

REQUEST, RESPONSE

```
contact:create REQUEST
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>
      <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>34GB993283-ABCDE</contact:id>
        <contact:postalInfo type="int">
          <contact:name>Blair Waldorf</contact:name>
          <contact:org>Waldorf Associates</contact:org>
          <contact:addr>
            <contact:street>301 Park Avenue</contact:street>
            <contact:city>New York</contact:city>
            <contact:pc>10022</contact:pc>
            <contact:cc>US</contact:cc>
          </contact:addr>
        </contact:postalInfo>
        <contact:voice>+1.2121234567</contact:voice>
        <contact:fax>+1.2126789345</contact:fax>
        <contact:email>blair@waldorfassociates.com</contact:email>
        <contact:authInfo>
          <contact:pw>k?kHCpCGWY</contact:pw>
        </contact:authInfo>
        </contact:create>
      </create>
      <clTRID>CCA-4ac7c910v000</clTRID>
    </command>
  </epp>
contact:create RESPONSE
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resdata>
      <contact:credata 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>34GB993283-ABCDE</contact:id>
        <contact:crdate>2011-10-03T21:58:41.0873Z</contact:crdate>
      </contact:credata>
    </resdata>
    <trid>
      <cltrid>CCA-4ac7c910v000</cltrid>
      <svtrid>1254607121868</svtrid>
    </trid>
  </response>
</epp>
host:check REQUEST
```

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>
    <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>dns1.epag.net</host:name>
      </host:check>
    </check>
    <clTRID>CCA-4ac7c912v000</clTRID>
  </command>
</epp>
host:check RESPONSE
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resdata>
      <host:chkdata 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:cd>
          <host:name avail="0">dns1.epag.net</host:name>
          <host:reason>The host already exists</host:reason>
        </host:cd>
      </host:chkdata>
    </resdata>
    <trid>
      <cltrid>CCA-4ac7c913v000</cltrid>
      <svtrid>1254607124478</svtrid>
    </trid>
  </response>
</epp>
domain:create REQUEST
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>
      <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">
        <domain:name>blairsdomain.cx</domain:name>
        <domain:period unit='y'>1</domain:period>
        <domain:registrant>34GB993283-ABCDE</domain:registrant>
        <domain:contact type='admin'>34GB993283-ABCDE</domain:contact>
        <domain:contact type='billing'>297EB993282-ABCDE</domain:contact>
        <domain:contact type='tech'>34GB993283-ABCDE</domain:contact>
      </domain:create>
    </create>
  </command>
  <domain:hostObj>dns1.epag.net</domain:hostObj>

```

```
<domain:hostObj>dns2.epag.net</domain:hostObj>
</domain:ns>
<domain:authInfo>
<domain:pw>Ph2S8cX34h</domain:pw>
</domain:authInfo>
</domain:create>
</create>
<clTRID>CCA-4ac7c918v000</clTRID>
</command>
</epp>
domain:create RESPONSE
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resdata>
      <domain:credata 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>blairsdomain.TLD</domain:name>
        <domain:crdate>2009-10-03T21:58:48.0671Z</domain:crdate>
        <domain:exdate>2010-10-03T21:58:48.0664Z</domain:exdate>
      </domain:credata>
    </resdata>
    <trid>
      <cltrid>CCA-4ac7c918v000</cltrid>
      <svtrid>1254607128580</svtrid>
    </trid>
  </response>
</epp>
```

Live EPP Schema and Requests

HELLO

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <hello/>
</epp>
```

POLL

```
<?xml version='1.0' encoding='UTF-8' standalone='no'?><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>
<poll op='req'/>
<clTRID>123456</clTRID>
</command>
</epp>
```

Domain CHECK

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>
  <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>sample.nyc</domain:name>
  </domain:check>
  </check>
  <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

Host CHECK

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>
  <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>188-165-50-182.kimsufi.com</host:name>
  </host:check>
  </check>
  <clTRID>1258677613.26802.0001</clTRID>
  </command>
</epp>
```

CREATE host

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>188-165-50-182.kimsufi.com</host:name>
      </host:create>
    </create>
    <clTRID>1258677613.26802.0002</clTRID>
  </command>
</epp>
```

Domain INFO

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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>
    <info>
      <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">
        <domain:name hosts="del">barackobama.nyc</domain:name>
      </domain:info>
    </info>
    <clTRID>1258678814.10109.0009</clTRID>
  </command>
</epp>
```

Contact INFO

```
<?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><info><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"><contact:id>43226795V</contact:id></contact:info>
</info>
</command>
</epp>
```

UPDATE contact

```
<?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><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"><contact:id>21411387V</contact:id><contact:chg><contact:postalInfo
type="loc"><contact:name>Dailey
Comm</contact:name><contact:addr><contact:street>PO Box
459</contact:street><contact:street/><contact:city>NYC</contact:city><contact
```

```
:sp>PA</contact:sp><contact:pc>18222</contact:pc><contact:cc>US</contact:cc><
/contact:addr></contact:postalInfo></contact:chg></contact:update>
</update><clTRID>348369569-1-178096781</clTRID>
</command>
</epp>
```

Host INFO

```
<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><info><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"><host:name>ns1.tomo.nyc</host:name></host:info>
</info>
<clTRID>NYC:instra:1258679545310</clTRID>
</command>
</epp>
```

RENEW domain

```
<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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-
1.0.xsd"><domain:name>bank.nyc</domain:name><domain:curExpDate>2010-01-
04</domain:curExpDate><domain:period
unit="y">1</domain:period></domain:renew>
</renew><clTRID>IPM-1258678230592</clTRID>
</command>
</epp>
```

TRANSFER

```
<!--
*****
***** -->
<!-- transfer request minus authInfo -->
<!--
*****
***** -->
<?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="request">
      <domain:transfer 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>sex.fm</domain:name>
        <domain:authInfo>
          <domain:pw/>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>2B084B22-C567-4FA3-817E-B5568868A359</clTRID>
  </command>
</epp>
```

```
<!--
*****
***** -->
<!-- transfer response due to missing authInfo -->
<!--
*****
***** -->
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <response>
    <result code="2202">
      <msg>Invalid authorization information; Registrar does not allow
transfers without authorisation</msg>
    </result>
    <trID>
      <clTRID>2B084B22-C567-4FA3-817E-B5568868A359</clTRID>
      <svTRID>1327417059184</svTRID>
    </trID>
  </response>
</epp>

<!--
*****
***** -->
<!-- domain transfer query (basically a status check) -->
<!--
*****
***** -->
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <command>
    <transfer op="query">
      <domain:transfer 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>GODADDYLIVE.FM</domain:name>
        <domain:authInfo>
          <domain:pw>0940R0KF@KpQ07B</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>RW0004D234D2</clTRID>
  </command>
</epp>

<!--
*****
***** -->
<!-- domain transfer query response -->
<!--
*****
***** -->
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
```

```

<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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <domain:trnData 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>godaddylive.fm</domain:name>
        <domain:trStatus>serverApproved</domain:trStatus>
        <domain:reID>RightwayGate</domain:reID>
        <domain:reDate>2012-01-25T09:10:37.63Z</domain:reDate>
        <domain:acID>keysys</domain:acID>
        <domain:acDate>2012-01-25T09:10:37.63Z</domain:acDate>
        <domain:exDate>2013-04-07T14:00:00.0Z</domain:exDate>
      </domain:trnData>
    </resData>
    <trID>
      <clTRID>RW0004D234D2</clTRID>
      <svTRID>1327485240360</svTRID>
    </trID>
  </response>
</epp>

<!--
*****
***** -->
<!-- valid domain transfer request -->
<!--
*****
***** -->
<?xml version="1.0"?>
<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="request">
      <domain:transfer 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>frank.fm</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:authInfo>
          <domain:pw>53459</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>InterNetX_GmbH1327664655641</clTRID>
  </command>
</epp>

<!--
*****
***** -->
<!-- response to valid transfer request -->

```



```
<!--
*****
***** -->

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <msgQ count="150" id="1111"/>
    <resData>
      <domain:trnData 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>frank.fm</domain:name>
        <domain:trStatus>serverApproved</domain:trStatus>
        <domain:reID>InterNetX_GmbH</domain:reID>
        <domain:reDate>2012-01-27T12:00:40.311Z</domain:reDate>
        <domain:acID>keysys</domain:acID>
        <domain:acDate>2012-01-27T12:00:40.311Z</domain:acDate>
        <domain:exDate>2013-03-29T13:00:00.0Z</domain:exDate>
      </domain:trnData>
    </resData>
    <trID>
      <clTRID>InterNetX_GmbH1327664655641</clTRID>
      <svTRID>1327664655646</svTRID>
    </trID>
  </response>
</epp>
```

EPP Greeting Response Reports

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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">
  <greeting>
    ...
    <svcMenu>
      <version>1.0</version>
      <lang>en</lang>
      <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
      <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
      <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
      <svcExtension>
        <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
        <extURI>https://production.coccaregistry.net/cocca-ip-
verification-1.1</extURI>
        <extURI>https://production.coccaregistry.net/cocca-contact-
proxy-1.0</extURI>
        <extURI>https://production.coccaregistry.net/cocca-contact-
proxy-create-update-1.0</extURI>
      </svcExtension>
    </svcMenu>
    ...
  </greeting>
</epp>
```

Extension Element from an Example Response for the <info> Command

```
<extension>
  <rgp:infData 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:rgpStatus s="addPeriod"/>
  </rgp:infData>
</extension>
```

**Domain Update Command
(Report Not Included)**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
          domain-1.0.xsd">
        <domain:name>example.com</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>ABC-12345</clTRID>
  </command>
</epp>
```

**Domain Update Command
(Report Included)**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
        domain-1.0.xsd">
        <domain:name>example.com</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="report">
          <rgp:report>
            <rgp:preData>Pre-delete registration data goes here.
            Both XML and free text are allowed.</rgp:preData>
            <rgp:postData>Post-restore registration data goes here.
            Both XML and free text are allowed.</rgp:postData>
            <rgp:delTime>2003-07-10T22:00:00.0Z</rgp:delTime>
            <rgp:resTime>2003-07-20T22:00:00.0Z</rgp:resTime>
            <rgp:resReason>Registrant error.</rgp:resReason>
            <rgp:statement>This registrar has not restored the
            Registered Name in order to assume the rights to use
            or sell the Registered Name for itself or for any
            third party.</rgp:statement>
            <rgp:statement>The information in this report is
            true to best of this registrar's knowledge, and this
            registrar acknowledges that intentionally supplying
            false information in this report shall constitute an
            incurable material breach of the
            Registry-Registrar Agreement.</rgp:statement>
            <rgp:other>Supporting information goes
            here.</rgp:other>
          </rgp:report>
        </rgp:restore>
      </rgp:update>
    </extension>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

Domain Name Extension Schema for Registry Grace Period Processing

```
<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0"
xmlns="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:ietf:params:xml:ns:rgp-1.0"
elementFormDefault="qualified">
  <annotation>
    <documentation>
      Extensible Provisioning Protocol v1.0
      domain name extension schema for registry grace period
      processing.
    </documentation>
  </annotation>
  <!--
Child elements found in EPP commands.
-->
  <element name="update" type="rgp:updateType"/>
  <!--
Child elements of the <update> command for the
redemption grace period.
-->
  <complexType name="updateType">
    <sequence>
      <element name="restore" type="rgp:restoreType"/>
    </sequence>
  </complexType>
  <complexType name="restoreType">
    <sequence>
      <element name="report" type="rgp:reportType" minOccurs="0"/>
    </sequence>
    <attribute name="op" type="rgp:rgpOpType" use="required"/>
  </complexType>
  <!--
New redemption grace period operations can be defined
by adding to this enumeration.
-->
  <simpleType name="rgpOpType">
    <restriction base="token">
      <enumeration value="request"/>
      <enumeration value="report"/>
    </restriction>
  </simpleType>
  <complexType name="reportType">
    <sequence>
      <element name="preData" type="rgp:mixedType"/>
      <element name="postData" type="rgp:mixedType"/>
      <element name="delTime" type="dateTime"/>
      <element name="resTime" type="dateTime"/>
      <element name="resReason" type="rgp:reportTextType"/>
      <element name="statement" type="rgp:reportTextType"
maxOccurs="2"/>
      <element name="other" type="rgp:mixedType" minOccurs="0"/>
    </sequence>
  </complexType>
  <complexType name="mixedType">
    <complexContent mixed="true">
```

```

        <restriction base="anyType">
            <sequence>
                <any processContents="lax" minOccurs="0"
maxOccurs="unbounded"/>
            </sequence>
        </restriction>
    </complexContent>
</complexType>
<complexType name="reportTextType">
    <complexContent mixed="true">
        <restriction base="anyType">
            <sequence>
                <any processContents="lax" minOccurs="0"
maxOccurs="unbounded"/>
            </sequence>
            <attribute name="lang" type="language" default="en"/>
        </restriction>
    </complexContent>
</complexType>
<!--
Child response elements.
-->
    <element name="infData" type="rgp:respDataType"/>
    <element name="upData" type="rgp:respDataType"/>
<!--
Response elements.
-->
    <complexType name="respDataType">
        <sequence>
            <element name="rgpStatus" type="rgp:statusType"
maxOccurs="unbounded"/>
        </sequence>
    </complexType>
<!--
Status is a combination of attributes and an optional
human-readable message that may be expressed in languages
other than English.
-->
    <complexType name="statusType">
        <simpleContent>
            <extension base="normalizedString">
                <attribute name="s" type="rgp:statusValueType"
use="required"/>
            </extension>
        </simpleContent>
    </complexType>
<simpleType name="statusValueType">
    <restriction base="token">
        <enumeration value="addPeriod"/>
        <enumeration value="autoRenewPeriod"/>
        <enumeration value="renewPeriod"/>
        <enumeration value="transferPeriod"/>
        <enumeration value="pendingDelete"/>
        <enumeration value="pendingRestore"/>
        <enumeration value="redemptionPeriod"/>
    </restriction>

```

```
    </simpleType>
  <!--
  End of schema.
  -->
</schema>
```


Example of the <domain:create> Extension Element with TMCH Information

```
<extension>
  <coccaip:extension
    xmlns:coccaip="https://production.coccaregistry.net/cocca-ip-
verification-1.1"
    xsi:schemaLocation="https://production.coccaregistry.net/cocca-ip-
verification-1.1 cocca-ip-verification-1.1.xsd">
    <coccaip:tmch>
      <coccaip:code>anything-57689789798</coccaip:code>
    </coccaip:tmch>
  </coccaip:extension>
</extension>
```

Example of the <domain:create> Extension Element with Trademark Information

```
<extension>
  <coccaip:extension
    xmlns:coccaip="https://production.coccaregistry.net/cocca-ip-
verification-1.1"
    xsi:schemaLocation="https://production.coccaregistry.net/cocca-ip-
verification-1.1 cocca-ip-verification-1.1.xsd">
    <coccaip:trademarks>
      <coccaip:trademark>
        <coccaip:registeredMark>mark-123456</coccaip:registeredMark>
        <coccaip:registrationNumber>number-
12345798978</coccaip:registrationNumber>

      <coccaip:registrationLocality>EN</coccaip:registrationLocality>
        <coccaip:capacity>OWNER</coccaip:capacity>
        <coccaip:companyNumber>company-
num.56789789</coccaip:companyNumber>
      </coccaip:trademark>
    </coccaip:trademarks>
  </coccaip:extension>
</extension>
```

Formal Syntax for the <domain:create> Extension with TMCH Information

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

<xs:schema targetNamespace="https://production.coccaregistry.net/cocca-ip-
verification-1.1"
  xmlns="https://production.coccaregistry.net/cocca-ip-verification-
1.1"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">

  <xs:annotation>
    <xs:documentation>
      Extensible Provisioning Protocol v1.0
      Extension for providing IP Verification to CoCCA Registries

      v1.1 adds extra fields for trademark verification
    </xs:documentation>
  </xs:annotation>

  <xs:element name="extension">
    <xs:complexType>
      <xs:choice>
        <xs:element name="tmch" type="tmchType"/>
        <xs:element name="trademarks" type="trademarkType"/>
      </xs:choice>
    </xs:complexType>
  </xs:element>

  <xs:complexType name="tmchType">
    <xs:sequence>
      <xs:element name="code">
        <xs:simpleType >
          <xs:restriction base="xs:token">
            <xs:maxLength value="255"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="trademarkType">
    <xs:sequence>
      <xs:element name="trademark" minOccurs="1" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="registeredMark">
              <xs:simpleType>
                <xs:restriction base="xs:token">
                  <xs:maxLength value="255"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="registrationNumber">
              <xs:simpleType>
```

```
        <xs:restriction base="xs:token">
            <xs:maxLength value="255"/>
            <xs:minLength value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="registrationLocality">
    <xs:simpleType>
        <xs:restriction base="xs:token">
            <xs:pattern value="[A-Z]{2}"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="capacity">
    <xs:simpleType>
        <xs:restriction base="xs:token">
            <xs:enumeration value="OWNER"/>
            <xs:enumeration value="ASSIGNEE"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="companyNumber" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:token">
            <xs:maxLength value="255"/>
            <xs:minLength value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:schema>
```

Example of the Extension Element Creating a New Contact Proxy

```
<extension>
  <proxy:extension
    xmlns:proxy="https://production.coccaregistry.net/cocca-contact-
proxy-create-update-1.0"
    xsi:schemaLocation="https://production.coccaregistry.net/cocca-
contact-proxy-1.0 cocca-contact-proxy-1.0.xsd">
    <proxy:newProxy>
      <proxy:proxyDetails>
        <!-- optional reference -->
        <proxy:reference>123abc456def</proxy:reference>
        <proxy:email>chuck@example.fm</proxy:email>
        <proxy:voice>
          <proxy:number>+17855326620</proxy:number>
          <!-- optional extension -->
          <proxy:extension>456</proxy:extension>
        </proxy:voice>
        <proxy:fax>
          <proxy:number>+17855326621</proxy:number>
        </proxy:fax>
        <proxy:internationalAddress>
          <proxy:street1>2704 Blakewood Pl</proxy:street1>
          <!-- optional street2 -->
          <proxy:street2>3rd building</proxy:street2>
          <!-- optional street3 -->
          <proxy:street3>right door</proxy:street3>
          <proxy:city>Manhattan</proxy:city>
          <proxy:stateProvince>KS</proxy:stateProvince>
          <proxy:postcode>66502</proxy:postcode>
          <proxy:countryCode>US</proxy:countryCode>
        </proxy:internationalAddress>
        <!-- optional localAddress -->
        <proxy:localAddress>
          <proxy:street1>2704 Blakewood Pl</proxy:street1>
          <!-- optional street2 -->
          <proxy:street2>3rd building</proxy:street2>
          <!-- optional street3 -->
          <proxy:street3>right door</proxy:street3>
          <proxy:city>Manhattan</proxy:city>
          <proxy:stateProvince>KS</proxy:stateProvince>
          <proxy:postcode>66502</proxy:postcode>
          <proxy:countryCode>US</proxy:countryCode>
        </proxy:localAddress>
      </proxy:proxyDetails>
    </proxy:newProxy>
  </proxy:extension>
</extension>
```

Example of the Extension Element Assigning an Existing Contact Proxy to a Contact

```
<extension>
  <proxy:extension
    xmlns:proxy="https://production.coccaregistry.net/cocca-contact-
proxy-create-update-1.0"
    xsi:schemaLocation="https://production.coccaregistry.net/cocca-
contact-proxy-1.0 cocca-contact-proxy-1.0.xsd">
    <proxy:existingProxy>
      <proxy:reference>abc789def123</proxy:reference>
    </proxy:existingProxy>
  </proxy:extension>
</extension>
```

**Example of the Extension Section in a Response to a <contact:create> Command
that Assigned a Proxy to a Contact**

```
<extension>
  <proxy:resData
    xmlns:proxy="https://production.coccaregistry.net/cocca-contact-
proxy-create-update-1.0"
    xsi:schemaLocation="https://production.coccaregistry.net/cocca-
contact-proxy-1.0 cocca-contact-proxy-1.0.xsd">
    <proxy:reference>123abc456def</proxy:reference>
  </proxy:resData>
</extension>
```

Formal Syntax for the Contact Proxy Extension

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

<xs:schema targetNamespace="https://production.coccaregistry.net/cocca-
contact-proxy-1.0"
  xmlns="https://production.coccaregistry.net/cocca-contact-proxy-
1.0"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">

  <xs:simpleType name="referenceType">
    <xs:restriction base="xs:token">
      <xs:maxLength value="40"/>
      <xs:minLength value="0"/>
    </xs:restriction>
  </xs:simpleType>

  <xs:complexType name="phoneNumberType">
    <xs:sequence>
      <xs:element name="number">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:maxLength value="64"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="extension" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:maxLength value="64"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="addressType">
    <xs:sequence>
      <xs:element name="street1">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:maxLength value="255"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="street2" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:maxLength value="255"/>
            <xs:minLength value="0"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="street3" minOccurs="0">
```



```

    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:maxLength value="255"/>
        <xs:minLength value="0"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="city">
    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:maxLength value="255"/>
        <xs:minLength value="1"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="stateProvince" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:maxLength value="255"/>
        <xs:minLength value="0"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="postcode" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:maxLength value="255"/>
        <xs:minLength value="0"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="countryCode">
    <xs:simpleType>
      <xs:restriction base="xs:token">
        <xs:pattern value="[A-Z]{2}"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:schema>

```

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

```

<xs:schema targetNamespace="https://production.coccaregistry.net/cocca-
contact-proxy-create-update-1.0"
  xmlns="https://production.coccaregistry.net/cocca-contact-proxy-
create-update-1.0"
  xmlns:proxy="https://production.coccaregistry.net/cocca-contact-
proxy-1.0"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="https://production.coccaregistry.net/cocca-
contact-proxy-1.0 cocca-contact-proxy-1.0.xsd"
  elementFormDefault="qualified">

```

```
<xs:import namespace="https://production.coccaregistry.net/cocca-contact-proxy-1.0" schemaLocation="cocca-contact-proxy-1.0.xsd"/>
```

```
<xs:annotation>  
  <xs:documentation>  
    Extensible Provisioning Protocol v1.0
```

```
    Extension for creating or updating a contact, with proxy information.  
This proxy information  
  is provided as a Whois response, instead of the contact's real  
information if zone settings  
  allow. Proxy information may be specified in full, by providing all the  
details or by using a  
  reference to a previous contact proxy info. If you want to clear a  
contact's proxy info, send  
  an existingProxy type request with an empty reference string.  
  </xs:documentation>  
</xs:annotation>
```

```
<xs:element name="extension">  
  <xs:complexType>  
    <xs:choice>  
      <xs:element name="newProxy" type="proxyType"/>  
      <xs:element name="existingProxy">  
        <xs:complexType>  
          <xs:sequence>  
            <xs:element name="reference" type="proxy:referenceType"/>  
          </xs:sequence>  
        </xs:complexType>  
      </xs:element>  
    </xs:choice>  
  </xs:complexType>  
</xs:element>
```

```
<xs:complexType name="proxyType">  
  <xs:sequence>  
    <xs:element name="proxyDetails">  
      <xs:complexType>  
        <xs:sequence>  
          <xs:element name="reference" minOccurs="0"  
type="proxy:referenceType">  
            <xs:annotation>  
              <xs:documentation>  
                This is an optional field you can use to give this proxy  
info a particular reference.  
                Each reference must be unique, so if you have an existing  
contact proxy info record  
                with this reference value, you will UPDATE that record,  
changing the proxy info for  
                any existing contact referencing that proxy.  
  
                If you don't specify a reference, one will be created for  
you and returned in the EPP  
                response.  
              </xs:documentation>  
            </xs:annotation>  
          </xs:element>
```

```

    <xs:element name="email">
      <xs:simpleType>
        <xs:restriction base="xs:token">
          <xs:maxLength value="255"/>
          <xs:minLength value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="voice" type="proxy:phoneNumberType"/>
    <xs:element name="fax" minOccurs="0"
type="proxy:phoneNumberType"/>
    <xs:element name="internationalAddress"
type="proxy:addressType"/>
    <xs:element name="localAddress" type="proxy:addressType"
minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>

<xs:element name="resData">
  <xs:annotation>
    <xs:documentation>
      If a contact is created or updated with contact proxy information
specified, or if the registrar
      creating the contact has a default proxy specified, then the
reference value identifying the proxy
      is returned in the response, in the extension/resData field described
here. If the contact was updated to
      clear the reference field (i.e. setting the contact's proxy using the
existingProxy type, but leaving
      the reference field empty) then the reference value will be empty,
confirming the update.
    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="reference" type="proxy:referenceType"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```