

Internet Engineering Task Force
Internet-Draft
Intended status: Standards Track
Expires: November 13, 2017

L. Zhou
N. Kong
J. Wei
X. Lee
CNNIC
J. Gould
VeriSign, Inc.
May 12, 2017

Organization Extension for the Extensible Provisioning Protocol (EPP)
draft-ietf-regext-org-ext-00

Abstract

This mapping, an extension to EPP object mappings like the EPP domain name mapping [[RFC5731](#)], to support assigning an organization to any existing object (domain, host, contact) as well as any future objects. Specified in Extensible Markup Language (XML), this extended mapping is applied to provide additional features required for the provisioning of organizations.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of [BCP 78](#) and [BCP 79](#).

Internet-Drafts are working documents of the Internet Engineering Task Force (IETF). Note that other groups may also distribute working documents as Internet-Drafts. The list of current Internet-Drafts is at <http://datatracker.ietf.org/drafts/current/>.

Internet-Drafts are draft documents valid for a maximum of six months and may be updated, replaced, or obsoleted by other documents at any time. It is inappropriate to use Internet-Drafts as reference material or to cite them other than as "work in progress."

This Internet-Draft will expire on November 13, 2017.

Copyright Notice

Copyright (c) 2017 IETF Trust and the persons identified as the document authors. All rights reserved.

This document is subject to [BCP 78](#) and the IETF Trust's Legal Provisions Relating to IETF Documents (<http://trustee.ietf.org/license-info>) in effect on the date of publication of this document. Please review these documents

carefully, as they describe your rights and restrictions with respect to this document. Code Components extracted from this document must include Simplified BSD License text as described in Section 4.e of the Trust Legal Provisions and are provided without warranty as described in the Simplified BSD License.

This document may contain material from IETF Documents or IETF Contributions published or made publicly available before November 10, 2008. The person(s) controlling the copyright in some of this material may not have granted the IETF Trust the right to allow modifications of such material outside the IETF Standards Process. Without obtaining an adequate license from the person(s) controlling the copyright in such materials, this document may not be modified outside the IETF Standards Process, and derivative works of it may not be created outside the IETF Standards Process, except to format it for publication as an RFC or to translate it into languages other than English.

Table of Contents

1.	Introduction	3
2.	Conventions Used in This Document	3
3.	Object Attributes	4
3.1.	Organization Identifier	4
4.	EPP Command Mapping	4
4.1.	EPP Query Commands	4
4.1.1.	EPP <check> Command	4
4.1.2.	EPP <info> Command	4
4.1.3.	EPP <transfer> Command	7
4.2.	EPP Transform Commands	7
4.2.1.	EPP <create> Command	7
4.2.2.	EPP <delete> Command	8
4.2.3.	EPP <renew> Command	8
4.2.4.	EPP <transfer> Command	9
4.2.5.	EPP <update> Command	9
5.	Formal Syntax	11
6.	Internationalization Considerations	13
7.	IANA Considerations	13
7.1.	XML Namespace	14
7.2.	EPP Extension Registry	14
8.	Security Considerations	14
9.	Acknowledgement	15
10.	References	15

10.1.	Normative References	15
10.2.	Informative References	16
Appendix A.	Change Log	16
	Authors' Addresses	17

[1.](#) Introduction

In the business model of domain registration, we usually have 3 roles of entities, a registrant, a registrar and a registry. There may have some other roles of entities involved in the domain registration process which are not formally defined, such as resellers, DNS service operators, privacy proxy, etc.

A domain reseller is an individual or a company that acts as a agent for accredited registrars. A third-party DNS service operator is responsible for a zone where the operator is neither the registrant nor the registrar of records for the delegation. And a privacy proxy is an entity that provides with individuals or organizations domain registration without exposing their private information. These kind of entities are defined as "organizations" with different role types in this document.

In order to facilitate provisioning and management of organization information in a shared central repository, this document proposes a organization extension mapping for any EPP object like domain names in [[RFC5731](#)], hosts in [[RFC5732](#)] and contacts in [[RFC5733](#)]. The examples provided in this document are used for the domain object for illustration purpose. The host and contact object could be extended in the same way with the domain object.

A organization mapping object defined in [[ID.draft-ietf-regext-org](#)] SHOULD be created first. The organization information specified in this document MUST reference the existing organization identifier.

This document is specified using the XML 1.0 as described in [[W3C.REC-xml-20040204](#)] and XML Schema notation as described in [[W3C.REC-xmlschema-1-20041028](#)] and [[W3C.REC-xmlschema-2-20041028](#)].

[2.](#) Conventions Used in This Document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT",

"SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [[RFC2119](#)].

In examples, "C:" represents lines sent by a protocol client and "S:" represents lines returned by a protocol server. Indentation and white space in examples are provided only to illustrate element relationships and are not a REQUIRED feature of this specification.

XML is case sensitive. Unless stated otherwise, XML specifications and examples provided in this document MUST be interpreted in the character case presented to develop a conforming implementation.

orgext-1.0 in this document is used as an abbreviation for urn:ietf:params:xml:ns:orgext-1.0.

[3.](#) Object Attributes

This extension adds additional elements to the EPP domain name mapping [[RFC5731](#)]. Only the new elements are described here.

[3.1.](#) Organization Identifier

Organization identifier provides the ID of an organization. Its corresponding element is <orgext:id> which refers to the <organization:id> element defined in [ID.[draft-ietf-regext-org](#)]. All organization objects are identified by a server-unique identifier.

[4.](#) EPP Command Mapping

A detailed description of the EPP syntax and semantics can be found in the EPP core protocol specification [[RFC5730](#)]. The command mappings described here are specifically for use in provisioning and managing organization information via EPP.

[4.1.](#) EPP Query Commands

EPP provides three commands to retrieve domain information: <check> to determine if a domain object can be provisioned within a repository, <info> to retrieve detailed information associated with a domain object, and <transfer> to retrieve domain-object transfer status information.

[4.1.1.](#) EPP <check> Command

This extension does not add any elements to the EPP <check> command or <check> response described in the EPP domain name mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)].

[4.1.2.](#) EPP <info> Command

This extension does not add any element to the EPP <info> command described in the EPP domain mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)]. However, additional elements are defined for the <info> response.

Example <info> command:

```
C:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
C:  <command>
C:    <info>
C:      <domain:info
C:        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
C:        <domain:name>example.com</domain:name>
C:        <domain:authInfo>
C:          <domain:pw>fooBAR</domain:pw>
C:        </domain:authInfo>
C:      </domain:info>
C:    </info>
C:  <clTRID>ngcl-mIFICBNP</clTRID>
C: </command>
C:</epp>
```

When an <info> command has been processed successfully, the EPP <resData> element MUST contain child elements as described in the EPP object extensions. In addition, the EPP <extension> element SHOULD contain a child <orgext:infData> element that identifies the extension namespace if the object has data associated with this extension and based on its service policy. The <orgext:infData>

element contains the following child elements:

- o A <orgext:id> element that contains the identifier of the organization. An attribute "role" associated with <orgext:id> is used to represent the relationship an organization would have. See [Section 7.3](#) in [ID.draft-ietf-regext-org] for a list of values.

Example <info> response for an authorized client:

```
S:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
S:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
S:  <response>
S:    <result code="1000">
S:      <msg lang="en-US">Command completed successfully</msg>
S:    </result>
S:    <resData>
S:      <domain:infData
S:        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
S:        <domain:name>example.com</domain:name>
S:        <domain:roid>EXAMPLE1-REP</domain:roid>
S:        <domain:status s="ok"/>
S:        <domain:registrant>jd1234</domain:registrant>
S:        <domain:contact type="admin">sh8013</domain:contact>
S:        <domain:contact type="billing">sh8013</domain:contact>
```

```

S:      <domain:contact type="tech">sh8013</domain:contact>
S:      <domain:ns>
S:        <domain:hostObj>ns1.example.com</domain:hostObj>
S:      </domain:ns>
S:      <domain:clID>ClientX</domain:clID>
S:      <domain:crID>ClientY</domain:crID>
S:      <domain:crDate>2015-02-06T04:01:21.0Z</domain:crDate>
S:      <domain:exDate>2018-02-06T04:01:21.0Z</domain:exDate>
S:      <domain:authInfo>
S:        <domain:pw>2fooBAR</domain:pw>
S:      </domain:authInfo>
S:    </domain:infData>
S:  </resData>
S:  <extension>
S:    <orgext:infData
S:      xmlns:orgext="urn:ietf:params:xml:ns:orgext-1.0">
S:      <orgext:id role="reseller">myreseller</orgext:id>
S:      <orgext:id role="privacyproxy">myproxy</orgext:id>
S:    </orgext:infData>
S:  </extension>
S:  <trID>
S:    <clTRID>ngcl-IvJjzMZc</clTRID>
S:    <svTRID>test142AWQONJZ</svTRID>
S:  </trID>
S: </response>
S:</epp>

```

An EPP error response MUST be returned if an <info> command cannot be processed for any reason.

4.1.3. EPP <transfer> Command

This extension does not add any elements to the EPP <transfer> command or <transfer> response described in the EPP domain name mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)].

4.2. EPP Transform Commands

EPP provides five commands to transform domain objects: <create> to create an instance of a domain object, <delete> to delete an instance of a domain object, <renew> to extend the validity period of a domain object, <transfer> to manage domain object sponsorship changes, and <update> to change information associated with a domain object.

[4.2.1.](#) EPP <create> Command

This extension defines additional elements for the EPP <create> command described in the EPP object extensions. No additional elements are defined for the EPP <create> response.

The EPP <create> command provides a transform operation that allows a client to create an object. In addition to the EPP command elements described in the EPP object extensions, the command MUST contain an <extension> element, and the <extension> element MUST contain a child <orgext:create> element that identifies the extension namespace if the client wants to associate data defined in this extension to the object. The <orgext:create> element contains the following child elements:

- o A <orgext:id> element that contains the identifier of the organization. An attribute "role" associated with <orgext:id> is used to represent the relationship an organization would have. See [Section 7.3](#) in [ID.draft-ietf-regext-org] for a list of values.

Example <create> Command:


```

C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
C:  <command>
C:    <create>
C:      <domain:create
C:        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
C:          <domain:name>example.com</domain:name>
C:          <domain:period unit="y">3</domain:period>
C:          <domain:ns>
C:            <domain:hostObj>ns1.example.com</domain:hostObj>
C:          </domain:ns>
C:          <domain:registrant>jd1234</domain:registrant>
C:          <domain:contact type="tech">sh8013</domain:contact>
C:          <domain:contact type="billing">sh8013</domain:contact>
C:          <domain:contact type="admin">sh8013</domain:contact>
C:          <domain:authInfo>
C:            <domain:pw roid="dddd-dddd">fooBAR</domain:pw>
C:          </domain:authInfo>
C:        </domain:create>
C:      </create>
C:    <extension>
C:      <orgext:create
C:        xmlns:orgext="urn:ietf:params:xml:ns:orgext-1.0">
C:          <orgext:id role="reseller">myreseller</orgext:id>
C:        </orgext:create>
C:      </extension>
C:    <clTRID>ABC-12345</clTRID>
C:  </command>
C:</epp>

```

When a <create> command has been processed successfully, the EPP response is as described in the EPP object extension.

An EPP error response MUST be returned if a <create> command cannot be processed for any reason.

4.2.2. EPP <delete> Command

This extension does not add any elements to the EPP <delete> command or <delete> response described in the EPP domain mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)].

4.2.3. EPP <renew> Command

This extension does not add any elements to the EPP <renew> command or <renew> response described in the EPP domain mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)].

[4.2.4.](#) EPP <transfer> Command

This extension does not add any elements to the EPP <transfer> command or <transfer> response described in the EPP domain mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)], but after a successful transfer of an object with an assigned organization, the handling of the assigned organization is dependent on the organization roles and server policy.

[4.2.5.](#) EPP <update> Command

This extension defines additional elements for the EPP <update> command described in the EPP domain mapping [[RFC5731](#)], host mapping [[RFC5732](#)] and contact mapping [[RFC5733](#)]. No additional elements are defined for the EPP <update> response.

The EPP <update> command provides a transform operation that allows a client to modify the attributes of a domain object. In addition to the EPP command elements described in the EPP domain mapping, the command MUST contain an <extension> element, and the <extension> element MUST contain a child <orgext:update> element that identifies the extension namespace if the client wants to update the domain object with data defined in this extension. The <orgext:update> element contains the following child elements:

- o An OPTIONAL <orgext:add> element that contains attribute values to be added to the object.
- o An OPTIONAL <orgext:rem> element that contains attribute values to be removed from the object.
- o An OPTIONAL <orgext:chg> element that contains attribute values to be changed.

At least one and only one <orgext:add>, <orgext:rem> or <orgext:rem> element MUST be provided. The <orgext:add>, <orgext:rem> and <orgext:rem> elements contain the following child element:

- o A <orgext:id> element that contains the identifier of the organization. An attribute "role" associated with <orgext:id> is used to represent the relationship an organization would have. See [Section 7.3](#) in [ID.draft-ietf-regext-org] for a list of values.

Example <update> command, adding a reseller:

```
C:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
C:  <command>
C:    <update>
C:      <domain:update
C:        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
C:        <domain:name>example.com</domain:name>
C:      </domain:update>
C:    </update>
C:  <extension>
C:    <orgext:update
C:      xmlns:orgext="urn:ietf:params:xml:ns:orgext-1.0">
C:      <orgext:add>
C:        <orgext:id role="reseller">myreseller</orgext:id>
C:      </orgext:add>
C:    </orgext:update>
C:  </extension>
C:  <clTRID>ABC-12345</clTRID>
C: </command>
C:</epp>
```

Example <update> command, removing a reseller:

```
C:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
C:  <command>
C:    <update>
C:      <domain:update
C:        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
C:        <domain:name>example.com</domain:name>
C:      </domain:update>
C:    </update>
C:  <extension>
C:    <orgext:update
C:      xmlns:orgext="urn:ietf:params:xml:ns:orgext-1.0">
C:      <orgext:rem>
C:        <orgext:id role="reseller">myreseller</orgext:id>
C:      </orgext:rem>
```

```
C:      </orgext:update>
C:      </extension>
C:      <clTRID>ABC-12345</clTRID>
C:    </command>
C:</epp>
```

Example <update> command, updating reseller identifier:

```
C:<?xml version="1.0" encoding="UTF-8" standalone="no"?>
C:<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
C:  <command>
C:    <update>
C:      <domain:update
C:        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
C:        <domain:name>example.com</domain:name>
C:      </domain:update>
C:    </update>
C:    <extension>
C:      <orgext:update
C:        xmlns:orgext="urn:ietf:params:xml:ns:orgext-1.0">
C:        <orgext:chg>
C:          <orgext:id role="reseller">myreseller</orgext:id>
C:        </orgext:chg>
C:      </orgext:update>
C:    </extension>
C:    <clTRID>ABC-12345</clTRID>
C:  </command>
C:</epp>
```

When an extended <update> command has been processed successfully, the EPP response is as described in the EPP object extension.

5. Formal Syntax

An EPP object mapping is specified in XML Schema notation. The formal syntax presented here is a complete schema representation of the object mapping suitable for automated validation of EPP XML instances. The BEGIN and END tags are not part of the schema; they are used to note the beginning and ending of the schema for URI registration purposes.

```

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

<schema targetNamespace="urn:ietf:params:xml:ns:orgext-1.0"
  xmlns:orgext="urn:ietf:params:xml:ns:orgext-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
    Organization Extension Schema v1.0
  </documentation>
</annotation>

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

<!-- Child elements of the <orgext:create> command
All elements must be present at time of creation
-->
<complexType name="createType">
  <sequence>
    <!-- agent identifier or the organization,
    e.g. registrar, reseller, privacy proxy, etc. -->
    <element name="id" type="eppcom:clIDType"/>
  </sequence>

```

```

    <attribute name="role"
      type="token" use="required"/>
  </complexType>

<!--
Child elements of <orgext:update> command
-->

<complexType name="updateType">
  <sequence>
    <element name="add"
      type="orgext:addRemChgType" minOccurs="0"/>
    <element name="rem"
      type="orgext:addRemChgType" minOccurs="0"/>
    <element name="chg"
      type="orgext:addRemChgType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="addRemChgType">
  <sequence>
    <!-- agent identifier the organization,
    e.g. registrar, reseller, privacy proxy, etc. -->

```

```

    <element name="id" type="eppcom:clIDType" minOccurs="0"/>
  </sequence>
  <attribute name="role"
    type="token" use="required"/>
</complexType>

<!-- Child response element -->

<element name="infData" type="orgext:infDataType"/>

<!-- <orgext:infData> response elements -->

<complexType name="infDataType">
  <sequence>
    <!-- agent identifier the organization,
    e.g. registrar, reseller, privacy proxy, etc. -->
    <element name="id"
      type="eppcom:clIDType" minOccurs="0"/>

```

```
</sequence>
  <attribute name="role"
    type="token" use="required"/>
</complexType>

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

6. Internationalization Considerations

EPP is represented in XML, which provides native support for encoding information using the Unicode character set and its more compact representations including UTF-8. Conformant XML processors recognize both UTF-8 and UTF-16. Though XML includes provisions to identify and use other character encodings through use of an "encoding" attribute in an `<?xml?>` declaration, use of UTF-8 is RECOMMENDED.

As an extension of the EPP domain name mapping, the elements, element content described in this document MUST inherit the internationalization conventions used to represent higher-layer domain and core protocol structures present in an XML instance that includes this extension.

7. IANA Considerations

7.1. XML Namespace

This document uses URNs to describe XML namespaces and XML schemas conforming to a registry mechanism described in [[RFC3688](#)]. IANA is requested to assignment the following URI.

Registration request for the organization namespace:

- o URI: urn:ietf:params:xml:ns:orgext-1.0
- o Registrant Contact: See the "Author's Address" section of this

document.

- o XML: See the "Formal Syntax" section of this document.

[7.2.](#) EPP Extension Registry

The EPP extension described in this document should be registered by the IANA in the EPP Extension Registry described in [[RFC7451](#)]. The details of the registration are as follows:

Name of Extension: Organization Extension

Document status: Standards Track

Reference: (insert reference to RFC version of this document)

Registrant Name and Email Address: See the "Author's Address" section of this document.

TLDs: any

IPR Disclosure: none

Status: active

Notes: none

[8.](#) Security Considerations

The object mapping extension described in this document does not provide any other security services or introduce any additional considerations beyond those described by [[RFC5730](#)], [[RFC5731](#)], [[RFC5732](#)] and [[RFC5733](#)] or those caused by the protocol layers used by EPP.

[9.](#) Acknowledgement

The authors would like to thank Rik Ribbers, Marc Groeneweg, Patrick Mevzek, Antoin Verschuren and Scott Hollenbeck for their careful

review and valuable comments.

10. References

10.1. Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), DOI 10.17487/RFC2119, March 1997, <<http://www.rfc-editor.org/info/rfc2119>>.
- [RFC3688] Mealling, M., "The IETF XML Registry", [BCP 81](#), [RFC 3688](#), DOI 10.17487/RFC3688, January 2004, <<http://www.rfc-editor.org/info/rfc3688>>.
- [RFC5730] Hollenbeck, S., "Extensible Provisioning Protocol (EPP)", STD 69, [RFC 5730](#), DOI 10.17487/RFC5730, August 2009, <<http://www.rfc-editor.org/info/rfc5730>>.
- [RFC5731] Hollenbeck, S., "Extensible Provisioning Protocol (EPP) Domain Name Mapping", STD 69, [RFC 5731](#), DOI 10.17487/RFC5731, August 2009, <<http://www.rfc-editor.org/info/rfc5731>>.
- [RFC5732] Hollenbeck, S., "Extensible Provisioning Protocol (EPP) Host Mapping", STD 69, [RFC 5732](#), DOI 10.17487/RFC5732, August 2009, <<http://www.rfc-editor.org/info/rfc5732>>.
- [RFC5733] Hollenbeck, S., "Extensible Provisioning Protocol (EPP) Contact Mapping", STD 69, [RFC 5733](#), DOI 10.17487/RFC5733, August 2009, <<http://www.rfc-editor.org/info/rfc5733>>.
- [RFC7451] Hollenbeck, S., "Extension Registry for the Extensible Provisioning Protocol", [RFC 7451](#), DOI 10.17487/RFC7451, February 2015, <<http://www.rfc-editor.org/info/rfc7451>>.
- [W3C.REC-xml-20040204] Bray, T., Paoli, J., Sperberg-McQueen, C., Maler, E., and F. Yergeau, "'Extensible Markup Language (XML) 1.0 (Third Edition)", World Wide Web Consortium FirstEdition REC-xml-20040204", February 2004, <<http://www.w3.org/TR/2004/REC-xml-20040204>>.

[W3C.REC-xmlschema-1-20041028]

Thompson, H., Beech, D., Maloney, M., and N. Mendelsohn, "XML Schema Part 1: Structures Second Edition", World Wide Web Consortium Recommendation REC-xmlschema-1-20041028", October 2004, <<http://www.w3.org/TR/2004/REC-xmlschema-1-20041028>>.

[W3C.REC-xmlschema-2-20041028]

Biron, P. and A. Malhotra, "XML Schema Part 2: Datatypes Second Edition", World Wide Web Consortium Recommendation REC-xmlschema-2-20041028", October 2004, <<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028>>.

10.2. Informative References

[ID.[draft-ietf-regext-org](http://tools.ietf.org/html/draft-ietf-regext-org)]

Zhou, L., Kong, N., Zhou, G., Lee, X., Gould, J., and S. Hollenbeck, "Extensible Provisioning Protocol (EPP) Reseller Mapping", Apr 2017, <<http://tools.ietf.org/html/draft-ietf-regext-org>>.

Appendix A. Change Log

Initial -00: Individual document submitted.

-01:

- * Updated abstract and introduction.
- * Revised typos in info response.
- * Added explanations on how to process reseller extension after successful transfer operation.
- * Modified <update> explanation.
- * Deleted reseller name element in <create> and <update> commands.
- * Removed some inaccurate comments from xml schema.
- * Modified the element name of reseller id and reseller name.

-02:

- * Changed author information.

Internet-Draft

Organization Extension for the EPP

May 2017

- * Updated xml typos <reseller:infData> to <resellerext:infData> in <info> response.

-03:

- * Changed author information.
- * Updated [section 3.1](#).
- * Removed reseller name element in <info> response.
- * Added acknowledgement.
- * Revised the typo "resellerr" to "resellerext".

WG document-00: WG document submitted

WG document-01: Keep document alive for further discussion. The requirement of reseller information is clear for both registrar and registry. What we should reach a consensus is whether the extension should support only a name or ID and name.

Organization WG document-00: Change to a generic organization object extension.

Authors' Addresses

Linlin Zhou
CNNIC
4 South 4th Street, Zhongguancun, Haidian District
Beijing, Beijing 100190
China

Phone: +86 10 5881 2677
Email: zhoulinlin@cnnic.cn

Ning Kong
CNNIC
4 South 4th Street, Zhongguancun, Haidian District

Beijing, Beijing 100190
China

Phone: +86 10 5881 3147

Email: nkong@cnnic.cn

Zhou, et al.

Expires November 13, 2017

[Page 17]

Internet-Draft

Organization Extension for the EPP

May 2017

Junkai Wei
CNNIC
4 South 4th Street, Zhongguancun, Haidian District
Beijing, Beijing 100190
China

Phone: +86 10 5881 3494

Email: weijunkai@cnnic.cn

Xiaodong Lee
CNNIC
4 South 4th Street, Zhongguancun, Haidian District
Beijing, Beijing 100190
China

Phone: +86 10 5881 3020

Email: xl@cnnic.cn

James Gould
VeriSign, Inc.
12061 Bluemont Way
Reston, VA 20190
US

Email: jgould@verisign.com

