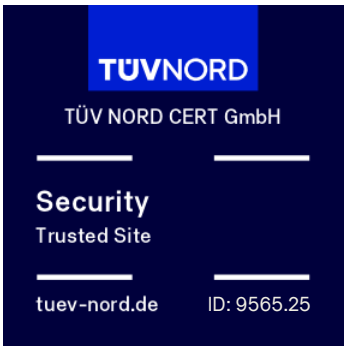
Certificate



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

Ärzteversorgung Westfalen-Lippe
Am Mittelhafen 30
48155 Münster, Germany

Certificate validity:
2025-06-05 –
2027-06-05

to confirm that its IT system

ÄVWL-Portal, 1.0

fulfils all requirements of the criteria

Security Qualification (SQ)
Version 10.0
Security Assurance Level SEAL-3

of TÜV NORD CERT GmbH. The requirements are summarized in the appendix to the certificate.

The appendix is part of the certificate with the ID 9565.25 and consists of 4 pages.

Essen, 2025-06-05

Zertifizierungsstelle der TÜV NORD CERT GmbH

To Certificate

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

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

- German document: “Evaluierungsbericht – Sicherheitstechnische Qualifizierung, ÄVWL-Portal, 1.0”, 1.1 as of 2025-06-05, TÜV Informationstechnik GmbH

Evaluation requirements

- “Trusted Site Security / Trusted Product Security, Security Qualification (SQ) Requirements Catalog for version 10.0”, documentation version 2.9 as of 2022-11-11, TÜV Informationstechnik GmbH
- Product-specific security requirements (see below)

The evaluation requirements are summarized at the end.

Evaluation target

Evaluation target is the “ÄVWL-Portal, 1.0” of Ärzteversorgung Westfalen-Lippe. It is detailed in the evaluation report.

Evaluation result

- All applicable evaluation requirements for the security qualification with Security Assurance Level SEAL-3 are fulfilled.
- The product-specific security requirements are fulfilled.

The recommendations of the evaluation report have to be regarded.

System-specific security requirements

The following system-specific security requirements are the basis of the certification and have been checked:

1. Authentication and access control

Data, services and functions requiring protection are effectively protected by the web application against unauthorised access.

The access data is securely changed, processed and stored by the web application so that the confidentiality and integrity of the access data is protected.

2. Administration of user sessions (session management)

The session information used by the web application is securely generated, managed and deleted so that the confidentiality and integrity of the session data is protected.

The session information is treated confidentially by the web application.

3. Validation of Input and Output Data

All input and output data is validated by the web application before processing so that no corrupt data is processed and output by the web application. Data from and to all system components (e.g. browser or database) are checked by the web application.

The validation of all input and output data is implemented on the server side.

4. Data security

No confidential information about the internal structure of the application is disclosed by the web application.

Trusted data is transmitted, and the web application is accessed via secure connections that protect integrity and confidentiality.

Intermediate storage of sensitive data is avoided.

Confidential data (e.g. access data) is stored in encrypted form. State-of-the-art algorithms (in accordance with BSI TR-02102) are used.

5. Application logic

The web application only offers operationally necessary functions. The functions offered by the web application cannot be misused (e.g. breaking out of a defined process).

6. System hardening

The components and server processes accessible from the Internet have no known, exploitable vulnerabilities.

Summary of the evaluation requirements for the Security Qualification (SQ), version 10.0

1 Technical Security Requirements (as of SEAL-1)

The technical security requirements must be documented, consistent and verifiable. The specification must be made in accordance with ISO / IEC 17007. In addition, technical security requirements must be derived in the framework of an individual threat and risk analysis, they must be derived from previously defined protection profiles, or they must conform to published security requirements of recognized authorities or bodies of IT security. Furthermore, they must be appropriate to the intended use of the IT product and meet applicable security demands.

2 Vulnerability Assessment and Penetration Testing (as of SEAL-2)

The security measures of the IT system must withstand penetration testing. It must not be possible to break or circumvent security measures. The IT system must be configured securely, must meet all of the defined technical security requirements and must not have any exploitable vulnerabilities.

3 Architecture and Design (as of SEAL-3)

The IT system must be structured reasonably and understandable. Its complexity must not have any impact on security. The hardening and protection measures must be adequate and effective. It must not contain any conceptual vulnerability that allows bypassing or disabling security-relevant components.

4 Installation and Operation (as of SEAL-4)

The existing logging and monitoring measures must be effective. The logged and monitored events must be appropriate for detecting security incidents in a reliable and prompt manner. With respect to confidentiality and integrity, the administration is carried out via a trustworthy path. The documentation must be understandable and transparent. It must be known to the authorized individuals and freely accessible at all times.

5 Change Management (as of SEAL-5)

Patch management must be completely documented and suitable for the IT system. The procedure for amendments of the IT system must be clearly defined and appropriate for the IT system. Persons involved must be familiar with it and responsibilities must be clearly defined. Amendments of the IT system must not lead to a reduction of the security level achieved.

Security Assurance Level

The following table shows the applicable criteria for the security assurance level. A certificate can be issued for IT systems having successfully passed the evaluation and reaching an overall level of at least SEAL-3.

		Security Assurance Level				
		SEAL-1	SEAL-2	SEAL-3	SEAL-4	SEAL-5
Evaluation Criteria	Technical Security Requirements	X	X	X	X	X
	Vulnerability Assessment and Penetration Testing		X	X	X	X
	Architecture and Design			X	X	X
	Operating Instructions				X	X
	Change Management					X

Table: Evaluation criteria and Security Assurance Level of IT system