

# HKIRC.EPP XML Guide

Version 1.0.8 – 14-Mar-2013

This document is a concise guide to the request and response XML used in HKIRC Extensible Provisioning Protocol (EPP) client and server.

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1. **BUILD STATUS:**

Version	Date	Author	Reason	Sections
1.0	25-06-2010	Brent Lee	Initial version	All/Section Subtitle
1.0.3	29-07-2011	Danny Chan	Remove Auth Info field from Contact Object	2.4.1 2.4.2 2.4.4
1.0.4	17-08-2011	Boon	Update Query Tracking function	2.5
1.0.5	13-Oct-2011	Eric Sun	Correct the Domain Transfer Query	2.2.3
1.0.6	03-Feb-2012	Dan Chan	Added tracking create RAC function	2.5.2
1.0.7	14-Mar-12	Dan Chan	Amended TNR XML under Domain Object, added new MDN XML under Domain Object, added new update tracking document status under Tracking Object	
1.0.8	14-Mar-13	Khoi Peng	Added Add, Modify, and Remove Domain's Reseller Information.	2.2.10 2.2.12 2.2.13 2.2.14 2.2.15

2. **DISTRIBUTION:**

Copy No	Version	Issue Date	Issued To

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## 1 Introduction

### 1.1 Purpose

This document describes the XML that is required to communicate with HKIRC EPP server. The corresponding detail XML response is documented for ease of registrar to counter check on the received data. The XML is using latest EPP1.0 standards with some extension which is done in accordance to recent RFC 5730.

## 2 EPP Interfaces

Current launch of EPP 1.0 requires registrar to:

1. Use new SDK provided by HKIRC for all functions.
2. Use extension to cater for special fields in contacts and domain objects

### 2.1 Session Object

#### 2.1.1 Hello and Greeting

EPP 1.0 Request
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt;   &lt;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"&gt;   &lt;hello/&gt; &lt;/epp&gt;</pre>

EPP 1.0 Response
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt;   &lt;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"&gt;   &lt;greeting&gt;     &lt;svID&gt;HKIRC EPP server&lt;/svID&gt;     &lt;svDate&gt;2000-06-08T22:00:00.0Z&lt;/svDate&gt;     &lt;svcMenu&gt;       &lt;version&gt;1.0&lt;/version&gt;       &lt;lang&gt;en-US&lt;/lang&gt;       &lt;objURI&gt;urn:ietf:params:xml:ns:domain-1.0&lt;/objURI&gt;       &lt;objURI&gt;urn:ietf:params:xml:ns:contact-1.0&lt;/objURI&gt;       &lt;objURI&gt;urn:ietf:params:xml:ns:host-1.0&lt;/objURI&gt;       &lt;svcExtension&gt;         &lt;extURI&gt;urn:ietf:params:xml:ns:ext-1.0&lt;/extURI&gt;       &lt;/svcExtension&gt;   &lt;/greeting&gt;</pre>

```

</svcMenu>
<dcp>
  <access><all/></access>
  <statement>
    <purpose><admin/><prov/></purpose>
    <recipient><ours/><public/></recipient>
    <retention><stated/></retention>
  </statement>
</dcp>
</greeting>
</epp>

```

## 2.1.2 Login and Change EPP Password

### EPP 1.0 Request

```

<?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>
    <login>
      <clID>ClientX</clID>
      <pw>foo-BAR2</pw>
      <newPW>bar-FOO2</newPW>
      <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:contact-1.0</objURI>
        <objURI>urn:ietf:params:xml:ns:host-1.0</objURI>
        <svcExtension>
          <extURI>urn:ietf:params:xml:ns:ext-1.0</extURI>
        </svcExtension>
      </svcs>
    </login>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>

```

```
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>54321-XYZ</svTRID>
</trID>
</response>
</epp>
```

### 2.1.3 Poll Request

#### EPP 1.0 Request

```
<?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>
    <poll op="req"/>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

#### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1301">
      <msg>Command completed successfully; ack to dequeue</msg>
    </result>
    <msgQ count="5" id="12345">
      <qDate>2000-06-08T22:00:00.0Z</qDate>
      <msg>Transfer requested.</msg>
    </msgQ>
    <resData>
      <obj:trnData xmlns:obj="urn:ietf:params:xml:ns:obj-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:obj-1.0 obj-1.0.xsd">
        <obj:name>example.com.hk</obj:name>
        <obj:trStatus>pending</obj:trStatus>
        <obj:reID>ClientX</obj:reID>
        <obj:reDate>2000-06-08T22:00:00.0Z</obj:reDate>
        <obj:acID>ClientY</obj:acID>
        <obj:acDate>2000-06-13T22:00:00.0Z</obj:acDate>
        <obj:exDate>2002-09-08T22:00:00.0Z</obj:exDate>
      </obj:trnData>
    </resData>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
      </ext:extension>
    </extension>
  </response>
</epp>
```

```
</extension>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>54321-XYZ</svTRID>
</trID>
</response>
</epp>
```

#### Empty Queue:

```
<?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">
  <response>
    <result code="1300">
      <msg>Command completed successfully; no messages</msg>
    </result>
    <trID>
      <clTRID>ABC-12346</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>
```

## 2.1.4 Poll Acknowledge

### EPP 1.0 Request

```
<?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>
    <poll op="ack" msgID="12345"/>
    <clTRID>ABC-12346</clTRID>
  </command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <msgQ count="4" id="12346"/>
    <trID>
      <clTRID>ABC-12346</clTRID>
    </trID>
  </response>
</epp>
```

```
<svTRID>54322-XYZ</svTRID>
</trID>
</response>
</epp>
```

## 2.1.5 Logout

### EPP 1.0 Request

```
<?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>
    <logout/>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1500">
      <msg>Command completed successfully; ending session</msg>
    </result>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>
```

## 2.2 Domain Object

### 2.2.1 Domain Check

#### EPP 1.0 Request

```
<?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>
    <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.com.hk</domain:name>
  <domain:name>notavailable.com.hk</domain:name>
</domain:check>
</check>
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <domain:chkData 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:cd>
          <domain:name avail="1">example.com.hk</domain:name>
        </domain:cd>
        <domain:cd>
          <domain:name avail="0">notavailable.com.hk</domain:name>
          <domain:reason>In use</domain:reason>
        </domain:cd>
        </domain:chkData>
      </resData>
      <trID>
        <clTRID>ABC-12345</clTRID>
        <svTRID>54322-XYZ</svTRID>
      </trID>
    </response>
  </epp>
```

### 2.2.2 Domain Info

#### EPP 1.0 Request

```
<?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>
      <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>example.com.hk</domain:name>
      </domain:info>
    </info>
```

```
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <domain:infData
        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.hk</domain:name>
        <domain:roid>EXAMPLE1-EP</domain:roid>
        <domain:status s="ok"/>
        <domain:registrar>HK80130T</domain:registrar>
        <domain:contact type="admin">HK80131T</domain:contact>
        <domain:contact type="tech">HK80132T</domain:contact>
        <domain:contact type="billing">HK80133T</domain:contact>
        <domain:ns>
        <domain:hostObj>ns1.example.com.hk</domain:hostObj>
        <domain:hostObj>ns1.example.net</domain:hostObj>
        </domain:ns>
        <domain:host>ns1.example.com.hk</domain:host>
        <domain:host>ns2.example.com.hk</domain:host>
        <domain:clID>ClientX</domain:clID>
        <domain:crID>ClientY</domain:crID>
        <domain:crDate>1999-04-03T22:00:00.0Z</domain:crDate>
        <domain:upID>ClientX</domain:upID>
        <domain:upDate>1999-12-03T09:00:00.0Z</domain:upDate>
        <domain:exDate>2005-04-03T22:00:00.0Z</domain:exDate>
        <domain:trDate>2000-04-08T09:00:00.0Z</domain:trDate>
        <domain:authInfo>
          <domain:pw>[Undisclosed Information]</domain:pw>
        </domain:authInfo>
        </domain:infData>
      </resData>
      <extension>
        <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
          xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
          <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
        </ext:extension>
      </extension>
      <trID>
        <clTRID>ABC-12345</clTRID>
        <svTRID>54322-XYZ</svTRID>
      </trID>
    </response>
  </epp>
```

### 2.2.3 Domain Transfer Query

#### EPP 1.0 Request

```
<?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="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>example.com.hk</domain:name>
        <domain:authInfo>
          <domain:pw>ibvWUOsa <domain:pw/>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g <BundleDomainName/>
      </ext:extension>
    </extension>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

#### EPP 1.0 Response

```
<?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">
  <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:paramxml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.com.hk</domain:name>
        <domain:trStatus>pending</domain:trStatus>
        <domain:reID>ClientX</domain:reID>
        <domain:reDate>2000-06-06T22:00:00.0Z</domain:reDate>
        <domain:acID>ClientY</domain:acID>
        <domain:acDate>2000-06-11T22:00:00.0Z</domain:acDate>
      </domain:trnData>
    </resData>
  </response>
</epp>
```

```

    <domain:exDate>2002-09-08T22:00:00.0Z</domain:exDate>
  </domain:trnData>
</resData>
<extension>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
    <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
  </ext:extension>
</extension>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>54322-XYZ</svTRID>
</trID>
</response>
</epp>

```

## 2.2.4 Domain Transfer Request

### EPP 1.0 Request

```

<?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>example.com.hk</domain:name>
        <domain:authInfo>
          <domain:pw>2fooBAR</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
  <extension>
    <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
      <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
    </ext:extension>
  </extension>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">

```

```

<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>example.com.hk</domain:name>
      <domain:trStatus>pending</domain:trStatus>
      <domain:reID>ClientX</domain:reID>
      <domain:reDate>2000-06-08T22:00:00.0Z</domain:reDate>
      <domain:acID>ClientY</domain:acID>
      <domain:acDate>2000-06-13T22:00:00.0Z</domain:acDate>
      <domain:exDate>2002-09-08T22:00:00.0Z</domain:exDate>
    </domain:trnData>
  </resData>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>54322-XYZ</svTRID>
  </trID>
</command>
</epp>

```

## 2.2.5 Domain Create

### EPP 1.0 Request

```

<?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>
      <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>example.com.hk</domain:name>
        <domain:period unit="y">2</domain:period>
        <domain:ns>
          <domain:hostObj>ns1.example.net</domain:hostObj>
          <domain:hostObj>ns2.example.net</domain:hostObj>
        </domain:ns>
        <domain:registrant>HK80130T</domain:registrant>
        <domain:contact type="admin">HK80131T</domain:contact>
        <domain:contact type="tech">HK80132T</domain:contact>
        <domain:contact type="billing">HK80133T</domain:contact>
        <domain:authInfo>
          <domain:pw/>
        </domain:authInfo>
      </domain:create>
    </create>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"

```

```

xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
  <ctype>O</ctype >
  </ext:extension>
</extension>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1001">
      <msg>Command completed successfully; action pending</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>example.com.hk</domain:name>
        <domain:crDate>1999-04-03T22:00:00.0Z</domain:crDate>
        <domain:exDate>2001-04-03T22:00:00.0Z</domain:exDate>
      </domain:creData>
    </resData>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <trackingnumber>NDN393455</ trackingnumber >
      </ext:extension>
    </extension>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

### 2.2.6 Domain Delete

#### EPP 1.0 Request

```

<?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>

```

```

<delete>
  <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">
  <domain:name>example.com.hk</domain:name>
  </domain:delete>
</delete>
  <c|TRID>ABC-12345</c|TRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1001">
      <msg>Command completed successfully; action pending</msg>
    </result>
    <trID>
      <c|TRID>ABC-12345</c|TRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

## 2.2.7 Domain Renew

### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.com.hk</domain:name>
        <domain:curExpDate>2000-04-03</domain:curExpDate>
        <domain:period unit="y">5</domain:period>
      </domain:renew>
    </renew>
  </command>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"

```

```

xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
  <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
  </ext:extension>
</extension>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <domain:renData
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.hk</domain:name>
        <domain:exDate>2005-04-03T22:00:00.0Z</domain:exDate>
      </domain:renData>
    </resData>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54322-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

## 2.2.8 Domain Update

### EPP 1.0 Request

```

<?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"

```



```

xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
  <domain:name>example.com.hk</domain:name>
  <domain:add>
    <domain:ns>
<domain:hostObj>ns2.example.com.hk</domain:hostObj>
    </domain:ns>
    <domain:status s="clientHold"/>
  </domain:add>
  <domain:rem>
    <domain:ns>
<domain:hostObj>ns1.example.com.hk</domain:hostObj>
    </domain:ns>
    <domain:status s="clientUpdateProhibited"/>
  </domain:rem>
  <domain:chg/>
  <domain:add>
    <domain:status s="clientHold"/>
  </domain:add>
</domain:update>
<extension>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
    <BundleDomainName/>
  </ext:extension>
</extension>
</update>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

## 2.2.9 Transfer of Domain Holding Right (TNR)

### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>TESTINGTNR.COM.HK</domain:name>
        <domain:chg>
          <domain:registrant>HK1234567T</domain:registrant>
        </domain:chg>
      </domain:update>
    </update>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <BundleDomainName/>
      </ext:extension>
    </extension>
    <clTRID>13791BQBWV</clTRID>
  </command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1001">
      <msg>Command completed successfully; action pending</msg>
    </result>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <trackingnumber>TNR19160</trackingnumber>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>13791BQBWV</clTRID>
      <svTRID>92603QQVPC</svTRID>
    </trID>
  </response>
</epp>

```

## 2.2.10 Modify Domain Name Contact (MDN)

### EPP 1.0 Request

```

<?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"

```

```

xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
  <domain:name>TESTINGMDN.COM.HK</domain:name>
  <domain:add>
    <domain:contact type="tech">HK2603160T</domain:contact>
    <domain:contact type="billing">HK2603161T</domain:contact>
  </domain:add>
  <domain:rem>
    <domain:contact type="tech">HK2603142T</domain:contact>
    <domain:contact type="billing">HK2603146T</domain:contact>
  </domain:rem>
</domain:update>
</update>
<extension>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
  <BundleDomainName/>
  <ResellerInformation>Test Reseller</ResellerInformation>
</ext:extension>
</extension>
<clTRID>42943JWMZT</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <Technical>HK2603160T</Technical>
        <Billing>HK2603161T</Billing>
        <trackingnumber>MDN348609</trackingnumber>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>42943JWMZT</clTRID>
      <svTRID>54628TQRME</svTRID>
    </trID>
  </response>
</epp>

```

### 2.2.11 Bundle Domain

#### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.com.hk</domain:name>
      </domain:update>
    </update>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <NewBundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--
j6w193g</NewBundleDomainName>
      </ext:extension>
    </extension>
    <cI/TRID>ABC-12345</cI/TRID>
  </command>
</epp>

```

### EPP 1.0 Response

```

<?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">
    <response>
      <result code="1001">
        <msg>Command completed successfully; action pending</msg>
      </result>
      <extension>
        <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
          <Registrant/>
          <Administrative>HK2476339T</Administrative>
          <Technical/>
          <Billing/>
          <trackingnumber>RBD393455, RBD393456</ trackingnumber >
        </ext:extension>
      </extension>
      <trID>
        <cI/TRID>ABC-12345</cI/TRID>
        <svTRID>54321-XYZ</svTRID>
      </trID>
    </response>
  </epp>

```

### 2.2.12 Add / Modify Domain's Reseller Information

#### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>TESTINGMDN.COM.HK</domain:name>
      </domain:update>
    </update>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <BundleDomainName/>
        <ResellerInformation>Test Reseller</ResellerInformation>
      </ext:extension>
    </extension>
    <clTRID>42943JWMZT</clTRID>
  </command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <trackingnumber>MDN348610</trackingnumber>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>42943JWMZT</clTRID>
      <svTRID>54628TQRME</svTRID>
    </trID>
  </response>
</epp>

```

## 2.2.13 Remove Domain's Reseller Information

### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>TESTINGMDN1.COM.HK</domain:name>
      </domain:update>
    </update>
  </command>
</epp>

```

```

</update>
<extension>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
    <BundleDomainName/>
    <ResellerInformation/>
  </ext:extension>
</extension>
<clTRID>42943JWMZT</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <trackingnumber>MDN348611</trackingnumber>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>42943JWMZT</clTRID>
      <svTRID>54628TQRME</svTRID>
    </trID>
  </response>
</epp>

```

## 2.2.14 Add / Modify Bundled Domain's Reseller Information

### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.com.hk</domain:name>
      </domain:update>
    </update>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">

```

```

    <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
    <ResellerInformation>Test Bundled Reseller</ResellerInformation>
  </ext:extension>
</extension>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <trackingnumber>MDN348612</trackingnumber>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>42943JWMZT</clTRID>
      <svTRID>54628TQRME</svTRID>
    </trID>
  </response>
</epp>

```

### 2.2.15 Remove Bundled Domain's Reseller Information

#### EPP 1.0 Request

```

<?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"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.com.hk</domain:name>
      </domain:update>
    </update>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <BundleDomainName>xn--pssw10apj2b.xn--55qx5d.xn--j6w193g</BundleDomainName>
        <ResellerInformation/>
      </ext:extension>
    </extension>

```

```
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <trackingnumber>MDN348613</trackingnumber>
      </ext:extension>
    </extension>
    <trID>
      <clTRID>42943JWMZT</clTRID>
      <svTRID>54628TQRME</svTRID>
    </trID>
  </response>
</epp>
```

## 2.3 Host Object

### 2.3.1 Host Check

#### EPP 1.0 Request

```
<?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>
    <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.com.hk</host:name>
        <host:name>ns.example.com.hk</host:name>
      </host:check>
    </check>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

#### EPP 1.0 Response

```
<?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">
  <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="1">ns1.example.com.hk</host:name>
        </host:cd>
        <host:cd>
          <host:name avail="0">ns.example.com.hk</host:name>
          <host:reason>In use</host:reason>
        </host:cd>
      </host:chkData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54322-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

### 2.3.2 Host Info

#### EPP 1.0 Request

```

<?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>
      <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.example.com.hk</host:name>
      </host:info>
    </info>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>

```

#### EPP 1.0 Response

```

<?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">

```

```

<response>
<result code="1000">
  <msg>Command completed successfully</msg>
</result>
<resData>
  <host:infData
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.com.hk</host:name>
    <host:roid>NS1_EXAMPLE1-REP</host:roid>
    <host:status s="ok"/>
    <host:addr ip="v4">192.0.2.2</host:addr>
    <host:addr ip="v4">192.0.2.29</host:addr>
    <host:addr ip="v6">1080:0:0:8:800:200417A</host:addr>
    <host:clID>ClientY</host:clID>
    <host:crID>ClientX</host:crID>
    <host:crDate>1999-04-03T22:00:00.0Z</host:crDate>
    <host:upID>ClientX</host:upID>
    <host:upDate>1999-12-03T09:00:00.0Z</host:upDate>
    <host:trDate>2000-04-08T09:00:00.0Z</host:trDate>
  </host:infData>
</resData>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>54322-XYZ</svTRID>
</trID>
</response>
</epp>

```

### 2.3.3 Host Create

#### EPP 1.0 Request

```

<?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.example.com.hk</host:name>
        <host:addr ip="v4">192.0.2.2</host:addr>
        <host:addr ip="v4">192.0.2.29</host:addr>
        <host:addr ip="v6">1080:0:0:8:800:200417A</host:addr>
      </host:create>
    </create>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>

```

---

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <host:creData 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.com.hk</host:name>
        <host:crDate>1999-04-03T22:00:00.0Z</host:crDate>
      </host:creData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54322-XYZ</svTRID>
    </trID>
  </response>
</epp>
```

### 2.3.4 Host Delete

#### EPP 1.0 Request

```
<?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>
    <delete>
      <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">
        <host:name>ns1.example.com.hk</host:name>
      </host:delete>
    </delete>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

#### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
  </response>
</epp>
```

```
</c|TRID>ABC-12345</c|TRID>
</svTRID>54321-XYZ</svTRID>
</trID>
</response>
</epp>
```

## 2.3.5 Host Update

### EPP 1.0 Request

```
<?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>
      <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">
        <host:name>ns1.example.com.hk</host:name>
        <host:add>
          <host:addr ip="v4">192.0.2.22</host:addr>
        </host:add>
        <host:rem>
          <host:addr ip="v6">1080:0:0:8:800:200417A</host:addr>
        </host:rem>
      </host:update>
    </update>
    <c|TRID>ABC-12345</c|TRID>
  </command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <c|TRID>ABC-12345</c|TRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>
```

## 2.4 Contact Object

### 2.4.1 Contact Info

## EPP 1.0 Request

```
<?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>HK80130T</contact:id>
        </contact:info>
      </info>
      <clTRID>ABC-12345</clTRID>
    </command>
  </epp>
```

## EPP 1.0 Response

```
<?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">
    <response>
      <result code="1000">
        <msg>Command completed successfully</msg>
      </result>
      <resData>
        <contact:infData 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>HK80130T</contact:id>
          <contact:roid>HK80130T</contact:roid>
          <contact:status s="ok"/>
          <contact:postalInfo type="int">
            <contact:name>John</contact:name>
            <contact:org>Example Inc.</contact:org>
            <contact:addr>
              <contact:street>123 Example Dr.</contact:street>
              <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>+1.7035555556</contact:fax>
          <contact:email>jdoe@example.com.hk</contact:email>
          <contact:clID>ClientY</contact:clID>
          <contact:crID>ClientX</contact:crID>
          <contact:crDate>1999-04-03T22:00:00.0Z</contact:crDate>
          <contact:upID>ClientX</contact:upID>
          <contact:upDate>1999-12-03T09:00:00.0Z</contact:upDate>
          <contact:trDate>2000-04-08T09:00:00.0Z</contact:trDate>
        </contact:infData>
      </resData>
    </response>
  </epp>
```

```

<extension>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
    <ctype>I</ctype>
    <type>1</type>
    <surname>Doe</surname>
    <chineseOrg/>
    <docType>Document Name</docType>
    <docNum>34324324</docNum>
    <docOriginCC>MY</docOriginCC>
    <under18>N</under18>
    <industryType/>
    <mbNumber>+1.7035555555</mbNumber>
  </ext:extension>
</extension>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>54322-XYZ</svTRID>
</trID>
</response>
</epp>

```

## 2.4.2 Contact Create

### EPP 1.0 Request

```

<?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>
      <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:postalInfo type="int">
          <contact:name>John</contact:name>
          <contact:org>Example Inc.</contact:org>
          <contact:addr>
            <contact:street>123 Example Dr.</contact:street>
            <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>+1.7035555556</contact:fax>
        <contact:email>jdoe@example.com.hk</contact:email>
      </contact:create>
    </create>
    <extension>
      <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
        <ctype>I</ctype>
        <type>1</type>

```

```

    <surname>Doe</surname>
    <chineseOrg/>
    <docType>Document Name</docType>
    <docNum>34324324</docNum>
    <docOriginCC>MY</docOriginCC>
    <under18>0</under18>
    <industryType/>
    <mbNumber>+1.7035555555</mbNumber>
  </ext:extension>
</extension>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <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>HK80130T</contact:id>
        <contact:crDate>1999-04-03T22:00:00.0Z</contact:crDate>
      </contact:creData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

### 2.4.3 Contact Delete

#### EPP 1.0 Request

```

<?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>
    <delete>
      <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>HK80130T</contact:id>
</contact:delete>
</delete>
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>
```

## 2.4.4 Contact Update

### EPP 1.0 Request

```
<?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>HK80130T</contact:id>
        <contact:chg>
          <contact:postalInfo type="int">
            <contact:name>John</contact:name>
            <contact:org>john Doe</contact:org>
            <contact:addr>
              <contact:street>124 Example Dr.</contact:street>
              <contact:pc>20166-6503</contact:pc>
              <contact:cc>US</contact:cc>
            </contact:addr>
          </contact:postalInfo>
        <contact:voice>+1.7034444444</contact:voice>
        <contact:fax/>
      </contact:chg>
    </contact:update>
  </command>
</epp>
```



```

</update>
<extension>
  <ext:extension xmlns:ext="urn:ietf:params:xml:ns:ext-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:ext-1.0 ext-1.0.xsd">
    <ctype>I</ctype>
    <type>1</type>
    <chineseOrg/>
    <surname>Doe</surname>
    <docType>Document Name</docType>
    <docNum>34324324</docNum>
    <docOriginCC>MY</docOriginCC>
    <under18>N</under18>
    <industryType/>
    <mbNumber>+1.7035555555</mbNumber>
  </ext:extension>
</extension>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

### EPP 1.0 Response

```

<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>

```

## 2.5 Tracking Object

### 2.5.1 Tracking Info

#### EPP 1.0 Request

```

<?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>
      <tracking:info xmlns:tracking="urn:ietf:params:xml:ns:tracking-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:tracking-1.0 tracking-1.0.xsd">
        <tracking:TrackingNumber>NDN123456</tracking:TrackingNumber>
      </tracking:info>
    </info>
  </command>
</epp>

```

```
</info>
<cITRID> ABC-12345</cITRID>
</command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <tracking:infData
        xmlns:tracking="urn:ietf:params:xml:ns:tracking-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:tracking-1.0 tracking-1.0.xsd">
        <tracking:TrackingNumber>NDN123456</tracking:TrackingNumber>
        <tracking:DomainName>EXAMPLE1-EP.HK</tracking:DomainName>
        <tracking:BundleDomainName>EXAMPLE2-EP.HK</tracking:BundleDomainName>
        <tracking:TrackingStatus>COMPLETED</tracking:TrackingStatus>
        <tracking:DocumentApprovalStatus>APPROVED</tracking:DocumentApprovalStatus>
        <tracking:PaymentStatus>COMPLETED</tracking:PaymentStatus>
        <tracking:ApplyDate>2010-07-29</tracking:ApplyDate>
        <tracking:TransactionActivationORRejectedDate>2010-07-29</tracking:
TransactionActivationORRejectedDate>
        <tracking:IsWarning>N</tracking:IsWarning>
        <tracking:IsConflicker>N</tracking:IsConflicker>
      </tracking:infData>
    </resData>
    <trID>
      <cITRID>ABC-12345</cITRID>
      <svTRID>54321-XYZ</svTRID>
    </trID>
  </response>
</epp>
```

## 2.5.2 Tracking Create RAC

### EPP 1.0 Request

```
<?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>
      <tracking:createRAC xmlns:tracking="urn:ietf:params:xml:ns:tracking-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:tracking-1.0
        tracking-1.0.xsd">
        <tracking:DomainName>CREATERAC.COM.HK</tracking:DomainName>
      </tracking:createRAC>
    </create>
  </command>
</epp>
```

```
<cITRID>96441EWFEU</cITRID>
</command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <tracking:creDataRAC
        xmlns:tracking="urn:ietf:params:xml:ns:tracking-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:tracking-1.0 tracking-1.
0.xsd">
        <tracking:TrackingNumber>RAC1234</tracking:TrackingNumber>
      </tracking:creDataRAC>
    </resData>
    <trID>
      <cITRID>60536FLCFF</cITRID>
      <svTRID>28721OKWHB</svTRID>
    </trID>
  </response>
```

## 2.5.3 Update Tracking Document Status

### EPP 1.0 Request

```
<?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>
      <tracking:update xmlns:tracking="urn:ietf:params:xml:ns:tracking-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:tracking-1.0 tracking-1.0.xsd">
        <tracking:TrackingNumber>TNR18890</tracking:TrackingNumber>
        <tracking:chg>
          <tracking:DocumentStatus>A</tracking:DocumentStatus>
        </tracking:chg>
      </tracking:update>
    </update>
    <cITRID>36395JLHEX</cITRID>
  </command>
</epp>
```

### EPP 1.0 Response

```
<?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">
  <response>
    <result code="1000">
```

---

```
<msg>Command completed successfully</msg>
</result>
<trID>
  <clTRID>36395JLHEX</clTRID>
  <svTRID>18875BOWFI</svTRID>
</trID>
</response>
</epp>
```

Legend: Document Status; A – Approve, R – Reject, P – Pending

---

## 2.6 Error Code

Response code	Response text	Description
1000	Command completed successfully	Response code for a successfully completed command that is not addressed by any other 1xxx response code.
1001	Command completed successfully; action pending	Response code for a command that requires offline activity before the operation can be completed. E.g registering a pragmatic .com.hk.sg domain name.
1300	Command completed successfully; no messages	Response code to a <poll> request command where the server message queue is empty.
1301	Command completed successfully; ack to dequeue.	Response code to a <poll> request command where a message has been retrieved from the server message queue.
1500	Command completed successfully; ending session	Response code to a successful <logout> command.
2000	Unknown command	Response code to a command that is not defined by EPP.
2001	Command syntax error	Response code to an improperly formed command element.
2002	Command use error	Response code to a properly formed command element but the command cannot be executed due to a sequencing or context error. E.g. a <logout> command cannot be executed without having first completed a <login> command.
2003	Required parameter missing	Response code to a command for which a required parameter value has not been provided.
2004	Parameter value range error	Response code to a request containing a command parameter which is out of the required range. For example this code is returned to a domain create request containing a domain name with numbers of characters exceeding 63.
2005	Parameter value syntax error	Response code to a request containing a parameter whose value is improperly formed. For example, this code is returned when a postcode or domain name is improperly formed.

2100	Unimplemented protocol version	Response code to a command element specifying a protocol version that is not implemented by the server.
2101	Unimplemented command.	Response code to a valid EPP command element that is not implemented by the server. For example, this code is returned to requests for <contact:extension>
2102	Unimplemented option	Response code to a valid EPP command element that contains a protocol option that is not implemented by the server.
2103	Unimplemented extension	Response code to a valid EPP command element that contains a protocol command extension that is not implemented by the server.
2104	Billing failure	Response code to a command to execute a billable operation and the command cannot be completed due to a client billing failure. This is returned by the EPP server when a <domain:create> command is received and the registrar's credit limit has been breached.
2105	Object is not eligible for renewal	Response code when a command attempts to renew an object that is not eligible for renewal. The EPP server returns this code to a request to renew a domain name when it is not passed 6 months before expiry.
2200	Authentication error	Response code when there is an error when validating client credentials, i.e. the password provided on login is wrong.
2201	Authorization error	Response code when there is a client authorization error when executing a command. This response code is also returned by the EPP server upon a request to query or modify a domain name that is either not registered or is registered to a different tag. This response code is also returned when the usage policy is exceeded.
2300	Object pending transfer	This response code MUST be returned when a server receives a command to transfer of an object that is pending transfer due to an earlier transfer request.
2302	Object exists	Response code to a request to create an object that already exists in the database. The EPP server returns this code to a request to register a domain name that is already registered.
2303	Object does not exist	Response code to a request to modify or query an object that does not exist.
2304	Object status prohibits operation	Response code to an operation on an object that cannot be completed due to business practices. For example, the EPP server returns this code to a request to delete a domain name that has been invoiced
2306	Parameter policy error	Response code to a command containing a parameter value that is syntactically valid, but semantically invalid. For example, this is returned to a request to register a .com.hk.sg

---

		domain name.
2307	Unimplemented object service	Response code to a command to operate on an object service that is not supported by the server.
2308	Data management policy violation	Response code to a command whose execution results in a violation of server data management policies. For example the EPP server returns this code to a modify request that includes a request to both modify and delete the same field.
2400	Command failed	This response code is returned when the server is unable to complete a modify, release or renewal command due to database blocking.
2500	Command failed; server closing connection	This response code is returned when there is an internal server error that is not related to the protocol. The active session is ended and the connection with the client is closed.
2501	Authentication error; server closing connection	Response code when three invalid login attempts have been received on the connection. The server closes the connection with the client.