

Charges for an excess number of the registrar's sent queries

1. Limits in the number of queries for registrars

An increasing number of registrars naturally means an increased load on the central registry as a whole. At this time, technical limits are set to prevent overloading of the server. From the registry's perspective, these limits are currently sufficient.

In practice, however, it appears that registrars are using the system with very different intensities. The solution for this disparity is to set a limit on uncharged queries (in terms of the registered domain) and to subsequently charge each additional query. To balance the system from the perspective (primarily) of starting registrars, it is, of course, necessary to also set a minimum of free queries regardless of the number of registered domains. This minimum will be used if the number of uncharged queries for the registrar's domains are lower than this minimum limit.

In this way, the proposed system should not discriminate against small and foreign registrars. In addition, it is not possible to avoid it via the practice of setting up other registrars.

The proposed specific implementation is based on the table of implemented queries for the months of July and August 2009 (see table). Since the monitored period is during summer holidays, the data will also be verified by comparing them with September, after the end of the month.

2. Specific proposed limits

Minimum number of uncharged queries	25 000
Number of uncharged queries for a domain	100
Price per query over the limit	CZK 0.10

Billing method:

At the start of each calendar month, the registrar's specific limit for the given month will be set from the current number of the registrar's .cz domains and the number of uncharged queries for the .cz domain (or minimum number of queries). Every query by the registrar sent to the EPP interface will be deducted from this number. Once the registrar exceeds this number in a given month, the additional queries will be charged. The limit will be recalculated at the beginning of the next month. All the registrar's queries will be included in the query limit. This means that queries with a negative or error response will also be included.

Charging will be done retroactively on the first day of the calendar month. The corresponding amount will be deducted from the registrar's operating credit. In the case of insufficient credit, an

invoice will be issued for payment of the missing amount. This invoice will be paid from the first additional payment from the registrar. Until this invoice is paid in full, the incoming payment will not be counted in the credit to the registrar for the registration of domains, so registration and the extension will end with error 2104 (billing failure).

Once a day a new poll message created in the system will be sent to each registrar containing the total number of excess queries for which it will be invoiced at the end of the month.

If the estimated invoicing for excess queries at the moment of generating the poll message exceeds CZK 100, an SMS message will also be sent with the poll message from the system to the number each registrar can specify.

Charges for excess queries will be included in the registrar's minimum credit.

3. Necessary alterations to documents, technical implementation

The proposed changes require a change in the Terms and Conditions for Registrars and the Pricelist. Documents will become valid 1 month after their publication on www.nic.cz

As we assume poll messages will be changed, it will also be necessary to issue a new version of the templates.

The proposed changes also require intervention in the central registry system. It will be necessary to rework the module processing and calculating payments and the EPP communication and internal systems module. The proposal assumes a change in the data model, and its implementation is therefore dependent on a cycle of planned shutdowns.

We do not anticipate creating further survey or statistical functions on the number or structure of queries for individual registrars. Any complaints will be dealt with individually.

Since it is necessary to allow registrars to prepare for the new billing method and adjust their systems, trial operation of the charging system will begin on 1 July 2011.

Under this trial system, all the functions mentioned here (including sending poll messages) will take place over the full data in the registry, but at the end of the month an invoice will not be issued to registrars; instead, a document summarizing the number of the queries they have used will be generated, including a calculation of what their invoice would be in the event of full operation.

This document will be replaced by an invoice once full operation begins.

4. Project implementation timing:

Date	Description
27 April 2011	Introducing the project to registrars (at a seminar)
1 July 2011	Trial run
1 August 2011	Final approved version of official documents (Terms & Conditions, etc.)
1 October 2011	Commencement of charging; first invoices will be issued for October 2011