

Building Trusted Ecosystem & Moving towards Mutual Recognition

Asia PKI Consortium



The Consortium



Established in June 2001



Securing electronic transactions across Asian Countries



Popularization of PKI and Public Key Cryptography



Strong representation from Government and Private enterprises



12+ Country/Economy memberships



Registered Office in Hong Kong

Major Objectives

SECURE ELECTRONIC TRANSACTIONS

Adoption

Awareness

Interoperability

Mutual Recognition

PUBLIC KEY INFRASTRUCTURE



Bangladesh



China



Hong Kong



India



Iran



Malaysia



Japan



Saudi Arabia



South Korea



Taiwan



Thailand

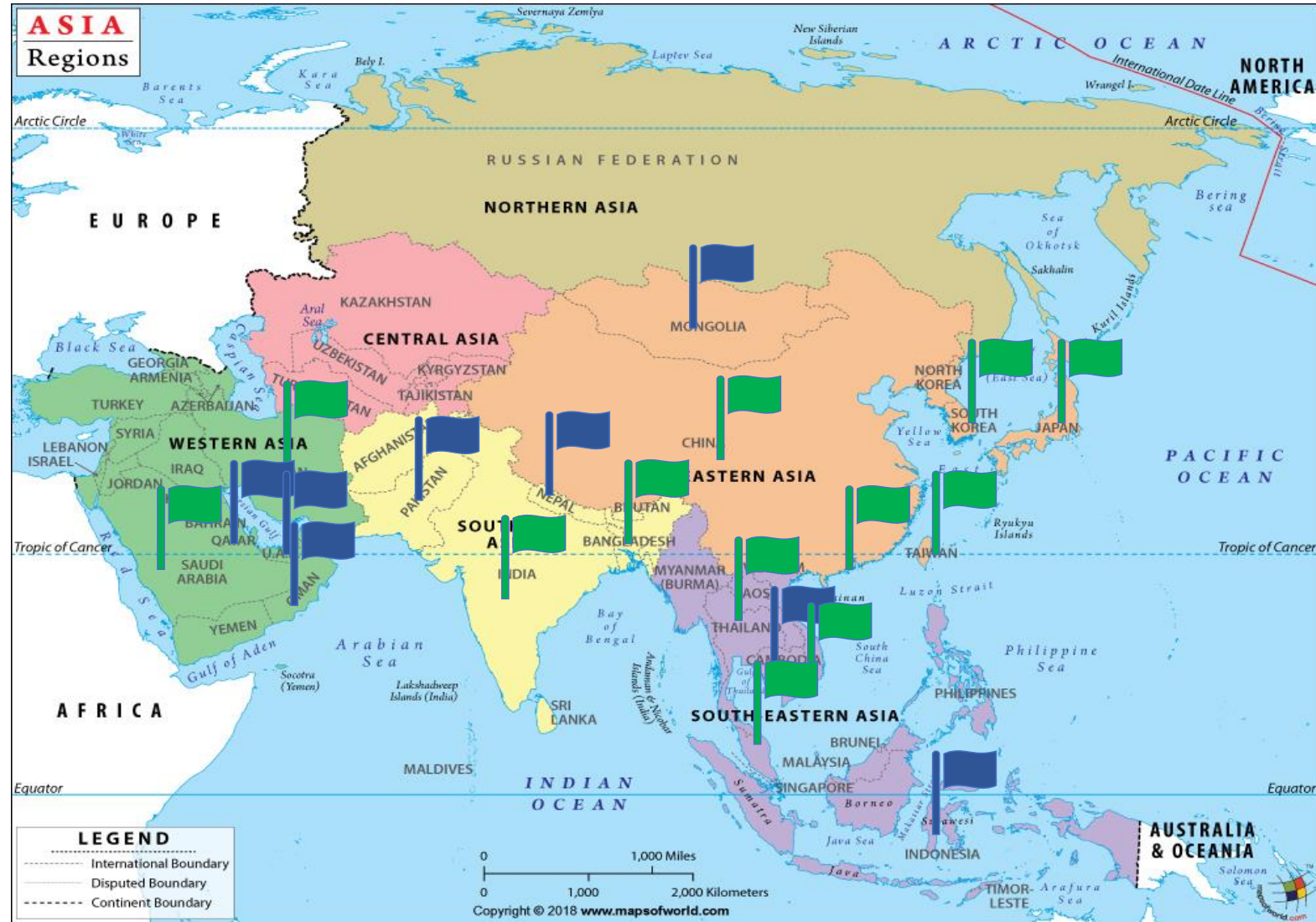


Vietnam

The Introduction

- Asia PKI Consortium is an Organization setup towards adoption and awareness of PKI / Cryptographic technologies across its member economies, thus working towards securing the electronic transactions by active participation of Regulators, Trust Service Providers and the organizations working on research in this area, as well as organizations providing technology solutions.
- The objective of the consortium is also to promote interoperability among PKIs in countries/areas in the Asia/Oceania region and to strengthen digital ecosystem. Setup in the year 2001, the consortium has grown stronger over two decades and includes members from more than 12 countries with government and enterprise participation.
- The consortium has 3 major working groups including Business and Application working group, Legal & Policy working group, and Technology & Standards working group. These groups work continuously on their defined objectives and bring their works towards benefitting the member countries.
- The chair & vice chairs of the consortium are elected by its members, and is currently chaired by Mr. Venkatraman Srinivasan (India), along with the Vice Chairs from the region. This governing council holds annual and special meetings including Steering Committees and General Assemblies.

Membership Coverage



Key Members



Working Groups



Business Application Working Group (BAWG)

- *Chair: Ms. Karen Cheng, Taiwan*
- *Co-Chair: Mr. Vijay Kumar, India*



Legal & Policy Working Group (LPWG)

- *Chair: Mr. Gordon Szetu, Hong Kong*



Technology & Standards Working Group (TSWG)

- *Chair: Mr. Vijay Kumar, India*

Working Groups

1. Business Application Working Group (BAWG)

Chair: Ms. Karen Cheng, Taiwan & Co-Chair: Mr. Vijay Kumar, India

1. To resolve cross-domain & cross-region issues
2. To promote the exchange and collaboration between members
3. To explore and enrich the information applications & IT-enabled services

2. Legal & Policy Working Group (LPWG)

Chair: Mr. Gordon Szetu, Hong Kong

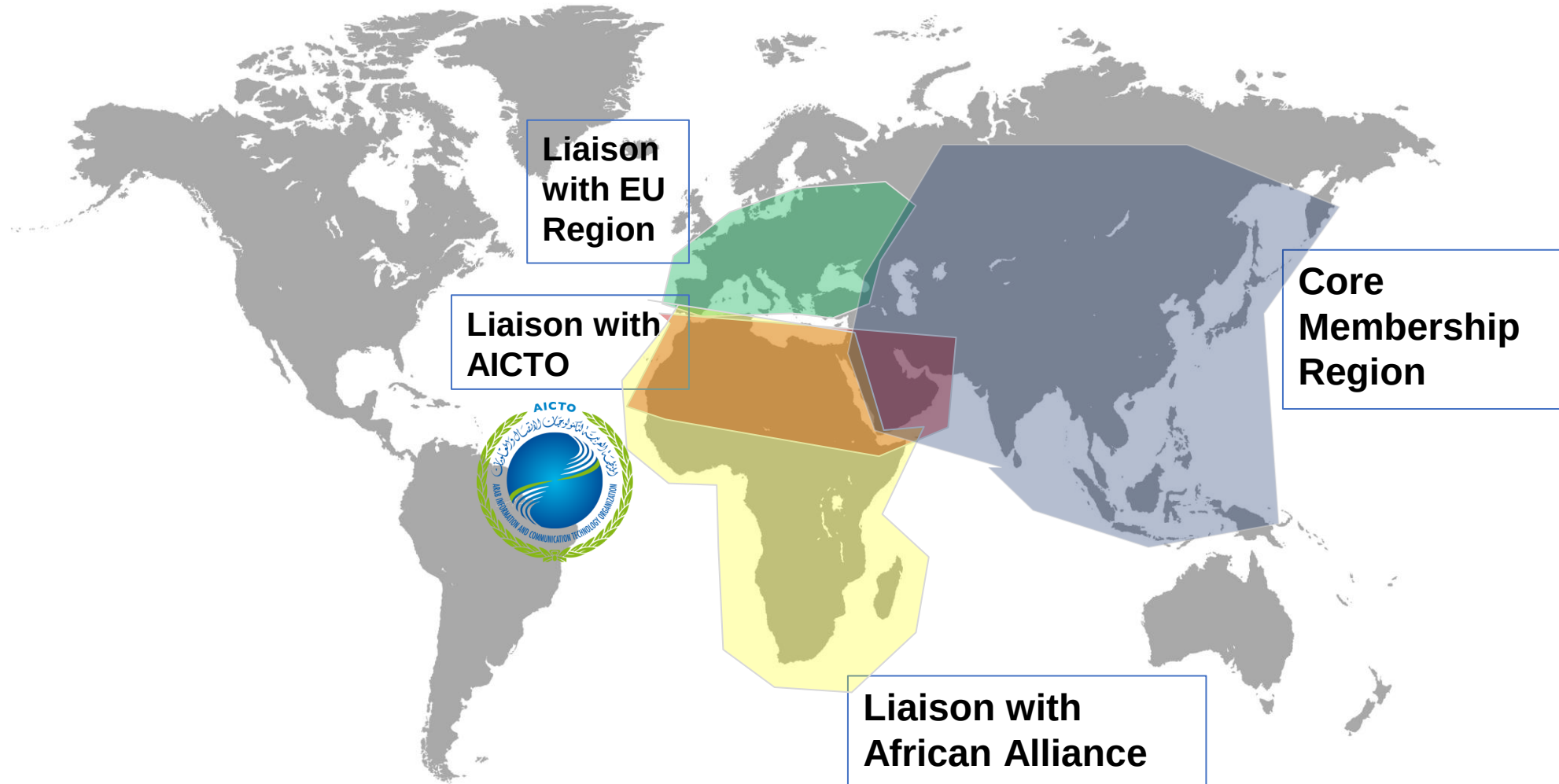
1. To influence interoperability initiatives
2. To collaborate with government and related industries
3. To produce policy papers and regulative awareness among the members.

3. Technology & Standards Working Group (TSWG)

Chair: Mr. Vijay Kumar, India

1. To standardize and make technological advancements.
2. To work on Public Key Cryptography, and the emerging technologies.
3. To help bring technological platforms together for the members.
4. To produce whitepapers and case studies

Global Cooperation Overview



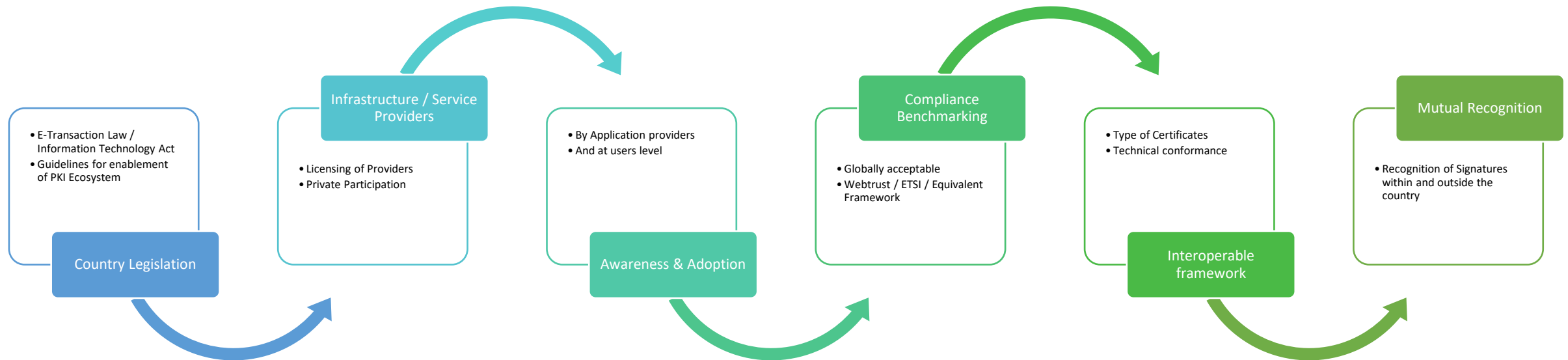
Key Activities conducted and anticipated work areas

1. Mutual Recognition Workshop
2. WHO Smart Vaccination Certificate Activity
3. PUF Security & PKI in IoT
4. Study on PKI implementation in 5G Technology
5. Cyber Security & PKI
6. PKI Adoption Study in Asian Countries Report
7. Secure Digitization Study - Azerbaijan
8. ETSI ESI - Globalization of Trust Services
9. PKI based cross-border e-Services in the Digital Trade Hub
10. Application of Digital Signature for Road Bill of Lading
11. Securing Banking Eco-System Through PKI
12. FIDO and PKI Whitepaper – Case Study and Recommendations
13. G20: Framework for Mutual Recognition of PKI & Digital Signatures between countries
14. Workshop on Web3 Security & a detailed study report
15. E-Authentication & Trust Services Arab Africa Region - Study paper
16. Trust Services in Asian countries - Study paper
17. Securing e-Transactions with MFA
18. IoT Security with PKI – use cases and best practices
19. Remote Signatures & Trusted Cloud
20. Mobile Key Storage towards non-repudiation
21. Conformity assessments and local regulations

Moving towards Mutual Recognition

Mutual Recognition and Interoperability of PKI is an important goal, and the Consortium works towards this direction in several activities, including:

1. Legislative and Policy benchmarking
2. Trust Service Provider ecosystem building
3. Application providers and user maturity
4. Assurance of Identity Vetting and Key protection
5. Compliance Benchmarking (Webtrust / ETSI)
6. Building Technical Interoperability



Thank you!

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