TÜVNORD

Certificate

TÜVNORD
TÜV NORD CERT GmbH
EN 50600
Infrastructure
tuev-nord.de 661278.26

The certification body of TÜV NORD CERT GmbH
hereby awards this certificate to the company

T-Systems International GmbH
Hahnstraße 43d
60528 Frankfurt am Main, Germany

to confirm that its security area

Data Center Campus Magdeburg

fulfils all requirements of

EN 50600
Availability Class 3

using Criteria Catalog TSI.EN50600 V3.0 of TÜV NORD CERT GmbH. The requirements are summarized in the appendix to the certificate.

The appendix is part of the certificate and consists of 4 pages.

ENERGY EFFICIENCY
PUE < 1,50

Certificate ID: 661278.26

valid from 2026-03-25 until 2027-09-25

To Certificate

Essen, 2026-03-25

Dr.-Ing. Pedersen

Certification Body of TÜV NORD CERT GmbH

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.com

Certification scheme

The certification body of TÜV NORD CERT GmbH performs its certifications based on the following certification scheme:

- German document: „Zertifizierungssystem für IT-Zertifikate (nicht akkreditierter Bereich) der Zertifizierungsstelle der TÜV NORD CERT GmbH“, D503-CP-001, Rev. 00/09.24, TÜV NORD CERT GmbH

Evaluation report

- “Evaluation report – TSI.EN50600, Data Center Campus Magdeburg“, Version 1.0 as of 2026-03-25, TÜV NORD CERT GmbH

Evaluation requirements

The evaluation requirements are defined in the following standards:

- EN 50600-1; Information technology – Data centre facilities and infrastructures – Part 1: General concepts; EN 50600-1:2019-08
- EN 50600-2-1; Information technology – Data centre facilities and infrastructures – Part 2-1: Building construction; EN 50600-2-1:2021-09
- EN 50600-2-2; Information technology – Data centre facilities and infrastructures – Part 2-2: Power supply and distribution; EN 50600-2-2:2019-08
- EN 50600-2-3; Information technology – Data centre facilities and infrastructures – Part 2-3: Environmental control; EN 50600-2-3:2019-08
- EN 50600-2-4; Information technology – Data centre facilities and infrastructures – Part 2-4: Telecommunications cabling infrastructure; EN 50600-2-4:2023-09
- EN 50600-2-5; Information technology – Data centre facilities and infrastructures – Part 2-5: Security systems; EN 50600-2-5:2021-09
- EN 50600-3-1; Information technology – Data centre facilities and infrastructures – Part 3-1: Management and operational information; EN 50600-3-1:2016-08
- EN 50600-4-2, Information Technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness; EN 50600-4-2:2019

and were checked applying the evaluation requirements:

- „TSI.EN50600 Criteria Catalog", TSI.EN50600 V3.0 as of 2025-09-01, TÜV NORD CERT GmbH

The evaluation requirements are summarized at the end. Not applicable requirements are printed in grey.

Evaluation target

Evaluation target is the security area "Data Center Campus Magdeburg" of T-Systems International GmbH. It is detailed in the evaluation report.

Evaluation result

The evaluation target fulfils all applicable requirements of the above-mentioned standards with regard to

- Availability Class 3

The detailed results regarding granularity level and protection classes are included in the evaluation report.

Furthermore, the criteria of the evaluation aspect EFF are fulfilled.

Summary of the Evaluation Requirements

The EN 50600 defines requirements for a data center in the following areas:

- Building construction
- Power distribution
- Environmental control
- Telecommunications cabling infrastructure
- Security systems
- Management and operation

To classify a data center, four availability classes, five protection classes and three levels of granularity for energy monitoring are defined.

Availability Classes

In EN 50600-2-2/-2-3/-2-4 four different grades of availability classes are defined for the entirety of all facilities and infrastructures of the data center. The availability classes have the following characteristics, among others:

AC1 Single path layout

AC2 Single path layout with redundancies

AC3 Multi-path design, solution for repair during operation

AC4 Multi-path design, fault tolerant except during maintenance

Protection Classes

Five different protection classes are defined. A protection class is assigned to all areas and supply paths of the data center. They describe physical protection against the following events:

- Unauthorized access
- Intrusion
- Internal fire
- Internal environmental events

- External environmental events

Granularity levels for the measurement of energy consumption

Three levels of granularity are defined for the measurement:

- Level 1: a measuring concept that provides simple, general information for the entire data center
- Level 2: a measuring concept that provides detailed informa¬tion for specific facilities and infrastructures within the data center
- Level 3: a measuring concept that provides granular data for the systems within the areas and supply paths of the data center