FIGI symposium

29 November – 1 December 2017
Bengaluru, India

#financialinclusion

FIGI › FINANCIAL INCLUSION GLOBAL INITIATIVE

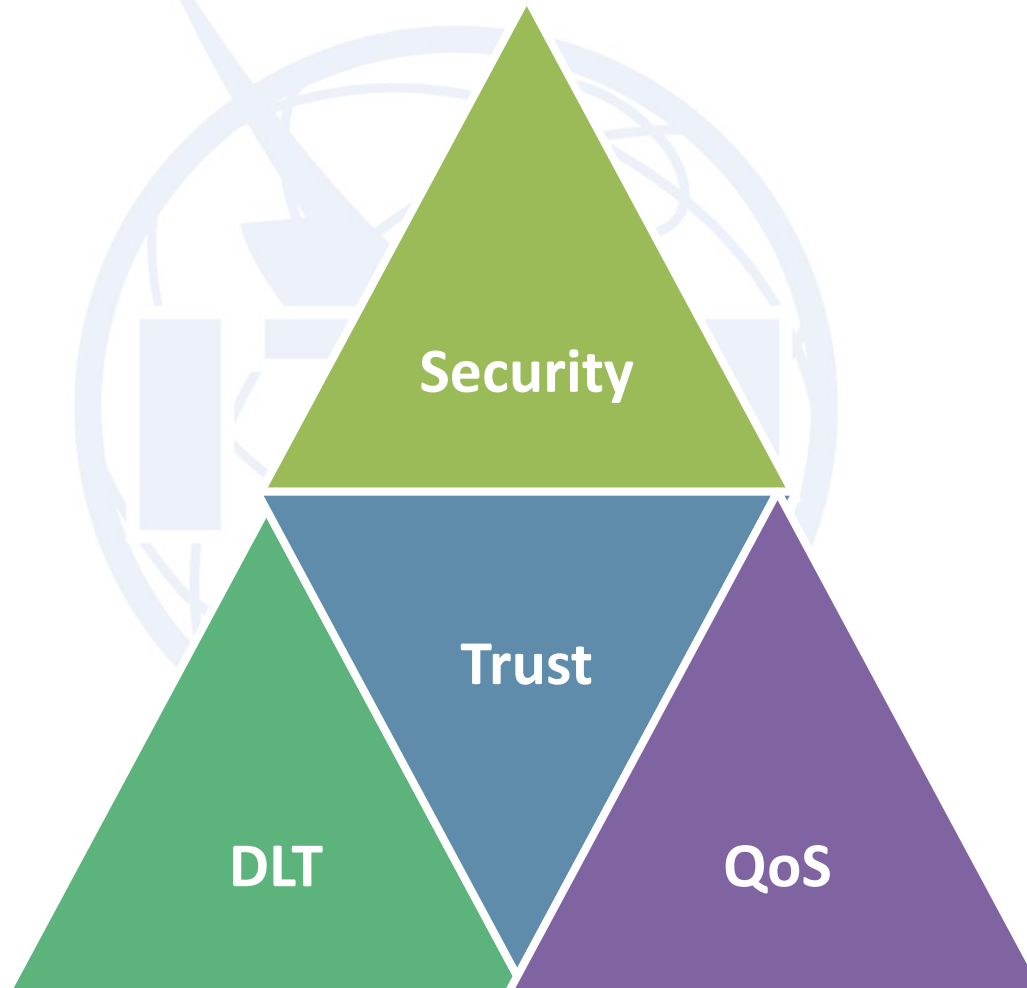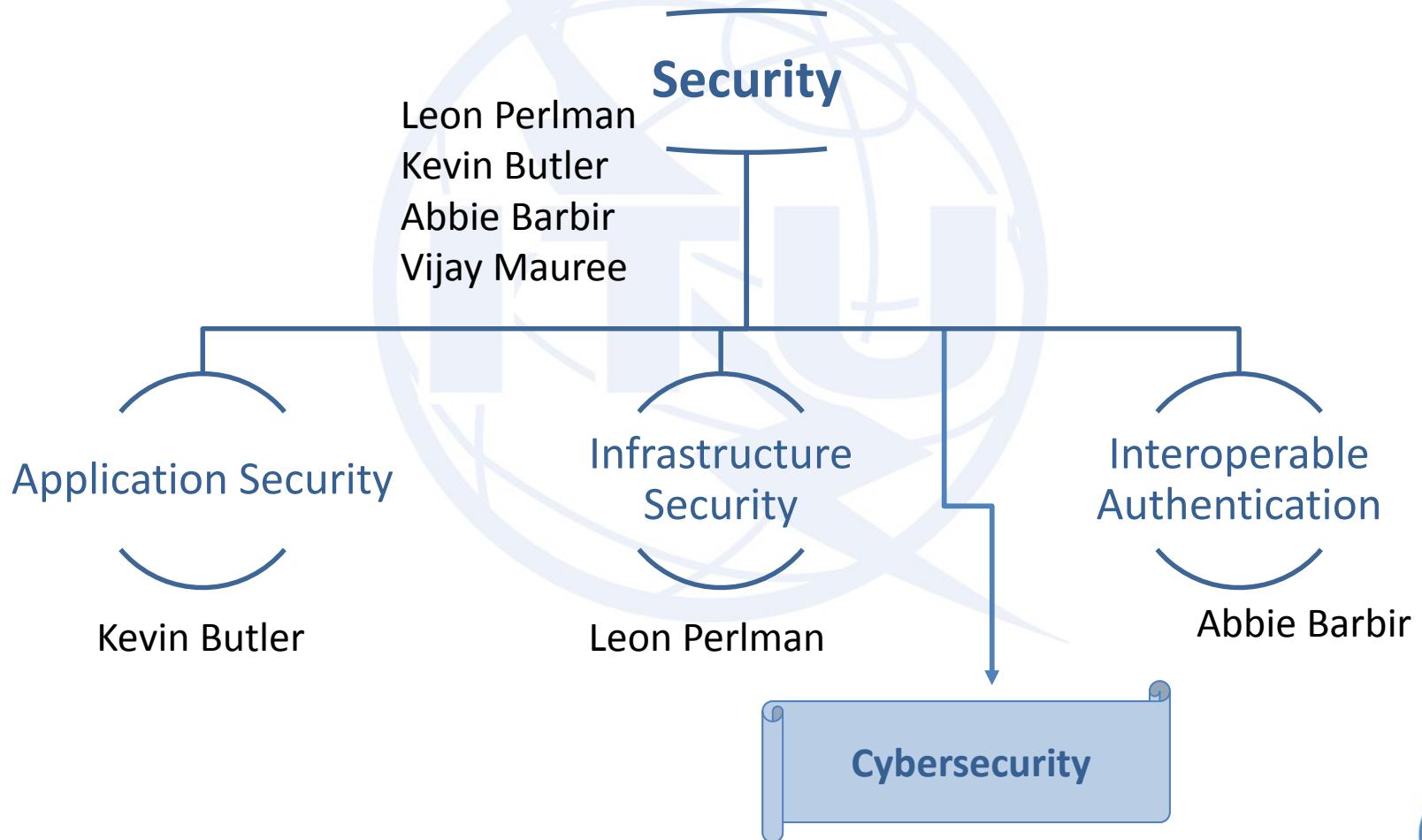## Security Infrastructure and Trust Working Group

Bengaluru

Hosted by

Organized by

Jointly with

DEPARTMENT OF TELECOMMUNICATIONS
MINISTRY OF COMMUNICATIONS
GOVERNMENT OF INDIA

ITU

WORLD BANK GROUP

Committee on Payments and
Market Infrastructures
BANK FOR INTERNATIONAL SETTLEMENTS

BILL & MELINDA
GATES foundation

Working Group Structure

Security Workstream

Security

Leon Perlman
Kevin Butler
Abbie Barbir
Vijay Mauree

Application Security

Infrastructure Security

Interoperable Authentication

Kevin Butler

Leon Perlman

Abbie Barbir

Cybersecurity

World Bank Collaboration

Security Workstream

- **Each subgroup has met at least two times.**
- **Application Security**
  - **Vulnerabilities in DFS Applications**
  - **Security Testing**
- **Infrastructure Security**
  - **Study SS7 vulnerabilities**
  - **Analysis of man in the middle attacks**
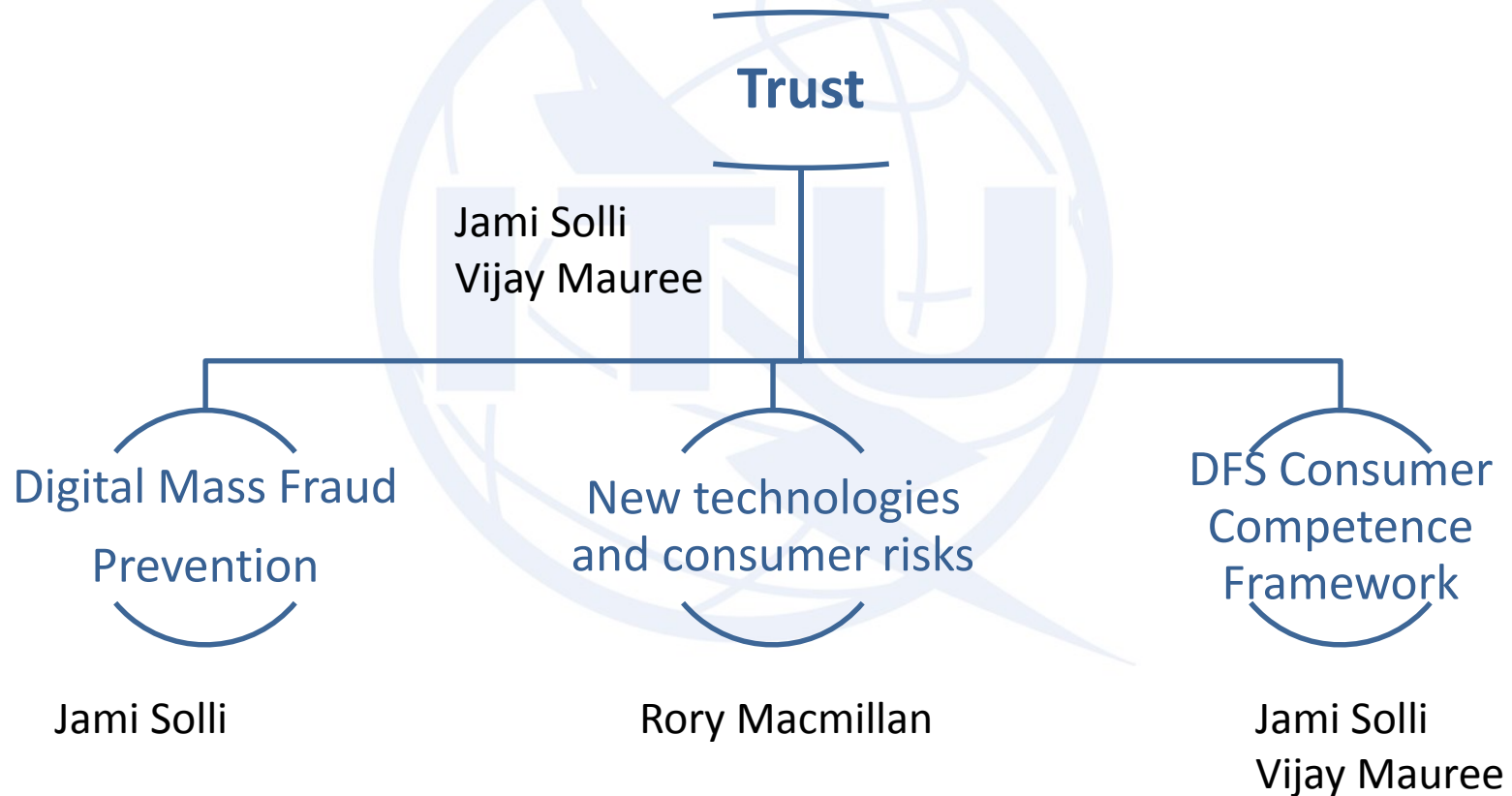 - **Security assurance framework**

Security Workstream

- **Authentication**
  - Use cases for secure interoperable authentication solutions (including taxonomy and requirements)
  - Security aspects of authentication technologies using devices with various biometric sensors
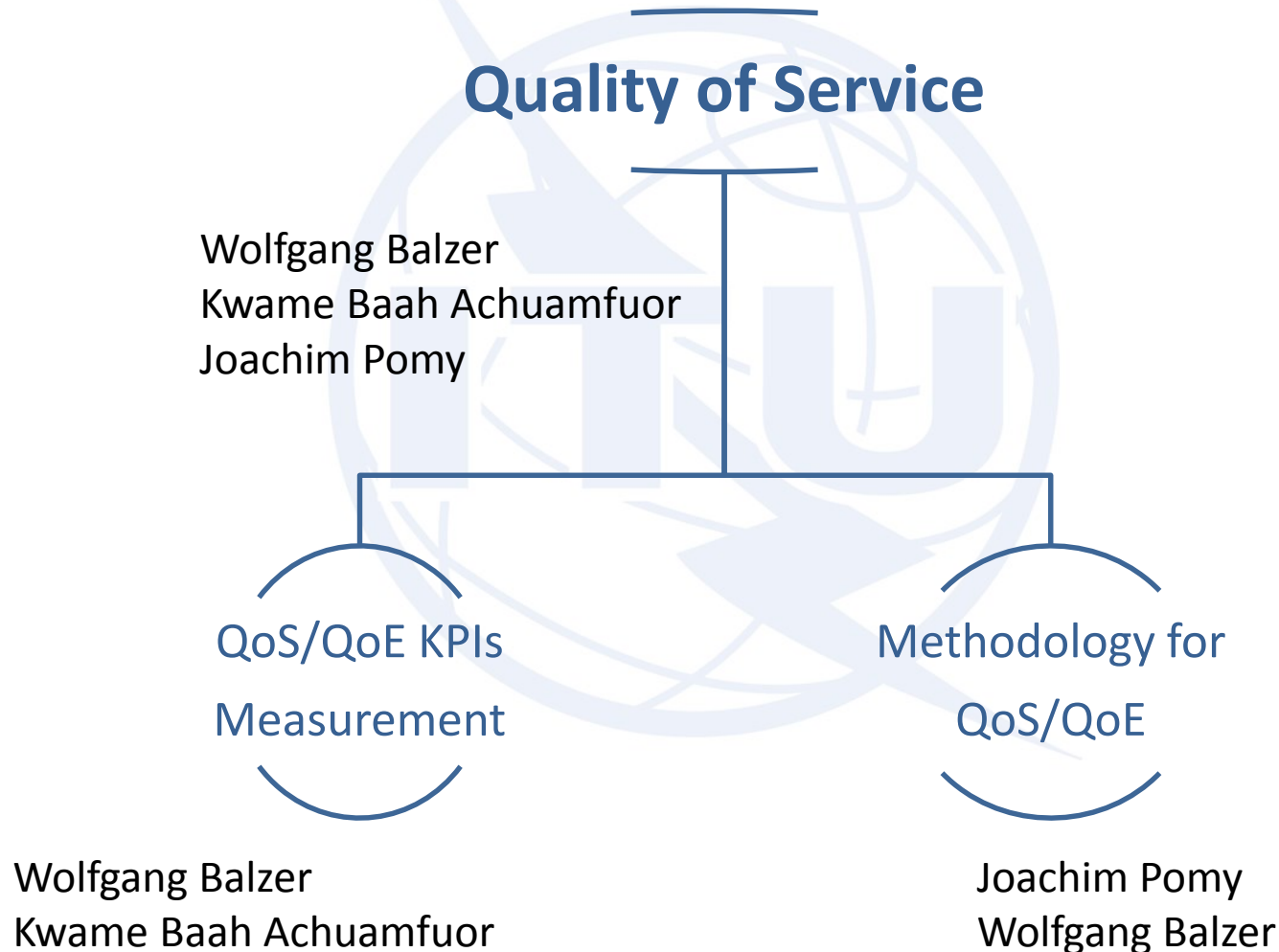
Cybersecurity Workstream

- **Complements the work of the Security workstream**

- **Held two meetings**

- **Focus on risks and cybersecurity threats on the payment system infrastructure**

Trust Workstream

Trust

Jami Solli
Vijay Mauree

Digital Mass Fraud Prevention

New technologies and consumer risks

DFS Consumer Competence Framework

Jami Solli

Rory Macmillan

Jami Solli
Vijay Mauree

Quality of Service Workstream

Quality of Service

Wolfgang Balzer
Kwame Baah Achuamfuor
Joachim Pomy

QoS/QoE KPIs

Measurement

Methodology for

QoS/QoE

Wolfgang Balzer
Kwame Baah Achuamfuor

Joachim Pomy
Wolfgang Balzer

Trust Workstream

- **Has met 5 times**

- **Draft report on Unlicensed Digital Investment Schemes**

- **Work on Data Privacy will be discussed at this meeting**

QoS Workstream

- Research project
- Pilot Project: Ghana
  - Measure QoS metrics (KPI) described in the publication **QoS and QoE Aspects of Digital Financial Services** by ITU-T Focus Group Digital Financial Services (05/2016) and to run a measurement campaign in a selected country.
- The outcome of the project will be a field-motivated methodology and toolset for use both in further measurement campaigns, and as a basis for a long-term testing and monitoring infrastructure for digital financial services.

DLT Workstream

DLT for Financial Inclusion

Leon Perlman
Jo Ann Barefoot

Security aspects of DLT

Leon Perlman

Policy and regulatory issues for DLT

Jo Ann Barefoot
Matthew Van Buskirk

DLT Workstream

- Two meeting so far

- Draft report

  - Distributed Ledger Technologies implications for financial services

- Security aspects of DLT work to be discussed in this meeting

Join Us

- **Mailing List: figisit@lists.itu.int**

- **Website: https://extranet.itu.int/sites/itu-t/initiatives/sitwg/**

- **Email: vijay.mauree@itu.int**

Thank You

Contact: vijay.mauree@itu.int