FG-QIT4N: Focus Group on
Quantum Information Technology for Networks

Info session on FG-QIT4N deliverables

06 December 2021

Quantum key distribution network (QKDN) protocols part 2: Key management layer, QKDN control layer, and QKDN management layer

Scope：

- Protocols with respect to key management layer

- Protocols with respect to QKDN control layer

- Protocols with respect to QKDN management layer

- Suggestions for future work

Link to report: https://www.itu.int/en/ITU-T/focusgroups/qit4n/Documents/D2.3%20part%202.pdf

The QKDN protocols are classified into different layers according to main functions of each layer.

Representative operational procedures and corresponding message parameters are given for some protocols.

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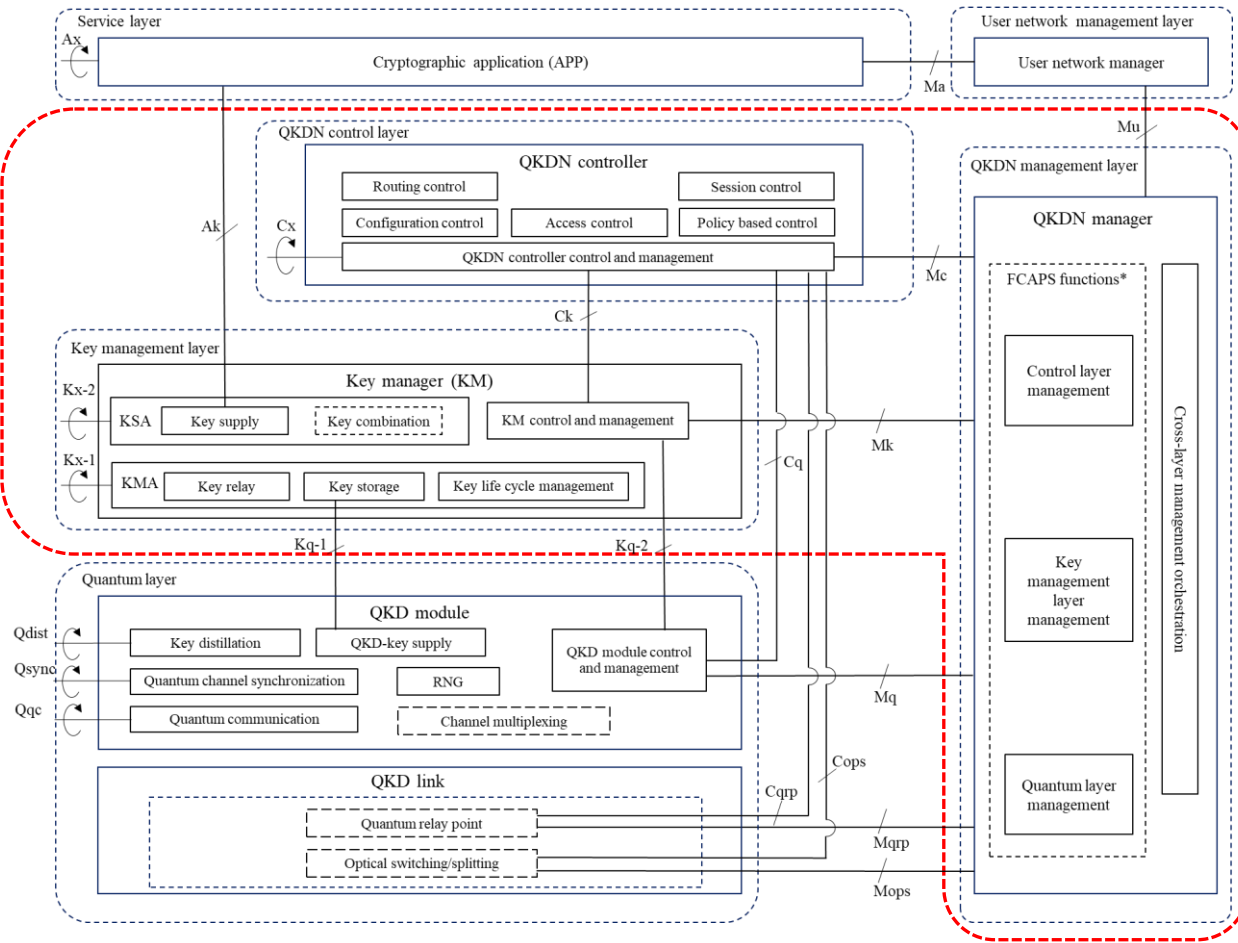**Co-editors：** **Hao Qin** National University of Singapore hao.qin@nus.edu.sg

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A functional architecture model of QKDN

Each reference point represents an interface with underlying protocol to be developed.

SG11

SG17

QKDN is intrinsically related to security issues.

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