

ETSI EN 319 412-5 V2.4.1 (2023-09)



Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 5: QCStatements

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ReferenceREN/ESI-0019412-5

Keywordse-commerce, electronic signature, security, trust services

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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 5 of multi-part deliverable covering the Certificate Profiles. Full details of the entire series can be found in part 1 [i.1].

The present document was previously published as ETSI TS 101 862 [i.4].

National transposition dates

Date of adoption of this EN:	21 September 2023
Date of latest announcement of this EN (doa):	31 December 2023
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 June 2024
Date of withdrawal of any conflicting National Standard (dow):	30 June 2024

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Introduction

ITU and ISO issued standards for certification of public keys in Recommendation ITU-T X.509 | ISO/IEC 9594-8 [i.7] which are used for the security of communications and data for a wide range of electronic applications.

The IETF qualified certificate profile, IETF RFC 3739 [2] defines an extension to X.509 certificates, the `qcStatements` extension, which can include statements relevant for qualified certificates. IETF RFC 3739 [2] defines qualified certificates in a general context as "a certificate whose primary purpose is to identify a person with a high level of assurance, where the certificate meets some qualification requirements defined by an applicable legal framework". The use of IETF RFC 3739 [2] `qcStatements` in the present document goes beyond the scope of the RFC which is directed at natural persons only.

The `qcStatements` certificate extension can contain any statement by the certificate issuer that can be useful to the relying party in determining the applicability of the certificate for an intended usage. Such statement can be a declaration that the certificate fulfils specific legal requirements for qualified certificates according to a defined legal framework.

The present document is aiming to meet the general requirements of the international community to provide trust and confidence in electronic transactions including, amongst others, applicable requirements from Regulation (EU) No 910/2014 [i.8] Annexes I, III and IV.

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1 Scope

The present document defines specific QCStatement for the qcStatements extension as defined in IETF RFC 3739 [2], clause 3.2.6, including requirements for their use in EU qualified certificates. Some of these QCStatements can be used for other forms of certificate.

The QCStatements defined in the present document can be used in combination with any certificate profile, either defined in ETSI EN 319 412-2 [i.2], ETSI EN 319 412-3 [i.5] and ETSI EN 319 412-4 [i.6], or defined elsewhere.

The QCStatements defined in clause 4.3 can be applied to regulatory environments outside the EU. Other requirements specified in clause 4 are specific to Regulation (EU) No 910/2014 [i.8] but may be adapted for other regulatory environments.

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.

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

- [1] [ISO 639-1:2002](#): "Codes for the representation of names of languages -- Part 1: Alpha-2 code".
- [2] [IETF RFC 3739](#): "Internet X.509 Public Key Infrastructure: Qualified Certificates Profile".
- [3] Recommendations ITU-T [X.680](#), [X.681](#), [X.682](#), [X.683](#): "Information technology - Abstract Syntax Notation One (ASN.1)".
- [4] [ISO 4217](#): "Currencies codes".
- [5] [IETF RFC 2818](#): "HTTP Over TLS".
- [6] [ISO 3166-1](#): "Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes".

2.2 Informative references

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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] ETSI EN 319 412-1: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 1: Overview and common data structures".
- [i.2] ETSI EN 319 412-2: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 2: Certificate Profile for certificates issued to natural persons".