Asia PKI Consortium

TRUSTGATE
SECURE TRANSACTION. TRUSTED BUSINESS

Asia Digital Trust Summit 2026

SRILANKA

12 November 2026

Bangladesh · Bhutan · China · Hong Kong · India · Indonesia · Iran · Japan

Malaysia · Maldives · Myanmar · Nepal · Phillipines · Saudi Arabia · Singapore

South Korea · Sri Lanka · Taiwan · Thailand · VietNam



UPDATE FROM

MSC TRUSTGATE

Company Profile

MSC Trustgate is a licensed Certification Authority (CA) regulated by MCMC. We are trusted to issue and manage digital certificates using Public Key Infrastructure (PKI). Our certificates are legally recognized under Malaysia's Digital Signature Act 1997 and Regulation 1998, giving legal validity to all digitally signed documents.



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Our Digital Trust Products and Services

TRUSTGATE

01 Digital Identity

- Confirm user identity

02 Digital Certificates

- Establish trusted credentials

03 Digital Signatures

- Protect document authenticity

04 Timestamping

- Record a trusted date and time

05 PKI Software

- Manage certificate operations



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MSC Trustgate PQC Roadmap vs Malaysia National PQC Migration Plan

✔ **MSC Trustgate positioned 1–2 years ahead** through early sandbox testing and hybrid PKI deployment

Timeline	2025				2026				2027	2028	2029	2030	2031	2032	2033	2034	2035
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4									
Global standards	**ENISA:** RSA >3000-bit considered legacy; usable only until **31/12/2025**								**NIST:** deprecates RSA-2048 and ECC 256 by **2030**				**NIST:** disallows RSA-2048 and ECC 256 by **2035**				
MSC Trustgate roadmap	Assess				Select	Validate			Deploy				Monitor				
						PQC Root CA Key Ceremony 26 August 2026											
Malaysia national PQC plan	National PQC Migration Framework				National PQC Framework				Nationwide Migration Implementation				Continuous Improvement				
	PQC Sandbox Initiative				Migration Pilot Testing & Validation				Quantum Safe Standby								

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PQC Key Ceremony

26th August 2026



- Launched **Malaysia's first PQC-based Root CA** on 26 August 2026 in Cyberjaya.
- Strengthened **national digital sovereignty and quantum readiness**, aligned with NACSA's cybersecurity objectives.
- Conducted a **secure, audited key ceremony** with strict multi-party controls.
- Used **NIST-standardised ML-DSA** with a **FIPS 140-3 Level 3 Thales Luna G7 HSM**.
- Established **PQC Root CAs** to support quantum-safe digital signatures, authentication, secure email (S/MIME), secure communications (TLS), and trusted time-stamping services for government, enterprises, and individuals.

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MyDigital ID

Digital ID Adoption

- MyDigital ID and Certificate Authorities (CAs) support Malaysia’s digital trust ecosystem in different but connected ways.
- MyDigital ID verifies trusted digital identity, while CAs provide secure digital certificates for legally recognized and trusted digital transactions.
- Together, they enable a safer, seamless, and compliant digital environment for the public and private sectors.



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MyDigital ID & Sarawak PASS

Digital ID Adoption

mydigitalID

SarawakPass
(Powered by SarawakID)

15M	Mydigital ID digital certificate issuance.
500k Users	Sarawak Pass for access to government digital services for Sarawakians



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JABATAN PERKHIDMATAN AWAM

JPA

Digital Certificates / Signatures

- **Secure e-Services** – Digital certificates verify user identity for online applications, HR records, and service-related transactions.
- **Paperless Approvals** – Officials sign appointment letters, approvals, and circulars electronically with legally recognized signatures.
- **Legal Compliance** – In line with Malaysia's Digital Signature Act 1997 for authenticity and non-repudiation.
- **Efficient Administration** – Speeds up government HR processes, reduces paperwork, and ensures document integrity.



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JABATAN PERKHIDMATAN AWAM

JPA
Success Story

✓ **Positioned JPA as a leader in secure, efficient, and transparent digital application processing for public service scholarships and loans.**

>200k	Onboarding user (digital signing since 2021)

- No need for JPA officers to visit universities to collect physical agreements.
- No physical storage space required for agreement documents



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Healthcare e-Prescription
Success Story

>1M	e-Prescription signed with digital signature

- To enable digital signature for digital healthcare platform in Malaysia that connects patients with healthcare professionals through teleconsultations and other online medical services.
- It enables patients to access healthcare conveniently, including online consultations, medical prescriptions and healthcare-related services



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THANK YOU

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