

Technical procedure guidelines for the accreditation of Registrars

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Introduction

This document contains the guidelines necessary, to those wishing to become Registrars, to understand the main features of the .it Registry accreditation procedure. The technical specifications of the accreditation procedure will be made available to the Registrars after the contract has been subscribed.

In order to carry out the accreditation technical procedure and become a Registrar accredited by the Registry, the Registrar must have at least a client application that interacts correctly with the EPP server (*Extensible Provisioning Protocol*) of the Registry. The test verifies that the EPP client used by the Registrar has been successfully implemented, that it interacts properly with the EPP server of the Italian registry, and that the Registrar is able to carry out the main operations of the synchronous registration system of the ccTLD.it.

Before testing, please read the following RFCs:

Regulations for the assignment and management of domain names in the ccTLD .it
Guidelines – Guidelines for the management of the synchronous operations on the domain names in the ccTLD .it
RFC 4930 - Extensible Provisioning Protocol
RFC 4931 - Extensible Provisioning Protocol Domain Name Mapping
RFC 4932 - Extensible Provisioning Protocol Host Mapping
RFC 4933 - Extensible Provisioning Protocol Contact Mapping
RFC 3735 - Guidelines for Extending the Extensible Provisioning Protocol
RFC 3915 - Domain Registry Grace Period Mapping for the Extensible Provisioning Protocol

Duration and timing of the test

The Registrar has 60 minutes to take the accreditation test. During the test there is no support from the Registry.

The accreditation test must be passed within five months of the date of signing the contract by the Registrar. There must be a minimum of one week between one attempt at the test and the next, for a maximum number of 12 attempts.

Accounts

The accreditation tests are carried out on two dedicated machines of the Registry. The Registrar will have to connect to one of the above machines and carry out the operations requested by the accreditation procedure.

The client-server connection is an https connection.

Each Registrar is provided with two accounts which are supplied to the Registrar by the Registry prior to the accreditation test, along with a password.

The Registrar must provide the Registry with:

- their data;

- the IP of the machine from which the Registrar will perform the tests. The IP must be unique to the Customer, that is the same IP cannot be used by two different Customers.

Correct execution and completion of the accreditation test

The Registrar must complete the test by respecting the order of execution of various operations and finishing within the allotted time.

The operations must be carried out in only one https session, if not otherwise requested by the sequence of commands of the test.

The accreditation procedure does not require the configuration, by the Registrar, of the nameservers utilized during the test.

If during the test, the response code to the command submitted does not coincide with what indicated in the technical specifications of the accreditation procedure, the Registrar has the opportunity to resubmit the command in question.

If the connection with the accreditation EPP server is lost during testing, the Registrar shall restore the connection with the server and can decide whether to continue the execution of commands from the point in which the connection was interrupted or alternatively begin again the execution of the commands from the first start. In this case any error messages for operations already performed in the previous connection will be ignored in terms of the evaluation of the test itself. Even if connections are lost, the time available for the accreditation remains 60 minutes.

Additional information

Before the accreditation test, the Registry will prepare the test platform with the data necessary to execute the accreditation session and at the end of the session will check the correct execution of the procedures by checking the expected data in the system.

How to carry out the accreditation

The operations and commands that the Registrar must successfully carry out in order to pass the test for accreditation are outlined below. The Registrar shall submit the information indicated in the steps that follow in the correct order. The operations are divided into three separate sections: sessions, contact management, and domain name management.

Section 1: Session operations

Test 1: Handshake

Test 2: Authentication

Test 3: Modification of the password

Test 4: Query to the “polling”queue

Section 2: Operations for the management of contacts

Test 5: Availability check of the contacts identifiers to be used during the test

Test 6: Creation of three registrant contacts

Test 7: Creation of two tech/admin contacts

Test 8: Contact update

Test 9: Contact visualization

Section 3: Operations for the management of domain names

Test 10: Availability check of two domain names

Test 11: Creation of two domain names

Test 12: Visualization of the information of a domain name

Test 13: Modification of a domain name

Test 14: Modification of the Registrant of a domain name

Test 15: Authentication through the second account

Test 16: Request of Modification of the Registrar of a domain name

Test 17: Approval of the request of Modification of the Registrar and cancellation of the messages from the polling queue

Test 18: Modification of a domain name authInfo

Test 19: Requests of Modification of the Registrant contextual to a Modification of the Registrar for a domain name

Test 20: Approval of the request of Modification of the Registrant and of the Registrar

Test 21: Addition and removal of a constraint on a domain name and visualization of the domain name data

Test 22: Cancellation of a domain name

Test 23: Restoration of a domain name

Test 24: Cancellation of a contact and availability check of a contactID