Examples of EPP requests and responses in flexireg system
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Description
The following abbreviations are used in the examples of requests and responses in flexireg system:

S: server responses from flexireg system to registrar.
C: client requests from registrar to flexireg system.

1. Connection *greeting*

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <greeting>
S: <svID>SRS FAITID</svID>
S: <svDate>2015-02-20T15:19:11.395Z</svDate>
S: <svcMenu>
S: <version>1.0</version>
S: <lang>en</lang>
S: <lang>ru</lang>
S: <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
S: <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
S: <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
S: <svcExtension>
S: <extURI>http://www.tcinet.ru/epp/tci-contact-ext-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:idn-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:launch-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:secDNS-1.1</extURI>
S: </svcExtension>
S: </svcMenu>
S: <dcp>
S: <access>
S: <all/>
S: </access>
S: <statement>
S: <purpose>
S: <admin/>
S: <other/>
S: </purpose>
S: <recipient>
S: <ours/>
S: <public/>
S: <unrelated/>
S: </recipient>
S: <retention>
S: <legal/>
S: </retention>
S: </statement>
S: </dcp>
S: </greeting>
2. Logging in and changing password *login Changing Password*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <clID>test-registrar1</clID>
C: <pw>new-test1234</pw>
C: <newPW>test1234</newPW>
C: <options>
C: <version>1.0</version>
C: <lang>en</lang>
C: </options>
C: <svcs>
C: <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
C: <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
C: <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
C: <svcExtension>
C: <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
C: <extURI>urn:ietf:params:xml:ns:launch-1.0</extURI>
C: <extURI>http://www.tcinet.ru/epp/tci-contact-ext-1.0</extURI>
C: <extURI>urn:ietf:params:xml:ns:idn-1.0</extURI>
C: <extURI>urn:ietf:params:xml:ns:secDNS-1.1</extURI>
C: </svcExtension>
C: </svcs>
C: </clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <trID>
S: <clTRID>test-registrar1-0000009:line330-1424445551864</clTRID>
S: </clTRID>
S: <svTRID>201502201911528667008700739603e902312b1cee9db13ed3e8ba42e2</svTRID>
S: </svTRID>
S: </response>
S: </epp>
3. Logging in *login*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <command>
C: <login>
C: <clID>test-registrar1</clID>
C: <pw>test1234</pw>
C: <options>
C: <version>1.0</version>
C: <lang>en</lang>
C: </options>
C: <svcs>
C: <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
C: <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
C: <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
C: <svcExtension>
C: <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
C: <extURI>urn:ietf:params:xml:ns:launch-1.0</extURI>
C: <extURI>http://www.tcinet.ru/epp/tci-contact-ext-1.0</extURI>
C: <extURI>urn:ietf:params:xml:ns:idn-1.0</extURI>
C: <extURI>urn:ietf:params:xml:ns:secDNS-1.1</extURI>
C: </svcExtension>
C: </svcs>
C: </login>
C: <clTRID>test-registrar1-0000014:line364-1424445552129</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <trlID>
S: <clTRID>test-registrar1-0000014:line364-1424445552129</clTRID>
S: <svTRID>20150220191179194700870073a2f728b05644bfff81c8d0b0985864e8a</svTRID>
S: </trlID>
S: </response>
S: </epp>

4. Keeping the EPP session active *hello (Keep-Alive)*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <hello/>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <greeting>
S: <svID>SRS FAITID</svID>
S: <svDate>2015-02-20T15:19:11.852Z</svDate>
S: <svcMenu>
S: <version>1.0</version>
S: <lang>en</lang>
S: <lang>ru</lang>
S: <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
S: <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
S: <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
S: <svcExtension>
S: <extURI>http://www.tcinet.ru/epp/tci-contact-ext-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:idn-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:launch-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
S: <extURI>urn:ietf:params:xml:ns:secDNS-1.1</extURI>
S: </svcExtension>
S: </svcMenu>
S: <dcp>
S: <access>
S: <all/>
S: </access>
S: <statement>
S: <purpose>
S: <admin/>
S: <other/>
S: </purpose>
S: <recipient>
S: <ours/>
S: <public/>
S: <unrelated/>
S: </recipient>
S: <retention>
S: <legal/>
S: </retention>
S: </statement>
S: </dcp>
S: </greeting>
S: </epp>
5. Checking if Contact object is registered *contact:check*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C:  <command>
C:   <check xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
C:     <contact:id>ote-c1--1-35-39</contact:id>
C:     <contact:id>ote-c2--1-35-39</contact:id>
C:     <contact:id>OTE-C3--1-35-39</contact:id>
C:   </check>
C:   </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S:  <response>
S:   <result code="1000">
S:     <msg lang="en">Command completed successfully</msg>
S:   </result>
S:   <resData>
S:     <contact:chkData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
S:       <contact:id avail="1">ote-c1--1-35-39</contact:id>
S:       <contact:id>ote-c2--1-35-39</contact:id>
S:       <contact:id>OTE-C3--1-35-39</contact:id>
S:     </contact:chkData>
S:   </resData>
S:   <trID>
S:     <clTRID>test-registrar1-0000016:line375-1424445552286</clTRID>
S:   </trID>
S: </response>
S: </epp>

6. Registering Contact object *contact:create*
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
	<command>
		<create>
			<contact:create xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
				<contact:id>ote-c1-1-35-39</contact:id>
				<contact:postalInfo type="int">
					<contact:name>John Doe</contact:name>
					<contact:org>Example Inc.</contact:org>
					<contact:addr>
						<contact:street>123 Example Dr.</contact:street>
						<contact:street>Suite 100</contact:street>
						<contact:street>Suite 101</contact:street>
						<contact:street>Dulles</contact:street>
						<contact:sp>VA</contact:sp>
						<contact:pc>20166-6503</contact:pc>
						<contact:cc>US</contact:cc>
				</contact:addr>
			</contact:postalInfo>
			<contact:postalInfo type="loc">
				<contact:name>Джон Doe</contact:name>
				<contact:org>Примерная корпорация</contact:org>
				<contact:addr>
					<contact:street>123 Примерная улица</contact:street>
					<contact:street>Дом 100</contact:street>
					<contact:street>Дом 101</contact:street>
					<contact:street>Dulles</contact:street>
					<contact:sp>VA</contact:sp>
					<contact:pc>20166-6503</contact:pc>
					<contact:cc>US</contact:cc>
			</contact:addr>
		</contact:postalInfo>
			<contact:voice x="1234">+1.7035555555</contact:voice>
			<contact:fax x="5678">+1.7035555556</contact:fax>
			<contact:email>jdoe@example.com</contact:email>
			<contact:authInfo>
				<contact:pw>2fooBAR</contact:pw>
			</contact:authInfo>
		</contact:create>
	</create>
	<extension>
		<contact:create xmlns:contact="http://www.tcinet.ru/epp/tci-contact-ext-1.0"
xmns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.tcinet.ru/epp/tci-contact-ext-1.0 tci-contact-ext-1.0.xsd">
			<contact:person>
				<contact:birthday>1980-11-10</contact:birthday>
			<contact:passport>01 23 123456, выдан ОВД энского р-на</contact:passport>
		</contact:person>
	</extension>
</epp>
7. Updating attributes and setting statuses of Contact object *contact:update*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<command>
<update>
<contact:update xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xmns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
<contact:chg>
<contact:postalInfo type="int">
<contact:name>John Doe</contact:name>
</contact:postalInfo>
</contact:chg>
<contact:rem>
<contact:status s="clientTransferProhibited"/>
</contact:rem>
<contact:chg>
<contact:status s="clientDeleteProhibited"/>
<contact:status s="clientUpdateProhibited">Payment overdue.</contact:status>
</contact:chg>
<contact:chg>
<contact:status s="clientUpdateProhibited"/>
</contact:chg>
</contact:update>
</update>
</command>
</epp>
```
C:  <contact:org>Example Inc.</contact:org>
C:  <contact:addr>
C:  <contact:street>123 Example Dr.</contact:street>
C:  <contact:street>Suite 100</contact:street>
C:  <contact:street>Suite 101</contact:street>
C:  <contact:city>Dulles</contact:city>
C:  <contact:sp>VA</contact:sp>
C:  <contact:pc>20166-6503</contact:pc>
C:  <contact:cc>US</contact:cc>
C:  </contact:addr>
C:  </contact:postalInfo>
C:  <contact:addr type="loc">
C:  <contact:name>Джон До</contact:name>
C:  <contact:org>Примерная корпорация</contact:org>
C:  <contact:addr>
C:  <contact:street>123 Примерная улица</contact:street>
C:  <contact:street>Дом 100</contact:street>
C:  <contact:street>Дом 101</contact:street>
C:  <contact:city>Дуллес</contact:city>
C:  <contact:sp>VA</contact:sp>
C:  <contact:pc>20166-6503</contact:pc>
C:  <contact:cc>US</contact:cc>
C:  </contact:addr>
C:  </contact:postalInfo>
C:  <contact:voice x="1234">+1.7035555555</contact:voice>
C:  <contact:fax x="5678">+1.7035555556</contact:fax>
C:  <contact:email>jdoe@example.com</contact:email>
C:  <contact:authInfo>
C:  <contact:pw>2fooBAR</contact:pw>
C:  </contact:authInfo>
C:  </contact:chg>
C:  </contact:update>
C:  </update>
C:  <clTRID>test-registrar1-0000021:line407-1424445552738</clTRID>
C:  </command>
C:  </epp>

S:  <?xml version="1.0" encoding="UTF-8"?>
S:  <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S:  <response>
S:  <result code="1000">
S:  <msg lang="en">Command completed successfully</msg>
S:  </result>
S:  <trID>
S:  <clTRID>test-registrar1-0000021:line407-1424445552738</clTRID>
S:  <svTRID>2015022019191242675800870073a2f728b05644bfff81c8d0b0985864e8a</svTRID>
S:  </trID>
S:  </response>
8. Adding extension to Contact object *contact:update with Extension*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <contact:update xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
C: <contact:id>ote-c1-1-35-39</contact:id>
C: <contact:rem>
C: <contact:status s="clientDeleteProhibited"/>
C: </contact:rem>
C: </contact:update>
C: </extension>
C: <contact:update xmlns:contact="http://www.tcinet.ru/epp/tci-contact-ext-1.0"
xsi:schemaLocation="http://www.tcinet.ru/epp/tci-contact-ext-1.0 tci-contact-ext-1.0.xsd">
C: <contact:chg>
C: <contact:person>
C: <contact:birthday>1981-11-10</contact:birthday>
C: <contact:passport>98 76 654321, выдан другим ОВД</contact:passport>
C: </contact:person>
C: </contact:chg>
C: </contact:update>
C: </extension>
C: <clTRID>test-registrar1-0000024:line435-1424445553170</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <trID>
S: <clTRID>test-registrar1-0000024:line435-1424445553170</clTRID>
S: <svTRID>20150220191287587100870073a2f728b05644bf81c8d0b0985864e8a</svTRID>
S: </trID>
S: </response>
S: </epp>
9. Getting information about Contact object *contact:info*

```
C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <info>
C:  <contact:info xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
C:   <contact:id>ote-c1--1-35-39</contact:id>
C: </contact:info>
C: </info>
C: <clTRID>test-registrar1-0000025:line445-1424445553290</clTRID>
C: </command>
C: </epp>
```

```
S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S:  <result code="1000">
S:   <msg lang="en">Command completed successfully</msg>
S:  </result>
S:  <resData>
S:   <contact:infData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
S:     <contact:id>ote-c1--1-35-39</contact:id>
S:   </contact:infData>
S:   <contact:roid>20150220191912027008_a2f728b05644bffb81c8d0b0985864e8a_contact-FIR</contact:roid>
S:   <contact:status s="ok"/>
S:   <contact:postallInfo type="int">
S:     <contact:name>John Doe</contact:name>
S:     <contact:org>Example Inc.</contact:org>
S:     <contact:addr>
S:       <contact:street>123 Example Dr.</contact:street>
S:       <contact:street>Suite 100</contact:street>
S:       <contact:street>Suite 101</contact:street>
S:       <contact:city>Dulles</contact:city>
S:       <contact:sp>VA</contact:sp>
S:       <contact:pc>20166-6503</contact:pc>
S:       <contact:cc>US</contact:cc>
S:     </contact:addr>
S: </contact:postallInfo>
S:   <contact:postallInfo type="loc">
S:     <contact:name>Джон До</contact:name>
S:     <contact:org>Примерная корпорация</contact:org>
S:     <contact:addr>
S:       <contact:street>123 Примерная улица</contact:street>
```
10. Requesting a transfer of Contact object *contact:transfer (Request)*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C:   <command>
C:     <transfer op="request">
C:       <contact:transfer xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
C:         <contact:id>ote-c1--1-35-39</contact:id>
C:         <contact:authInfo>
C:      </contact:infoData>
C:   </transfer>
C: </command>
C: </epp>
11. Checking the status of Contact object’s transfer *contact:transfer (Query)*
12. Rejection of Contact object's transfer *contact:transfer (Reject)*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <transfer op="reject">
      <contact:transfer xmlns:contact="urn:ietf:params:xml:ns:contact-1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
        <contact:id>ote-c1--1-35-39</contact:id>
        <contact:authInfo/>
        <contact:transfer/>
        <clTRID>test-registrar2-0000031:line479-1424445553849</clTRID>
      </contact:transfer>
    </transfer>
  </command>
</epp>
```
13. **Checking if Domain object is registered in registry** *domain:check*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<command>
	<check>
		<domain:check xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
			<domain:name>example-1-1-35-39.3d.test</domain:name>
			<domain:name>claims-1-1-35-39.3d.test</domain:name>
		</domain:check>
	</command>
</epp>
```
14. Checking if Domain object is registered in registry *host:check*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
<command>
<check>
<host:check xmlns:host="urn:ietf:params:xml:ns:host-1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:host-1.0 host-1.0.xsd">
<host:name>ns1.example-1-1-35-39.ru</host:name>
<host:name>ns3.nic-1-35-39.center</host:name>
<host:name>host.example-1-1-35-39.3d.test</host:name>
<host:name>xn--n1agdj.example-1-1-35-39.3d.test</host:name>
</host:check>
</check>
</command>
</epp>
```
15. Registering external Host object *host:create External*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <create>
16. Registering Domain object *domain:create*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <create>
C: <domain:create xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
C: <domain:name>example-1-1-35-39.3d.test</domain:name>
C: <domain:ns>
C: <domain:hostObj>ns1.example-1-1-35-39.ru</domain:hostObj>
C: <domain:hostObj>ns2.example-1-1-35-39.net</domain:hostObj>
C: </domain:ns>
C: </domain:create>
C: </command>
C: </epp>
17. Registering Domain object with DNSSEC extension *domain:create with DNSSec*
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <msgQ count="1" id="2419">
      <qDate>2015-02-20T15:19:13.364Z</qDate>
      <msg lang="en">Contact ote@c3--1-35-39 transfer requested.</msg>
    </msgQ>
    <resData>
      <domain:creData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>dnssec-1-1-35-39.3d.test</domain:name>
        <domain:crDate>2015-02-20T15:19:15.583Z</domain:crDate>
        <domain:exDate>2016-02-20T15:19:15.583Z</domain:exDate>
      </domain:creData>
    </resData>
  </response>
</epp>
18. Updating a registered Domain object and adding DNSSEC extension

*domain: update DNSSec*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
      <domain:name>dnssec-2-1-35-39.3d.test</domain:name>
    </domain:update>
  </command>
  <extension>
    <secDNS:update xmlns:secDNS="urn:ietf:params:xml:ns:secDNS-1.1"
xsi:schemaLocation="urn:ietf:params:xml:ns:secDNS-1.1 secDNS-1.1.xsd">
      <secDNS:add>
        <secDNS:dsData>
          <secDNS:keyTag>12350</secDNS:keyTag>
          <secDNS:alg>5</secDNS:alg>
          <secDNS:digestType>1</secDNS:digestType>
          <secDNS:digest>38AB35D5B3A34B44C39B38EC35D5B3A34B44C39B</secDNS:digest>
        </secDNS:dsData>
        <secDNS:dsData>
          <secDNS:keyTag>12351</secDNS:keyTag>
          <secDNS:alg>3</secDNS:alg>
          <secDNS:digestType>1</secDNS:digestType>
          <secDNS:digest>38AA35D5B3A34B44C39B38EC35D5B3A34B44C39C</secDNS:digest>
        </secDNS:dsData>
        <secDNS:dsData>
          <secDNS:keyTag>12352</secDNS:keyTag>
          <secDNS:alg>3</secDNS:alg>
          <secDNS:digestType>1</secDNS:digestType>
          <secDNS:digest>38AC35D5B3A34B44C39B38EC35D5B3A34B44C39D</secDNS:digest>
        </secDNS:dsData>
      </secDNS:add>
    </secDNS:update>
  </extension>
</epp>
```
19. Getting information about Domain object with DNSSEC extension *domain:info DNSSec*
<msgQ count="1" id="2419">
  <qDate>2015-02-20T15:19:13.364Z</qDate>
  <msg lang="en">Contact ote-c1--1-35-39 transfer requested.</msg>
</msgQ>
20. Updating Domain object *domain:update*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <update>
C: <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
C: <domain:name>example-1-1-35-39.3d.test</domain:name>
C: <domain:add>
C: <domain:ns>
C: <domain:hostObj>ns1.test-1-1-35-39.tel</domain:hostObj>
C: <domain:hostObj>ns3.nic-1-35-39.center</domain:hostObj>
C: <domain:hostObj>ns1.test-1-1-35-39.com</domain:hostObj>
C: </domain:ns>
C: <domain:status s="clientUpdateProhibited"/>
C: <domain:status s="clientHold">Payment overdue.</domain:status>
C: </domain:add>
C: <domain:rem>
C: </domain:rem>
C: <domain:chg>
C: <domain:registrant>ote-c2--1-35-39</domain:registrant>
C: <domain:authInfo>
C: <domain:pw>f#@^bdrASD123</domain:pw>
C: </domain:authInfo>
C: </domain:chg>
C: </domain:update>
C: </update>
C: <clTRID>test-registrar1-0000050:line600-1424445557357</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <msgQ count="1" id="2419">
S: <qDate>2015-02-20T15:19:13.364Z</qDate>
S: <msg lang="en">Contact ote-c1--1-35-39 transfer requested.</msg>
S: </msgQ>
S: <trID>
S: <clTRID>test-registrar1-0000050:line600-1424445557357</clTRID>
21. Updating DNSSEC extension of Domain object *domain:update DNSSec*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <update>
      <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>dnssec-1-1-35-39.3d.test</domain:name>
        <domain:rem>
          <domain:status s="clientUpdateProhibited"/>
        </domain:rem>
        <domain:chg>
          <domain:registrant>ote-c4--1-35-39</domain:registrant>
        </domain:chg>
      </domain:update>
    </update>
    <extension>
      <secDNS:update xmlns:secDNS="urn:ietf:params:xml:ns:secDNS-1.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:secDNS-1.1 secDNS-1.1.xsd">
        <secDNS:rem>
          <secDNS:all>true</secDNS:all>
        </secDNS:rem>
      </secDNS:update>
    </extension>
    <clTRID>test-registrar1-0000052:line641-1424445557841</clTRID>
  </command>
</epp>
```

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"/>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <msgQ count="1" id="2419">
S: <qDate>2015-02-20T15:19:13.364Z</qDate>
S: <msg lang="en">Contact ote-c1--1-35-39 transfer requested.</msg>
S: </msgQ>
22. Renewing domain *domain:renew*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
epp-1.0.xsd">
<command>
<renew>
domain:renew xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
<domain:name>example-1-1-35-39.3d.test</domain:name>
<domain:curExpDate>2016-02-20</domain:curExpDate>
<domain:period unit="y">1</domain:period>
</domain:renew>
</renew>
</command>
</epp>
```

S: <svTRID>2015022019191762591900870073a2f728b05644bff81c8d0b0985864e8a</svTRID>
23. Requesting the status of message queue; retrieving messages; dequeuing messages *Message Queue: Poll Request/Acknowledge*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmils:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <clTRID>test-registrar1-0000060:line690-1424445558679</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1301">
S: <msg lang="en">Command completed successfully; ack to dequeue</msg>
S: </result>
S: <msgQ count="2" id="2419">
S: <qDate>2015-02-20T15:19:13.364Z</qDate>
S: <msg lang="en">Contact ote-c1--1-35-39 transfer requested.</msg>
S: </msgQ>
S: <resData>
S: <contact:trnData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
S: <contact:id>ote-c1--1-35-39</contact:id>
S: <contact:trStatus>pending</contact:trStatus>
S: <contact:reID>test-registrar2</contact:reID>
S: <contact:reDate>2015-02-20T15:19:13.364Z</contact:reDate>
S: <contact:acID>test-registrar1</contact:acID>
S: <contact:acDate>2015-02-25T15:19:13.364Z</contact:acDate>
S: </contact:trnData>
S: </resData>
S: <trlID>
S: <clTRID>test-registrar1-0000060:line690-1424445558679</clTRID>
S: <svTRID>2015022019191836182600870073a2f728b05644b81c8d0b985864e8a</svTRID>
S: </trlID>
S: </response>
S: </epp>

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:cmd="urn:ietf:params:xml:ns:cmd-1.0"
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:para
taxml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <poll msgID="2419" op="ack"/>
    <clTRID>test-registrar1-0000060:line690-1424445558781</clTRID>
  </command>
</epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <msgQ count="1" id="2419"/>
    <trID>
      <clTRID>test-registrar1-0000060:line690-1424445558781</clTRID>
      <svTRID>2015022019191846610000870073a2f728b05644b81c8d0b0985864e8a</svTRID>
    </trID>
  </response>
</epp>

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:cmd="urn:ietf:params:xml:ns:cmd-1.0"
xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:para
taxml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <poll op="req"/>
    <clTRID>test-registrar1-0000060:line690-1424445558882</clTRID>
  </command>
</epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1301">
      <msg lang="en">Command completed successfully; ack to dequeue</msg>
    </result>
    <msgQ count="1" id="2422">
      <qDate>2015-02-20T15:19:17.910Z</qDate>
      <msg lang="en">Domain example-1-1-35-39.3d.test transfer requested.</msg>
    </msgQ>
    <resData>
      <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        <domain:name>example-1-1-35-39.3d.test</domain:name>
      </domain:trnData>
    </resData>
  </response>
</epp>
S: <domain:trStatus>pending</domain:trStatus>
S: <domain:reID>test-registrar2</domain:reID>
S: <domain:reDate>2015-02-20T15:19:17.910Z</domain:reDate>
S: <domain:acID>test-registrar1</domain:acID>
S: <domain:acDate>2015-02-25T15:19:17.910Z</domain:acDate>
S: <domain:exDate>2019-02-20T15:19:15.163Z</domain:exDate>
S: </domain:trnData>
S: </resData>
S: <trID>
S: <clTRID>test-registrar1-0000060:line690-1424445558882</clTRID>
S: <svTRID>20150220191856066100870073a2f728b05644bfff81c8d0b0985864e8a</svTRID>
S: </trID>
S: </response>
S: </epp>

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <poll msgID="2422" op="ack"/>
C: <clTRID>test-registrar1-0000060:line690-1424445558980</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <msgQ count="0" id="2422"/>
S: <trID>
S: <clTRID>test-registrar1-0000060:line690-1424445558980</clTRID>
S: <svTRID>20150220191856580400870073a2f728b05644bfff81c8d0b0985864e8a</svTRID>
S: </trID>
S: </response>
S: </epp>

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
24. Registering internal Host object *host:create Internal*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <create>
      <host:create xmlns:host="urn:ietf:params:xml:ns:host-1.0"
                    xsi:schemaLocation="urn:ietf:params:xml:ns:host-1.0 host-1.0.xsd">
        <host:name>ns1.dnssec-2-1-35-39.3d.test</host:name>
        <host:addr ip="v4">123.45.46.88</host:addr>
        <host:addr ip="v6">2101:0db9:12a3:05d7:1f34:8a2e:07a0:765d</host:addr>
      </host:create>
    </create>
  </command>
</epp>
```
25. Getting information about Host object *host:info*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <command>
C:  <info>
C:   <host:info xmlns:host="urn:ietf:params:xml:ns:host-1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:host-1.0 host-1.0.xsd">
C:    <host:name>host.example-1-1-35-39.3d.test</host:name>
C:    <host:info>
C:    </info>
C:  </info>
C:  <clTRID>test-registrar1-0000063:line707-1424445559356</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <resData>
S: <host:infData xmlns:host="urn:ietf:params:xml:ns:host-1.0">
S: <host:name>host.example-1-1-35-39.3d.test</host:name>
S: <host:roid>20150220191918909748_a2f728b05644bfff81c8d0b0985864e8a_host-FIR</host:roid>
S: <host:status s="ok"/>
S: <host:addr ip="v4">123.45.46.88</host:addr>
S: <host:addr ip="v6">2101:0db9:12a3:05d7:1f34:8a2e:07a0:765d</host:addr>
S: <host:clID>test-registrar1</host:clID>
S: <host:crID>test-registrar1</host:crID>
S: <host:crDate>2015-02-20T15:19:18.875Z</host:crDate>
S: </host:infData>
S: </resData>
S: </trID>
26. Updating Host object *host:update*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <update>
C:  <host:update xmlns:host="urn:ietf:params:xml:ns:host-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:host-1.0 host-1.0.xsd">
C:   <host:name>host.example-1-1-35-39.3d.test</host:name>
C:   <host:add>
C:      <host:addr ip="v4">98.76.54.123</host:addr>
C:      <host:addr ip="v4">123.53.72.46</host:addr>
C:      <host:addr ip="v6">13f5:0db9::1f34:8c2e:07a0:6523</host:addr>
C:      <host:status s="clientUpdateProhibited">Any reason.</host:status>
C:   </host:add>
C:   <host:rem>
C:      <host:addr ip="v4">123.45.46.88</host:addr>
C:      <host:addr ip="v6">2101:0db9:12a3:05d7:1f34:8a2e:07a0:765d</host:addr>
C:      <host:status s="clientDeleteProhibited"/>
C:   </host:rem>
C: </host:update>
C: </update>
C:</command>
C: </epp>
27. Deleting Host object *host:delete*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C:  <delete>
C:  <host:delete xmlns:host="urn:ietf:params:xml:ns:host-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:host-1.0 host-1.0.xsd">
C:   <host:name>ns1.dnssec-2-1-35-39.3d.test</host:name>
C:  </host:delete>
C: </delete>
C: <clTRID>test-registrar1-0000068:line748-1424445560033</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S:  <result code="1000">
S:   <msg lang="en">Command completed successfully</msg>
S:  </result>
S:  <clTRID>test-registrar1-0000068:line748-1424445560033</clTRID>
S: <svTRID>2015022019191969238900870073a2f728b05644bff81c8d0b0985864e8a</svTRID>
S:  </clTRID>
S: </response>
S: </epp>

28. Deleting Domain object *domain:delete*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C:  <delete>
C:  <domain:delete xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
C:   <domain:name>example-1-1-35-39.3d.test</domain:name>
C:  </domain:delete>
C: </delete>
C: <clTRID>test-registrar1-0000069:line753-1424445560100</clTRID>
C: </command>
29. Requesting restoration of Domain object during RGP *domain:update restore request*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <update>
      <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>example-1-1-35-39.3d.test</domain:name>
        <domain:chg/>
      </domain:update>
    </update>
    <extension>
      <rgp:update xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:rgp-1.0 rgp-1.0.xsd">
        <rgp:restore op="request"/>
      </rgp:update>
    </extension>
    <clTRID>test-registrar1-0000070:line758-1424445560187</clTRID>
  </command>
</epp>
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="2303">
      <msg lang="en">Object does not exist</msg>
    </result>
    <trID>
      <clTRID>test-registrar1-0000070:line758-1424445560187</clTRID>
    </trID>
  </response>
</epp>
```
S:  <value>
S:  <description xmlns="http://www.nic.ru/epp/runic-types-ext-1.0">
S:  <value>example-1-1-35-39.3d.test</value>
S:  </description>
S:  </value>
S:  </result>
S:  <trID>
S:    <clTRID>test-registrar1-0000070:line758-1424445560187</clTRID>
S:    <svTRID>20150220191986251500870073a2f728b05644bfff81c8d0b0985864e8a</svTRID>
S:  </trID>
S: </response>
S: </epp>

30. Confirmation of Domain object restoration in registry *domain:update restore report*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C:  <command>
C:   <update>
C:   <domain:update xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
C:    <domain:name>example-1-1-35-39.3d.test</domain:name>
C:    <domain:chg/>
C:  </domain:update>
C:  </update>
C: </command>
C: <extension>
C:   <rgp:update xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:rgp-1.0 rgp-1.0.xsd">
C:    <rgp:restore op="report">
C:     <rgp:report>
C:      <rgp:preData>Domain Name: example-1-1-35-39.3d.test
C:      Registry Domain ID: 201408121315333169013819f549ea8f4f0a093edf7b34bedc25-MSTC
C:      Creation Date: 2014-08-13T13:37:47Z
C:      Expiration Date: 2015-08-13T13:37:47Z
C:      Registry Registrant ID: 201408111919587918766f7966b87e5b89c1da989a26c459f60f-MSTC
C:      Registrant Name: John Doe
C:      Registrant Organization: Example Inc.
C:      Registrant Street: 123 Example Dr.


C: <rgp:resReason>Registrant error</rgp:resReason>
C: <rgp:statement>This registrar has not restored the
C: Registered Name in order to assume the rights to use
C: or sell the Registered Name for itself or for any
C: third party.</rgp:statement>
C: <rgp:statement>The information in this report is
C: true to best of this registrar's knowledge, and this
C: registrar acknowledges that intentionally supplying
C: false information in this report shall constitute an
C: incurable material breach of the
C: Registry-Registrar Agreement.</rgp:statement>
C: <rgp:other>Supporting information goes here</rgp:other>
C: </rgp:report>
C: </rgp:restore>
C: </rgp:update>
C: </extension>
C: <clTRID>test-registrar1-0000071:line764-1424445560274</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S:  <response>
S:   <result code="2303">
S:     <msg lang="en">Object does not exist</msg>
S:     <value>
S:       <description xmlns="http://www.nic.ru/epp/runic-types-ext-1.0">
S:         example-1-1-35-39.3d.test
S:       </description>
S:     </value>
S:   </result>
S:   <trID>
S:     <clTRID>test-registrar1-0000071:line764-1424445560274</clTRID>
S:   </trID>
S: </response>
S: </epp>

31. Deleting domain during Add Grace Period *domain:delete addGrace*

C: <?xml version="1.0" encoding="UTF-8"?>
32. Trying to delete unregistered Domain object *domain:delete*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  C: <command>
  C:  <delete>
  C:   <domain:delete xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
  C:    <domain:name>example-1-1-35-39.3d.test</domain:name>
  C:  </domain:delete>
  C: </delete>
  C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  S: <response>
  S:   <result code="1000">
  S:    <msg lang="en">Command completed successfully</msg>
  S: </result>
  S: <trID>
  S:   <clTRID>test-registrar1-0000072:line776-1424445560471</clTRID>
  S: </trID>
  S: </response>
S: </epp>
33. Deleting Contact object from registry *contact:delete*

C: <?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <contact:delete xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
      <contact:id>ote-c1--1-35-39</contact:id>
    </contact:delete>
  </command>
</epp>

S: <?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
</epp>
34. Logging out *logout*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0	epp-1.0.xsd">
C: <command>
C: <logout/>
C: </clTRID>test-registrar1-0000075:line786-1424445560840</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1500">
S: <msg lang="en">Command completed successfully; ending session</msg>
S: </result>
S: </clTRID>test-registrar1-0000075:line786-1424445560840</clTRID>
S: </response>
S: </epp>

35. Registering IDN domain *domain:create IDN*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0	epp-1.0.xsd">
C: <command>
C: <create>
C: <domain:create xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
C: <domain:name>xn-----1-37-2-4zhla4b2cemaoe85a.xn----
8sbfk0alovdec</domain:name>
C: <domain:hostObj>ns1.example-1-1-37-2.ru</domain:hostObj>
<domain:hostObj>ns2.example-1-1-37-2.net</domain:hostObj>
<domain:ns>
<domain:registrant>ote-c3--1-37-2</domain:registrant>
<domain:contact type="admin">ote-c4--1-37-2</domain:contact>
<domain:contact type="billing">ote-c4--1-37-2</domain:contact>
<domain:contact type="tech">ote-c2--1-37-2</domain:contact>
<domain:authInfo>
<domain:pw>my secret</domain:pw>
</domain:authInfo>
</domain:create>
</create>
<extension>
<idn:data xmlns:idn="urn:ietf:params:xml:ns:idn-1.0">
<idn:table>ru-RU</idn:table>
</idn:data>
</extension>
<clTRID>test-registrar1-0000053:line615-1427456297333</clTRID>
</command>
</epp>

<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
<response>
<result code="1000">
<msg lang="en">Command completed successfully</msg>
</result>
<msgQ count="4" id="727">
<qDate>2015-03-27T11:38:12.807Z</qDate>
<msg lang="en">Contact ote-c1--1-37-2 transfer requested.</msg>
</msgQ>
<resData>
<domain:creData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
<domain:name>xn------1-37-2-4zhl4b2cema0ae85a.xn------8bfk0alovdec</domain:name>
<domain:crDate>2015-03-27T11:38:17.355Z</domain:crDate>
<domain:exDate>2016-03-27T11:38:17.355Z</domain:exDate>
</domain:creData>
</resData>
<trID>
<clTRID>test-registrar1-0000053:line615-1427456297333</clTRID>
<svTRID>20150327113817811472002000213f2a97e2d455c053ef4572eceed034067</svTRID>
</trID>
</response>
</epp>

36. Getting information about IDN domain *domain:info IDN*

<?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  C: <command>
    C: <info>
      C: <domain:info xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        C: <domain:name>xn----1-37-2-4zhla4b2cemaoe85a.xn----8sbfk0alovdec</domain:name>
      C: </domain:info>
    C: </info>
    C: <clTRID>test-registrar1-0000054:line620-1427456297931</clTRID>
  C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  S: <response>
    S: <result code="1000">
      S: <msg lang="en">Command completed successfully</msg>
    S: </result>
    S: <msgQ count="4" id="727">
      S: <qDate>2015-03-27T11:38:12.807Z</qDate>
      S: <msg lang="en">Contact ote-c1--1-37-2 transfer requested.</msg>
    S: </msgQ>
    S: <resData>
      S: <domain:infData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
        S: <domain:name>xn----1-37-2-4zhla4b2cemaoe85a.xn----8sbfk0alovdec</domain:name>
        S: <domain:roid>20150327113817536814_3f2a97d2d455c053ef4572eced034067_domain-FIR</domain:roid>
        S: <domain:status s="ok"/>
        S: <domain:registrant>ote-c3--1-37-2</domain:registrant>
        S: <domain:contact type="admin">ote-c4--1-37-2</domain:contact>
        S: <domain:contact type="billing">ote-c4--1-37-2</domain:contact>
        S: <domain:contact type="tech">ote-c2--1-37-2</domain:contact>
        S: <domain:ns>
          S: <domain:hostObj>ns1.example-1-1-37-2.ru</domain:hostObj>
          S: <domain:hostObj>ns2.example-1-1-37-2.net</domain:hostObj>
        S: </domain:ns>
        S: <domain:clID>test-registrar1</domain:clID>
        S: <domain:crID>test-registrar1</domain:crID>
        S: <domain:crDate>2015-03-27T11:38:17.355Z</domain:crDate>
        S: <domain:exDate>2016-03-27T11:38:17.355Z</domain:exDate>
        S: <domain:authInfo>
          S: <domain:pw>my secret</domain:pw>
        S: </domain:authInfo>
      S: </domain:infData>
    S: </resData>
  S: </response>
</epp>
37. Getting information about Contact object with domain’s authinfo code during transfer *contact:info r oid*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <info>
C: <contact:info xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
C: <contact:id>ote-c334-64-43</contact:id>
C: <contact:pw r oid="20160316142433758815_10e8ebe566eebca2d02e1aff0a76d7d_domain-FIR">domain_authinfo_code</contact:pw>
C: </contact:info>
C: </info>
C: <clTRID>test-registrar2-0000045:line369-1458138277868</clTRID>
C: </command>
C: </epp>

S: <?xml version="1.0" encoding="UTF-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S: <response>
S: <result code="1000">
S: <msg lang="en">Command completed successfully</msg>
S: </result>
S: <resData>
S: <contact:infData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
S: <contact:id>ote-c1--1-13-68</contact:id>
<contact:roid>20140811191958791876f7966b87e5b89c1da989a26c459f60f-MSTC</contact:roid>
<contact:status s="clientDeleteProhibited"/>
<contact:status s="clientUpdateProhibited" lang="en">Payment overdue.</contact:status>
<contact:postalInfo type="int">
  <contact:name>John Doe</contact:name>
  <contact:org>Example Inc.</contact:org>
  <contact:addr>
    <contact:street>123 Example Dr.</contact:street>
    <contact:street>Suite 100</contact:street>
    <contact:street>Suite 101</contact:street>
    <contact:city>Dulles</contact:city>
    <contact:sp>VA</contact:sp>
    <contact:pc>20166-6503</contact:pc>
    <contact:cc>US</contact:cc>
  </contact:addr>
</contact:postalInfo>
<contact:voice x="1234">+1.7035555555</contact:voice>
<contact:fax x="5678">+1.7035555556</contact:fax>
<contact:email>jdoe@example.com</contact:email>
<contact:clID>test-registrar1</contact:clID>
<contact:crID>test-registrar1</contact:crID>
<contact:crDate>2014-08-11T15:19:58.551Z</contact:crDate>
<contact:upID>test-registrar1</contact:upID>
<contact:upDate>2014-08-11T15:19:59.551Z</contact:upDate>
<contact:infData>1980-11-10</contact:infData>
<contact:passport>01 23 123456, выдан ОВД энскаго р-на</contact:passport>
<contact:person>
</extension>
<trID>
  <clTRID>test-registrar2-0000045:line369-1458138277868</clTRID>
38. Landrush for list of domain names, which is performed in the General availability period *GA - launch:phase name="stageX"*

For landrush phase 1:
<launch:phase name="stage1">landrush</launch:phase>
or for landrush phase 2:
<launch:phase name="stage2">landrush</launch:phase>
or for landrush phase 3:
<launch:phase name="stage3">landrush</launch:phase>
or for landrush phase 4:
<launch:phase name="stage4">landrush</launch:phase>
e.t.c.

If landrush phase (stage) is not listed correctly (the corresponding landrush period has not come yet or has already ended), then the response from the server will contain an error message:
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S: <?xml version="1.0" encoding="utf-8"?>
S: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S:  <response>
S:   <result code="2306">
S:    <msg lang="en">Parameter value policy error</msg>
S:    <value>
S:     <description xmlns="http://www.nic.ru/epp/runic-types-ext-1.0">
S:       <value>phase:landrush, name:stage2</value>
S:       <location>/epp/command/extension/launch:create</location>
S:       <reason lang="en">Currently, the following phases: phase: landrush, sub-phase: stage1, object-type: registration;</reason>
S:     </description>
S:    </value>
S:   </result>
S:   <trID>
S:    <clTRID>ABC-12345</clTRID>
S:    <svTRID>201604151820401412810087007301defa2f11f2a40f1eae20ccc1f8d7e3</svTRID>
S:   </trID>
S: </response>
S: </epp>

39. **Landsrush for list of domainnames, which is performed in the Claims period**

* Claims - launch:phase name="stageX"*

For landsrush phase 1:
<launch:phase name="stage1">landrush</launch:phase>
For landsrush phase 2:
<launch:phase name="stage2">landrush</launch:phase>
For landsrush phase 3:
<launch:phase name="stage3">landrush</launch:phase>
For landsrush phase 4:
<launch:phase name="stage4">landrush</launch:phase>
e.t.c.

C: <?xml version="1.0" encoding="UTF-8"?>
C:  <command>
C:   <create>
C:    <domain:create xmlns:domain="urn:ietf:params:xml:ns:domain-1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
C:     <domain:name>example-62-87-24.testmsk.su</domain:name>
C:     <domain:registrant>ote-c32-87-24</domain:registrant>
C:     <domain:contact type="admin">ote-c42-87-24</domain:contact>
C:     <domain:contact type="billing">ote-c42-87-24</domain:contact>
C:     <domain:contact type="tech">ote-c22-87-24</domain:contact>

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If the landrush phase is not correctly listed (the corresponding landrush period has not
come yet or has already ended), the response from the server will contain the error,
described in example №38.

40. FEE extension usage *fee:check*

S: <?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
  </response>
  <resData>
    <domain:chkData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
      <domain:cd>
        <domain:name avail="1">premium-landrush-31-5-1.test-moscow</domain:name>
      </domain:cd>
      <domain:cd>
        <domain:name avail="1">example-landrush-21-5-1.test-moscow</domain:name>
      </domain:cd>
    </domain:chkData>
  </resData>
  <extension>
    <fee:chkData xmlns:fee="urn:ietf:params:xml:ns:fee-0.11">
      <fee:cd avail="1">
        <fee:object>
          <name xmlns="urn:ietf:params:xml:ns:domain-1.0">premium-landrush-31-5-1.test-moscow</name>
        </fee:object>
        <fee:command>create</fee:command>
        <fee:currency>RUB</fee:currency>
        <fee:period unit="y">1</fee:period>
        <fee:fee description="Domain create class:test_tier1" refundable="0" applied="immediate">1000</fee:fee>
        <fee:fee description="Launch phase 2 test-moscow" refundable="0" applied="immediate">37</fee:fee>
      </fee:cd>
      <fee:cd avail="1">
        <fee:object>
          <name xmlns="urn:ietf:params:xml:ns:domain-1.0">example-landrush-21-5-1.test-moscow</name>
        </fee:object>
        <fee:command>create</fee:command>
        <fee:currency>RUB</fee:currency>
        <fee:period unit="y">1</fee:period>
        <fee:fee description="Domain create" refundable="0" applied="immediate">100</fee:fee>
      </fee:cd>
    </fee:chkData>
  </extension>
</epp>
S: <fee:period unit="y">1</fee:period>
S: <fee:fee description="Domain renew class:test_tier1" refundable="1" grace-period="P5D" applied="immediate">1000</fee:fee>
S: <fee:class>test_tier1</fee:class>
S: </fee:cd>
S: <fee:cd avail="1">
S: <fee:object>
S: <name xmlns="urn:ietf:params:xml:ns:domain-1.0">example-landrush-21-5-1.test-moscow</name>
S: </fee:object>
S: <fee:command>renew</fee:command>
S: <fee:currency>RUB</fee:currency>
S: <fee:period unit="y">1</fee:period>
S: <fee:fee description="Domain renew" refundable="1" grace-period="P5D" applied="immediate">100</fee:fee>
S: </fee:cd>
S: </fee:chkData>
S: </extension>
S: <trID>
S: <clTRID>test-registrar1-0000020:line174-1479980789390</clTRID>
S: <svTRID>20161124124628593188008700734fe8e5fdd7f8b66114f017183c0b9472</svTRID>
S: </trID>
S: </response>
S: </epp>

41. FEE extension usage *fee:create*

C: <?xml version="1.0" encoding="UTF-8"?>
C: <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
C: <command>
C: <create>
C: <domain:create xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
C: <domain:name>premium-landrush-31-5-1.test-moscow</domain:name>
C: <domain:registrant>ote-c11-5-1</domain:registrant>
C: <domain:contact type="admin">ote-c11-5-1</domain:contact>
C: <domain:contact type="billing">ote-c11-5-1</domain:contact>
C: <domain:contact type="tech">ote-c11-5-1</domain:contact>
C: <domain:authInfo>
C: <domain:pw>my secret</domain:pw>
C: </domain:authInfo>
C: </domain:create>
C: </create>
C: <extension>
C: <fee:create xmlns:fee="urn:ietf:params:xml:ns:fee-0.11">
C: <fee:currency>RUB</fee:currency>
<fee:fee>1000.00</fee:fee>
<fee:fee>37.00</fee:fee>
</fee:create>
<launch:create xmlns:launch="urn:ietf:params:xml:ns:launch-1.0">
<launch:phase name="phase2">landrush</launch:phase>
</launch:create>
<extension>
<fee:creData xmlns:fee="urn:ietf:params:xml:ns:fee-0.11">
<fee:currency>RUB</fee:currency>
<fee:fee description="Domain create class: test_tier1" refundable="0" applied="immediate">1000</fee:fee>
<fee:fee description="Launch phase 2 test-moscow" refundable="0" applied="immediate">37</fee:fee>
<fee:balance>-895114.00000</fee:balance>
</fee:creData>
</extension>
<trID>
<clTRID>test-registrar1-0000027:line263-1479980791094</clTRID>
</trID>
</response>
</epp>