

Testbed Bundesdruckerei-T-Labs

The Bundesdruckerei QKD-Testbed is in Berlin Kreuzberg with connections to the Telekom T-Labs. This way, it is also connected to the Berlin Quantum Network. Internal test network infrastructure is provided to evaluate different use cases specifically for KRITIS infrastructure. Applications can be established through Bundesdruckerei-staff.

A: Brief Information

Testbed Title	Bundesdruckerei-T-Labs Testbed
Start Point	Deutsche Telekom AG, T-Labs
End point	Bundesdruckerei GmbH
Institution/Organization	T-Labs, Bundesdruckerei
Contact	Richard Schilling, richard.schilling@bdr.de
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Status	Active

B: Technical Information

Type of Transmission	Fiber
Length [km]	8
Losses [dB]	-
Supported Wavelengths [nm]	1550 nm
Type of Fiber	Single mode
Type of Deployment	Underground
Polarization Stabilization	No
Quantum Communication Infrastructure	-
Available Infrastructure for external Parties	Third-party access is possible with restrictions

C: Additional Information

Linked Projects	QuNET: https://qunet-initiative.de/
Press Release and Publications	https://www.bundesdruckerei.de/de/newsroom/news/quantensichere-kommunikation-auf-berlinweitem-netzwerk
Demonstrated Milestone	
Outlook	
Suggested Use Cases	Governmental Use of QKD for secure communication, specific applications suited for governmental requirements

Other Comments/ Information	
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