

*Technical specifications pursuant to Article
52.6 of the CSP Regulations
for qualified trust service providers providing
the qualified preservation service of
qualified electronic signatures and qualified
electronic seals*

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ascribed to them in the Electronic Commerce and Transactions Law promulgated by Decree Law No. 16 of 2010 as amended or repealed and the Regulation of Certification Service Providers issued under the Communications Regulatory Authority President Decision No. [X] of 2024 ("CSPs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 of 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: Qualified preservation of qualified electronic signatures

1. Pursuant to Article 52.6. of the “CSPs Regulation”, qualified trust service providers providing the qualified preservation of qualified electronic signatures shall comply with the requirements laid down in Annex I of these Technical Specifications.

Article 3: Qualified preservation of qualified electronic seals

1. Pursuant to Article 52.6. of the “CSPs Regulation”, qualified trust service providers providing the qualified preservation of qualified electronic seals 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 providing the qualified preservation of qualified electronic signatures

I.1 General requirements

1. The qualified trust service provider providing the qualified preservation of qualified electronic signatures shall conform to [ETSI TS 119 511] and [ETSI TS 119 512] with the amendments provided in the subsequent articles of the present document, which have precedence on specifications from [ETSI TS 119 511] and [ETSI TS 119 512].
2. The preservation goal of the qualified trust service provider's qualified preservation service shall be the "Preservation of Digital Signatures" defined in clause 4.2 [ETSI TS 119 512].

NOTE: The requirements corresponding to that goal are tagged as [PDS] in [ETSI TS 119 511].

3. All mentions of "trust service provider" in [ETSI TS 119 511] and in [ETSI TS 119 512] 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 TS 119 511] and in [ETSI TS 119 512] 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 References to [ETSI EN 319 401] made directly or indirectly in [ETSI TS 119 511] and [ETSI TS 119 512] shall be understood as referring to the version of that standard amended according to [TSP-GEN] Technical Specifications.
6. All mentions of "EU qualified certificates" in [ETSI TS 119 511] and [ETSI TS 119 512] shall read "Qatar qualified certificates".
7. All mentions of "Regulation (EU) No 910/2014" in [ETSI TS 119 511] and [ETSI TS 119 512] shall read "[["CSPs Regulation"]"]".
8. All mention of "(EU) advanced electronic signatures" and "(EU) advanced electronic seal" in

[ETSI TS 119 511] and [ETSI TS 119 512] shall read respectively as “Qatar advanced electronic signatures” and to “Qatar advanced electronic seals” as defined in the [“CSPs Regulation”].

9. All mentions of “(EU) qualified electronic signatures” and “(EU) qualified electronic seal” in [ETSI TS 119 511] and [ETSI TS 119 512] shall read respectively as “Qatar qualified electronic signatures” and to “Qatar qualified electronic seals” as defined in the [“CSPs Regulation”].
10. All mentions of “EUMS trusted list” in [ETSI TS 119 511] shall read as “Qatar trusted list” as defined in the [“CSPs Regulation”].

I.2 Preservation policies and Preservation service practice statement

1. The qualified trust service provider’s preservation service policies and preservation evidence policies (hereafter “preservation policies”) as well as its preservation service practice statement(s) shall be established and structured in accordance with [ETSI TS 119 511].
2. The preservation evidence policy shall be included directly or by reference in the preservation evidence. If the preservation evidence policy is included in the preservation evidence, it shall be cryptographically protected.
3. The qualified trust service provider’s preservation service policies, preservation evidence policies and preservation service practice statements shall be identified by means of unique object identifiers of the form required in ITU-T Recommendation [X.509].
4. The qualified trust service provider shall publicly disclose its preservation policies, its preservation service practice statement, and their revisions through an online means that is available on a 24x7 basis.
5. The qualified trust service provider shall publish preservation service disclosure statement(s) that summarize key points of its preservation policy(ies) for the benefit of subscribers and relying parties.
6. The qualified trust service provider shall publish an English translation of its preservation service practice statement, preservation policies, preservation evidence policies and preservation service disclosure statement(s).

I.3 Preservation process

1. The preservation service trustworthy systems used by the qualified trust service provider to provide qualified preservation services should be certified against an appropriate standard or protection profile.
2. [RFC 3161] time stamps added by the qualified trust service provider within the preservation evidence shall be qualified electronic time stamps conformant with the Law, the “CSPs Regulation” and of the related technical controls of the Law and the “CSPs Regulation”.
3. Preservation evidences shall be signed by means of a qualified electronic signature or a qualified electronic seal.

I.4 Termination

1. Clause OVR-7.12-02 [WST] of section 7.12 of [ETSI TS 119 511] is amended to add the following clauses:
 - The qualified trust service provider shall provide for transfer procedures to ensure the integrity and operability of all preservation objects (POs), either to the original applicant or to another qualified trust service provider providing qualified preservation service for qualified electronic signatures with the express agreement of the original applicant.
 - These elements shall be legible and understandable by the recipient and must be in a format that allows them to be used correctly.
 - The reliability of qualified electronic signatures shall not be affected by this transfer.
 - The qualified trust service provider may refuse the qualified preservation of qualified electronic signatures provided in proprietary formats, if it considers that it is not possible for it to be legible in time and provided the applicant/subscriber is duly informed before subscribing to the service.

I.5 Provisions related to the inclusion of the the qualified preservation of qualified electronic signatures qualified trust service in the Qatar trusted list

1. A qualified trust service consisting in the provisioning of qualified preservation service for qualified electronic signatures is identified in the Qatar trusted list by means of:

- a. A qualified electronic certificate of the qualified trust service provider, corresponding to the private key used to sign or seal preservation service evidences or acknowledgment receipts of preservation requests;
 - b. A qualified certificate of an issuing certificate authority, operated by a qualified trust service provider, only for the use of the qualified trust service provider providing qualified preservation services, 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 preservation service evidences, or acknowledgment receipt of preservation requests, issued by the qualified trust service provider; or
 - c. In case no PKI public key technology is used to identify the preservation qualified trust service, an indicator expressed by a URI which uniquely and unambiguously identifies the qualified preservation service.
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 private/public key pairs used by the qualified trust service provider.
 3. In case of paragraph 1.b of the present section, the confirmation by an accredited 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, “CSPs Regulation” and of the applicable technical controls of the Law and the “CSPs Regulation” shall demonstrate that the issuing certificate authority meets these requirements.
 4. The qualified trust service provider shall not issue any data object that might be interpreted as qualified preservation evidences when those data objects do not meet the requirements for qualified preservation evidences laid down in the Law.

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.
[RFC 3161]	IETF RFC 3161: "Internet X.509 Public Key Infrastructure Time-Stamp Protocol (TSP)" https://datatracker.ietf.org/doc/rfc3161/
[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 TS 119 511]	ETSI TS 119 511 v1.1.1 (2019-06): Electronic Signatures and Infrastructures (ESI); Policy and security requirements for trust service providers providing long-term preservation of digital signatures or general data using digital signature techniques
[ETSI TS 119 512]	ETSI TS 119 512 v1.2.1 (2023-05): Electronic Signatures and Infrastructures (ESI); Protocols for trust service providers providing long-term data preservation services