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Q24 EPP Schema Files
<?xml version="1.0" encoding="UTF-8"?>

<schema targetNamespace="urn:ietf:params:xml:ns:contact-1.0"
    xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
    xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
    xmlns="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
    schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:epp-1.0"
    schemaLocation="epp-1.0.xsd"/>

<annotation>
    <documentation>
        Extensible Provisioning Protocol v1.0
        contact provisioning schema.
    </documentation>
</annotation>

<!--
Child elements found in EPP commands.
-->
<element name="check" type="contact:mIDType"/>
<element name="create" type="contact:createType"/>
<element name="delete" type="contact:sIDType"/>
<element name="info" type="contact:authIDType"/>
<element name="transfer" type="contact:authIDType"/>
<element name="update" type="contact:updateType"/>

<!--
Utility types.
-->
<simpleType name="ccType">
    <restriction base="token">
        <length value="2"/>
    </restriction>
</simpleType>

<complexType name="e164Type">
    <simpleContent>
        <extension base="contact:e164StringType">
            <attribute name="x" type="token"/>
        </extension>
    </simpleContent>
</complexType>

<simpleType name="e164StringType">
    <restriction base="token">
        <pattern value="(\\+[0-9]{1,3}\\.[0-9]{1,14})?"/>
        <maxLength value="17"/>
    </restriction>
</simpleType>

<simpleType name="pcType">
    <restriction base="token">
        <maxLength value="16"/>
    </restriction>
</simpleType>

<simpleType name="postalLineType">
    <restriction base="normalizedString">
        <minLength value="1"/>
        <maxLength value="255"/>

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</restriction>
</simpleType>

<simpleType name="optPostalLineType">
    <restriction base="normalizedString">
        <maxLength value="255"/>
    </restriction>
</simpleType>

<!--
Child elements of the <create> command.
-->
<complexType name="createType">
    <sequence>
        <element name="id" type="eppcom:cIDType"/>
        <element name="postalInfo" type="contact:postalInfoType"
            maxOccurs="2"/>
        <element name="voice" type="contact:e164Type"
            minOccurs="0"/>
        <element name="fax" type="contact:e164Type"
            minOccurs="0"/>
        <element name="email" type="eppcom:minTokenType"/>
        <element name="authInfo" type="contact:authInfoType"/>
        <element name="disclose" type="contact:discloseType"
            minOccurs="0"/>
    </sequence>
</complexType>

<complexType name="postalInfoType">
    <sequence>
        <element name="name" type="contact:postalLineType"/>
        <element name="org" type="contact:optPostalLineType"
            minOccurs="0"/>
        <element name="addr" type="contact:addrType"/>
    </sequence>
    <attribute name="type" type="contact:postalInfoEnumType"
        use="required"/>
</complexType>

<simpleType name="postalInfoEnumType">
    <restriction base="token">
        <enumeration value="loc"/>
        <enumeration value="int"/>
    </restriction>
</simpleType>

<complexType name="addrType">
    <sequence>
        <element name="street" type="contact:optPostalLineType"
            minOccurs="0" maxOccurs="3"/>
        <element name="city" type="contact:postalLineType"/>
        <element name="sp" type="contact:optPostalLineType"
            minOccurs="0"/>
        <element name="pc" type="contact:pcType"
            minOccurs="0"/>
        <element name="cc" type="contact:ccType"/>
    </sequence>
</complexType>

<complexType name="authInfoType">
    <choice>
        <element name="pw" type="eppcom:pwAuthInfoType"/>
        <element name="ext" type="eppcom:extAuthInfoType"/>
    </choice>
</complexType>

<complexType name="discloseType">
    <sequence>
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<element name="name" type="contact:intLocType"
  minOccurs="0" maxOccurs="2"/>
<element name="org" type="contact:intLocType"
  minOccurs="0" maxOccurs="2"/>
<element name="addr" type="contact:intLocType"
  minOccurs="0" maxOccurs="2"/>
<element name="voice" minOccurs="0"/>
<element name="fax" minOccurs="0"/>
<element name="email" minOccurs="0"/>
</sequence>
<attribute name="flag" type="boolean" use="required"/>
</complexType>

<complexType name="intLocType">
  <attribute name="type" type="contact:postalInfoEnumType"
    use="required"/>
</complexType>

<!--
Child element of commands that require only an identifier.
-->
<complexType name="sIDType">
  <sequence>
    <element name="id" type="eppcom:cIDType"/>
  </sequence>
</complexType>

<!--
Child element of commands that accept multiple identifiers.
-->
<complexType name="mIDType">
  <sequence>
    <element name="id" type="eppcom:cIDType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<!--
Child elements of the <info> and <transfer> commands.
-->
<complexType name="authIDType">
  <sequence>
    <element name="id" type="eppcom:cIDType"/>
    <element name="authInfo" type="contact:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
  <sequence>
    <element name="id" type="eppcom:cIDType"/>
    <element name="add" type="contact:addRemType"
      minOccurs="0"/>
    <element name="rem" type="contact:addRemType"
      minOccurs="0"/>
    <element name="chg" type="contact:chgType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data elements that can be added or removed.
-->
<complexType name="addRemType">
  <sequence>

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          Q24 EPP Schema Files
    <element name="status" type="contact:statusType"
      maxOccurs="7"/>
  </sequence>
</complexType>

<!--
Data elements that can be changed.
-->
<complexType name="chgType">
  <sequence>
    <element name="postalInfo" type="contact:chgPostalInfoType"
      minOccurs="0" maxOccurs="2"/>
    <element name="voice" type="contact:e164Type"
      minOccurs="0"/>
    <element name="fax" type="contact:e164Type"
      minOccurs="0"/>
    <element name="email" type="eppcom:minTokenType"
      minOccurs="0"/>
    <element name="authInfo" type="contact:authInfoType"
      minOccurs="0"/>
    <element name="disclose" type="contact:discloseType"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="chgPostalInfoType">
  <sequence>
    <element name="name" type="contact:postalLineType"
      minOccurs="0"/>
    <element name="org" type="contact:optPostalLineType"
      minOccurs="0"/>
    <element name="addr" type="contact:addrType"
      minOccurs="0"/>
  </sequence>
  <attribute name="type" type="contact:postalInfoEnumType"
    use="required"/>
</complexType>

<!--
Child response elements.
-->
<element name="chkData" type="contact:chkDataType"/>
<element name="creData" type="contact:creDataType"/>
<element name="infData" type="contact:infDataType"/>
<element name="panData" type="contact:panDataType"/>
<element name="trnData" type="contact:trnDataType"/>

<!--
<check> response elements.
-->
<complexType name="chkDataType">
  <sequence>
    <element name="cd" type="contact:checkType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="checkType">
  <sequence>
    <element name="id" type="contact:checkIDType"/>
    <element name="reason" type="eppcom:reasonType"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="checkIDType">
  <simpleContent>
    <extension base="eppcom:c1IDType">

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<attribute name="avail" type="boolean"
    use="required"/>
</extension>
</simpleContent>
</complexType>

<!--
<create> response elements.
-->
<complexType name="creDataType">
    <sequence>
        <element name="id" type="eppcom:cIDType"/>
        <element name="crDate" type="dateTime"/>
    </sequence>
</complexType>

<!--
<info> response elements.
-->
<complexType name="infDataType">
    <sequence>
        <element name="id" type="eppcom:cIDType"/>
        <element name="roid" type="eppcom:roidType"/>
        <element name="status" type="contact:statusType"
            maxOccurs="7"/>
        <element name="postalInfo" type="contact:postalInfoType"
            maxOccurs="2"/>
        <element name="voice" type="contact:e164Type"
            minOccurs="0"/>
        <element name="fax" type="contact:e164Type"
            minOccurs="0"/>
        <element name="email" type="eppcom:minTokenType"/>
        <element name="cID" type="eppcom:cIDType"/>
        <element name="crID" type="eppcom:cIDType"/>
        <element name="crDate" type="dateTime"/>
        <element name="upID" type="eppcom:cIDType"
            minOccurs="0"/>
        <element name="upDate" type="dateTime"
            minOccurs="0"/>
        <element name="trDate" type="dateTime"
            minOccurs="0"/>
        <element name="authInfo" type="contact:authInfoType"
            minOccurs="0"/>
        <element name="disclose" type="contact:discloseType"
            minOccurs="0"/>
    </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="contact:statusValueType"
                use="required"/>
            <attribute name="lang" type="language"
                default="en"/>
        </extension>
    </simpleContent>
</complexType>

<simpleType name="statusValueType">
    <restriction base="token">
        <enumeration value="clientDeleteProhibited"/>
        <enumeration value="clientTransferProhibited"/>
        <enumeration value="clientUpdateProhibited"/>

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<enumeration value="linked"/>
<enumeration value="ok"/>
<enumeration value="pendingCreate"/>
<enumeration value="pendingDelete"/>
<enumeration value="pendingTransfer"/>
<enumeration value="pendingUpdate"/>
<enumeration value="serverDeleteProhibited"/>
<enumeration value="serverTransferProhibited"/>
<enumeration value="serverUpdateProhibited"/>
</restriction>
</simpleType>

<!--
Pending action notification response elements.
-->
<complexType name="panDataType">
  <sequence>
    <element name="id" type="contact:paCLIDType"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>

<complexType name="paCLIDType">
  <simpleContent>
    <extension base="eppcom:cLIDType">
      <attribute name="paResult" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<transfer> response elements.
-->
<complexType name="trnDataType">
  <sequence>
    <element name="id" type="eppcom:cLIDType"/>
    <element name="trStatus" type="eppcom:trStatusType"/>
    <element name="reID" type="eppcom:cLIDType"/>
    <element name="reDate" type="dateTime"/>
    <element name="acID" type="eppcom:cLIDType"/>
    <element name="acDate" type="dateTime"/>
  </sequence>
</complexType>

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

#####
# New Schema #
#####

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

<schema targetNamespace="urn:ietf:params:xml:ns:domain-1.0"
  xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
  xmlns:host="urn:ietf:params:xml:ns:host-1.0"
  xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
  xmlns="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">

<!--
Import common element types.
-->
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          Q24 EPP Schema Files
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
          schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:epp-1.0"
          schemaLocation="epp-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:host-1.0"
          schemaLocation="host-1.0.xsd"/>

<annotation>
  <documentation>
    Extensible Provisioning Protocol v1.0
    domain provisioning schema.
  </documentation>
</annotation>

<!--
Child elements found in EPP commands.
-->
<element name="check" type="domain:mNameType"/>
<element name="create" type="domain:createType"/>
<element name="delete" type="domain:sNameType"/>
<element name="info" type="domain:infoType"/>
<element name="renew" type="domain:renewType"/>
<element name="transfer" type="domain:transferType"/>
<element name="update" type="domain:updateType"/>

<!--
Child elements of the <create> command.
-->
<complexType name="createType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="period" type="domain:periodType"
      minOccurs="0"/>
    <element name="ns" type="domain:nsType"
      minOccurs="0"/>
    <element name="registrant" type="eppcom:cIDType"
      minOccurs="0"/>
    <element name="contact" type="domain:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="authInfo" type="domain:authInfoType"/>
  </sequence>
</complexType>

<complexType name="periodType">
  <simpleContent>
    <extension base="domain:pLimitType">
      <attribute name="unit" type="domain:pUnitType"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="pLimitType">
  <restriction base="unsignedShort">
    <minInclusive value="1"/>
    <maxInclusive value="99"/>
  </restriction>
</simpleType>

<simpleType name="pUnitType">
  <restriction base="token">
    <enumeration value="y"/>
    <enumeration value="m"/>
  </restriction>
</simpleType>

<complexType name="nsType">
  <choice>

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<element name="hostObj" type="eppcom:labelType"
  maxOccurs="unbounded"/>
<element name="hostAttr" type="domain:hostAttrType"
  maxOccurs="unbounded"/>
</choice>
</complexType>
<!--
Name servers are either host objects or attributes.
-->

<complexType name="hostAttrType">
  <sequence>
    <element name="hostName" type="eppcom:labelType"/>
    <element name="hostAddr" type="host:addrType"
      minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
</complexType>
<!--
If attributes, addresses are optional and follow the
structure defined in the host mapping.
-->

<complexType name="contactType">
  <simpleContent>
    <extension base="eppcom:cIDType">
      <attribute name="type" type="domain:contactAttrType"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="contactAttrType">
  <restriction base="token">
    <enumeration value="admin"/>
    <enumeration value="billing"/>
    <enumeration value="tech"/>
  </restriction>
</simpleType>

<complexType name="authInfoType">
  <choice>
    <element name="pw" type="eppcom:pwAuthInfoType"/>
    <element name="ext" type="eppcom:extAuthInfoType"/>
  </choice>
</complexType>

<!--
Child element of commands that require a single name.
-->
<complexType name="sNameType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
  </sequence>
</complexType>

<!--
Child element of commands that accept multiple names.
-->
<complexType name="mNameType">
  <sequence>
    <element name="name" type="eppcom:labelType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<!--
Child elements of the <info> command.
-->
<complexType name="infoType">

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<sequence>
  <element name="name" type="domain:infoNameType"/>
  <element name="authInfo" type="domain:authInfoType"
    minOccurs="0"/>
</sequence>
</complexType>

<complexType name="infoNameType">
  <simpleContent>
    <extension base = "eppcom:labelType">
      <attribute name="hosts" type="domain:hostsType"
        default="all"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="hostsType">
  <restriction base="token">
    <enumeration value="all"/>
    <enumeration value="del"/>
    <enumeration value="none"/>
    <enumeration value="sub"/>
  </restriction>
</simpleType>

<!--
Child elements of the <renew> command.
-->
<complexType name="renewType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="curExpDate" type="date"/>
    <element name="period" type="domain:periodType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <transfer> command.
-->
<complexType name="transferType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="period" type="domain:periodType"
      minOccurs="0"/>
    <element name="authInfo" type="domain:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="add" type="domain:addRemType"
      minOccurs="0"/>
    <element name="rem" type="domain:addRemType"
      minOccurs="0"/>
    <element name="chg" type="domain:chgType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data elements that can be added or removed.
-->
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Q24 EPP Schema Files
<complexType name="addRemType">
  <sequence>
    <element name="ns" type="domain:nsType"
      minOccurs="0"/>
    <element name="contact" type="domain:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="status" type="domain:statusType"
      minOccurs="0" maxOccurs="11"/>
  </sequence>
</complexType>

<!--
Data elements that can be changed.
-->
<complexType name="chgType">
  <sequence>
    <element name="registrant" type="domain:cIDChgType"
      minOccurs="0"/>
    <element name="authInfo" type="domain:authInfoChgType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Allow the registrant value to be nullified by changing the
minLength restriction to "0".
-->
<simpleType name="cIDChgType">
  <restriction base="token">
    <minLength value="0"/>
    <maxLength value="16"/>
  </restriction>
</simpleType>

<!--
Allow the authInfo value to be nullified by including an
empty element within the choice.
-->
<complexType name="authInfoChgType">
  <choice>
    <element name="pw" type="eppcom:pwAuthInfoType"/>
    <element name="ext" type="eppcom:extAuthInfoType"/>
    <element name="null"/>
  </choice>
</complexType>

<!--
Child response elements.
-->
<element name="chkData" type="domain:chkDataType"/>
<element name="creData" type="domain:creDataType"/>
<element name="infData" type="domain:infDataType"/>
<element name="panData" type="domain:panDataType"/>
<element name="renData" type="domain:renDataType"/>
<element name="trnData" type="domain:trnDataType"/>

<!--
<check> response elements.
-->
<complexType name="chkDataType">
  <sequence>
    <element name="cd" type="domain:checkType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="checkType">
  <sequence>

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<element name="name" type="domain:checkNameType"/>
<element name="reason" type="eppcom:reasonType"
  minOccurs="0"/>
</sequence>
</complexType>

<complexType name="checkNameType">
  <simpleContent>
    <extension base="eppcom:labelType">
      <attribute name="avail" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<create> response elements.
-->
<complexType name="creDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="crDate" type="dateTime"/>
    <element name="exDate" type="dateTime"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
<info> response elements.
-->
<complexType name="infDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="roid" type="eppcom:roidType"/>
    <element name="status" type="domain:statusType"
      minOccurs="0" maxOccurs="11"/>
    <element name="registrant" type="eppcom:cIDType"
      minOccurs="0"/>
    <element name="contact" type="domain:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="ns" type="domain:nsType"
      minOccurs="0"/>
    <element name="host" type="eppcom:labelType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="cID" type="eppcom:cIDType"/>
    <element name="crID" type="eppcom:cIDType"
      minOccurs="0"/>
    <element name="crDate" type="dateTime"
      minOccurs="0"/>
    <element name="upID" type="eppcom:cIDType"
      minOccurs="0"/>
    <element name="upDate" type="dateTime"
      minOccurs="0"/>
    <element name="exDate" type="dateTime"
      minOccurs="0"/>
    <element name="trDate" type="dateTime"
      minOccurs="0"/>
    <element name="authInfo" type="domain:authInfoType"
      minOccurs="0"/>
  </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>

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<extension base="normalizedString">
  <attribute name="s" type="domain:statusValueType"
    use="required"/>
  <attribute name="lang" type="language"
    default="en"/>
</extension>
</simpleContent>
</complexType>

<simpleType name="statusValueType">
  <restriction base="token">
    <enumeration value="clientDeleteProhibited"/>
    <enumeration value="clientHold"/>
    <enumeration value="clientRenewProhibited"/>
    <enumeration value="clientTransferProhibited"/>
    <enumeration value="clientUpdateProhibited"/>
    <enumeration value="inactive"/>
    <enumeration value="ok"/>
    <enumeration value="pendingCreate"/>
    <enumeration value="pendingDelete"/>
    <enumeration value="pendingRenew"/>
    <enumeration value="pendingTransfer"/>
    <enumeration value="pendingUpdate"/>
    <enumeration value="serverDeleteProhibited"/>
    <enumeration value="serverHold"/>
    <enumeration value="serverRenewProhibited"/>
    <enumeration value="serverTransferProhibited"/>
    <enumeration value="serverUpdateProhibited"/>
  </restriction>
</simpleType>

<!--
Pending action notification response elements.
-->
<complexType name="panDataType">
  <sequence>
    <element name="name" type="domain:paNameType"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>

<complexType name="paNameType">
  <simpleContent>
    <extension base="eppcom:labelType">
      <attribute name="paResult" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<renew> response elements .
-->
<complexType name="renDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="exDate" type="dateTime"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
<transfer> response elements .
-->
<complexType name="trnDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>

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<element name="trStatus" type="eppcom:trStatusType"/>
<element name="reID" type="eppcom:cIDType"/>
<element name="reDate" type="dateTime"/>
<element name="acID" type="eppcom:cIDType"/>
<element name="acDate" type="dateTime"/>
<element name="exDate" type="dateTime"
    minOccurs="0"/>
</sequence>
</complexType>

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

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

<schema targetNamespace="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
    xmlns="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
    schemaLocation="eppcom-1.0.xsd"/>

<annotation>
    <documentation>
        Extensible Provisioning Protocol v1.0 schema.
    </documentation>
</annotation>

<!--
Every EPP XML instance must begin with this element.
-->
<element name="epp" type="epp:eppType"/>

<!--
An EPP XML instance must contain a greeting, hello, command,
response, or extension.
-->
<complexType name="eppType">
    <choice>
        <element name="greeting" type="epp:greetingType"/>
        <element name="hello"/>
        <element name="command" type="epp:commandType"/>
        <element name="response" type="epp:responseType"/>
        <element name="extension" type="epp:extAnyType"/>
    </choice>
</complexType>

<!--
A greeting is sent by a server in response to a client connection
or <hello>.
-->
<complexType name="greetingType">
    <sequence>
        <element name="svID" type="epp:sIDType"/>
        <element name="svDate" type="dateTime"/>
        <element name="svcMenu" type="epp:svcMenuType"/>
        <element name="dcp" type="epp:dcpType"/>
    </sequence>

```

Q24 EPP Schema Files

```
</complexType>

<!--
Server IDs are strings with minimum and maximum length restrictions.
-->
<simpleType name="sIDType">
  <restriction base="normalizedString">
    <minLength value="3"/>
    <maxLength value="64"/>
  </restriction>
</simpleType>

<!--
A server greeting identifies available object services.
-->
<complexType name="svcMenuType">
  <sequence>
    <element name="version" type="epp:versionType"
      maxOccurs="unbounded"/>
    <element name="lang" type="language"
      maxOccurs="unbounded"/>
    <element name="objURI" type="anyURI"
      maxOccurs="unbounded"/>
    <element name="svcExtension" type="epp:extURIType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data Collection Policy types.
-->
<complexType name="dcpType">
  <sequence>
    <element name="access" type="epp:dcpAccessType"/>
    <element name="statement" type="epp:dcpStatementType"
      maxOccurs="unbounded"/>
    <element name="expiry" type="epp:dcpExpiryType"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="dcpAccessType">
  <choice>
    <element name="all"/>
    <element name="none"/>
    <element name="null"/>
    <element name="other"/>
    <element name="personal"/>
    <element name="personalAndOther"/>
  </choice>
</complexType>

<complexType name="dcpStatementType">
  <sequence>
    <element name="purpose" type="epp:dcpPurposeType"/>
    <element name="recipient" type="epp:dcpRecipientType"/>
    <element name="retention" type="epp:dcpRetentionType"/>
  </sequence>
</complexType>

<complexType name="dcpPurposeType">
  <sequence>
    <element name="admin"
      minOccurs="0"/>
    <element name="contact"
      minOccurs="0"/>
    <element name="other"
      minOccurs="0"/>
  </sequence>
</complexType>
```

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```
<element name="prov"
  minOccurs="0"/>
</sequence>
</complexType>

<complexType name="dcpRecipientType">
  <sequence>
    <element name="other"
      minOccurs="0"/>
    <element name="ours" type="epp:dcpOursType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="public"
      minOccurs="0"/>
    <element name="same"
      minOccurs="0"/>
    <element name="unrelated"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="dcpOursType">
  <sequence>
    <element name="recDesc" type="epp:dcpRecDescType"
      minOccurs="0"/>
  </sequence>
</complexType>

<simpleType name="dcpRecDescType">
  <restriction base="token">
    <minLength value="1"/>
    <maxLength value="255"/>
  </restriction>
</simpleType>

<complexType name="dcpRetentionType">
  <choice>
    <element name="business"/>
    <element name="indefinite"/>
    <element name="legal"/>
    <element name="none"/>
    <element name="stated"/>
  </choice>
</complexType>

<complexType name="dcpExpiryType">
  <choice>
    <element name="absolute" type="dateTime"/>
    <element name="relative" type="duration"/>
  </choice>
</complexType>

<!--
Extension framework types.
-->
<complexType name="extAnyType">
  <sequence>
    <any namespace="##other"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="extURIType">
  <sequence>
    <element name="extURI" type="anyURI"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>
```

Q24 EPP Schema Files

```

<!--
An EPP version number is a dotted pair of decimal numbers.
-->
<simpleType name="versionType">
  <restriction base="token">
    <pattern value="[1-9]+\.[0-9]+"/>
    <enumeration value="1.0"/>
  </restriction>
</simpleType>

<!--
Command types.
-->
<complexType name="commandType">
  <sequence>
    <choice>
      <element name="check" type="epp:readwriteType"/>
      <element name="create" type="epp:readwriteType"/>
      <element name="delete" type="epp:readwriteType"/>
      <element name="info" type="epp:readwriteType"/>
      <element name="login" type="epp:loginType"/>
      <element name="logout"/>
      <element name="poll" type="epp:pollType"/>
      <element name="renew" type="epp:readwriteType"/>
      <element name="transfer" type="epp:transferType"/>
      <element name="update" type="epp:readwriteType"/>
    </choice>
    <element name="extension" type="epp:extAnyType"
      minOccurs="0"/>
    <element name="c1TRID" type="epp:trIDStringType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
The <login> command.
-->
<complexType name="loginType">
  <sequence>
    <element name="c1ID" type="eppcom:c1IDType"/>
    <element name="pw" type="epp:pwType"/>
    <element name="newPW" type="epp:pwType"
      minOccurs="0"/>
    <element name="options" type="epp:credsOptionsType"/>
    <element name="svcs" type="epp:loginSvcType"/>
  </sequence>
</complexType>

<complexType name="credsOptionsType">
  <sequence>
    <element name="version" type="epp:versionType"/>
    <element name="lang" type="language"/>
  </sequence>
</complexType>

<simpleType name="pwType">
  <restriction base="token">
    <minLength value="6"/>
    <maxLength value="16"/>
  </restriction>
</simpleType>

<complexType name="loginSvcType">
  <sequence>
    <element name="objURI" type="anyURI"
      maxOccurs="unbounded"/>
    <element name="svcExtension" type="epp:extURIType"
      minOccurs="0"/>
  </sequence>
</complexType>

```

Q24 EPP Schema Files

```
</sequence>
</complexType>

<!--
The <poll> command.
-->
<complexType name="pollType">
  <attribute name="op" type="epp:pollOpType"
    use="required"/>
  <attribute name="msgID" type="token"/>
</complexType>

<simpleType name="pollOpType">
  <restriction base="token">
    <enumeration value="ack"/>
    <enumeration value="req"/>
  </restriction>
</simpleType>

<!--
The <transfer> command. This is object-specific, and uses attributes
to identify the requested operation.
-->
<complexType name="transferType">
  <sequence>
    <any namespace="##other"/>
  </sequence>
  <attribute name="op" type="epp:transferOpType"
    use="required"/>
</complexType>

<simpleType name="transferOpType">
  <restriction base="token">
    <enumeration value="approve"/>
    <enumeration value="cancel"/>
    <enumeration value="query"/>
    <enumeration value="reject"/>
    <enumeration value="request"/>
  </restriction>
</simpleType>

<!--
All other object-centric commands. EPP doesn't specify the syntax or
semantics of object-centric command elements. The elements MUST be
described in detail in another schema specific to the object.
-->
<complexType name="readWriteType">
  <sequence>
    <any namespace="##other"/>
  </sequence>
</complexType>

<complexType name="trIDType">
  <sequence>
    <element name="c1TRID" type="epp:trIDStringType"
      minOccurs="0"/>
    <element name="svTRID" type="epp:trIDStringType"/>
  </sequence>
</complexType>

<simpleType name="trIDStringType">
  <restriction base="token">
    <minLength value="3"/>
    <maxLength value="64"/>
  </restriction>
</simpleType>

<!--
```

Q24 EPP Schema Files

Response types.

```
-->
<complexType name="responseType">
  <sequence>
    <element name="result" type="epp:resultType"
      maxOccurs="unbounded"/>
    <element name="msgQ" type="epp:msgQType"
      minOccurs="0"/>
    <element name="resData" type="epp:extAnyType"
      minOccurs="0"/>
    <element name="extension" type="epp:extAnyType"
      minOccurs="0"/>
    <element name="trID" type="epp:trIDType"/>
  </sequence>
</complexType>

<complexType name="resultType">
  <sequence>
    <element name="msg" type="epp:msgType"/>
    <choice minOccurs="0" maxOccurs="unbounded">
      <element name="value" type="epp:errValueType"/>
      <element name="extValue" type="epp:extErrValueType"/>
    </choice>
  </sequence>
  <attribute name="code" type="epp:resultCodeType"
    use="required"/>
</complexType>

<complexType name="errValueType" mixed="true">
  <sequence>
    <any namespace="##any" processContents="skip"/>
  </sequence>
  <anyAttribute namespace="##any" processContents="skip"/>
</complexType>

<complexType name="extErrValueType">
  <sequence>
    <element name="value" type="epp:errValueType"/>
    <element name="reason" type="epp:msgType"/>
  </sequence>
</complexType>

<complexType name="msgQType">
  <sequence>
    <element name="qDate" type="dateTime"
      minOccurs="0"/>
    <element name="msg" type="epp:mixedMsgType"
      minOccurs="0"/>
  </sequence>
  <attribute name="count" type="unsignedLong"
    use="required"/>
  <attribute name="id" type="eppcom:minTokenType"
    use="required"/>
</complexType>

<complexType name="mixedMsgType" mixed="true">
  <sequence>
    <any processContents="skip"
      minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="lang" type="language"
    default="en"/>
</complexType>

<!--
Human-readable text may be expressed in languages other than English.
-->
<complexType name="msgType">
```

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```
<simpleContent>
    <extension base="normalizedString">
        <attribute name="lang" type="language"
            default="en"/>
    </extension>
</simpleContent>
</complexType>

<!--
EPP result codes.
-->
<simpleType name="resultCodeType">
    <restriction base="unsignedShort">
        <enumeration value="1000"/>
        <enumeration value="1001"/>
        <enumeration value="1300"/>
        <enumeration value="1301"/>
        <enumeration value="1500"/>
        <enumeration value="2000"/>
        <enumeration value="2001"/>
        <enumeration value="2002"/>
        <enumeration value="2003"/>
        <enumeration value="2004"/>
        <enumeration value="2005"/>
        <enumeration value="2100"/>
        <enumeration value="2101"/>
        <enumeration value="2102"/>
        <enumeration value="2103"/>
        <enumeration value="2104"/>
        <enumeration value="2105"/>
        <enumeration value="2106"/>
        <enumeration value="2200"/>
        <enumeration value="2201"/>
        <enumeration value="2202"/>
        <enumeration value="2300"/>
        <enumeration value="2301"/>
        <enumeration value="2302"/>
        <enumeration value="2303"/>
        <enumeration value="2304"/>
        <enumeration value="2305"/>
        <enumeration value="2306"/>
        <enumeration value="2307"/>
        <enumeration value="2308"/>
        <enumeration value="2400"/>
        <enumeration value="2500"/>
        <enumeration value="2501"/>
        <enumeration value="2502"/>
    </restriction>
</simpleType>

<!--
End of schema.
-->
</schema>
#####
##### New Schema #####
#####
<?xml version="1.0" encoding="UTF-8"?>

<schema targetNamespace="urn:ietf:params:xml:ns:eppcom-1.0"
    xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
    xmlns="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified">

    <annotation>
        <documentation>
            Extensible Provisioning Protocol v1.0
            shared structures schema.
        </documentation>
    </annotation>

```

Q24 EPP Schema Files

```
</documentation>
</annotation>

<!--
Object authorization information types.
-->
<complexType name="pwAuthInfoType">
  <simpleContent>
    <extension base="normalizedstring">
      <attribute name="roid" type="eppcom:roidType"/>
    </extension>
  </simpleContent>
</complexType>

<complexType name="extAuthInfoType">
  <sequence>
    <any namespace="##other"/>
  </sequence>
</complexType>

<!--
<check> response types .
-->
<complexType name="reasonType">
  <simpleContent>
    <extension base="eppcom:reasonBaseType">
      <attribute name="lang" type="language"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="reasonBaseType">
  <restriction base="token">
    <minLength value="1"/>
    <maxLength value="32"/>
  </restriction>
</simpleType>

<!--
Abstract client and object identifier type.
-->
<simpleType name="c1IDType">
  <restriction base="token">
    <minLength value="3"/>
    <maxLength value="16"/>
  </restriction>
</simpleType>

<!--
DNS label type.
-->
<simpleType name="labelType">
  <restriction base="token">
    <minLength value="1"/>
    <maxLength value="255"/>
  </restriction>
</simpleType>

<!--
Non-empty token type.
-->
<simpleType name="minTokenType">
  <restriction base="token">
    <minLength value="1"/>
  </restriction>
</simpleType>

<!--
```

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```

Repository Object Identifier type.
-->
<simpleType name="roidType">
  <restriction base="token">
    <pattern value="(\w|_){1,80}-\w{1,8}" />
  </restriction>
</simpleType>

<!--
Transfer status identifiers.
-->
<simpleType name="trStatusType">
  <restriction base="token">
    <enumeration value="clientApproved"/>
    <enumeration value="clientCancelled"/>
    <enumeration value="clientRejected"/>
    <enumeration value="pending"/>
    <enumeration value="serverApproved"/>
    <enumeration value="serverCancelled"/>
  </restriction>
</simpleType>

<!--
End of schema.
-->
</schema>
#####
# New Schema #
#####
<?xml version="1.0" encoding="UTF-8"?>

<schema targetNamespace="urn:ietf:params:xml:ns:host-1.0"
        xmlns:host="urn:ietf:params:xml:ns:host-1.0"
        xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
        xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
        xmlns="http://www.w3.org/2001/XMLSchema"
        elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
          schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:epp-1.0"
          schemaLocation="epp-1.0.xsd"/>

<annotation>
  <documentation>
    Extensible Provisioning Protocol v1.0
    host provisioning schema.
  </documentation>
</annotation>

<!--
Child elements found in EPP commands.
-->
<element name="check" type="host:mNameType"/>
<element name="create" type="host:createType"/>
<element name="delete" type="host:sNameType"/>
<element name="info" type="host:sNameType"/>
<element name="update" type="host:updateType"/>

<!--
Child elements of the <create> command.
-->
<complexType name="createType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>

```

Q24 EPP Schema Files

```

<element name="addr" type="host:addrType"
    minOccurs="0" maxOccurs="unbounded"/>
</sequence>
</complexType>

<complexType name="addrType">
    <simpleContent>
        <extension base="host:addrStringType">
            <attribute name="ip" type="host:ipType"
                default="v4"/>
        </extension>
    </simpleContent>
</complexType>

<simpleType name="addrStringType">
    <restriction base="token">
        <minLength value="3"/>
        <maxLength value="45"/>
    </restriction>
</simpleType>

<simpleType name="ipType">
    <restriction base="token">
        <enumeration value="v4"/>
        <enumeration value="v6"/>
    </restriction>
</simpleType>

<!--
Child elements of the <delete> and <info> commands.
-->
<complexType name="sNameType">
    <sequence>
        <element name="name" type="eppcom:labelType"/>
    </sequence>
</complexType>

<!--
Child element of commands that accept multiple names.
-->
<complexType name="mNameType">
    <sequence>
        <element name="name" type="eppcom:labelType"
            maxOccurs="unbounded"/>
    </sequence>
</complexType>

<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
    <sequence>
        <element name="name" type="eppcom:labelType"/>
        <element name="add" type="host:addRemType"
            minOccurs="0"/>
        <element name="rem" type="host:addRemType"
            minOccurs="0"/>
        <element name="chg" type="host:chgType"
            minOccurs="0"/>
    </sequence>
</complexType>

<!--
Data elements that can be added or removed.
-->
<complexType name="addRemType">
    <sequence>
        <element name="addr" type="host:addrType">

```

```

          Q24 EPP Schema Files
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="status" type="host:statusType"
      minOccurs="0" maxOccurs="7"/>
  </sequence>
</complexType>

<!--
Data elements that can be changed.
-->
<complexType name="chgType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
  </sequence>
</complexType>

<!--
Child response elements.
-->
<element name="chkData" type="host:chkDataType"/>
<element name="creData" type="host:creDataType"/>
<element name="infData" type="host:infDataType"/>
<element name="panData" type="host:panDataType"/>

<!--
<check> response elements .
-->
<complexType name="chkDataType">
  <sequence>
    <element name="cd" type="host:checkType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="checkType">
  <sequence>
    <element name="name" type="host:checkNameType"/>
    <element name="reason" type="eppcom:reasonType"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="checkNameType">
  <simpleContent>
    <extension base="eppcom:labelType">
      <attribute name="avail" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<create> response elements .
-->
<complexType name="creDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="crDate" type="dateTime"/>
  </sequence>
</complexType>

<!--
<info> response elements .
-->
<complexType name="infDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="roid" type="eppcom:roidType"/>
    <element name="status" type="host:statusType"

```

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```
    maxOccurs="7"/>
<element name="addr" type="host:addrType"
  minOccurs="0" maxOccurs="unbounded"/>
<element name="c1ID" type="eppcom:c1IDType"/>
<element name="crID" type="eppcom:c1IDType"/>
<element name="crDate" type="dateTime"/>
<element name="upID" type="eppcom:c1IDType"
  minOccurs="0"/>
<element name="upDate" type="dateTime"
  minOccurs="0"/>
<element name="trDate" type="dateTime"
  minOccurs="0"/>
</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="host:statusValueType"
        use="required"/>
      <attribute name="lang" type="language"
        default="en"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="statusValueType">
  <restriction base="token">
    <enumeration value="clientDeleteProhibited"/>
    <enumeration value="clientUpdateProhibited"/>
    <enumeration value="linked"/>
    <enumeration value="ok"/>
    <enumeration value="pendingCreate"/>
    <enumeration value="pendingDelete"/>
    <enumeration value="pendingTransfer"/>
    <enumeration value="pendingUpdate"/>
    <enumeration value="serverDeleteProhibited"/>
    <enumeration value="serverUpdateProhibited"/>
  </restriction>
</simpleType>

<!--
Pending action notification response elements.
-->
<complexType name="panDataType">
  <sequence>
    <element name="name" type="host:paNameType"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>

<complexType name="paNameType">
  <simpleContent>
    <extension base="eppcom:labelType">
      <attribute name="paResult" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

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

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```
</schema>
#####
##### New Schema #####
#####
<?xml version="1.0" encoding="UTF-8"?>

<schema targetNamespace="urn:ietf:params:xml:ns:neulevel-1.0"
    xmlns:neulevel="urn:ietf:params:xml:ns:neulevel-1.0"
    xmlns="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified">

    <annotation>
        <documentation>
            Extensible Provisioning Protocol v1.0
            NeuLevel extension schema.
        </documentation>
    </annotation>

    <!--
NeuLevel extension type.
-->
    <element name="extension" type="neulevel:neulevelExtensionType"/>

    <complexType name="neulevelExtensionType">
        <sequence>
            <element name="unspec" type="neulevel:neulevelUnspecType" minOccurs="0"/>
                <element name="genericNVPairs" type="neulevel:neulevelNVPairType" minOccurs="0"/>
            </sequence>
        </complexType>

    <!--
NeuLevel extension type: string for name/value (for EPP-04 compatibility)
-->
    <simpleType name="neulevelUnspecType">
        <restriction base="normalizedString">
        </restriction>
    </simpleType>

    <complexType name="neulevelNVPairType">
        <sequence>
            <element name="NVTuple" type="neulevel:NVType" minOccurs="0" maxOccurs="unbounded"/>
        </sequence>
    </complexType>

    <complexType name="NVType">
        <simpleContent>
            <extension base="string">
                <attribute name="name" type="string" use="required"/>
            </extension>
        </simpleContent>
    </complexType>

    <!--
End of schema.
-->
</schema>
#####
##### New Schema #####
#####

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

<schema targetNamespace="urn:ietf:params:xml:ns:neustar-1.0"
    xmlns:neustar="urn:ietf:params:xml:ns:neustar-1.0"
    xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
```

```

          Q24 EPP Schema Files
  xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
  xmlns="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">

<!--
Import common element types.
-->
  <import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
            schemaLocation="eppcom-1.0.xsd"/>
  <import namespace="urn:ietf:params:xml:ns:epp-1.0"
            schemaLocation="epp-1.0.xsd"/>
  <import namespace="urn:ietf:params:xml:ns:host-1.0"
            schemaLocation="host-1.0.xsd"/>

  <annotation>
    <documentation>
      Extensible Provisioning Protocol v1.0
      NeuStar-specific schema.
    </documentation>
  </annotation>

  <element name="trnData" type="neustar:trnDataType"/>

<!--
poll response elements for transactions.
-->
  <complexType name="trnDataType">
    <sequence>
      <element name="objID" type="eppcom:labelType"/>
      <element name="objType" type="neustar:objTypeType"/>
      <element name="operation" type="neustar:operationType"/>
      <element name="trnDate" type="dateTime"/>
    </sequence>
  </complexType>

  <simpleType name="objTypeType">
    <restriction base="token">
      <enumeration value="domain"/>
      <enumeration value="contact"/>
      <enumeration value="nameserver"/>
    </restriction>
  </simpleType>

  <simpleType name="operationType">
    <restriction base="token">
      <enumeration value="add"/>
      <enumeration value="delete"/>
      <enumeration value="update"/>
      <enumeration value="renew"/>
      <enumeration value="transfer"/>
    </restriction>
  </simpleType>

<!--
End of schema.
-->
</schema>
#####
#####           New Schema           #####
#####
<?xml version="1.0" encoding="UTF-8"?>

<schema targetNamespace="http://custom/obj1ext-1.0"
        xmlns:obj1ext="http://custom/obj1ext-1.0"
        xmlns:epp="urn:iana:xml:ns:epp-1.0"
        xmlns:eppcom="urn:iana:xml:ns:eppcom-1.0"
        xmlns="http://www.w3.org/2001/XMLSchema"

```

```

          Q24 EPP Schema Files
      elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:iana:xml:ns:eppcom-1.0"
           schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:iana:xml:ns:epp-1.0"
           schemaLocation="epp-1.0.xsd"/>

<annotation>
  <documentation>
    Extensible Provisioning Protocol v1.0
    example unspecified extension provisioning schema.
  </documentation>
</annotation>

<!--
Types used within an EPP greeting.
-->
<element name="svc"/>

<!--
Define custom elements and types here.
-->

<!--
End of schema.
-->
</schema>
#####
##### New Schema #####
#####

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

<schema targetNamespace="urn:ietf:params:xml:ns:secDNS-1.0"
        xmlns:secDNS="urn:ietf:params:xml:ns:secDNS-1.0"
        xmlns="http://www.w3.org/2001/XMLSchema"
        elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:domain-1.0"
           schemaLocation="domain-1.0.xsd"/>

<annotation>
  <documentation>
    Extensible Provisioning Protocol v1.0
    domain name extension schema for provisioning
    DNS security (DNSSEC) extensions.
  </documentation>
</annotation>

<!--
Child elements found in EPP commands.
-->
<element name="create" type="secDNS:dsType"/>
<element name="update" type="secDNS:updateType"/>

<!--
Child elements of the <create> command.
-->
<complexType name="dsType">
  <sequence>
    <element name="dsData" type="secDNS:dsDataType"
           maxOccurs="unbounded"/>

```

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```

        </sequence>
    </complexType>

    <complexType name="dsDataType">
        <sequence>
            <element name="keyTag" type="unsignedShort"/>
            <element name="alg" type="unsignedByte"/>
            <element name="digestType" type="unsignedByte"/>
            <element name="digest" type="hexBinary"/>
            <element name="maxSigLife" type="secDNS:maxSigLifeType"
                minOccurs="0"/>
            <element name="keyData" type="secDNS:keyDataType"
                minOccurs="0"/>
        </sequence>
    </complexType>

    <simpleType name="maxSigLifeType">
        <restriction base="int">
            <minInclusive value="1"/>
        </restriction>
    </simpleType>

    <complexType name="key DataType">
        <sequence>
            <element name="flags" type="unsignedShort"/>
            <element name="protoCol" type="unsignedByte"/>
            <element name="alg" type="unsignedByte"/>
            <element name="pubKey" type="secDNS:keyType"/>
        </sequence>
    </complexType>

    <simpleType name="keyType">
        <restriction base="base64Binary">
            <minLength value="1"/>
        </restriction>
    </simpleType>

<!-- Child elements of the &lt;update&gt; command.
--&gt;
    &lt;complexType name="updateType"&gt;
        &lt;choice&gt;
            &lt;element name="add" type="secDNS:dsType"/&gt;
            &lt;element name="chg" type="secDNS:dsType"/&gt;
            &lt;element name="rem" type="secDNS:remType"/&gt;
        &lt;/choice&gt;
        &lt;attribute name="urgent" type="boolean" default="false"/&gt;
    &lt;/complexType&gt;

    &lt;complexType name="remType"&gt;
        &lt;sequence&gt;
            &lt;element name="keyTag" type="unsignedShort"
                maxOccurs="unbounded"/&gt;
        &lt;/sequence&gt;
    &lt;/complexType&gt;

<!-- Child response elements.
--&gt;
    &lt;element name="infData" type="secDNS:dsType"/&gt;

<!-- End of schema.
--&gt;
&lt;/schema&gt;
#####
##### New Schema #####
#####
</pre>

```

```

Q24 EPP Schema Files
<?xml version="1.0" encoding="UTF-8"?>
<schema targetNamespace="urn:ietf:params:xml:ns:svcsub-1.0"
  xmlns:svcsub="urn:ietf:params:xml:ns:svcsub-1.0"
  xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
  xmlns="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
  schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:epp-1.0"
  schemaLocation="epp-1.0.xsd"/>

<annotation>
  <documentation>
    Extensible Provisioning Protocol v1.0
    service subscription provisioning schema.
  </documentation>
</annotation>

<!--
Child elements found in EPP commands.
-->
<element name="check" type="svcsub:mNameType"/>
<element name="create" type="svcsub:createType"/>
<element name="delete" type="svcsub:sNameType"/>
<element name="info" type="svcsub:sNameType"/>
<element name="renew" type="svcsub:renewType"/>
<element name="transfer" type="svcsub:transferType"/>
<element name="update" type="svcsub:updateType"/>

<!--
Child elements of the <create> command.
-->
<complexType name="createType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType"/>
    <element name="param" type="svcsub:svcParamType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="period" type="svcsub:periodType"
      minOccurs="0"/>
    <element name="registrant" type="eppcom:cIDType"
      minOccurs="0"/>
    <element name="contact" type="svcsub:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="authInfo" type="svcsub:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="periodType">
  <simpleContent>
    <extension base="svcsub:pLimitType">
      <attribute name="unit" type="svcsub:pUnitType"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="pLimitType">
  <restriction base="unsignedShort">
    <minInclusive value="1"/>
    <maxInclusive value="99"/>

```

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```
</restriction>
</simpleType>

<simpleType name="pUnitType">
  <restriction base="token">
    <enumeration value="y"/>
    <enumeration value="m"/>
  </restriction>
</simpleType>

<complexType name="contactType">
  <simpleContent>
    <extension base="eppcom:cIDType">
      <attribute name="type" type="svcsu:contactAttrType"
        use="optional"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="contactAttrType">
  <restriction base="token">
    <enumeration value="admin"/>
    <enumeration value="billing"/>
    <enumeration value="tech"/>
    <enumeration value="primary"/>
    <enumeration value="secondary"/>
    <enumeration value="bizlock"/>
    <!--minLength value="3"/>
    <maxLength value="64"/><!--
    &lt;/restriction&gt;
&lt;/simpleType&gt;

&lt;complexType name="authInfoType"&gt;
  &lt;choice&gt;
    &lt;element name="pw" type="eppcom:pwAuthInfoType"/&gt;
    &lt;element name="ext" type="eppcom:extAuthInfoType"/&gt;
  &lt;/choice&gt;
&lt;/complexType&gt;

&lt;simpleType name="subIDType"&gt;
  &lt;restriction base="token"&gt;
    &lt;minLength value="3"/&gt;
    &lt;maxLength value="64"/&gt;
  &lt;/restriction&gt;
&lt;/simpleType&gt;

&lt;simpleType name="svcIDType"&gt;
  &lt;restriction base="token"&gt;
    &lt;minLength value="3"/&gt;
    &lt;maxLength value="64"/&gt;
  &lt;/restriction&gt;
&lt;/simpleType&gt;

&lt;complexType name="svcParamType"&gt;
  &lt;simpleContent&gt;
    &lt;extension base="token"&gt;
      &lt;attribute name="name" type="svcsu:svcParamAttrType"
        use="required"/&gt;
    &lt;/extension&gt;
  &lt;/simpleContent&gt;
&lt;/complexType&gt;

&lt;simpleType name="svcParamAttrType"&gt;
  &lt;restriction base="token"&gt;
    &lt;/restriction&gt;
&lt;/simpleType&gt;

&lt;simpleType name="userIDType"&gt;</pre>
```

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```

<restriction base="token">
  <minLength value="3"/>
  <maxLength value="64"/>
</restriction>
</simpleType>

<!--
Child element of commands that require a single name.
-->
<complexType name="sNameType">
  <sequence>
    <element name="id" type="svcs:subIDType"/>
    <element name="service" type="svcs:svcIDType"
      minOccurs="0"/>
    <element name="userid" type="svcs:userIDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcs:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child element of commands that accept multiple names.
-->
<complexType name="mNameType">
  <sequence>
    <element name="service" type="svcs:svcIDType"
      minOccurs="0"/>
    <element name="id" type="svcs:subIDType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>

<!--
Child elements of the <renew> command.
-->
<complexType name="renewType">
  <sequence>
    <element name="id" type="svcs:subIDType"/>
    <element name="service" type="svcs:svcIDType"
      minOccurs="0"/>
    <element name="curExpDate" type="date"/>
    <element name="period" type="svcs:periodType"
      minOccurs="0"/>
    <element name="userid" type="svcs:userIDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcs:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <transfer> command.
-->
<complexType name="transferType">
  <sequence>
    <element name="id" type="svcs:subIDType"/>
    <element name="service" type="svcs:svcIDType"
      minOccurs="0"/>
    <element name="period" type="svcs:periodType"
      minOccurs="0"/>
    <element name="userid" type="svcs:userIDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcs:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>
```

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```
<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
  <sequence>
    <element name="id" type="svcsu:subIDType"/>
    <element name="service" type="svcsu:svcIDType"
      minOccurs="0"/>
    <choice minOccurs="1" maxOccurs="3">
      <element name="add" type="svcsu:addRemType"
        minOccurs="0"/>
      <element name="rem" type="svcsu:addRemType"
        minOccurs="0"/>
      <element name="chg" type="svcsu:chgType"
        minOccurs="0"/>
    </choice>
    <element name="userid" type="svcsu:userIDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcsu:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data elements that can be added or removed.
-->
<complexType name="addRemType">
  <choice minOccurs="1" maxOccurs="3">
    <element name="param" type="svcsu:svcParamType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="contact" type="svcsu:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="status" type="svcsu:statusType"
      minOccurs="0" maxOccurs="14"/>
  </choice>
</complexType>

<!--
Data elements that can be changed.
-->
<complexType name="chgType">
  <sequence>
    <element name="registrant" type="eppcom:c1IDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcsu:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child response elements.
-->
<element name="chkData" type="svcsu:chkDataType"/>
<element name="creData" type="svcsu:creDataType"/>
<element name="infData" type="svcsu:infDataType"/>
<element name="panData" type="svcsu:panDataType"/>
<element name="renData" type="svcsu:renDataType"/>
<element name="trnData" type="svcsu:trnDataType"/>

<!--
<check> response elements.
-->
<complexType name="chkDataType">
  <sequence>
    <element name="service" type="svcsu:svcIDType"
      minOccurs="0"/>
    <element name="cd" type="svcsu:checkType"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>
```

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```
</sequence>
</complexType>

<complexType name="checkType">
  <sequence>
    <element name="id" type="svcsu:checkIDType"/>
    <element name="reason" type="eppcom:reasonType"
      minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="checkIDType">
  <simpleContent>
    <extension base="eppcom:c1IDType">
      <attribute name="avail" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<create> and <renew> response elements.
-->
<complexType name="creDataType">
  <sequence>
    <element name="id" type="svcsu:subIDType"/>
    <element name="service" type="svcsu:svcIDType"
      minOccurs="0"/>
    <element name="crDate" type="dateTime"/>
    <element name="exDate" type="dateTime"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
<info> response elements.
-->
<complexType name="infDataType">
  <sequence>
    <element name="id" type="svcsu:subIDType"/>
    <element name="roid" type="eppcom:roidType"/>
    <element name="status" type="svcsu:statusType"
      maxOccurs="14"/>
    <element name="registrant" type="svcsu:contactType"
      minOccurs="0"/>
    <element name="contact" type="svcsu:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="service" type="svcsu:svcIDType"/>
    <element name="param" type="svcsu:svcParamType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="c1ID" type="eppcom:c1IDType"/>
    <element name="crID" type="eppcom:c1IDType"/>
    <element name="crDate" type="dateTime"/>
    <element name="upID" type="eppcom:c1IDType"
      minOccurs="0"/>
    <element name="upDate" type="dateTime"
      minOccurs="0"/>
    <element name="exDate" type="dateTime"
      minOccurs="0"/>
    <element name="trDate" type="dateTime"
      minOccurs="0"/>
    <element name="authInfo" type="svcsu:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Status is a combination of attributes and an optional human-readable
-->
```

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```

message that may be expressed in languages other than English.
-->
<complexType name="statusType">
  <simpleContent>
    <extension base="normalizedString">
      <attribute name="s" type="svcs:statusValueType"
        use="required"/>
      <attribute name="lang" type="language"
        use="optional" default="en"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="statusValueType">
  <restriction base="token">
    <enumeration value="clientDeleteProhibited"/>
    <enumeration value="clientSuspended"/>
    <enumeration value="clientRenewProhibited"/>
    <enumeration value="clientTransferProhibited"/>
    <enumeration value="clientUpdateProhibited"/>
    <enumeration value="inactive"/>
    <enumeration value="ok"/>
    <enumeration value="pendingDelete"/>
    <enumeration value="pendingTransfer"/>
    <enumeration value="pendingVerification"/>
    <enumeration value="serverDeleteProhibited"/>
    <enumeration value="serverSuspended"/>
    <enumeration value="serverRenewProhibited"/>
    <enumeration value="serverTransferProhibited"/>
    <enumeration value="serverUpdateProhibited"/>
  </restriction>
</simpleType>

<!--
Pending action notification response elements.
-->
<complexType name="panDataType">
  <sequence>
    <element name="id" type="svcs:paSubIDType"/>
    <element name="service" type="svcs:svcIDType"
      minOccurs="0"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>

<complexType name="paSubIDType">
  <simpleContent>
    <extension base="svcs:subIDType">
      <attribute name="paResult" type="boolean"
        use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<renew> response elements.
-->
<complexType name="renDataType">
  <sequence>
    <element name="id" type="svcs:subIDType"/>
    <element name="service" type="svcs:svcIDType"
      minOccurs="0"/>
    <element name="exDate" type="dateTime"
      minOccurs="0"/>
  </sequence>
</complexType>
```

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```
<!--  
<transfer> response elements.  
-->  
  <complexType name="trnDataType">  
    <sequence>  
      <element name="id" type="svcs:subIDType"/>  
      <element name="service" type="svcs:svcIDType"  
        minOccurs="0"/>  
      <element name="trStatus" type="eppcom:trStatusType"/>  
      <element name="reID" type="eppcom:cIDType"/>  
      <element name="reDate" type="dateTime"/>  
      <element name="acID" type="eppcom:cIDType"/>  
      <element name="acDate" type="dateTime"/>  
      <element name="exDate" type="dateTime"  
        minOccurs="0"/>  
    </sequence>  
  </complexType>  
  
<!--  
End of schema.  
-->  
</schema>
```