

Extensible Provisioning Protocol (EPP) v1.0  
Drop – Zone Test Cases



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Technical Support: [techsupport@pir.org](mailto:techsupport@pir.org) / +1.416.646.3308  
<http://www.pir.org>

# Contents

## 1. Introduction

- 1.1 Purpose
- 1.2 Formatting Conventions
- 1.3 Accounts
- 1.4 Contact and Nameserver Policy

## 2. EPP Communications

- 2.1 Session Management
- 2.2 Authentication
- 2.3 Create Domain that was dropped
- 2.4 Create Domain that was not dropped
- 2.5 Handling 2000 error code in .ORG drop-zone environment
- 2.6 Keep Session Alive
- 2.7 End Session

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# 1. Introduction

## 1.1 Purpose

This document describes the basic operations that a Registrar's client application can perform in the .ORG drop-zone environment.

The tests presented herein do not cover all possible error and unusual conditions. The Registrar client application is responsible for correctly handling all error conditions.

### **Links:**

RFC 3490 <http://www.rfc-editor.org/rfc/rfc3490.txt>

RFC 3491 <http://www.rfc-editor.org/rfc/rfc3491.txt>

RFC 3492 <http://www.rfc-editor.org/rfc/rfc3492.txt>

RFC 3454 <http://www.rfc-editor.org/rfc/rfc3454.txt>

Drop-Zone FAQ and Process [https://registrars.pir.org/registrar\\_relations/announcements/index.html](https://registrars.pir.org/registrar_relations/announcements/index.html)

## 1.2 Formatting Conventions

The following items show the formatting conventions included in this document for required input and output values and for variable input and output responses.

Regular text in this format represents expected system input and output values that the client system will send to the server and that the server system will display in response to an action or actions provided by the Registrar. The following example illustrates an expected system output.

Command Completed Successfully

When **Bold text** is located in Regular text, this represents a required input value that the Registrar must provide - the Registrar must enter the text **exactly** as shown. The following example illustrates the format for the required input values.

Domain Name: **foo.org**

*Italicized text* in output represents data returned from the server, which may or may not be the exact values represented in this document. It is the responsibility of the client to interpret these values properly and possibly reuse these for subsequent commands.

Contact ID: *abc-xxx*

## 1.3 Accounts

The Registrar must log into the .ORG drop-zone OT&E environment with the user name and password provided to them.

## 1.4 Contact and Name Server Policy Requirements

There are certain policies that are enforced in the .org implementation of EPP:

A minimum of 4 contacts (including 1 Registrant and at least 1 of each Admin, Billing and Technical contacts) must be provided during the create domain transaction.

## 2. EPP Communications

Registrar to Registry communications and responses utilize the Extensible Markup Language (XML) running over the Secure Sockets Layer (SSL) in a form called the Extensible Provisioning Protocol (EPP). It is the Registrar's responsibility to adhere to these protocols to successfully communicate with the Operational Test & Evaluation (OT&E) environment to gain Certification with the Registry.

The Registrars' application client must utilize XML over SSL to send commands to the Registry and utilize an XML parser to interpret the server's responses.

The .ORG OT&E drop-zone environment is located at: **otedrop.publicinterestregistry.net**, Port: **700**

The following commands are included in the .ORG Drop-Zone environment.

- ⌘ LogIn
- ⌘ LogOut
- ⌘ Hello
- ⌘ DomainCreate

## 2.1 Start Session

After making an initial connection to the Registry, the server shall reply with a greeting. A Registrar must receive the greeting message before attempting authentication and/or other supplementary commands.

## 2.2 Authentication

After the initial greeting, the registrar client shall send the Login command to authenticate itself to the test registry with the respective login information. For example:

Client ID: **Login ID (OTE Drop-Zone)**  
Password: **Password (OTE Drop-Zone)**

Verify that the following response is received:

```
<result code='1000'><msg lang='en-US'>Command completed successfully</msg>
```

## 2.3 Create a Domain that was dropped

You can create a new Domain and associate two (2) Name Servers and four (4) Contacts to it by using the Create command. Use the following test data with the domain name you want to create in the .ORG drop-zone environment. You can obtain the list of available domains that were dropped from the Reports (registry-rgp-domains.dat) section on the .ORG OT&E environment: <https://orgfcote1.publicinterestregistry.net>

Domain registrant contact ID: **OTNE\_DZ**  
Domain Admin contact ID: **OTNE\_DZ**  
Domain Billing contact ID: **OTNE\_DZ**  
Domain Technical contact ID: **OTNE\_DZ**  
Auth info: **my secret**

Verify that the following response is received:

```
<result code='1000'><msg lang='en-US'>Command completed successfully</msg>
```

## 2.4 Create Domain that was not dropped

If you attempt to create a domain name that was not dropped, you will receive an error message.

Please review the list of domains that were dropped and create a domain that was not in the list using the Domain Create command with the following information:

Domain registrant contact ID: **OTNE\_DZ**  
Domain Admin contact ID: **OTNE\_DZ**  
Domain Billing contact ID: **OTNE\_DZ**  
Domain Technical contact ID: **OTNE\_DZ**  
Auth info: **my secret**

The following error will be displayed.

```
<result code='2306'><msg lang='en-US'>Parameter value policy error</msg>
```

## 2.5 Handling 2000 error code in .ORG drop-zone environment

The 2000 error is thrown if any command other than the commands allowed in the .ORG drop-zone environment is supplied.

Query Domain using the following information -

Domain Name: **otnedz.org**

The following error will be displayed

```
<result code='2000'><msg lang='en-US'>Parameter value policy error</msg>
```

## 2.6 Keep Session Alive

For this test, the Registrar must keep the current session open to the Registry. Use the Hello command at intervals under 10 minutes to maintain client connectivity.

## 2.7 End Session

For a client Registrar to end communications with the .ORG drop-zone environment, the Logout command is used with no arguments.

If successful, the Registry will send the following response and then end the session.

```
<result code='1500'><msg lang='en-US'>Command completed successfully; ending session</msg>
```