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India's Telecom SDO celebrating Years of developing ICT Standards

TECH DEEP DIVE

TTDD 2024 CONFERENCE (7th EDITION)

REALIZING THE 6G VISION :
SOCIETAL NEEDS, USAGE SCENARIOS & TECHNOLOGIES

 **Date:** 16-19 July 2024

Session #4: Security & Privacy

17 July 2024

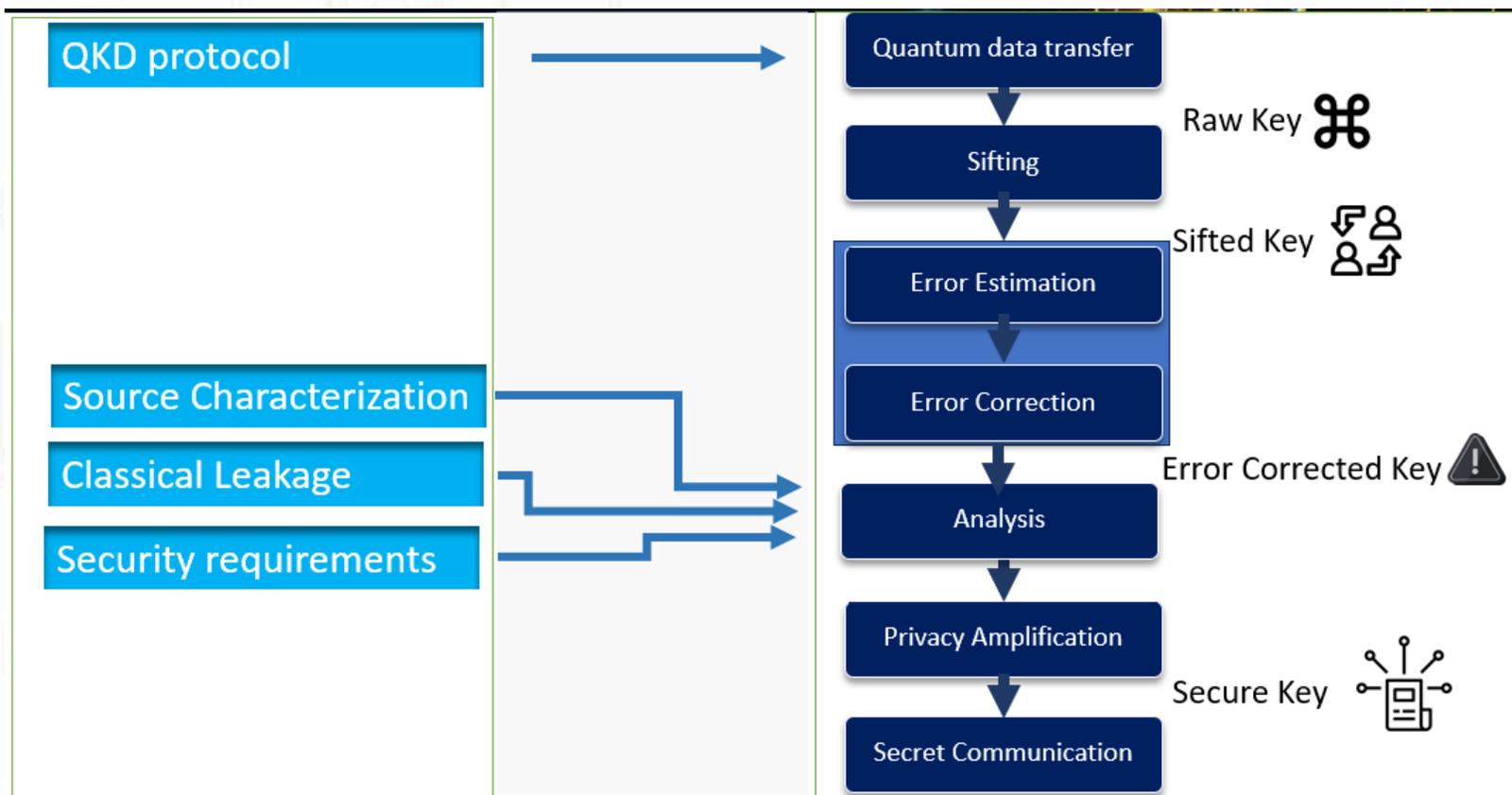
Quantum Cryptography in 6G

by

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Quantum Cryptography

QKD basics



Practical challenges of QKD

Specialized hardware like sources and detectors

Imperfection in devices

Distance

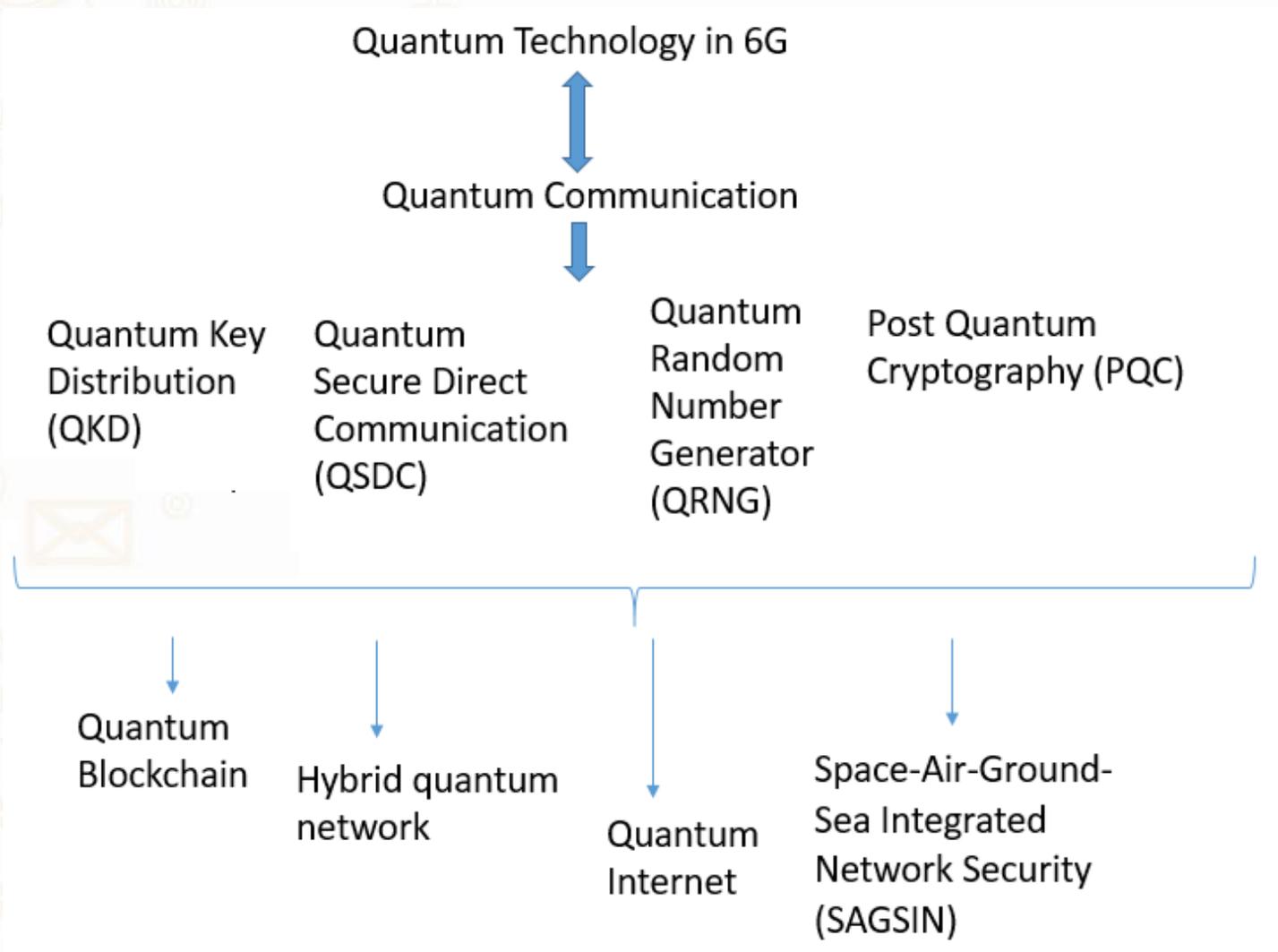
Infrastructure and maintenance cost

End to end security

Denial of service attack

Integration over existing network

Q in 6G



Thank You