

<b>STN</b>	<b>Elektronické podpisy a infraštruktúry (ESI) Profily certifikátu Časť 1: Prehľad a spoločné dátové štruktúry</b>	<b>STN EN 319 412-1 V1.4.4</b>  87 9412
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Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 1: Overview and common data structures

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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**Electronic Signatures and Infrastructures (ESI);  
Certificate Profiles;  
Part 1: Overview and common data structures**

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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 1 of a multi-part deliverable covering the Certificate Profiles, as identified below:

- Part 1: "Overview and common data structures";**
- Part 2: "Certificate profile for certificates issued to natural persons";
- Part 3: "Certificate profile for certificates issued to legal persons";
- Part 4: "Certificate profile for web site certificates";
- Part 5: "QCStatements".

The present document was previously published as ETSI TS 119 412-1 [i.14].

<b>National transposition dates</b>	
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Date of withdrawal of any conflicting National Standard (dow):	28 February 2022

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## Modal verbs terminology

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## Introduction

ITU and ISO issued standards for certification of public keys in Recommendation ITU X.509 | ISO/IEC 9594-8 [i.3] which are used for the security of communications and data for a wide range of electronic applications.

Regulation (EU) No 910/2014 [i.9] 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 defines requirements on specific types of certificates named "qualified certificates". Implementation of Directive 1999/93/EC [i.1], superseded by the Regulation (EU) No 910/2014 [i.9], and deployment of certificate infrastructures throughout Europe as well as in countries outside of Europe, have resulted in a variety of certificate implementations for use in public and closed environments, where some are declared as qualified certificates while others are not.

Applications need support from standardized and interoperable identity certificate profiles, in particular when applications are used for electronic signatures, authentication and secure electronic exchange in open environments and international trust scenarios, but also when certificates are used in local application contexts.

This multi-part deliverable aims to maximize the interoperability of systems issuing and using certificates both in the European context under the Regulation (EU) No 910/2014 [i.9] and in the wider international environment.

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# 1 Scope

The present document provides an overview of the Recommendation ITU-T X.509 | ISO/IEC 9594-8 [i.3] based certificate profiles and the statements for EU Qualified Certificates specified in other parts of ETSI EN 319 412 ([i.4] to [i.7]). It specifies common data structures that are referenced from other parts of ETSI EN 319 412 ([i.4] to [i.7]).

The profiles specified in this multi-part deliverable aim to support both the Regulation (EU) No 910/2014 [i.9] and use of certificates in a wider international context. Within the European context, it aims to support both EU Qualified Certificates and other forms of certificate.

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## 2 References

### 2.1 Normative references

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

- [1] IETF RFC 3739: "Internet X.509 Public Key Infrastructure: Qualified Certificates Profile".
- [2] ISO 3166-1: "Codes for the representation of names of countries and their subdivisions--Part 1: Country code".
- [3] ETSI TS 119 495: "Electronic Signatures and Infrastructures (ESI); Sector Specific Requirements; Qualified Certificate Profiles and TSP Policy Requirements under the payment services Directive (EU) 2015/2366".
- [4] ISO 17442: "Financial services - Legal Entity Identifier (LEI)".
- [5] eIDAS: "SAML Attribute Profile v1.2", 31 August 2019.

NOTE: available at <https://ec.europa.eu/cefdigital/wiki/download/attachments/82773108/eIDAS%20SAML%20Attribute%20Profile%20v1.2%20Final.pdf?version=2&modificationDate=1571068651772&api=v2>.

- [6] IETF RFC 5912: "New ASN.1 Modules for the Public Key Infrastructure Using X.509 (PKIX)".

### 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] Directive 1999/93/EC of the European Parliament and of the Council of 13 December 1999 on a Community framework for electronic signatures.

- [i.2] ETSI EN 319 401: "Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers".
- [i.3] Recommendation ITU-T X.509 | ISO/IEC 9594-8: "Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks".
- [i.4] ETSI EN 319 412-2: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 2: Certificate Profile for certificates issued to natural persons".
- [i.5] ETSI EN 319 412-3: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 3: Certificate Profile for certificates issued to legal persons".
- [i.6] ETSI EN 319 412-4: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 4: Certificate Profile for web site certificates".
- [i.7] ETSI EN 319 412-5: "Electronic Signatures and Infrastructures (ESI) ; Certificate Profiles; Part 5: QCStatements".
- [i.8] IETF RFC 5246: "The Transport Layer Security (TLS) Protocol Version 1.2".
- [i.9] 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.10] Recommendation ITU-T X.520 (10/2012): "Information technology - Open Systems Interconnection - The Directory: Selected attribute types".
- [i.11] IETF RFC 5280: "Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile".
- [i.12] Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax.
- [i.13] Directive (EU) 2015/2366 of the European Parliament and of the Council of 25 November 2015 on payment services in the internal market, amending Directives 2002/65/EC, 2009/110/EC and 2013/36/EU and Regulation (EU) No 1093/2010, and repealing Directive 2007/64/EC.
- [i.14] ETSI TS 119 412-1: "Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 1: Overview and common data structures".

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