

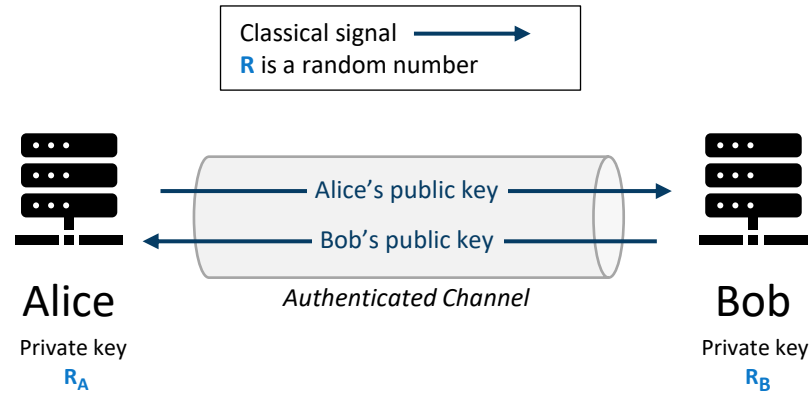
QUANTUM CRYPTO PROTOCOLS

SIMPLIFIED OVERVIEW

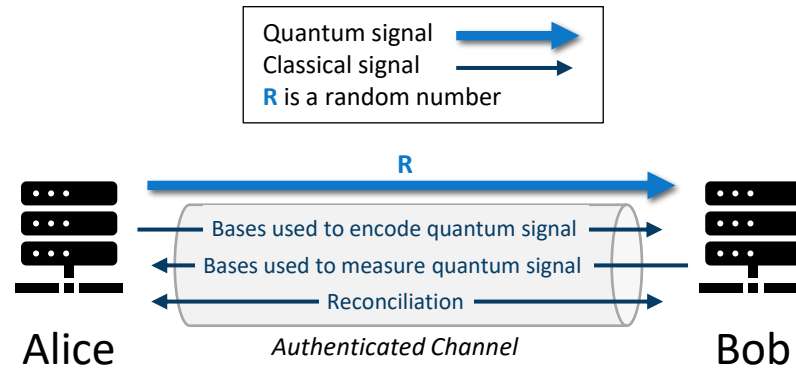
David Shaw, Fact Based Insight

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Traditional Diffie-Hellman key exchange

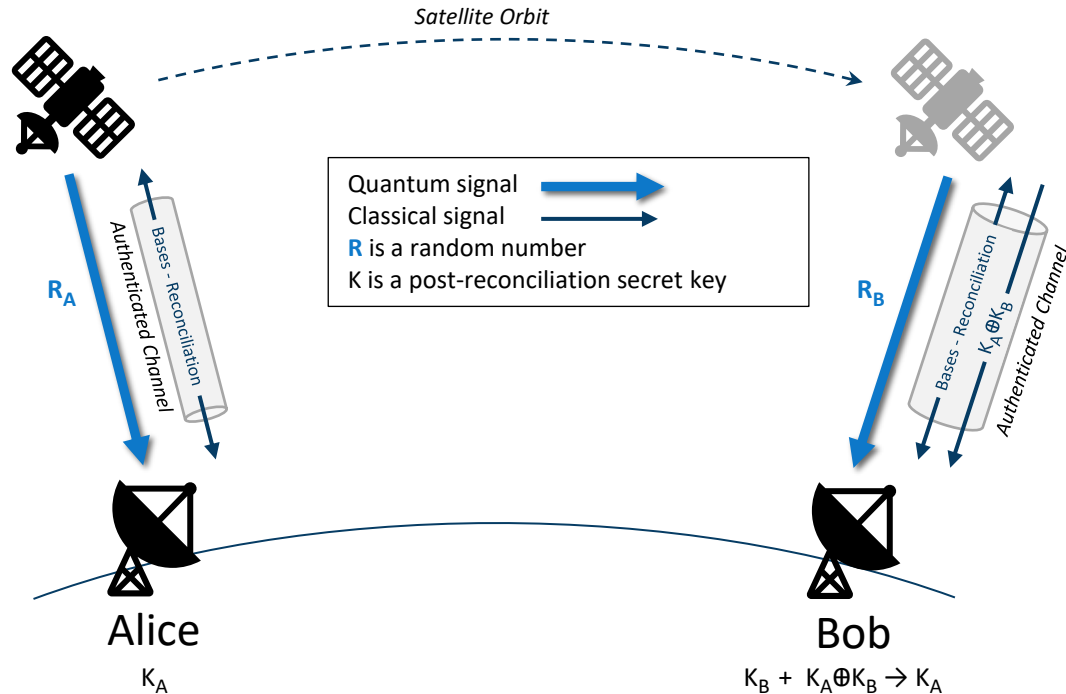


Prepare & Measure QKD Protocol

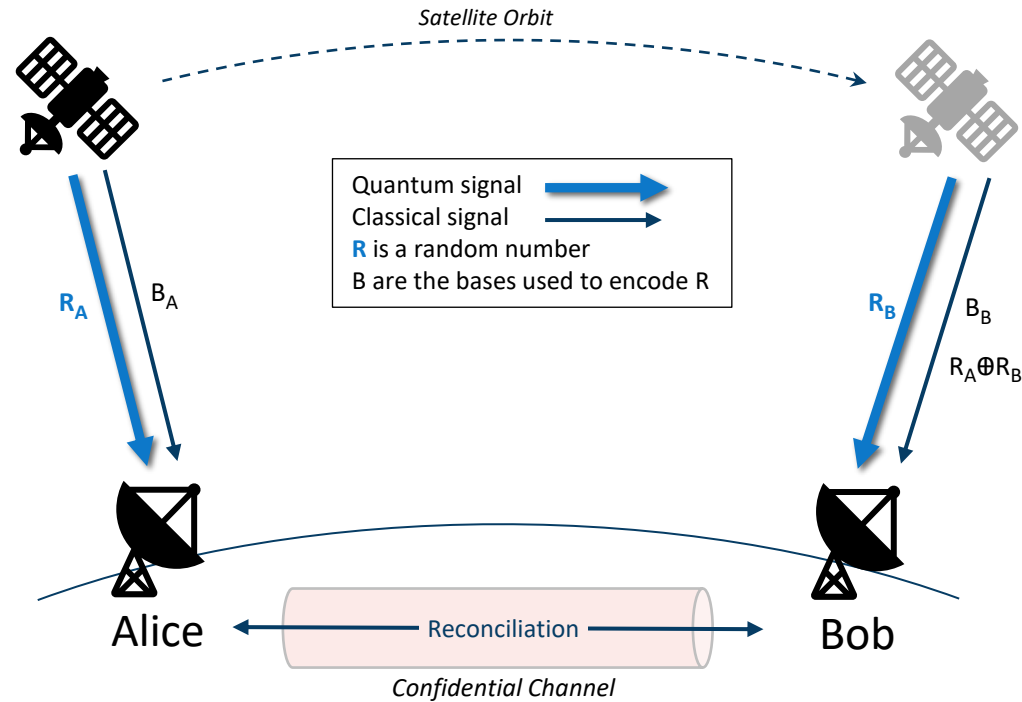


Random number	1	1	0	1	0	0	1	0
Alice's encoding basis	↕	↔	↕	↕	↔	↕	↔	↔
Bob's measurement basis	↔	↔	↕	↔	↕	↕	↔	↕
Secret key		1	0			0	1	

Trusted node satellite QKD protocol



ARQ19 Satellite Protocol



For more information and supporting references

- [Factbasedinsight.com/quantum-safe-cryptography](https://factbasedinsight.com/quantum-safe-cryptography)