



# PKI Disclosure Statement Carl Zeiss AG – Email CA

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## Summary

This PKI disclosure statement is intended for the documentation of Email PKI with external communication partners. It describes the obligations of the subscriber and the external communication partner and how liability is regulated in the event of damage or loss.

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## 1 Contact for certification centers

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## 2 Type of certificate, validation procedures and use

In addition to the X.509 hierarchical infrastructure, the use of PGP with its “web of trust” model, in which keys and certificates are preferably used in accordance with X.509, is also supported. All statements in this PKI disclosure statement are based on both the hierarchical certification infrastructure in accordance with X.509 and the PGP, unless otherwise noted.

The Carl Zeiss AG email CA only issues certificates for users; no machine certificates are issued. The certificates must only be used for business purposes and for the following application:

- Email signature and encryption

Private use is not permitted.

The Carl Zeiss AG email CA validation procedure for the verification of the identity of the user certificates requires the user to have an email account at Carl Zeiss AG. For this, registration is based on the registration process and the verification of the identity which is performed by the Human Resources Department at Carl Zeiss AG when an employee is hired.

Private user keys are stored centrally on a secure email gateway and are protected against theft and unauthorized access.

The issuance of the Carl Zeiss AG email CA certificate is the responsibility of the Carl Zeiss AG Root CA administrators who are only allowed to operate under the four-eye principle. The Carl Zeiss AG Root CA validation procedure for verification of the identity of the Carl Zeiss AG email CA requires the following course of action:

1. Contacts for the email CA must be specified in writing in a document.
2. Certificate requests can be submitted personally on a data carrier or via email.
3. If this is done in person, issuance and return of the certificate occurs in a single process. The transfer is documented in writing.
4. In the email procedure, the email must generally have a digital signature and can be optionally encrypted. The application and transfer process shall be traceably documented.

The Carl Zeiss AG email CA certificate may only be used to issue email certificates for users.

### **3 Limitation of the use of the reliability of certificates (Reliance limits)**

In accordance with the stated exclusion and liability limitation clauses (*limitation of liability*), email certificates from Carl Zeiss AG may only be used for authentication, integrity and confidentiality in the transmission of emails.

Liability is based on the generally applicable liability regulations within the scope of the respective application as they arise based on legislation and/or applicable agreements of the relying party with Carl Zeiss AG.

### **4 Obligations for subscribers**

If a compromise is suspected, the subscriber must immediately inform the Carl Zeiss AG email CA and have the certificate cancelled. In other cases, the specifications in Chapter 6 apply.

### **5 Obligations of the relying parties for the verification of the certificate status**

Before relying parties are allowed to trust an electronic signature, use a public key for encryption

or accept the certificate for authentication<sup>1</sup>, they must verify if the corresponding owner certificate is expired or has been revoked at the time of signature generation, encryption or authentication. Furthermore, they must ensure that the certification is suitable for the intended purpose.

The restricted lists used by Carl Zeiss AG PKI for X.509 certificates are published externally via HTTP.

### **6 Exclusion and liability limitation clauses**

Unless otherwise explicitly regulated in an applicable agreement with a relying party and/or a subscriber, liability for material defects and defects of title and all liability of Carl Zeiss AG CA(s) regarding the creation, use, validity, suitability or correctness of certificates, including the identity of a person stated in a certificate or their authority to represent a company within the Carl Zeiss Group, is excluded except in cases of intent or gross negligence.

### **7 Applicable agreements, certification practice statement, certificate policy**

The creation and application of Carl Zeiss AG certificates is based on the certification directives of the Carl Zeiss AG email CA.

The basis for the application of Carl Zeiss AG certificates by subscribers and relying parties is the present PKI disclosure statement alone.

### **8 Data protection directives**

The obligation to data protection, which every Carl Zeiss AG employee must sign, is also valid when applying for certificates.

### **9 Reimbursement directives**

Not applicable.

### **10 Governing Law and settlement of disputes clauses**

The contract shall be governed by German law. The place of jurisdiction for all disputes shall be, at our discretion, our domicile or the domicile of the relying party; for lawsuits of the relying party jurisdiction shall be solely the domicile of the company of the Carl Zeiss Group that uses these conditions. Any statutory regulations governing exclusive jurisdictional responsibilities shall remain unaffected.

### **11 CA and certificate directory licenses, confidentiality trademarks and audit**

The Carl Zeiss AG PKI is subject to the general version of the Carl Zeiss AG.

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<sup>1</sup> Verification of the certificate for authentication is only relevant if a web mailer is used, which requires an SSL server certificate.

## 12 Abbreviations and Terms

<b>CA</b>	<b>Certification Authority</b>
<b>CP</b>	<b>Certificate Policy</b>
<b>CPS</b>	<b>Certification Practice Statement</b>
<b>CRL</b>	<b>Certificate Revocation List</b>
<b>HTTP</b>	<b>Hypertext Transfer Protocol</b>
<b>PDS</b>	<b>PKI Disclosure Statement</b>
<b>PGP</b>	<b>Pretty Good Privacy</b>
<b>PKI</b>	<b>Public Key Infrastructure</b>

### Subscribers

In general, subscribers are natural

persons employed by Carl Zeiss AG. Additionally, the Carl Zeiss AG operating CA issues server certificates.

### Relying Parties

Relying parties verify the authenticity of a subscriber based on a certificate from the Carl Zeiss operating CA. A relying party can also be a subscriber.

## 13 Information on the document

### Change record

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