

## **Terms and Conditions of the Estonian environment for the information systems data exchange layer**

For using the Estonian environment of the data exchange layer for information systems (hereinafter X-Road), the Information System Authority has drawn up the Terms and Conditions, which shall be complied with upon the use of the Estonian X-Road supporting the X-Road message exchange protocol version 4.

Compliance with the Terms and Conditions of the X-Road environment is important for ensuring principles of X-Road functioning. When data passes through X-Road, the data features, such as authenticity, reliability, coherence and usability, shall not change.

### **1. Requirements for the description of data services**

1.1 The description of a data service must include:

- 1.1.1. a human-readable designation of the service;
- 1.1.2. WSDL description of the service;
- 1.1.3. a functional description of the service;
- 1.1.4. a security level / security class necessary for the use of the service;
- 1.1.5. the terms and conditions for the provision, use and alteration of the service, including, whether and how (delicate) personal data or other restricted data are processed and whether the obligation to provide the service is prescribed by the law, by a legal act issued on the basis thereof or by an international agreement;
- 1.1.6. exploitation requirements for the service, which must include at least:
  - 1.1.6.1. the operating time of the service,
  - 1.1.6.2. the maximum duration of a one-time disruption,
  - 1.1.6.3. the maximum time of response to requests (ensured at least for answering 90% of requests),
  - 1.1.6.4. The amount of requests per minute or the amount of requests per client in a minute.

### **2. Technical parameters and requirements for setting up a security server in the Estonian X-Road environment**

2.1. The value of the identifier (xRoadInstance) in the Estonian X-Road:

- 2.1.1. production environment: EE;
- 2.1.2. test environment: ee-test.

2.2 The following memberClasses are used in Estonian X-Road environment:

<b>memberClass value</b>	<b>Explanation</b>
gov	A legal person who is registered in the national register of state and local governments.
com	A legal person who is registered in the Commercial Register.

ngo	A legal person who is registered in the Non-profit Associations and Foundations Register.
nee	A legal person who is registered in a register other than in a register specified in memberClasses gov, com or ngo

- 2.3. A global configuration signed by the Estonian X-Road Center with a hardware-based signature creation device will be deemed to be reliable within 6 hours of signing.
- 2.4. On the Estonian X-Road, information communicated via X-Road by other members cannot be considered reliable if the time difference between the release of the validity confirmation which was used for signing this information and the time stamp is more than 8 hours.
- 2.5. Upon the configuration of a security server, an NTP (Network Time Protocol) service which corresponds to Stratum 1 or Stratum 2 level must be used.
- 2.6. Making changes in the default configuration of the security server must be justified and recorded, including the need to take into consideration that only the following values are allowed in the case of the following parameters:

Component	Name	Suitable value
proxy	ocsp-cache-path	/var/cache/xroad
proxy	ocsp-responder-port	5577
proxy	server-listen-port	5500
proxy	server-port	5500
configuration-client	update-interval	60 (seconds)
proxy	client-timeout	Max 300000 (seconds)
proxy	ssl-enabled	True
message-log	acceptable-timestamp-failure-period	0...14400 (seconds)