

NATIONAL CERTIFICATION AUTHORITY OF SRI LANKA

Progress Update · Asia PKI Consortium (APKIC) 2026

Presented by Sri Lanka CERT|CC



Overview of the NCA



National Root CA of Sri Lanka

The apex of the country's digital trust hierarchy. Operated by Sri Lanka CERT|CC - the national ROOT CA on behalf of the Government of Sri Lanka



Statutory mandate

Established under the Electronic Transactions Act No. 19 of 2006 (as amended)



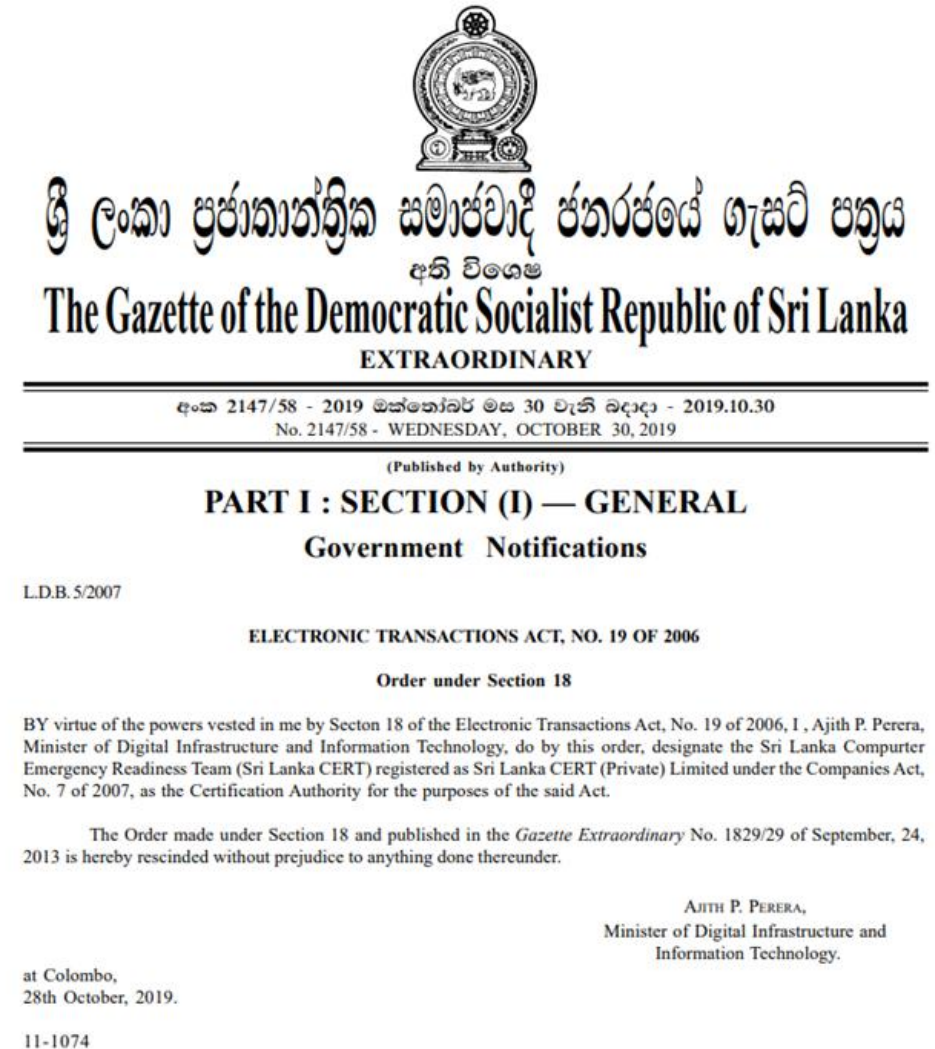
Governs Certification Service Providers

Licenses, regulates and standardises CSPs operating in Sri Lanka

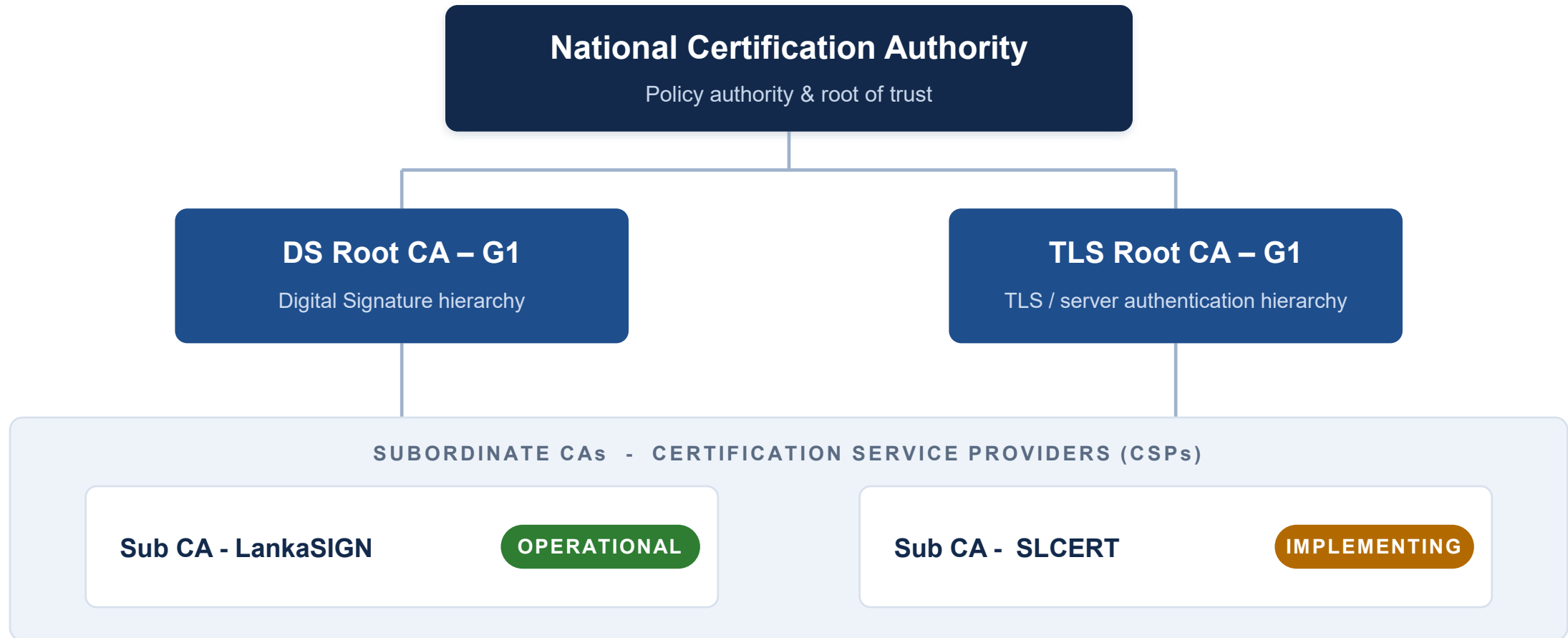


Operates the national PKI

Runs the Root CA infrastructure underpinning the national Public Key Infrastructure



National PKI Architecture



Both Root CAs were generated at independently audited Key Generation Ceremonies.

Sri Lanka Unique Digital Identity (SLUDI) Integration



The Sri Lanka Unique Digital Identity (SLUDI) project is a national initiative to establish a secure, biometric-backed digital identity system for all citizens.

Role of PKI in SLUDI

- Secure authentication using digital certificates.
- Enable legally recognized digital signatures.
- Protect data integrity and confidentiality.
- Support trusted online government services.
- Strengthen the national digital trust ecosystem through the NCA Root CA.

Progress Since APKIC 2025



Key Generation Ceremonies completed

KGCs conducted for both the DS Root CA - G1 and TLS Root CA - G1, each followed by an independent audit



WebTrust seals achieved

WebTrust for Certification Authorities assurance obtained (CA, BR-TLS and Network Security)



First Subordinate CA onboarded

The first Sub CA was successfully onboarded under the NCA Root CA hierarchy



Root certificates registered in CCADB

NCA Root Certificates registered in the Common CA Database used by major root programs



Root inclusion requests submitted

Applications lodged with Adobe, Apple, Chrome, Microsoft and Mozilla trust stores

The Road Ahead



01

Operationalize the NCA Sub CA

Bring the SLCERT-operated Subordinate CA into live production service



02

Maintain WebTrust compliance

Sustain annual WebTrust audits for both the Root CA and Sub CA



03

Launch Time Stamping Services

Implement a national Time Stamping Authority (TSA) for long-term signature validity



04

Complete trust store inclusion

Achieve production inclusion of the NCA Root Certificates in all major public trust stores

Thank You

Building a trusted digital Sri Lanka - together with the Asia PKI community.



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<https://nca.gov.lk>