Certificate

EN50600
Infrastructure
2024
tuvit.de   ID: 661000.24

The certification body of TÜV Informationstechnik GmbH hereby awards this certificate to the government office

Republic of Serbia
The Office for IT and eGovernment
Nemanjina 11
Belgrade 11000, Serbia

Certificate validity:
2024-03-21 – 2026-03-21

to confirm that its security area

State Data Center in Kragujevac
(Module 1, IT modules D1/1 – D1/8)

fulfils all requirements of

EN 50600
Availability Class 4, Protection Classes 1–4,
Granularity Level 3

using the criteria catalog TSI.EN50600 V2.0 of TÜV Informationstechnik GmbH. The requirements are summarized in the appendix to the certificate.
The appendix is part of the certificate with the ID 661000.24 and consists of 4 pages.

Essen, 2024-03-21
Joachim Faulhaber, Deputy Head of Certification Body

To Certificate

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Certification scheme

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

■ German document: "Zertifizierungsprogramm (nicht akkreditierter Bereich) der Zertifizierungsstelle der TÜV Informationstechnik GmbH", version 1.1 as of 2020-03-01, TÜV Informationstechnik GmbH

Evaluation report

■ "Evaluation Report– TSI.EN50600, State Data Center in Kragujevac (Module 1, IT modules D1/1 - D1/8)", Version 1.0 as of 2024-03-13, TÜV Informationstechnik 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; German version EN 50600-1:2019-08

■ EN 50600-2-1, Information Technology – Data centre facilities and infrastructures – Part 2-1: Building construction; German version EN 50600-2-1:2014-09

■ EN 50600-2-2, Information Technology – Data centre facilities and infrastructures – Part 2-2: Power supply and distribution; German version EN 50600-2-2:2019-08

■ EN 50600-2-3, Information Technology – Data centre facilities and infrastructures – Part 2-3: Environmental control; German version EN 50600-2-3:2019-08

■ EN 50600-2-4, Information Technology – Data centre facilities an infrastructures – Part 2-4: Telecommunications cabling infrastructure; German version EN 50600-2-4:2015-07

■ EN 50600-2-5, Information Technology – Data centre facilities and infrastructures – Part 2-5: Security systems; German version EN 50600-2-5:2016-08

■ EN 50600-3-1, Information Technology – Data centre facilities and infrastructures – Part 3-1: Management and operational information; German version EN 50600-3-1:2016-08

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and were checked applying the evaluation requirements:

- "TSI.EN50600 Criteria Catalog, TSI.EN50600 Version 2.0" as of 2020-04-01, TÜV Informations-technik GmbH

Evaluation target

Evaluation target is the security area "State Data Center in Kragujevac (Module 1, IT modules D1/1 - D1/8)" of Republic of Serbia The Office for IT and eGovernment. 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 4,

- Protection Classes 1-4,

- Granularity Level 3.

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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, four 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

Four 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,

- internal environmental events,

- external environmental events.

With regard to unauthorized access, at least three protection classes must be implemented.

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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 information 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.