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Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers

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); General Policy Requirements for Trust Service Providers

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ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Contents

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Foreword

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

National transposition dates	
Date of adoption of this EN:	12 May 2021
Date of latest announcement of this EN (doa):	31 August 2021
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	28 February 2022
Date of withdrawal of any conflicting National Standard (dow):	28 February 2022

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

Building trust in the online environment is key to economic and social development. Lack of trust, in particular because of a perceived lack of security, makes consumers, businesses and administrations hesitate to carry out transactions electronically and to adopt new services. Trust service providers are often an essential element to establish trust between parties transacting electronically, particularly in open public networks, and can be used, for example, to provide trusted identity information and help establish secure communications between transacting parties. Examples of such trust service providers are issuers of public key certificates, time-stamping service providers, providers of remote electronic signature generation or validation services.

For participants of electronic commerce to have confidence in the security of these trust services they need to have confidence that the Trust Service Providers (TSPs) have established a set of procedures, processes and security measures in order to minimize the operational and financial threats and risks associated.

The present document specifies baseline policy requirements on the operation and management practices of TSP regardless the service they provide. Other standards, addressing particular type of trust service, can build on the present document to identify supplement requirements for particular type of trust service.

The present document is aiming to meet the general requirements to provide trust and confidence in electronic transactions including, amongst others, applicable requirements from Regulation (EU) No 910/2014 [i.2] and those from CA/Browser Forum [i.4].

EXAMPLE: ETSI EN 319 411-2 [i.11] annex A describes the application of the present document to the requirements of Regulation (EU) No 910/2014 [i.2] requirements for TSPs issuing EU qualified certificates.

1 Scope

The present document specifies general policy requirements relating to Trust Service Providers (TSPs) that are independent of the type of TSP. It defines policy requirements on the operation and management practices of TSPs.

Other specifications refine and extend these requirements as applicable to particular forms of TSP. 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 details about requirements for conformity assessment bodies assessing Trust Service Providers.

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.

Not applicable.

2.2 Informative references

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

[i.1] 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.2] 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.3] ISO/IEC 27002:2013: "Information technology - Security techniques - Code of practice for information security management".

[i.4] CA/Browser Forum: "Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates".

[i.5] ISO/IEC 27005:2011: "Information technology - Security techniques - Information security risk management".

[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: "Network and certificate system security requirements".

[i.8] Recommendation ITU-R TF.460-6 (2002): "Standard-frequency and time-signal emissions".

[i.9] ETSI EN 319 411-1: "Electronic Signatures and Infrastructures (ESI); Policy and Security Requirements for Trust Service Providers issuing certificates; Part 1: General requirements".

[i.10] ETSI EN 301 549: "Accessibility requirements for ICT products and services".

[i.11] ETSI EN 319 411-2: "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".

[i.12] Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC.

[i.13] ETSI TS 119 431-1: "Electronic Signatures and Infrastructures (ESI); Policy and security requirements for trust service providers; Part 1: TSP service components operating a remote QSCD / SCDev".

[i.14] ISO/IEC 27701:2019: "Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines".

Those identified in clause 4.4 of ETSI EN 319 411-1 [i.9]. Also, ETSI TS 119 431-1 [i.13] defines requirements for a Server Signing Application Service Component (SSASC) which can be implemented as part of TSP's service which also includes other service components.