SLOVENSKI STANDARD
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Elektronski podpisi in infrastruktura (ESI) - Zahteve politike in varnosti za ponudnike storitev zaupanja, ki izdajajo digitalna potrdila - 2. del: Zahteve za ponudnike storitev zaupanja, ki izdajajo kvalificirana digitalna potrdila v EU

Electronic Signatures and Infrastructures (ESI) - Policy and security requirements for Trust Service Providers issuing certificates - Part 2: Requirements for trust service providers issuing EU qualified certificates

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35.030	Informacijska varnost	IT Security
35.040.01	Kodiranje informacij na splošno	Information coding in general

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Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 2: Requirements for trust service providers issuing EU qualified certificates

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Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Electronic Signatures and Infrastructures (ESI).

The present document is part 2 of a multi-part deliverable covering policy requirements for Trust Service Providers issuing certificates. Full details of the entire series can be found in part 1 [2].

The present document is derived from the requirements specified in ETSI TS 101 456 [i.2].

National transposition dates	
Date of adoption of this EN:	4 October 2023
Date of latest announcement of this EN (doa):	31 January 2024
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 July 2024
Date of withdrawal of any conflicting National Standard (dow):	31 July 2024

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

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Introduction

The Regulation (EU) No 910/2014 [i.1] establishes a legal framework for electronic signature and electronic seal and for website authentication services. These concepts can be commonly achieved by using cryptographic mechanisms. Electronic signatures and seals implemented by this way are digital signatures. Cryptographic mechanisms are generally supported by a Trust Service Provider (TSP) issuing public key certificates, commonly called a Certification Authority (CA).

By providing general policy and security requirements for trust service providers issuing certificates, the part 1 of the series ETSI EN 319 411-1 [2], is aiming to meet the general requirements of the international community to provide trust and confidence in electronic transactions including, amongst others, requirements from Regulation (EU) No 910/2014 [i.1] and from CA/Browser Forum documents BRG [i.3] and EVCG [i.7].

The present document incorporates the general policy and security requirements as specified in ETSI EN 319 411-1 [2] and adds further requirements in order to meet the specific requirements of Regulation (EU) N° 910/2014 for TSPs issuing EU qualified certificates for electronic signatures and/or EU qualified certificates for electronic seals and/or EU qualified certificates for website authentication in accordance with but not limited to Articles 19, 24, 28, 38 and 45 of Regulation (EU) No 910/2014 [i.1].

Bodies wishing to establish policy requirements for TSPs issuing certificates in a regulatory context other than the EU can build their specifications on the general policy requirements specified in ETSI EN 319 411-1 [2] to benefit from global best practices, and specify any additional requirements in a manner similar to the present document.

Conformance to the present document on its own does not imply that the TSP, nor the certificates issued by the TSP, are qualified in accordance with Regulation (EU) No 910/2014 [i.1].

1 Scope

The present document specifies policy and security requirements for the issuance, maintenance and life-cycle management of EU qualified certificates as defined in Regulation (EU) No 910/2014 [i.1]. These policy and security requirements support reference certificate policies for the issuance, maintenance and life-cycle management of EU qualified certificates issued to natural persons (including natural persons associated with a legal person or a website) and to legal persons (including legal persons associated with a website), respectively.

The present document does not specify how the requirements identified can be assessed by an independent party, including requirements for information to be made available to such independent assessors, or requirements on such assessors.

NOTE: See ETSI EN 319 403 [i.6] for guidance on assessment of TSP's processes and services. The present document references ETSI EN 319 411-1 [2] for general requirements on TSP issuing certificates.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at https://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

[1] ETSI EN 319 401: "Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers".

[2] ETSI EN 319 411-1: "Electronic Signatures and Infrastructures (ESI); Policy and security requirements for trust service providers issuing certificates; Part 1: General requirements".

[3] ETSI EN 319 412-5: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 5: QCStatements".

[4] ISO/IEC 9594-8/Recommendation ITU-T X.509: "Information technology - Open Systems Interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC.

[i.2] ETSI TS 101 456: "Electronic Signatures and Infrastructures (ESI); Policy requirements for certification authorities issuing qualified certificates".

[i.3] CA/Browser Forum: "Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates".

NOTE: The version is as referenced in ETSI EN 319 411-1 [2].

[i.4] IETF RFC 3647: "Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework".

[i.5] Directive 95/46/EC of the European Parliament and of the Council of 24 October 1995 on the protection of individuals with regard to the processing of personal data and on the free movement of such data.

[i.6] ETSI EN 319 403: "Electronic Signatures and Infrastructures (ESI); Trust Service Provider Conformity Assessment - Requirements for conformity assessment bodies assessing Trust Service Providers".

[i.7] CA/Browser Forum: "Guidelines for The Issuance and Management of Extended Validation Certificates".

NOTE: The version is as referenced in ETSI EN 319 411-1 [2].

[i.8] ETSI TS 119 612: "Electronic Signatures and Infrastructures (ESI); Trusted Lists".

[i.9] IETF RFC 6960: "Internet X.509 Public Key Infrastructure Online Certificate Status Protocol - OCSP".

[i.10] ETSI TR 119 411-4: "Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 4: Checklist supporting audit of TSP against ETSI EN 319 411-1 or ETSI EN 319 411-2".

[i.11] Commission implementing decision (EU) 2015/1505 of 8 September 2015 laying down technical specifications and formats relating to trusted lists pursuant to Article 22(5) of Regulation (EU) No 910/2014 of the European Parliament and of the Council on electronic identification and trust services for electronic transactions in the internal market.

[i.12] ETSI TS 119 615: "Electronic Signatures and Infrastructures (ESI); Trusted Lists; Procedures for using and interpreting European Union Member States national trusted lists".

[i.13] ETSI TS 119 172-4: "Electronic Signatures and Infrastructures (ESI); Signature policies; Part 4: Signature applicability rules (validation policy) for European qualified electronic signatures/seals using trusted lists".

3 Definition of terms, symbols, abbreviations and notations

3.1 Terms

For the purposes of the present document, the terms given in ETSI EN 319 401 [1], ETSI EN 319 411-1 [2], Regulation (EU) No 910/2014 [i.1] and the following apply:

EU Qualified Certificate: Qualified Certificate as specified in Regulation (EU) No 910/2014 [i.1].

Qualified electronic Signature/Seal Creation Device (QSCD): As specified in Regulation (EU) No 910/2014 [i.1].

3.2 Symbols

Void.