

# 1. Introduction

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## 1. RFC Definitions

**RFC#5730** - Extensible Provisioning Protocol (EPP)

**RFC#5734** - Extensible Provisioning Protocol (EPP) Transport over TCP

**RFC#5733** - Extensible Provisioning Protocol (EPP) Contact Mapping

**RFC#5731** - Extensible Provisioning Protocol (EPP) Domain Name Mapping

**RFC#5732** - Extensible Provisioning Protocol (EPP) Host Mapping

**RFC#3915** - Domain Registry Grace Period Mapping for the Extensible Provisioning Protocol (EPP)

**RFC#5910** - Domain Name System (DNS) Security Extensions Mapping for the Extensible Provisioning Protocol (EPP) RFC#8624 - Algorithm Implementation Requirements and Usage Guidance for DNSSEC

## 2. Supported objects and operations

	Domain	Contact	Host	ECO
Check	✓	✓	✓	✓
Create	✓	✓	✓	✓
Info	✓	✓	✓	✓
Update	✓	✓	✓	✓
Renew	✓	✗	✗	✗
Delete	✓	✓	✓	✗

# 2. EPP Reference Guide

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## 1. Login

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <login>
      <clID>user</clID>
      <pw>pass</pw>
      <options>
```

```
<version>1.0</version>
<lang>en</lang>
</options>
<svcs>
  <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
  <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
  <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
  <objURI>urn:ietf:params:xml:ns:registrar-info-1.0</objURI>
  <objURI>urn:ietf:params:xml:ns:rgp-1.0</objURI>
  <objURI>urn:ietf:params:xml:ns:secDNS-1.1</objURI>
  <svcExtension>
    <extURI>http://regtonsregistry.cz/extobj</extURI>
  </svcExtension>
</svcs>
</login>
<clTRID>SUBREG20190816T170019Z649</clTRID>
</command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T170019Z649</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:00:19Z-E7oyNuWFzQt7K</svTRID>
    </trID>
  </response>
</epp>
```

## 2. Contact Operations

### 1. Contact Check

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <check>
      <contact:check
xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle001</contact:id>
      </contact:check>
    </check>
    <clTRID>SUBREG20190816T170019Z433</clTRID>
  </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <chkData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:cd>
          <contact:id avail="1">contacthandle001</contact:id>
        </contact:cd>
      </chkData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T170019Z433</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:00:19Z-
aBNgOOduDkdg3</svTRID>
    </trID>
  </response>
</epp>

```

## 2. Contact Create

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <create>
      <contact:create
xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle001</contact:id>
        <contact:postalInfo type="int">

```

```

    <contact:name>Contact one</contact:name>
    <contact:org>Org one</contact:org>
    <contact:addr>
      <contact:street>Street one one</contact:street>
      <contact:street>Street one two</contact:street>
      <contact:city>City one</contact:city>
      <contact:sp>AA</contact:sp>
      <contact:pc>11111</contact:pc>
      <contact:cc>CZ</contact:cc>
    </contact:addr>
  </contact:postalInfo>
  <contact:voice>+44.123456789</contact:voice>
  <contact:fax>+44.9876543210</contact:fax>
  <contact:email>email@email.com</contact:email>
  <contact:authInfo>
    <contact:pw>secret123</contact:pw>
  </contact:authInfo>
</contact:create>
</create>
<clTRID>SUBREG20190816T170019ZF3E</clTRID>
</command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <creData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle001</contact:id>
        <contact:crDate>2019-08-16T17:00:19Z</contact:crDate>
      </creData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T170019ZF3E</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:00:19Z-
imfJmUKtwtIST</svTRID>
    </trID>
  </response>
</epp>

```

### 3. Contact Info

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <info>
      <contact:info
xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle001</contact:id>
      </contact:info>
    </info>
    <clTRID>SUBREG20190816T170019Z617</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <infData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle001</contact:id>
        <contact:postalInfo>
          <contact:name>Contact one</contact:name>
          <contact:org>Org one</contact:org>
          <contact:addr>
            <contact:street>Street one two</contact:street>
            <contact:city>City one</contact:city>
            <contact:sp>AA</contact:sp>
            <contact:pc>11111</contact:pc>
            <contact:cc>CZ</contact:cc>
          </contact:addr>
        </contact:postalInfo>
        <contact:voice>+44.123456789</contact:voice>
        <contact:fax>+44.9876543210</contact:fax>
        <contact:email>email@email.com</contact:email>
        <contact:authInfo>
          <contact:pw>secret123</contact:pw>
        </contact:authInfo>
        <contact:disclose flag="1">
          <contact:name>
            </contact:name>
          <contact:org>
            </contact:org>
          <contact:addr>
            </contact:addr>
          <contact:voice>
            </contact:voice>
        </contact:disclose>
      </infData>
    </resData>
  </response>
</epp>
```

```

    <contact:fax>
  </contact:fax>
  <contact:email>
</contact:email>
</contact:disclose>
<contact:roid>250024</contact:roid>
<contact:status s="ok">
</contact:status>
<contact:clid>gransyl</contact:clid>
<contact:crid>gransyl</contact:crid>
<contact:upDate>2019-08-16T17:00:19Z</contact:upDate>
</infData>
</resData>
<extension>
</extension>
<trID>
  <clTRID>SUBREG20190816T170019Z617</clTRID>
  <svTRID>SUBREGISTRY-2019-08-16T17:00:19Z-
kNykWvD2z9qHG</svTRID>
</trID>
</response>
</epp>

```

#### 4. Contact Modify

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <update>
      <contact:update
xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle002</contact:id>
        <contact:chg>
          <contact:postalInfo type="int">
            <contact:name>Contact four</contact:name>
            <contact:org>Org three</contact:org>
            <contact:addr>
              <contact:street>Street three</contact:street>
              <contact:city>City three</contact:city>
              <contact:sp>CC</contact:sp>
              <contact:pc>33333</contact:pc>
              <contact:cc>CZ</contact:cc>
            </contact:addr>
          </contact:postalInfo>
          <contact:voice>+2.123456789</contact:voice>
          <contact:fax>+2.9876543210</contact:fax>
          <contact:email>info3@info3.com</contact:email>

```

```
<contact:authInfo>
  <contact:pw>secret789</contact:pw>
</contact:authInfo>
</contact:chg>
</contact:update>
</update>
<clTRID>SUBREG20190816T170019ZA8F</clTRID>
</command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T170019ZA8F</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:00:19Z-
JSHL7LhjRTFW8</svTRID>
    </trID>
  </response>
</epp>
```

## 5. Contact Delete

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <delete>
      <contact:delete
xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>contacthandle001</contact:id>
      </contact:delete>
    </delete>
    <clTRID>SUBREG20190816T193725ZACD</clTRID>
  </command>
</epp>
```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T193725ZACD</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:37:25Z-
egVFwkp3MzMN0</svTRID>
    </trID>
  </response>
</epp>

```

### 3. Host Operations

#### 1. Host Check

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <check>
      <host:check xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:name>ns2.domain.su</host:name>
      </host:check>
    </check>
    <clTRID>SUBREG20190816T193839Z2DE</clTRID>
  </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <chkData xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:cd>
          <host:name avail="1">ns2.domain.su</host:name>
        </host:cd>
      </chkData>
    </resData>
    <trID>

```



```
<clTRID>SUBREG20190816T193839Z2DE</clTRID>
<svTRID>SUBREGISTRY-2019-08-16T19:38:39Z-
cykGHUdKbXITU</svTRID>
</trID>
</response>
</epp>
```

## 2. Host Create

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <create>
      <host:create xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:name>ns.domain.su</host:name>
        <host:addr ip="v4">1.2.3.4</host:addr>
      </host:create>
    </create>
    <clTRID>SUBREG20190816T173354ZF98</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <creData xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:name>ns.domain.su</host:name>
        <host:crDate>2019-08-16T17:33:54Z</host:crDate>
      </creData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T173354ZF98</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:33:54Z-
p38X07Jy6vLON</svTRID>
    </trID>
  </response>
</epp>
```

## 3. Host Info

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <info>
      <host:info xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:name>ns.domain.su</host:name>
      </host:info>
    </info>
    <clTRID>SUBREG20190816T173354Z02C</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <infData xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:name>ns.domain.su</host:name>
        <host:roid>28</host:roid>
        <host:status s="ok">
          </host:status>
        <host:clid>gransyl</host:clid>
        <host:crId>gransyl</host:crId>
        <host:crDate>2019-08-16T17:33:54Z</host:crDate>
        <host:addr type="v4">1.2.3.4</host:addr>
      </infData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T173354Z02C</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:33:54Z-
mOFF2tgMMM4Q0</svTRID>
    </trID>
  </response>
</epp>
```

#### 4. Host Update

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
```

```

<command>
  <update>
    <host:update xmlns:host="urn:ietf:params:xml:ns:host-1.0">
      <host:name>ns.domain.su</host:name>
      <host:add>
        <host:addr ip="v4">1.2.3.5</host:addr>
      </host:add>
    </host:update>
  </update>
  <clTRID>SUBREG20190816T173354ZEDD</clTRID>
</command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T173354ZEDD</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:33:54Z-
6Cs30dfBnHN5x</svTRID>
    </trID>
  </response>
</epp>

```

## 5. Host Delete

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <delete>
      <host:delete xmlns:host="urn:ietf:params:xml:ns:host-1.0">
        <host:name>ns.domain.su</host:name>
      </host:delete>
    </delete>
    <clTRID>SUBREG20190816T173354Z176</clTRID>
  </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T173354Z176</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T17:33:54Z-
HRHzGr8Ta0wRS</svTRID>
    </trID>
  </response>
</epp>

```

## 4. Domain Operations

### 1. Domain Check - Single Domain

#### 1. Domain Check - Single Domain

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <check>
      <domain:check
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain1.su</domain:name>
      </domain:check>
    </check>
    <clTRID>SUBREG20190816T193839ZDF5</clTRID>
  </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <chkData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:cd>
          <domain:name avail="0">domain1.su</domain:name>

```

```

        <domain:reason>Domain already exists</domain:reason>
    </domain:cd>
</chkData>
</resData>
<trID>
    <clTRID>SUBREG20190816T193839ZDF5</clTRID>
    <svTRID>SUBREGISTRY-2019-08-16T19:38:39Z-
ap9o5zNKKGt5h</svTRID>
</trID>
</response>
</epp>

```

## 2. Domain Check - Multiple Domain

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
    <command>
        <check>
            <domain:check
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
                <domain:name>domain1.su</domain:name>
                <domain:name>domain66.su</domain:name>
                <domain:name>domain3.su</domain:name>
            </domain:check>
        </check>
        <clTRID>SUBREG20190816T193725Z89B</clTRID>
    </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
    <response>
        <result code="1000">
            <msg>Command completed successfully</msg>
        </result>
        <resData>
            <chkData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
                <domain:cd>
                    <domain:name avail="0">domain1.su</domain:name>
                    <domain:reason>Domain already exists</domain:reason>
                </domain:cd>
                <domain:cd>
                    <domain:name avail="1">domain66.su</domain:name>
                </domain:cd>
            </chkData>
        </resData>
    </response>
</epp>

```

```

    <domain:cd>
      <domain:name avail="0">domain3.su</domain:name>
      <domain:reason>Domain already exists</domain:reason>
    </domain:cd>
  </chkData>
</resData>
<trID>
  <clTRID>SUBREG20190816T193725Z89B</clTRID>
  <svTRID>SUBREGISTRY-2019-08-16T19:37:25Z-
hiJtOPGVWSqAg</svTRID>
</trID>
</response>
</epp>

```

## 2. Domain Create

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <create>
      <domain:create xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain124.su</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:ns>
          <domain:hostObj>ns.domainhandle.com</domain:hostObj>
          <domain:hostObj>ns2.domainhandle.com</domain:hostObj>
        </domain:ns>
        <domain:registrant>contacthandle002</domain:registrant>
        <domain:contact
type="admin">contacthandle002</domain:contact>
          <domain:contact
type="tech">contacthandle002</domain:contact>
            <domain:contact
type="billing">contacthandle002</domain:contact>
              <domain:authInfo>
                <domain:pw>secret554</domain:pw>
              </domain:authInfo>
            </domain:contact>
          </domain:create>
        </create>
        <clTRID>SUBREG20190816T192254ZD2F</clTRID>
      </command>
    </epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>

```

```

<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <creData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain124.su</domain:name>
        <domain:crDate>2019-08-16T19:22:54Z</domain:crDate>
        <domain:exDate>2020-08-16T19:22:54Z</domain:exDate>
      </creData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T192254ZD2F</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:54Z-
84xqTPs6lNAMl</svTRID>
    </trID>
  </response>
</epp>

```

### 3. Domain Info

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <info>
      <domain:info xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain123.su</domain:name>
        <domain:authInfo>
          <domain:pw>secret554</domain:pw>
        </domain:authInfo>
      </domain:info>
    </info>
    <clTRID>SUBREG20190816T192255ZA49</clTRID>
  </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>

```

```

<infData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
  <domain:name>domain123.su</domain:name>
  <domain:roid>249667</domain:roid>
  <domain:status s="ok">
</domain:status>
  <domain:clid>gransyl</domain:clid>
  <domain:crId>gransyl</domain:crId>
  <domain:upID>gransyl</domain:upID>
  <domain:crDate>2019-08-16T19:22:54Z</domain:crDate>
  <domain:upDate>2019-08-16T19:22:54Z</domain:upDate>
  <domain:exDate>2020-08-16T19:22:54Z</domain:exDate>
  <domain:registrant>contacthandle002</domain:registrant>
  <domain:contact
type="admin">contacthandle002</domain:contact>
  <domain:contact
type="billing">contacthandle002</domain:contact>
  <domain:contact
type="tech">contacthandle002</domain:contact>
  <domain:ns>
  <domain:hostObj>ns.testdomain55.com</domain:hostObj>
  <domain:hostObj>ns2.testdomain55.com</domain:hostObj>
</domain:ns>
  <domain:authInfo>
  <domain:pw>secret554</domain:pw>
</domain:authInfo>
</infData>
</resData>
<trID>
  <clTRID>SUBREG20190816T192255ZA49</clTRID>
  <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
j1WZZeXQqkTSs</svTRID>
</trID>
</response>
</epp>

```

#### 4. Domain Update

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <update>
      <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain123.su</domain:name>
        <domain:add>
          <domain:ns>
            <domain:hostObj>ns.testdomain55.com</domain:hostObj>

```



```

        <domain:hostObj>ns2.testdomain55.com</domain:hostObj>
    </domain:ns>
    <domain:contact
type="admin">contacthandle002</domain:contact>
    <domain:contact
type="tech">contacthandle002</domain:contact>
    <domain:contact
type="billing">contacthandle002</domain:contact>
</domain:add>
<domain:rem>
<domain:ns>
    <domain:hostObj>ns.domainhandle.com</domain:hostObj>
    <domain:hostObj>ns2.domainhandle.com</domain:hostObj>
</domain:ns>
<domain:contact
type="admin">contacthandle001</domain:contact>
<domain:contact
type="tech">contacthandle001</domain:contact>
<domain:contact
type="billing">contacthandle001</domain:contact>
</domain:rem>
<domain:chg>
    <domain:registrant>contacthandle002</domain:registrant>
</domain:chg>
</domain:update>
</update>
<clTRID>SUBREG20190816T192254Z893</clTRID>
</command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T192254Z893</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:54Z-
rMxF2AxJjpiEb</svTRID>
    </trID>
  </response>
</epp>

```

## 5. Domain Transfer

### 1. Domain Transfer - Request

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <transfer op="request">
      <domain:transfer
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:authInfo>
          <domain:pw>secret554</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>SUBREG20190816T192255Z166</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain123.su</domain:name>
        <domain:trStatus>pending</domain:trStatus>
        <domain:reID>gransy2</domain:reID>
        <domain:reDate>2019-08-16T19:22:55Z</domain:reDate>
        <domain:acID>gransy1</domain:acID>
        <domain:acDate>2019-09-15T19:22:55Z</domain:acDate>
        <domain:exDate>2021-08-16T19:22:54Z</domain:exDate>
        <domain:period>1</domain:period>
      </trnData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T192255Z166</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
QEQQQ6XLp9S5Y</svTRID>
    </trID>
  </response>
</epp>
```

## 2. Domain Transfer - Cancel

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <transfer op="cancel">
      <domain:transfer
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:authInfo>
          <domain:pw>secret554</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>SUBREG20190816T192255Z025</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain123.su</domain:name>
        <domain:trStatus>clientCancelled</domain:trStatus>
        <domain:reID>gransy2</domain:reID>
        <domain:reDate>2019-08-16T19:22:55Z</domain:reDate>
        <domain:acID>gransy1</domain:acID>
        <domain:acDate>2019-09-15T19:22:55Z</domain:acDate>
        <domain:exDate>2021-08-16T19:22:54Z</domain:exDate>
        <domain:period>1</domain:period>
      </trnData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T192255Z025</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
fNOG5Kc6KFWKf</svTRID>
    </trID>
  </response>
</epp>
```

### 3. Domain Transfer - Approve

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <transfer op="approve">
      <domain:transfer
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:authInfo>
          <domain:pw>secret554</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>SUBREG20190816T192255Z83B</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain123.su</domain:name>
        <domain:trStatus>clientApproved</domain:trStatus>
        <domain:reID>gransy2</domain:reID>
        <domain:reDate>2019-08-16T19:22:55Z</domain:reDate>
        <domain:acID>gransy1</domain:acID>
        <domain:acDate>2019-08-16T19:22:55Z</domain:acDate>
        <domain:exDate>2021-08-16T19:22:54Z</domain:exDate>
        <domain:period>1</domain:period>
      </trnData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T192255Z83B</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
JyM17nghZkjRB</svTRID>
    </trID>
  </response>
</epp>
```

#### 4. Domain Transfer - Reject

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <transfer op="reject">
      <domain:transfer
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:authInfo>
          <domain:pw>secret554</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>SUBREG20190816T192255Z5E6</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain123.su</domain:name>
        <domain:trStatus>clientRejected</domain:trStatus>
        <domain:reID>gransy2</domain:reID>
        <domain:reDate>2019-08-16T19:22:55Z</domain:reDate>
        <domain:acID>gransy1</domain:acID>
        <domain:acDate>2019-09-15T19:22:55Z</domain:acDate>
        <domain:exDate>2021-08-16T19:22:54Z</domain:exDate>
        <domain:period>1</domain:period>
      </trnData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T192255Z5E6</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
dqKB5R0AjVI1o</svTRID>
    </trID>
  </response>
</epp>
```

## 6. Domain Renew

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <renew>
      <domain:renew xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain124.su</domain:name>
        <domain:curExpDate>2020-08-16</domain:curExpDate>
        <domain:period unit="y">1</domain:period>
      </domain:renew>
    </renew>
    <clTRID>SUBREG20190816T192255ZA25</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <renData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain124.su</domain:name>
        <domain:exDate>2021-08-16T19:22:54Z</domain:exDate>
      </renData>
    </resData>
    <trID>
      <clTRID>SUBREG20190816T192255ZA25</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-rXJKEx9u1Yjpc</svTRID>
    </trID>
  </response>
</epp>
```

## 7. Domain Delete

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <delete>
      <domain:delete xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
      </domain:delete>
    </delete>
    <clTRID>SUBREG20190816T192255ZC86</clTRID>
  </command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T192255ZC86</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-gCm9JMSY4DmEM</svTRID>
    </trID>
  </response>
</epp>

```

## 8. Domain Restore

### 1. Domain Restore - Request

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <update>
      <domain:update
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
        <domain:chg/>
      </domain:update>
    </update>
    <extension>
      <rgp:update xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0">
        <rgp:restore op="request"/>
      </rgp:update>
    </extension>
  </command>
</epp>

```

```
</extension>
<clTRID>SUBREG20190816T192255Z57C</clTRID>
</command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <extension>
      <upData xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0">
        <rgp:rgpStatus s="pendingRestore">
          </rgp:rgpStatus>
        </upData>
      </extension>
      <trID>
        <clTRID>SUBREG20190816T192255Z57C</clTRID>
        <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
IvzLlL2SBLsx2</svTRID>
      </trID>
    </response>
  </epp>
```

## 2. Domain Restore - Report

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <update>
      <domain:update
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>domain123.su</domain:name>
        <domain:chg/>
      </domain:update>
    </update>
    <extension>
      <rgp:update xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0">
        <rgp:restore op="report">
          <rgp:report>
            <rgp:preData>WHOIS DATA</rgp:preData>
            <rgp:postData>WHOIS DATA</rgp:postData>
            <rgp:delTime>2019-08-16T19:22:55Z</rgp:delTime>
            <rgp:resTime>2019-08-16T19:32:55.0Z</rgp:resTime>
          </rgp:report>
        </rgp:restore>
      </rgp:update>
    </extension>
  </command>
</epp>
```



```

        <rgp:resReason>Registrant Error</rgp:resReason>
        <rgp:statement>Registrar , ID someid, attests that
we have not restored the name above in order to assume the
rights to use or sell the Regi
stered Name ourselves or for any third party.
</rgp:statement>
        <rgp:statement>Registrar , ID someid, attests that
the information in this report is true to the best of our
knowledge, and we acknowledge t
hat intentionally supplying false information in the
Restore Report shall constitute an incurable material
breach of the Registry-Registrar Agreement.</rgp:statement>
        <rgp:other>I, Name Surname, CEO, attest that I am
duly authorized to submit Restore Reports on behalf of
Registrar , ID someid.</rgp:other>
    </rgp:report>
</rgp:restore>
</rgp:update>
</extension>
<clTRID>SUBREG20190816T192255Z52F</clTRID>
</command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T192255Z52F</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
Rs47BxHnLcHv0</svTRID>
    </trID>
  </response>
</epp>

```

## 5. DNSSEC Operation

### 1. Domain Create with DNSSEC

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <create>

```

```

<domain:create xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
  <domain:name>dnssec-signed.su</domain:name>
  <domain:period unit="y">1</domain:period>
  <domain:ns>
    <domain:hostObj>ns.domainhandle.com</domain:hostObj>
    <domain:hostObj>ns2.domainhandle.com</domain:hostObj>
  </domain:ns>
  <domain:registrant>contacthandle002</domain:registrant>
  <domain:contact
type="admin">contacthandle002</domain:contact>
    <domain:contact
type="tech">contacthandle002</domain:contact>
    <domain:contact
type="billing">contacthandle002</domain:contact>
    <domain:authInfo>
      <domain:pw>secret554</domain:pw>
    </domain:authInfo>
  </domain:create>
</create>
<extension>
  <secDNS:create xmlns:secDNS="urn:ietf:params:xml:ns:secDNS-
1.1">
    <secDNS:dsData>
      <secDNS:keyTag>56890</secDNS:keyTag>
      <secDNS:alg>7</secDNS:alg>
      <secDNS:digestType>1</secDNS:digestType>

      <secDNS:digest>57778CA7AA1CA8BFF256F5EA3CD151F246852C13</secDN
S:digest>
    </secDNS:dsData>
    <secDNS:dsData>
      <secDNS:keyTag>56890</secDNS:keyTag>
      <secDNS:alg>7</secDNS:alg>
      <secDNS:digestType>2</secDNS:digestType>

      <secDNS:digest>4979BA7D7C00E6020A11EA2535DD95E5293D657875720EC
1260926195AF6389E</secDNS:digest>
    </secDNS:dsData>
  </secDNS:create>
</extension>
<clTRID>SUBREG20190816T195208Z935</clTRID>
</command>
</epp>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">

```

```

    <msg>Command completed successfully</msg>
  </result>
  <resData>
    <creData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
      <domain:name>dnssec-signed.su</domain:name>
      <domain:crDate>2019-08-16T19:52:08Z</domain:crDate>
      <domain:exDate>2020-08-16T19:52:08Z</domain:exDate>
    </creData>
  </resData>
  <trID>
    <clTRID>SUBREG20190816T195208Z935</clTRID>
    <svTRID>SUBREGISTRY-2019-08-16T19:52:08Z-
Ne6sMTcjMHVXv</svTRID>
  </trID>
</response>
</epp>

```

## 2. Add DNSSEC to Domain

Request:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <update>
      <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain124.su</domain:name>
      </domain:update>
    </update>
    <extension>
      <secDNS:update xmlns:secDNS="urn:ietf:params:xml:ns:secDNS-
1.1">
        <secDNS:add>
          <secDNS:dsData>
            <secDNS:keyTag>56890</secDNS:keyTag>
            <secDNS:alg>7</secDNS:alg>
            <secDNS:digestType>1</secDNS:digestType>

<secDNS:digest>57778CA7AA1CA8BFF256F5EA3CD151F246852C13</secDNS
:digest>
          </secDNS:dsData>
          <secDNS:dsData>
            <secDNS:keyTag>56890</secDNS:keyTag>
            <secDNS:alg>7</secDNS:alg>
            <secDNS:digestType>2</secDNS:digestType>

<secDNS:digest>4979BA7D7C00E6020A11EA2535DD95E5293D657875720EC1
260926195AF6389E</secDNS:digest>
        </secDNS:add>
      </secDNS:update>
    </extension>
  </command>
</epp>

```

```
        </secDNS:dsData>
      </secDNS:add>
    </secDNS:update>
  </extension>
  <clTRID>SUBREG20190816T192255Z508</clTRID>
</command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T192255Z508</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
TiOGnrxr52L0s8</svTRID>
    </trID>
  </response>
</epp>
```

### 3. Remove DNSSEC from Domain

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <update>
      <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">
        <domain:name>domain124.su</domain:name>
      </domain:update>
    </update>
    <extension>
      <secDNS:update xmlns:secDNS="urn:ietf:params:xml:ns:secDNS-
1.1">
        <secDNS:rem>
          <secDNS:keyTag>56890</secDNS:keyTag>
        </secDNS:rem>
      </secDNS:update>
    </extension>
    <clTRID>SUBREG20190816T194053ZB8B</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T194053ZB8B</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:22:55Z-
TiOGnXr52LOs8</svTRID>
    </trID>
  </response>
</epp>
```

## 6. Logout

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <logout/>
    <clTRID>SUBREG20190816T192843ZE84</clTRID>
  </command>
</epp>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>SUBREG20190816T192843ZE84</clTRID>
      <svTRID>SUBREGISTRY-2019-08-16T19:28:43Z-
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