



MSC Trustgate: Strategic Progress & Regional Trust Initiatives

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Chief Operating Officer

MSC Trustgate Incorporation

MSC Trustgate is a licensed Certification Authority (CA) in Malaysia with over two decades of operational excellence. Core technology partner providing high-assurance PKI and digital signature solutions across public and private sectors. Our certificates are legally recognized under Malaysia's Digital Signature Act 1997 and Regulation 1998, giving legal validity to all digitally signed documents.



MSC Trustgate PQC Migration Roadmap 2025 - 2030

ENISA:
RSA > 3000 bit considered
legacy and may only be used
until **31/12/2025**

NIST:
Deprecates RSA-2048
and ECC 256 by **2030**

NIST:
Disallowing RSA-2048
and ECC 256 by **2035**

PQC Roadmap	2025	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027	2028	2029	2030	2031	2032	2033	2034	2035
TRUSTGATE	Asses		Select	Validate	Deploy					Monitor				
	National PQC Migration Framework	National PQC Frammework				Nationwide Migration Implementation				Continuous Improvement				

Unifying National Trust: The Malaysia PKI Forum

- **Professional Platform:** Establishing a unified ecosystem to strengthen national PKI governance.
- **Harmonization & Standards:** Aligning certificate profiles, policy frameworks, and operational practices across stakeholders.
- **Interoperability:** Facilitating cross-sector technical interoperability across government, enterprise, and industry.
- **Strategic Facilitation:** Serving as an expert bridge between CAs, regulators, and regional bodies like APKIC to support cross-border digital trust.



Bridging Decentralized Digital Identity & Traditional PKI



- Honoured with top recognition in an international vLEI hackathon
- Exploring hybrid identity architectures that bridge verifiable credentials (vLEI/DID) with traditional, high-assurance X.509 PKI infrastructure.
- Enabling verifiable organizational identity for cross-border trade, corporate governance, and digital signing.
- Engaging with global stakeholder groups (including GLEIF and international browser/CA forums) to advocate for open, interoperable trust frameworks.

Partnering for Asia's Digital Trust Future

Key Takeaways

Proven Operations: Over two decades of high-assurance PKI delivery and active international compliance (CA/B Forum, WebTrust)

Quantum Readiness: Leading national readiness with our live PQC Sandbox and upcoming production PQC Root CA issuance.

National Alignment: Unifying local trust through the newly established Malaysia PKI Forum (MyPKIF).

Future-Proof Innovation: Bridging traditional X.509 PKI with decentralized identity & vLEI architectures.

Call for Regional Synergy

- Open for cross-border PQC testing, sandbox trials, and identity interoperability pilots with APKIC member bodies.

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