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# Technical Specifications pursuant to Article 59.4 of the CSP Regulations *for qualified trust service providers providing qualified electronic archiving services*

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to them in the Electronic Commerce and Transactions Law promulgated by Decree Law No. 16 of 2010 as amended or repealed and the Regulation of Certification Service Providers issued under the Communications Regulatory Authority President Decision No. [X] of 2024 ("CSPs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

<b>"The Authority"</b>	the Communications Regulatory Authority ("the CRA");
<b>"Law"</b>	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;
<b>"CSPs Regulation"</b>	Regulation for the Licensing and activities performed by Certification Service Providers under CRA President Decision No[X] of 2024;
<b>"Conformity Assessment"</b>	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;
<b>"Conformity Assessment Body" (CAB)</b>	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";
<b>"Conformity Assessment Report" (CAR)</b>	the report resulting from a Conformity Assessment and issued by a Conformity Assessment Body;
<b>"Trust Service Provider" (TSP)</b>	A Certification Service Provider licensed to provide a trust service.
<b>"Trust Service" (TS)</b>	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".
<b>"Qualified Trust Service Provider (QTSP)"</b>	A Certification Service Provider licensed to provide a qualified trust service, and which is granted a qualified status by the Authority.
<b>"Qualified Trust Service (QTS)"</b>	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 electronic archiving services

1. Pursuant to Article 59.4. of the “CSPs Regulation”, qualified trust service providers providing qualified electronic archiving services 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 electronic archiving services

### I.1 General requirements

1. The qualified trust service provider providing qualified electronic archiving services shall conform to [ETSI EN 319 401], as amended according to [TSP-GEN] Technical specifications, and to the following clauses of [ETSI TS 119 511], when those are applicable to the preservation storage model “Preservation services with storage [WST]”:

- Clause 6
- Clause 7
- Clause 8
- Clause 9

With the amendments provided by [ISO 14641] in the subsequent clauses:

- Clause 5.2
- Clause 5.3
- Clauses 5.4.1 and 5.4.3
- Clauses 5.5.4, 5.5.5, 5.5.7 and 5.5.8
- Clause 5.7
- Clause 6
- Clauses 10.1.1 to 10.1.10
- Clauses 11.2.1, 11.2.3 and 11.2.4
- Clause 11.3
- Clause 11.4
- Clause 12.1.1
- Clause 12.2
- Clause 13
- Clause 14

2. Amendments to the above standards provided in the subsequent clauses of the present document shall have precedence on the above standards.
3. The preservation goal of the qualified trust service provider’s qualified archiving service

shall be the "Preservation of General Data" (PGD) defined in clause 4.2 [ETSI TS 119 512].

4. All references to ETSI EN 319 401 made directly or indirectly in [ETSI TS 119 511] shall be understood as referring to the version of that standard amended according to [TSP-GEN] Technical specifications.
5. All mentions of "trust service provider" in [ETSI TS 119 511] 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.
6. All mentions of "trust service" in [ETSI TS 119 511] 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.
7. All mentions of "EU qualified certificates" in [ETSI TS 119 511] shall read "Qatar qualified certificates".
8. All mentions of "Regulation (EU) No 910/2014" in [ETSI TS 119 511] shall read ["CSPs Regulation"]".
9. All mentions of "(EU) advanced electronic signatures" and "(EU) advanced electronic seal" in [ETSI TS 119 511] shall read respectively as "Qatar advanced electronic signatures" and as "Qatar advanced electronic seals" as defined in the ["CSPs Regulation"]".
10. All mentions of "(EU) qualified electronic signatures" and "(EU) qualified electronic seal" in [ETSI TS 119 511] shall read respectively as "Qatar qualified electronic signatures" and as "QA qualified electronic seals" as defined in the ["CSPs Regulation"]".
11. 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 process

1. The trustworthy systems used by the qualified trust service provider to provide qualified archiving 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 ["CSPs Regulation"]".

3. Preservation evidences shall be signed by means of a qualified electronic signature or a qualified electronic seal.

### **I.3 Provisions related to the inclusion of the provision of qualified electronic archiving services qualified trust service in the Qatar trusted list**

1. A qualified trust service consisting in the provisioning of qualified electronic archiving service 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 electronic archiving service evidences or acknowledgment receipt of archiving 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 electronic archiving, 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 archiving service evidences, or acknowledgment receipt of archiving 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 electronic archiving 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 and “CSPs Regulation” and of the applicable technical controls of the Law and the “CSPs Regulation” must 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 electronic archiving evidences when those data objects do not meet the requirements for qualified electronic archiving evidences 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.
[RFC 3161]	IETF RFC 3161: “Internet X.509 Public Key Infrastructure Time-Stamp Protocol (TSP)” <a href="https://datatracker.ietf.org/doc/rfc3161/">https://datatracker.ietf.org/doc/rfc3161/</a>
[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

[ISO 14641]	ISO 14641:2018: Electronic document management — Design and operation of an information system for the preservation of electronic documents — Specifications
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