

FIGI Security Clinic

Security, Infrastructure And Trust WG

Vijay Mauree
TSB, ITU

4-5 December 2019
#financialinclusion

Sponsored by

BILL & MELINDA
GATES foundation

FIGI > FINANCIAL INCLUSION
GLOBAL INITIATIVE

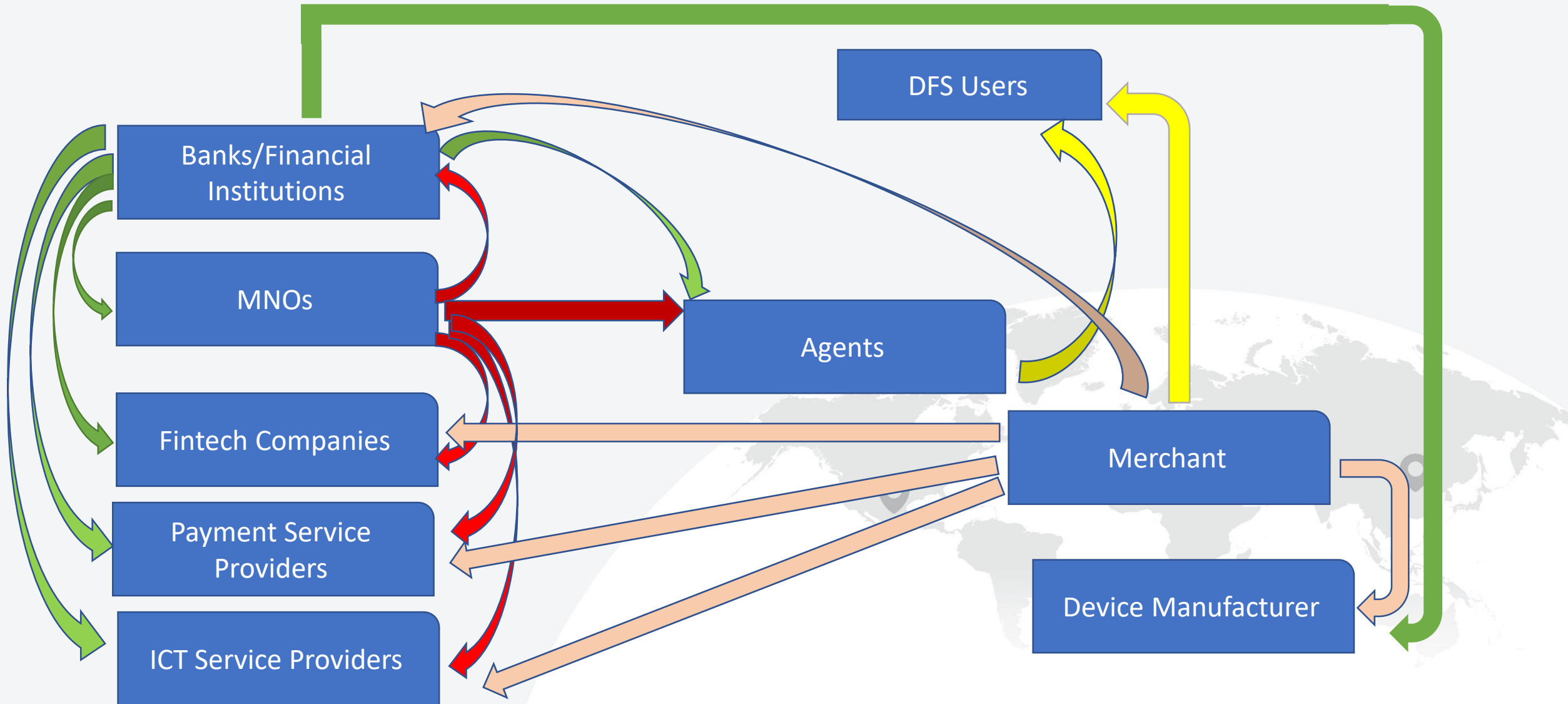


Organized by





DFS Ecosystem - Risk Boundaries





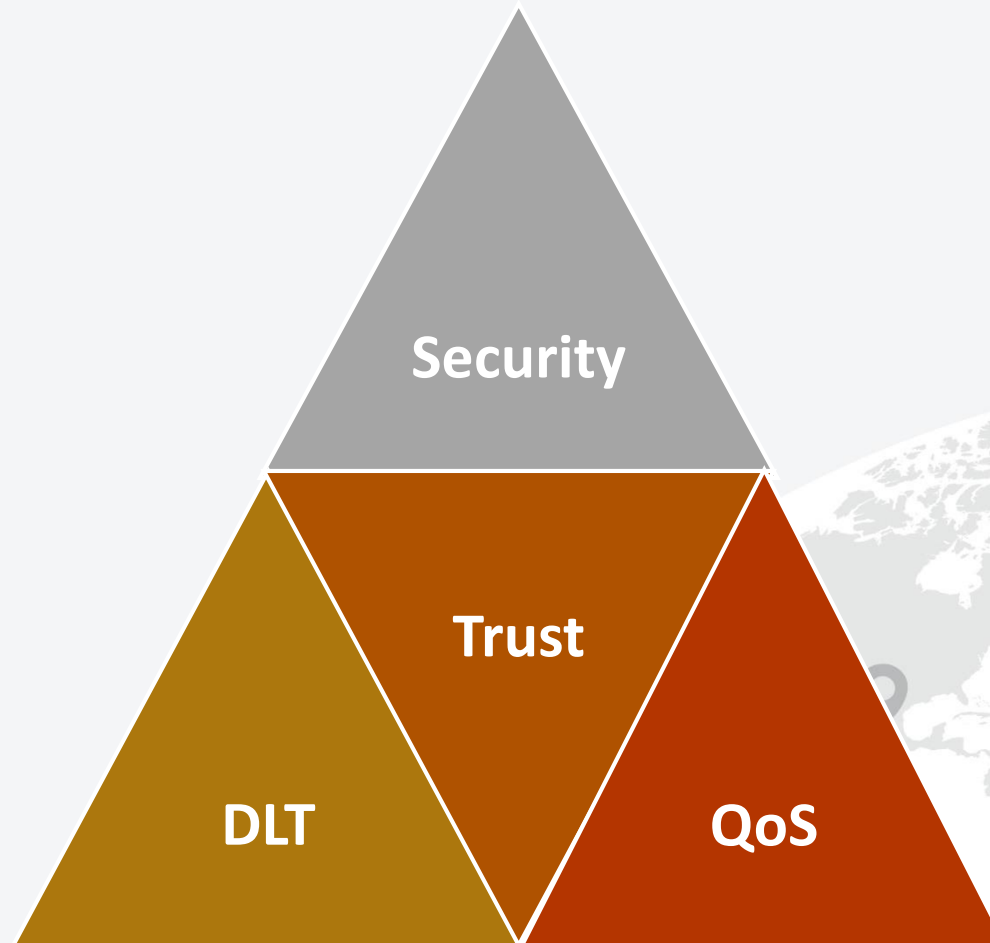
Security, Infrastructure and Trust Working Group

- **Address Security Risks**
 - Telecom infrastructure security
 - Authentication
 - Application security
- **Distributed Ledger Technologies (DLT)**
- **Enhancing trust**
- **Availability of network – Quality of service**

SIT WG Website: <https://www.itu.int/en/ITU-T/extcoop/figisymposium/Pages/FIGISITWG.aspx>



Security, Infrastructure and Trust Working Group



SIT WG Status

- **Reports published in 2019**

- [Technical report on SS7 vulnerabilities and mitigation measures for DFS](#)
- [Implementation of Secure Authentication Technologies for Digital Financial Services](#)
- [Security Aspects of Distributed Ledger Technologies](#)
- [DFS Security Assurance Framework](#)
- [Unlicensed Digital Investment Schemes](#)
- [Big data analytics, machine learning and data privacy in DFS](#)
- [Methodology for measurement of QoS KPIs for DFS](#)

FIGI Security Clinic

- Present reports from Security and DLT Workstreams
- The following reports will be presented today
 - [Technical report on SS7 vulnerabilities and mitigation measures for DFS](#)
 - [Implementation of Secure Authentication Technologies for Digital Financial Services](#)
 - [Security Aspects of Distributed Ledger Technologies](#)
 - [DFS Security Assurance Framework](#)
- Implementation tutorials on 5th December

Outcomes

- **Technical standards for DFS**
 - QoS Workstream report on Methodology for measurement of QoS KPIs led to new standard in ITU-T SG12**
 - Technical reports on SS7 Mitigation Measures and Secure Authentication Technologies have been adopted as technical reports in ITU-T SG 11 and SG 17**
 - Other reports will also lead to new standardization work in ITU**
- **[Developer resources for strong consumer authentication](#)**



Outcomes For 2020

- Support the country implementation under FIGI
- DFS Application Security Testing – Setting up of security test lab
- Reports planned for 2020
 - DLT Legal Aspects
 - Biometric SIM Registration
 - DFS Application Security Testing
 - Methodology for measurement of QoS KPIs
 - Study on Payment APIs





Thank You

