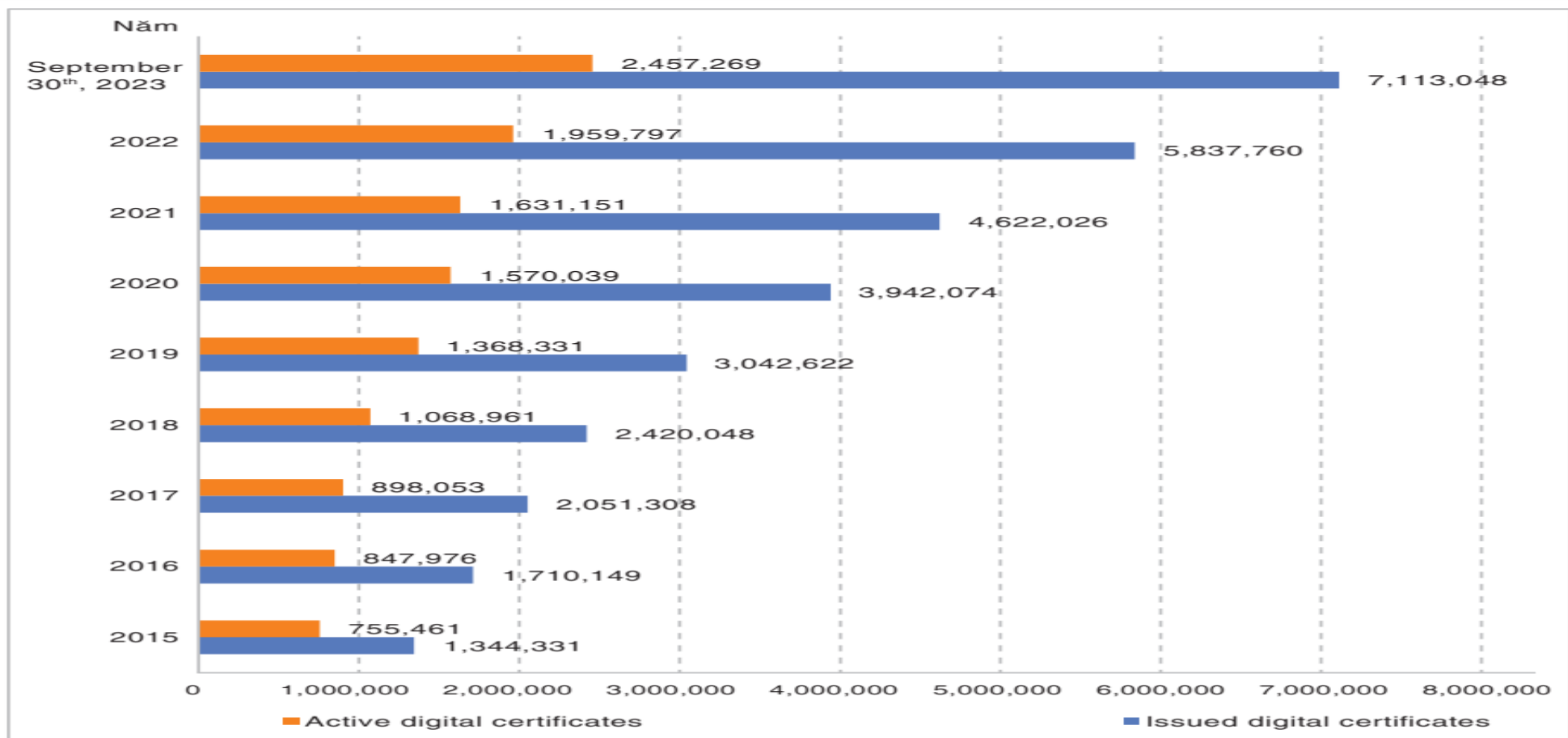
Public digital signatures

- ❖ Approximately 7.8 million public certificates already issued.
- ❖ 2.89 million public certificates have been activated.
- ❖ Customers set: legal entities, end-entities (individual customers).
- ❖ Main purposes of digital signatures:
 - Tax declaration.
 - Social insurance claiming.
 - Customs declaration.
 - ...

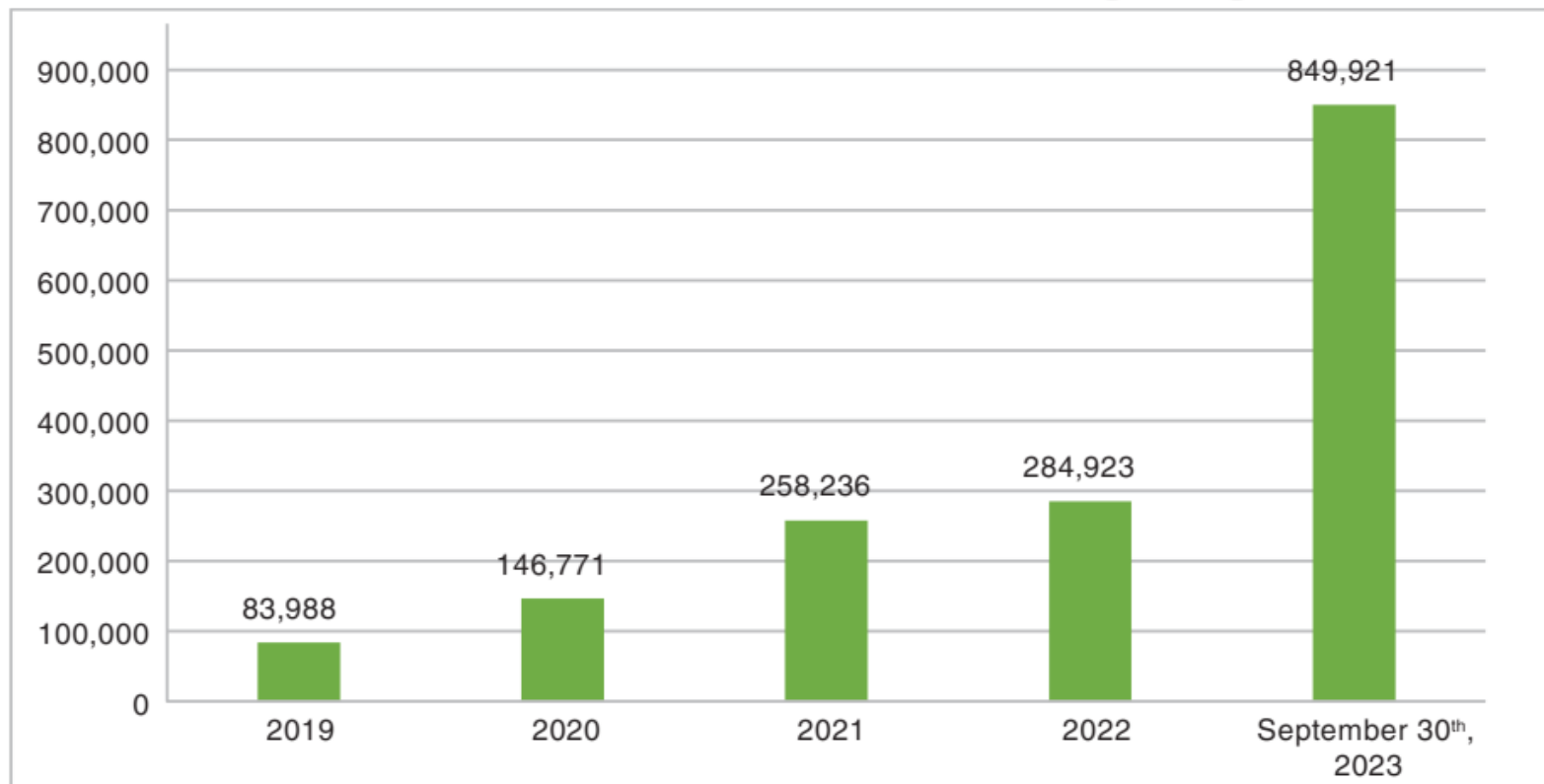


Number of active public certificates in the period of 2020- 2023

Issued and active digital certificates

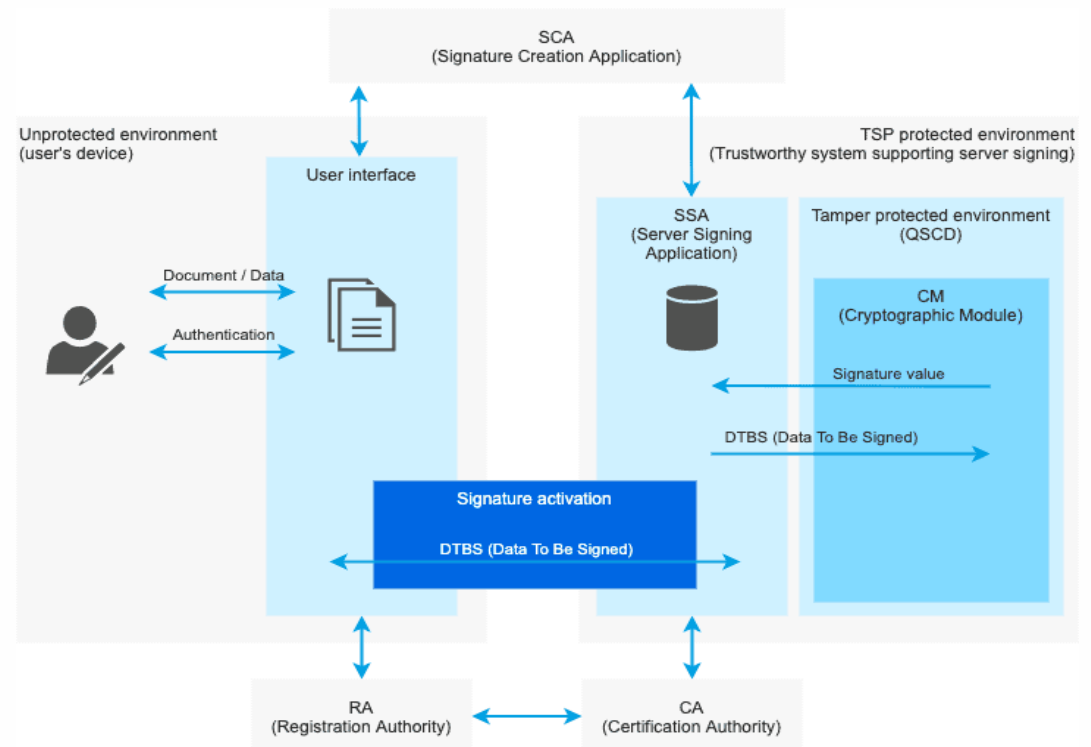


Active Individual Digital Signature Certificates



Forms of digital signature in Vietnam

- ❖ USB token.
- ❖ Remote signing: eIDAS compliance.
- ❖ SIM PKI.





Thanks for your attention!

