

TECHNICAL COMMUNICATION RULES for the Top-Level Domain .sk

This document contains description of the Registrar communication with Central Domain Name Register (hereinafter „Register“). Registrars are allowed to use any device that fulfills the conditions provided in this document for the communication. Complementary technical documentation is available on the SK-NIC website.

1. Communication with the Register

There are two ways how to communicate with the Register – automatically via Application Programming Interface (API) or manually via web interface.

1.1. API (EPP)

Register services are preferentially provided via API, using Extensible Provisioning Protocol (EPP) communication protocol. This protocol is based on Extensible Markup Language (XML).

Description of its basic characteristic and ways to extend it is provided within relevant RFC standards (these are actually RFC 5730 and RFC 5734 or their replacements in the future).

Detailed document of the used EPP including applicable XSD is available a part of complementary technical documentation on the SK-NIC website; in case of the documentation update the updated version should be available at least 3 months before its full force.

1.2. Web interface

Register services shall be available to Registrar also via web interface, while this is functionally equivalent to API.

Web interface serves exclusively for manual usage by human, machine communication has to be used by Registrar via API only.

Additional services might be provided via web interface, not available within API.

1.3. Other interfaces

Based on its own decision, SK-NIC may anytime provide additional interfaces (e.g. JSON API). Their technical details will be part of the supplementary technical documentation.

2. Languages

All interfaces are available both in Slovak and English language.

3. Authentication and authorisation

The Registrar has one main account within the web interface of the Register.

The Registrar manages the persons that access the Register in its name, including settings up of their authentication and rights, via web interface.

Authentication and authorization details are part of the supplementary technical documentation.

4. Availability

~~All interfaces are available 99.95% of time, excluding scheduled outages. Services are provided accordingly to the Service Level Agreement for Services of Top Level Domain .sk Registry (SLA) (Annex 1 of these Technical Communication Rules for the Top Level Domain .sk)~~

Outages of the system are usually announced 3 days ahead, via SK-NIC website and their time is usually set between 10:00 p.m. and 6:00 a.m. of the Central European Time (UTC+1).

5. Access limitation

SK-NIC reserves the right to limit the number of simultaneous accesses of the Registrar (both to API and web interface) and the number of its queries that the Registrar can send during defined time unit.

The Registrar will be informed within error message of the relevant protocol if the access or query limit should be exceeded.

Current limits are part of the supplementary technical documentation.

6. Automatic notifications

The Register provides automatic notifications within individual processes, typically about success or fail of the particular process or of its parts.

Detailed description of the individual automatic messages send by the Register is part of the supplementary technical documentation.