Security of Digital Financial Services (DFS)

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ITU Digital Finance & Inclusion Journey













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Tech Watch Report Mobile Money









DFS Security Recommendations

The <u>DFS Security Recommendations</u> contain the following specific guidelines that may be adopted by regulators

- Model Memorandum of Understanding between a Telecommunications Regulator and a Central Bank Related to Security for Digital Financial Services
- 2. Recommendations to mitigate SS7 vulnerabilities
- 3. Recommendations for securing mobile payment apps
- 4. Recommendations for operators and regulators for SIM card risks such as SIM swap fraud and SIM card recycling.





Guidance to mitigate SIM fraud

- Regulatory coordination between telco and DFS regulator on SIM vulnerabilities. - e.g. An MOU between the DFS regulator and Telecom regulator
- 2. Standardization by regulators of SIM swap rules amongst MNOs/MVNOs including SIM swaps leading to porting of numbers to other MNOs/MVNOs
- 3. Recommending security measures for MNOs on SIM risks





DFS Security Lab - Objectives



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



Organise 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

