

*Technical Specifications pursuant to Article
54.4 of the CSP Regulations for the
provisions for qualified trust service
providers issuing qualified electronic time
stamps*

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ascribed to them in the Electronic Commerce and Transactions Law promulgated by Decree Law No. 16 of 2010 as amended or repealed and the Regulation of Certification Service Providers issued under the Communications Regulatory Authority President Decision No. [X] of 2024 ("CSPs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 issued under CRA President Decision No. [x] of 2024; ("CSPs Regulation")
"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 time stamps qualified trust service

1. Pursuant to Article 54.4. of the “CSPs Regulation”, qualified trust service providers provisioning qualified time stamps shall comply with the requirements laid down in Annex I of these technical specifications.

Annex I: Technical requirements for qualified trust service providers provisioning qualified time stamps

I.1 General requirements

1. The qualified trust service provider issuing qualified time stamps shall conform to [ETSI EN 319 421] and [ETSI EN 319 422] with the amendments provided in the subsequent clauses of the present Annex, which have precedence on specifications from [ETSI EN 319 421] and [ETSI EN 319 422].
2. All references to [ETSI EN 319 401] made directly or indirectly in [ETSI EN 319 421] and [ETSI EN 319 422] shall be understood as referring to the version of that standard amended according to [TSP-GEN] technical specifications.
3. All mentions of “trust service provider” in [ETSI EN 319 421] and in [ETSI EN 319 422] shall

be understood as “qualified trust service provider as defined in the [“CSPs Regulation”]”, including all mentions present in the amendments provided in the present annex.

4. All mentions of “trust service” in [ETSI EN 319 421] and in [ETSI EN 319 422] shall be understood as “qualified trust service as defined in the [“CSPs Regulation”]”, including all mentions present in the amendments provided in the present annex.
5. All mentions of "EU qualified certificates" in [ETSI EN 319 421] and [ETSI EN 319 422] shall read "Qatar qualified certificates".
6. All mentions of "Regulation (EU) No 910/2014" in [ETSI EN 319 421] and [ETSI EN 319 422] shall read "[“CSPs Regulation”]”.
7. All mentions of “(EU) qualified electronic signatures” and “(EU) qualified electronic seal” in [ETSI EN 319 421] and [ETSI EN 319 422] shall read respectively as “Qatar qualified electronic signatures” and to “Qatar qualified electronic seals” as defined in the [“CSPs Regulation”].

I.2 Time stamping policy and time stamping practice statement

1. The qualified trust service provider's time stamping policies and time stamping practice statements shall be structured in accordance with [ETSI EN 319 421].
2. The qualified trust service provider's time stamping policies and practice statements shall be identified by means of unique object identifiers of the form required in ITU-T Recommendation [X.509].
3. The qualified trust service provider shall publicly disclose its time stamping policies, its time stamping practice statements, and their revisions through an online means that is available on a 24x7 basis.
4. The qualified trust service provider shall publish time stamping authority disclosure statement(s) that summarize key points of its time stamping policy(ies) for the benefit of subscribers and relying parties.
5. The time stamping authority disclosure statement(s) shall be structured in accordance with Annex B of [ETSI EN 319 421].

6. The qualified trust service provider shall publish an English translation of its time stamping policies, time stamping practice statement(s) and time stamping authority disclosure statements.

I.3 Issuance and management of qualified time stamps

1. The time stamping provisioning system used by the qualified trust service provider to issue qualified time stamps should be certified against [CEN TS 419 261] and [CEN EN 419 231].
2. Clause 7.7.1 item d) of [ETSI EN 319 421] is amended so it reads: “The time stamp shall be signed by means of a qualified electronic signature or qualified electronic seal as specified in the [“CSPs Regulation”], using a key generated exclusively for this purpose.”
3. Annex A of [ETSI EN 319 422] is amended so it reads: “When the time-stamp token is issued by a qualified trust service provider providing qualified time stamps then the `policy` field in the `TSTInfo` shall include the identifier of the time stamping policy which reflects the practices and procedures undertaken by the time stamping authority and that is established and managed by the time stamping authority.”

I.4 Provisions related to the inclusion of the issuance of qualified time stamps qualified trust service in the Qatar trusted list

1. A qualified trust service consisting in the issuance of qualified time stamps is identified in the Qatar trusted list by means of:
 - a. a qualified certificate of a time stamping unit,
 - b. an issuing certificate authority, operated by the qualified trust service provider, only for its own use, issuing only qualified certificates for electronic signatures or for electronic seals that shall only be used for creating qualified electronic signatures or qualified electronic seals on qualified time stamps issued by the qualified trust service provider.
2. In case of paragraph 1.a of the present section, as many services shall be included in the Qatar trusted list as there are time stamping units used by the qualified trust service provider.
3. In case of paragraph 1.b of the present section, the confirmation by an Authority-approved conformity assessment body and the verification by the Authority of the conformity of the

qualified trust service provider and the qualified trust service it provides with the requirements of the Law, the “CSPs Regulation” and of the applicable technical controls of the Law and the “CSPs Regulation” shall demonstrate that the issuing certificate authority meet these requirements.

4. The qualified trust service provider shall not issue any data object that might be interpreted as qualified time stamps when those data objects do not meet the requirements for qualified time stamps laid down in the “CSPs Regulation”.

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.
[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 319 421]	ETSI EN 319 421 V1.2.1 (2023-05): Electronic Signatures and Infrastructures (ESI); Policy and Security Requirements for Trust Service Providers issuing Time-Stamps
[ETSI EN 319 422]	ETSI EN 319 422 V1.1.1 (2016-03): Electronic Signatures and Infrastructures (ESI); Time-stamping protocol and time-stamp token profiles
[CEN EN 419 231]	CEN EN 419 231: Protection profile for trustworthy systems supporting time stamping.
[CEN TS 419 261]	CEN TS 419 261: Security requirements for trustworthy systems managing certificates and time stamps