

Operational Test and Evaluation Certification Procedure

Version 1.1

2015

1. Terms and definitions

The terms used in this procedure are given in "Specifications for Registrars' Interaction with Flexireg Domain Registration System".

2. Purpose

Operational Test and Evaluation Certification Procedure is intended for interfacing domain name registrar's hardware with flexireg Domain Names Registration System via EPP standard protocol (according to STD-69).

The principal moment of this procedure is for the registrar to get to know flexireg specifics and troubleshooting displayed in responses in case of any errors in requests.

The procedure is run on flexireg test subsystem, which is, basically, a reduced copy of flexireg existing Registration System with the functions unchanged.

3. Access credentials

For running Operational Test Procedure Registry Operator shall provide to each registrar:

- Access credentials to test subsystem.
- Two login + password pairs for access to test subsystem via EPP. Having two login/password pairs to access test subsystem, registrar will be able to fully test domain transfer procedure independently.

4. Debugging

Before Operational Test Procedure registrar will be required to debug interface with the flexireg Registration System independently, carrying out all operations listed in sub-clause 6.4.

Registrar has no time restrictions for debugging, subject to its working schedule.

Upon debugging completion registrar should independently remove all objects that have been set up in flexireg in its process.

5. Technical support

If registrar faces some technical problems in process of debugging, it may use technical support.

To apply for technical support registrar should e-mail to accreditation@faitid.org a letter with the contents listed below:

- an explicit question.
- EPP request submitted to flexireg test subsystem.
- EPP response obtained by registrar to flexireg request.

6. Operational Test Procedure

- 6.1. Registrar will select the time of Operational Test Procedure independently, subject to its working schedule.
- 6.2. Registrar shall give at least a 24 hours' prior notice to Registry Holder to accreditation@faitid.org about the selected time.
- 6.3. Registrar shall not submit any EPP requests to test subsystem for debugging purposes from the moment the Operational Test Procedure has been launched. Only EPP requests of the test assignment given in sub-clause 6.4 hereof shall be sent. 6.4.
- 6.4. Registrar will be required to carry out the following operations over max. 6 hours' timespan in the given sequence:
 - 6.4.1. Set up EPP session with flexireg test subsystem and keep it up for 5 minutes, using "hello" command.
 - 6.4.2. Attempt to register Contact object with invalid email address (without @), paying attention to error messaging format.
 - 6.4.3. Attempt to register Contact object without a contact's name, paying attention to XML error messaging format.
 - 6.4.4. Register Contact test object for an individual.
 - 6.4.5. Register Contact test object for a legal entity.
 - 6.4.6. Check, whether domains whois, www are available.
 - 6.4.7. Check, whether your test domain name is available.
 - 6.4.8. Register test domain.
 - 6.4.9. Attempt to register Host objects, having subordinate relationship to your earlier registered test domain, with IP addresses from private networks, paying attention to error messaging format.
 - 6.4.10. Register Host objects, having subordinate relationship to your earlier registered test domain, with correct IP addresses.
 - 6.4.11. Register external Host objects, having no subordinate relationship to your earlier registered test domains.
 - 6.4.12. Delegate a domain name, using your registered Host objects.

- 6.4.13. Set up EPP session without urn:ietf:params:xml:ns:rgp-1.0.
 - 6.4.14. Renew registration term of the test domain.
 - 6.4.15. Obtain full details for the test domain, paying attention that the information in the response about RGP status is not available.
 - 6.4.16. Set up EPP session with urn:ietf:params:xml:ns:rgp-1.0.
 - 6.4.17. Obtain full details for the test domain, paying attention that the information in the response about RGP status is available.
 - 6.4.18. Make inter-registrar transfer of the test domain.
 - 6.4.19. Obtain full details for the test domain after transfer completion, paying attention to the fact that RGP statuses are rewritten, but not added.
 - 6.4.20. Set up EPP session without urn:ietf:params:xml:ns:secDNS-1.1.
 - 6.4.21. Try to register domain with secDNS.
 - 6.4.22. Set up session with urn:ietf:params:xml:ns:secDNS-1.1.
 - 6.4.23. Register domain with secDNS
- 6.5. Not later than in 1 hour from completion of all operations, registrar should e-mail to Registry Holder at accreditation@faitid.org information about the completion of the Operational Test Procedure and response time from the flexireg test subsystem for the last operation run.
- 6.5. Upon testing completion and before obtaining response from Registry Holder about Operational Test Procedure results, registrar should not send any EPP requests into flexireg test subsystem.

7. Supervision

The procedure is supervised by Registry Holder based on the analysis of the logged requests and registrar's responses to test subsystem via EPP (based on log files).

8. Evaluation

Evaluation criteria:

- whether all test operations specified in ii. 6.4 have been run
- whether the operations have been run in the prescribed sequence.
- whether all operations have been run over a given timespan (6 hours).

9. Result

Registry Holder undertakes to perform test analysis as per the criteria set forth in ii. 8 and inform registrar of the results within two business days since receipt from the registrar a test completion notice.

If the response proves positive for all evaluation criteria given in ii. 8, Operational Test procedure will be deemed complete.

Registry Holder will submit test results to registrar's contact e-mail and to the Registry Operator. If case of any errors detected during testing, the list of detected errors will also

be included in a registrar message.

If testing fails, registrar will be able to carry out independent debugging and start retesting.