

Quantum Key Distribution (QKD); Components and Internal Interfaces

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification (ISG) Group Quantum Key Distribution (QKD).

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1 Scope

The present document is a preparatory action for the definition of properties of components and internal interfaces of QKD Systems. Irrespective of the underlying technologies, there are certain devices that appear in most QKD Systems. These are e.g. quantum physical devices such as photon sources and detectors, or classical equipment such as protocol processing computer hardware and operating systems. For these components, relevant properties must be identified that will subsequently be subject to standardisation. Furthermore, a catalogue of relevant requirements for interfaces between components must be established, to support the upcoming definition of internal interfaces.

2 References

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2.1 Normative references

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2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

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