

ITU digital financial services security lab

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ITU DFS Security Lab

Provides a standard methodology to conduct security audit for mobile payment apps (USSD, Android and iOS) and address systemic vulnerabilities and verify compliance against security best practices and standards.

<https://www.itu.int/go/dfssl>

ITU DFS Security Lab



Collaborate with regulators to adopt DFS security recommendations



Perform **security audits** of mobile payment apps (USSD, Android and iOS)



Encourage adoption of **international standards on DFS security**
(ITU-T Rec. X.1150, X.1450, Q.3066)



Organize **security clinics & Knowledge transfer** for Security Lab



Assist regulators to **evaluate** the **Cyberresilience of DFS critical infrastructure**



Networking platform for regulators for knowledge sharing on threats and vulnerabilities

DFS Security Recommendations

Contain the guidelines that may be adopted by regulators.

(Adopted by CRASA in Manual on harmonized strategy to address risks in digital financial services)

1. [Recommendations to mitigate SS7 vulnerabilities](#) (ITU-T Rec Q.3066)
2. [Security recommendations to protect against DFS SIM related risks](#) (X.1456)
3. [DFS Mobile application security Best practices](#) (From ITU-T X.1150)
4. [Template for a Model MOU between a Telecommunications Regulator and Central Bank related to DFS Security vulnerabilities](#) (ITU-T Rec Q.3066)
5. [DFS consumer competency framework](#)

Recommendation

ITU-T X.1150 (03/2024)

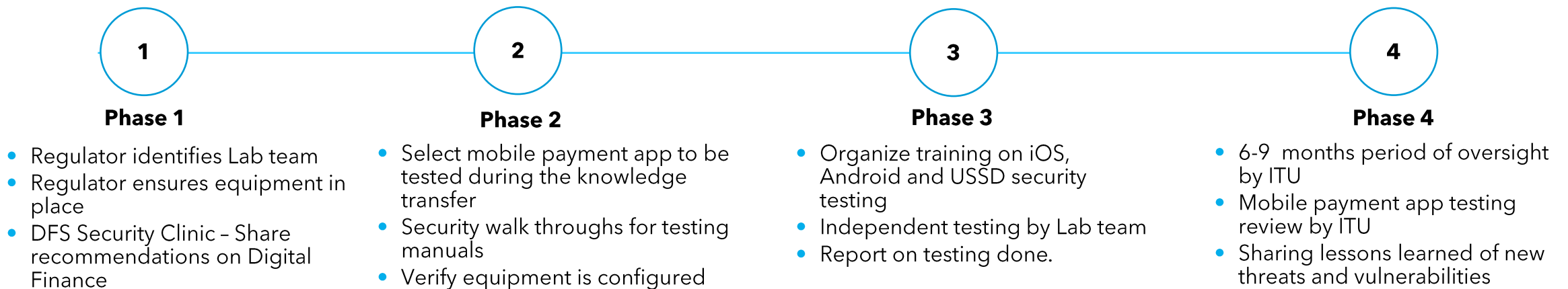
SERIES X: Data networks, open system communications and security

Secure applications and services (I) – Application Security (I)

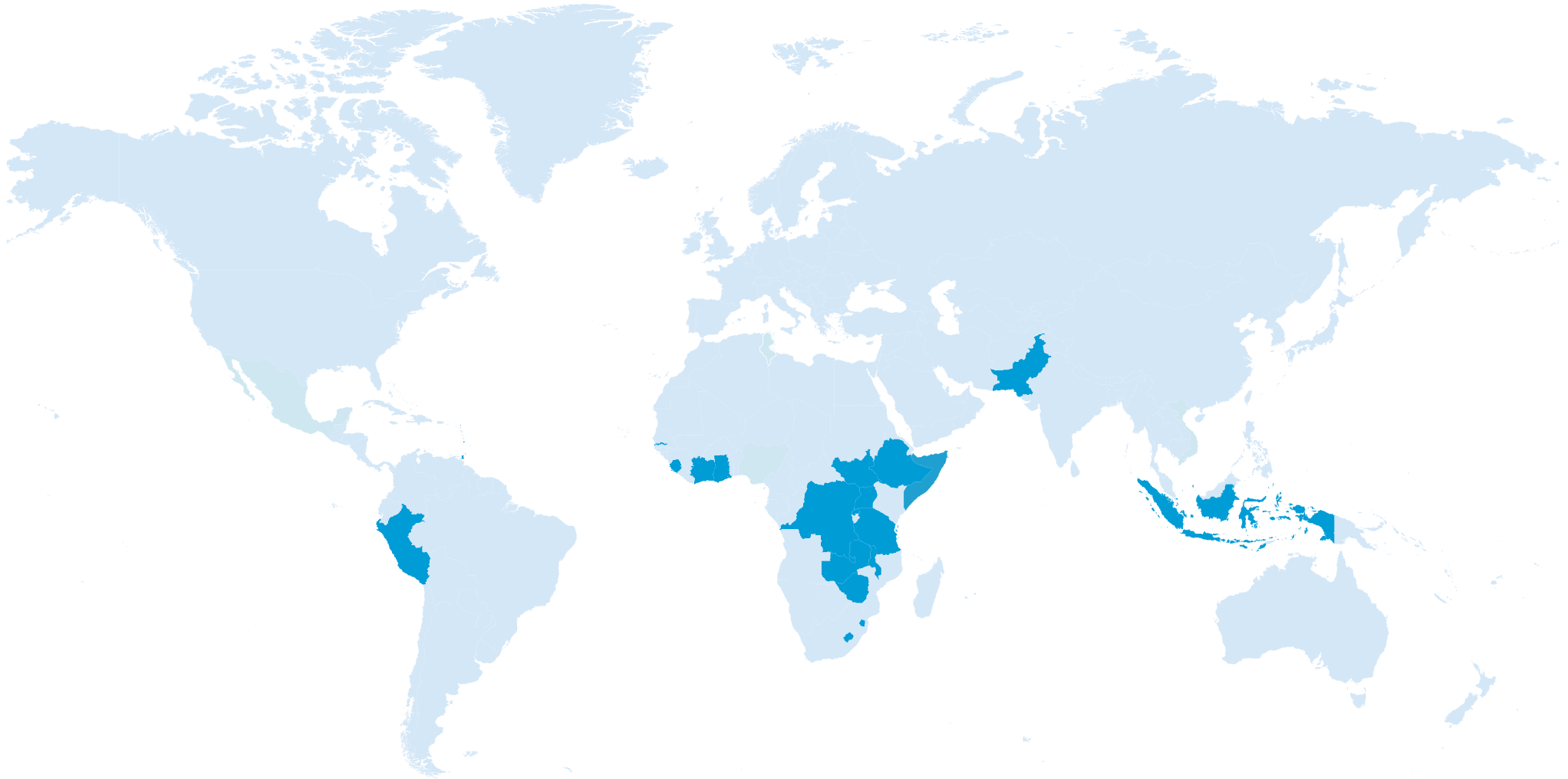
Security assurance framework for digital financial services

ITU DFS Security Lab Knowledge Transfer Programme

- Aimed at regulators
- Objective is to empower the staff of the regulator to be able to conduct security tests for mobile payment apps and adopt the DFS security recommendations (including X.1150).



ITU DFS Security Lab - Security Clinics conducted



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Collaboration activities

1. Support regulators in adoption/localisation of the DFS security recommendations
2. DFS security lab setup
3. Participation in the DFS knowledge sharing platform. - sharing knowledge on DFS security lab.



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