

At-Large Workspace: Review of the Registry System Testing 2.0 Test Specifications and API

Public Comment Close	Statement Name	Status	Assigned Working Group	Assignee (s)	Call for Comments Open	Call for Comments Close	Vote Open	Vote Close	Date of Submission	Staff Contact and Email	Stat Nurr
06 May 2024	Review of the Registry System Testing 2.0 Test Specifications and API	NO STATEMENT								gustavo.lozano@icann.org , gavin.brown@icann.org	

Hide the information below, please click [here](#) >>

Background

A new Registry System Testing (RST) service is to be developed to comply with Recommendation 39.1 of the [Final Report on the New gTLD Subsequent Procedures Policy Development Process](#), which instructs ICANN org to create such a service.

RST ensures that a Registry Operator has the capacity to operate a new gTLD in a stable and secure manner. Every aspiring Registry Operator (RO) must demonstrate that it has established operations in accordance with the technical and operational criteria described in the Applicant Guidebook prior to delegation into the root zone of the Internet.

Once a gTLD is delegated to the root zone, changes to back-end operations may require a new RST test to ensure the stability of those services.

Additionally, RST will be used to evaluate the technical capabilities of RSP applicants during the RSP Evaluation program of the New gTLD Program: Next Round.

RST covers the following aspects of gTLD registry operations:

1. Authoritative DNS
2. DNS Security Extensions (DNSSEC)
3. Registration Data Access Protocol (RDAP)
4. Extensible Provisioning Protocol (EPP)
5. Registry Data Escrow (RDE)
6. Internationalized Domain Names (IDNs)
7. SRS Gateway ([Standard Amendment Language Registration Validation per Applicable Law with Proxy](#))

RST v2.0 aims to evolve the current process used in the gTLD space. RST v2.0 will streamline the current service by implementing only automated tests and providing a fully-automated, API-driven workflow. Applicants will use RST v2.0 through an API in a self-testing design, eliminating the need for human intervention.

RST v2.0 will also revise and expand the test specifications, add support for RDAP and IDN-variant gTLDs, and remove support for WHOIS. It will also introduce test plans specifically for use when testing RSPs, Minimum Rights Protection Mechanisms , and DNSSEC operations.

Next Steps

The Public Comment period will close on 6 May, 2024 and ICANN org will release a Public Comment Summary report. ICANN org will consider the comments and make updates, as appropriate, to the RST API specification and test specifications. The org will then publish an addendum to the report with a review of the Public Comments it received.

Supporting Information

This additional information from ICANN org provides more context for this Public Comment Proceeding and may help you review the proposals for input and publish a submission.

Supporting Information

The documents in the “Proposals for your input section” are point-in-time snapshots of the “live” specifications that are maintained on GitHub at the following URLs:

<https://github.com/icann/rst-test-specs>

<https://github.com/icann/rst-api-spec>

These specifications will continue to be updated during the implementation of the new RST system, and as a result of feedback from existing Registry Operators, RSPs and the wider technical community.

OPEN:
41 DAYS REMAINING

Timeline (UTC)

Open for Submissions

26 March 2024

Closed for Submissions

06 May 2024 | 23:59

Report Due

31 May 2024 | 23:59

[Provide Your Input](#)

Submissions to this Proceeding

There are no submissions available.

How to Provide Input

Interested in making a submission? You need to create or log in to ICANN Account to make submissions. Read our guide to learn more.

[Download Guide](#)

FINAL VERSION SUBMITTED (IF RATIFIED)

The final version to be submitted, if the draft is ratified, will be placed here by upon completion of the vote.

FINAL DRAFT VERSION TO BE VOTED UPON BY THE ALAC

The final draft version to be voted upon by the ALAC will be placed here before the vote is to begin.

DRAFT SUBMITTED FOR DISCUSSION

The first draft submitted will be placed here before the call for comments begins. The Draft should be preceded by the name of the person submitting the draft and the date/time. If, during the discussion, the draft is revised, the older version(S) should be left in place and the new version along with a header line identifying the drafter and date/time should be placed above the older version(s), separated by a Horizontal Rule (available + Insert More Content control).