

## 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

<b>Testbed Title</b>	Bundesdruckerei-T-Labs Testbed
<b>Start Point</b>	Deutsche Telekom AG, T-Labs
<b>End point</b>	Bundesdruckerei GmbH
<b>Institution/Organization</b>	T-Labs, Bundesdruckerei
<b>Contact</b>	Richard Schilling, <a href="mailto:richard.schilling@bdr.de">richard.schilling@bdr.de</a>
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<b>Status</b>	Active

### B: Technical Information

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

### C: Additional Information

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

<b>Other Comments/ Information</b>	
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