



Approved by the Estonian Internet Foundation Council on 30 April 2020 and taking effect of 01 July 2020.

## **Registrar Contract Annex 1**

### ***Technical Terms and Conditions***

The Registrar's information system, through which the Registrar exchanges information with the EIF information system upon the provision of registration services, must meet the following terms and conditions:

#### **1 Communications equipment**

1.1 Communication between the Registrar and EIF's information system takes place via Extensible Provisioning Protocol, the description of which is given in RFC 5730.

1.2 EPP transport environment uses TCP/IP and TLS transport and security in accordance with RFC 5734 requirements.

1.3 EPP commands, which are related to contact data, use EPP expansion in accordance with RFC 5733 requirements. A more precise description is given in the EIF description of EPP Schema.

1.4 EPP commands, which are related to contact data, use EPP expansion in accordance with RFC 5732 requirements together with EIF EPP specifications (see Description of the corresponding Schema).

1.5 EPP commands, which concern domain names, use EPP expansion pursuant to RFC

5731 requirements, together with specification provided in EIF's EPP Schema.

1.6 Upon request of the EIF, in the provision of the Registration Services listed in clauses 5.3.1, 5.3.5 and 5.3.6 of the Domain Regulation, the Registrar must submit on each occasion the Registrant's corresponding application to the EIF together with the EPP command, and in case of identity verification by a credit institution transfer, also the proof of payment from the Registrar's credit institution and, if the payment explanation includes the number of the Registrar's invoice, also the invoice issued by the Registrar.

1.7 The Registrant's applications signed by his/her own hand in the presence of the Registrar's representative should be added to the EPP command as scanned documents.

1.8 An application signed digitally by the Registrant is forwarded without any changes after signing.

1.9 The documents attached to EPP commands must be in pdf, odt, doc, docx or html. Compressed files may be sent in zip, rar, gz, tar or 7zip formats. Of non-compressed files, the EIF server accepts digitally signed and pdf files.

1.10 The registrar may also provide Registration Services and exchange information with the EIF information system via the Registrar's portal. The Registrar's portal is a web interface created by EIF that exchanges information with the EIF information system. The Registration Services provided via the Registrar's portal must meet the conditions stipulated in clauses 1.6-1.9.

## **2 Registrar authentication**

2.1 Each EPP session or access to another interface intended for the Registrar begins with the authentication of the Registrar, using the user name and password or another method accepted by EIF. The Registrar receives the initial username and password from EIF upon the conclusion of the Registrar Contract. EIF creates access to other services intended for the Registrar on the basis of an application by the Registrar.

2.2 EPP session and other accesses to services intended for the Registrar use the TLS protocol, which presumes that the Registrar has a security certificate issued and regularly renewed by EIF. Upon the conclusion of the Registrar Contract or renewal of the certificate, the Registrar submits a certificate inquiry to EIF, on the basis of which the security certificate is signed.

2.3 EIF notifies the Registrar of the need to renew the password and security certificate at least 10 (ten) working days in advance.

### **2<sup>1</sup> Assessment of the registrar's self-service environment**

2.1<sup>1</sup> According to clause 7.8 of the Registrar Contract, the EIF may carry out an assessment of the technical solutions and registration services process of the Registrar's self-service environment. The EIF shall base its assessment on the documentation accompanying the application, in particular by the Registrar, including the assessment by the EIF of:

2.1.1<sup>1</sup> The requirements for the identification and verification of identity of the Registrar according to which the Registrar must, in its self-service environment, enable using at least the Estonian ID card, the Mobile-ID and/or the electronic identification tool accepted by the EIF to identify and verify the identity of the Registrant;

2.1.2<sup>1</sup> The process of distinguishing the Registrants in the Registrar's self-service environment, where the Registrar's self-service environment can be logged into using means other than the Estonian ID card, the Mobile-ID and/or the electronic identification tool accepted by the EIF;

2.1.3<sup>1</sup> The ability and skills of the Registrar to maintain and provide an authentic log file in a format that can be reproduced in writing, according to which the identification of the person, verification of identity and determination of the intention of the Registrant must be documented.

2.2<sup>1</sup> Once the proper documentation has been submitted, the EIF has two months to carry out the assessment and to report the result.

2.3<sup>1</sup> The EIF has the right to carry out a re-evaluation of the Registrar and, as a result, to withdraw its consent in accordance with clause 7.8 of the Registrar Contract. After the withdrawal of consent, the Registrar is not entitled to apply to the Registrant in its self-service environment following the specification set out in clause 4.61 of the Domain Regulation. The Registrar may request that a new assessment be carried out after the withdrawal of consent.

### **3 Technical restrictions**

- 3.1 With the conclusion of the Registrar Contract the Registrar receives the right to simultaneously use up to 4 (four) authentication sessions.
- 3.2 The Registrant may use a maximum of 4 (four) IP-addresses for sending EPP queries, which are added to the EIF information system firewall to ensure access for queries.
- 3.3 Inactive session shall be cancelled by EIF after 5 minutes.
- 3.4 Each EPP query ending with an error message brings with it a session block of up to 1 second.
- 3.5 A Registrar may not make more than 100 EPP queries per minute.
- 3.6 EIF guarantees registrars 24/7 availability of EPP service at a level of availability of 99.6%. The Registrar is ensured access to four simultaneous authentication sessions.
- 3.7 The limits applicable to inquiries into the public WHOIS service are published on the EIF website. In the event of justified need, the Registrar may request EIF to apply greater limits to the inquiries coming from the Registrar's system.
- 3.8 Registrar must submit to public WHOIS service right and valid data, provided in accordance with Registration Service.

### **4 Generation of object identifiers created in the EIF information system**

- 4.1 Mandatory identifiers for different database objects (domain names and contact persons) are generated by EIF or the Registrar as provided in this Chapter.
- 4.2 All entered domain names must correspond to Domain Rules and RFC1035 requirements.
- 4.3 Object identifiers are case insensitive.
- 4.4 The Registrar receives specific instructions upon the conclusion of the Registrar Contract, regarding the letter combinations that the identifiers generated by him/her must contain.
- 4.5 Upon the provision of an object authorisation code by the Registrar, the allowed length of an authorisation code is 8–32 characters.

### **5 Deletion of unused objects**

- 5.1 EIF shall automatically delete all contacts in the database that have not been changed for at least 6 (six) months, which are not related to any domain names.

### **6 Testing of name servers**

- 6.1 EIF may test the technical aspect of all name servers located in the registry. The addition or deletion of a domain name in a zone file does not depend on the testing or its results. If necessary, EIF informs the Registrar of the test results.

## **7 Name server administration**

7.1 All name servers being added and having been added to the EIF information system by the Registrar must correctly and authoritatively answer domain name queries related to them.

In the case of possible disagreements and misunderstandings between the Estonian and foreign language versions of this document, the Estonian language text of the corresponding document shall be used as the basis.

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