

Technical Specifications issued pursuant to
Article 44.12 of the CSP Regulations
*for qualified trust service providers
provisioning qualified electronic signature or
electronic seal creation devices as a
qualified trust service*

February 25, 2024

Article 1: Definitions

1. The terms, words, and phrases used in these technical specifications shall have the same meaning as are ascribed to them in the Electronic Commerce and Transactions Law promulgated by Decree Law No. 16 of 2010 as amended or repealed and the Regulation of Certification Service Providers issued under the Communications Regulatory Authority President Decision No. [X] of 2024 ("CSPs Regulation"), unless these specifications expressly provides for otherwise. For the purposes of these technical specifications, the following terms and words shall have the meanings ascribed to them below:

"The Authority"	the Communications Regulatory Authority ("the CRA");
"Law"	the Electronic Commerce and Transactions Law promulgated by Decree Law No. 16 of 2010 or any amendment or law which repeals and replaces such Law;
"CSPs Regulation"	Regulation issued on the Licensing and the activities performed by Certification Service Providers under CRA President Decision No[X] of 2024
"Conformity Assessment"	an audit conducted to determine the extent of conformity of a License applicant and Licensees with the conditions, controls and standards adopted under the Law, "CSPs Regulation" and the decisions issued in implementation thereof;
"Conformity Assessment Body" (CAB)	the body that conducts a Conformity Assessment based on the controls and conditions set by the Authority and fulfils the requirements of Article (18) of the "CSPs Regulation";
"Conformity Assessment Report" (CAR)	the report resulting from a Conformity Assessment and issued by a Conformity Assessment Body;
"Trust Service Provider" (TSP)	A Certification Service Provider licensed to provide a trust service.
"Trust Service" (TS)	A service listed in paragraph 1 of Article (2) of the "CSPs Regulation", which is provided in accordance with the applicable requirements laid down in the "CSPs Regulation".
"Qualified Trust Service Provider (QTSP)"	A Certification Service Provider licensed to provide a qualified trust service, and which is granted a qualified status by the Authority.
"Qualified Trust Service (QTS)"	A service listed in paragraph 2 of Article (2) of the "CSPs Regulation", which is provided in accordance with the applicable requirements laid down in the "CSPs Regulation"

“License”	an authorization issued pursuant to the provisions of the Law and its “CSPs Regulation”, according to which a Licensee is allowed to carry out any of the Trust Services or Qualified Trust Services;
“Licensee”	a legal person who is licensed by the Authority in accordance with the provisions of the Law and its “CSPs Regulation”;
“National Accreditation Body” (NAB)	the sole body in the State or in a foreign country that performs accreditation with authority derived from the State or the foreign country.
“Qatar Trusted List”	The trusted list published by the Communications Regulatory Authority.

Article 2: Provision of qualified signature creation devices

1. Pursuant to Article 44.12. of the “CSPs Regulation”, qualified trust service providers provisioning qualified electronic signature creation devices as a qualified trust service shall comply with the requirements laid down in Annex I of these technical specifications.

Article 3: Provision of qualified seal creation devices

1. Pursuant to Article 44.12. of the “CSPs Regulation”, qualified trust service providers provisioning qualified electronic seal creation devices as a qualified trust service shall comply mutatis mutandis with the requirements laid down in Annex I of these technical specifications.

Annex I: Technical requirements for qualified trust service providers provisioning qualified signature creation devices

I.1 General requirements

1. The qualified trust service provider provisioning qualified signature creation devices as a qualified trust service shall conform to [ETSI EN 319 401], as amended according to [TSP-GEN] technical specifications, and the relevant parts of [ETSI EN 319 411-2] with the amendments provided in the subsequent clauses of the present Annex, which have precedence on those specifications.
2. All references to ETSI EN 319 401 made directly or indirectly in [ETSI EN 319 411-2] shall be understood as referring to the version of that standard amended according to [TSP-GEN] technical specifications.
3. All references to ETSI EN 319 411-1 made directly or indirectly in [ETSI EN 319 411-2] shall be understood as referring to the version of that standard amended according to Annex IV of [TSP-CA] technical specifications.
4. All mentions of “(EU) advanced electronic signatures” and “(EU) advanced electronic seal” in [ETSI EN 319 411-2], [ETSI EN 319 411-1] and [ETSI EN 319 401] shall read respectively as “Qatar advanced electronic signatures” and to “Qatar advanced electronic seals” as defined in the [“CSPs Regulation”].
5. All mentions of “(EU) qualified electronic signatures” and “(EU) qualified electronic seal” in [ETSI EN 319 411-2], [ETSI EN 319 411-1] and [ETSI EN 319 401] shall read respectively as “Qatar qualified electronic signatures” and to “Qatar qualified electronic seals” as defined in the [“CSPs Regulation”].
6. All mentions of “Regulation (EU) No 910/2014” in [ETSI EN 319 411-2], [ETSI EN 319 411-1] or [ETSI EN 319 401] shall read “[“CSPs Regulation”]”.
7. Requirements stated in [ETSI EN 319 411-2], [ETSI EN 319 411-1] or [ETSI EN 319 401] as applicable to "EU qualified certificates" shall apply mutatis mutandis to qualified certificates issued under the [“CSPs Regulation”].
8. All mentions of "EUMS trusted list" in [ETSI EN 319 411-2], [ETSI EN 319 411-1] or [ETSI EN

319 401] shall read as “Qatar trusted list” as defined in the [“CSPs Regulation”].

I.2 Trust service policy and trust service practice statement

1. The qualified trust service provider’s qualified trust service policies and qualified trust service practice statement shall be identified by means of unique object identifiers of the form required in ITU-T Recommendation [X.509].
2. The qualified trust service provider shall publicly disclose its qualified trust service policies, its qualified trust service practice statements, and their revisions through an online means that is available on a 24x7 basis.
3. The qualified trust service provider shall publish qualified trust service disclosure statement(s) (QTSDS) that summarize key points of its qualified trust service policy(ies) for the benefit of subscribers and relying parties.
4. The qualified trust service provider shall publish an English translation of its qualified trust service practice statements, qualified trust service policies and qualified trust service disclosure statement(s).

I.3 Provisions related to the inclusion of the related qualified trust service in the Qatar trusted list

1. The qualified trust service provider shall have for each instance of the provision of qualified signature creation device as a qualified trust service it provides, one service digital identifier as defined in clause 5.5.3 of [ETSI TS 119 612] which allows to uniquely and unambiguously identify the service within the Qatar trusted list as specified hereafter.
2. In case no PKI public key technology is used to identify a qualified trust service consisting in the provisioning of qualified signature creation device as a qualified trust service, the qualified trust service is identified in the Qatar trusted list by means of an indicator expressed by a URI which uniquely and unambiguously identifies the qualified trust service.

References

Reference	Title
[Law]	the Electronic Commerce and Transactions Law promulgated by Decree Law No. 16 of 2010 or any amendment or law which repeals and replaces such Law;
[CSPs Regulation]	The Regulation on the Licensing and the Work of Certification Service Providers of 2024
[TSP-GEN]	Technical Specifications on the General Requirements issued pursuant to Certified Service Providers Regulations on technical controls applicable to trust service providers or qualified trust service providers and the trust services or qualified trust services provided.
[TSP-CA]	Technical Specifications pursuant to Articles 41.9 & 48.10 for the Specific provisions for (Qualified) trust service providers issuing (Qualified) certificates for electronic signatures or for electronic seals
[X.509]	ISO/IEC 9594-8/Recommendation ITU-T X.509: Information technology - Open Systems Interconnection - The Directory - Part 8: Public-key and attribute certificate frameworks.
[ETSI EN 319 401]	ETSI EN 319 401 v2.3.1 (2021-05): Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers
[ETSI EN 319 411-1]	ETSI EN 319 411-1 v1.4.1 (2023-10): Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 1: General requirements
[ETSI EN 319 411-2]	ETSI EN 319 411-2 v2.5.1 (2023-10): 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
[ETSI TS 119 612]	ETSI TS 119 612 v2.1.1 (2015-07): Electronic Signatures and Infrastructures (ESI); Trusted Lists