

## Schema Design – Notifications

### **GDAR Design**

December 17, 2003

# Table of Contents

<b>Schema Specifications – Gas Supply Change Notification.....</b>	<b>5</b>
1.1 <i>STRDocument</i> .....	5
1.1.1   TradingPartnerDirectory .....	6
1.1.1.1   Sender .....	7
1.1.1.2   Recipient .....	7
1.1.1.2.1   TradingPartner .....	8
1.1.1.2.1.1   CompanyID .....	8
1.1.1.2.1.2   CompanyName .....	9
1.1.2   GasSupplyChangeNotification .....	10
1.1.2.1   DeleteConsumerNotification .....	10
1.1.2.1.1   STRID .....	11
1.1.2.1.2   AccountNumber .....	11
1.1.2.1.3   EffectiveDate .....	12
1.1.2.1.4   Status .....	12
<b>Schema Specifications – SAC Notification .....</b>	<b>14</b>
1.2 <i>STRDocument</i> .....	14
1.2.1   TradingPartnerDirectory .....	15
1.2.1.1   Sender .....	16
1.2.1.2   Recipient .....	16
1.2.1.2.1   TradingPartner .....	17
1.2.1.2.1.1   CompanyID .....	17
1.2.1.2.1.2   CompanyName .....	18
1.2.2   SACNotification .....	19
1.2.3   ServiceAddressChange .....	19
1.2.3.1.1   STRID .....	20
1.2.3.1.2   CurrentService .....	21
1.2.3.1.3   FutureService .....	21
1.2.3.1.3.1   AccountNumber .....	22
1.2.3.1.3.2   AccountInformation .....	22
1.2.3.1.3.2.1   ConsumerName .....	23
1.2.3.1.3.2.1.1   FirstName .....	24
1.2.3.1.3.2.1.2   MiddleName .....	24
1.2.3.1.3.2.1.3   LastName .....	25
1.2.3.1.3.2.2   ServiceAddress .....	26
1.2.3.1.3.2.2.1   HouseNumber .....	27
1.2.3.1.3.2.2.2   HouseNumberSuffix .....	27
1.2.3.1.3.2.2.3   StreetName .....	28
1.2.3.1.3.2.2.4   StreetType .....	29
1.2.3.1.3.2.2.5   StreetDirection .....	29
1.2.3.1.3.2.2.6   UnitNumber .....	30
1.2.3.1.3.2.2.7   UnitType .....	31
1.2.3.1.3.2.2.8   City .....	31
1.2.3.1.3.2.2.9   Province .....	32
1.2.3.1.3.2.2.10   PostalCode .....	33
1.2.3.1.3.2.3   MailingAddress .....	33
1.2.3.1.3.2.3.1   MailingAddressLine1 .....	34
1.2.3.1.3.2.3.2   MailingAddressLine2 .....	35
1.2.3.1.3.2.3.3   MailingAddressLine3 .....	35
1.2.3.1.3.2.3.4   MailingAddressLine4 .....	36
1.2.3.1.3.2.4   MeterNumber .....	36

1.2.3.1.3.3	PoolContractID .....	37
1.2.3.1.3.4	PricePointID .....	38
1.2.3.1.4	EffectiveDate .....	38
1.2.3.1.5	Status .....	39
1.2.3.1.6	ConsumerDestination.....	39
1.2.3.1.7	SACGenSTRID .....	40
<b>Appendix A – Gas Supply Change Notification Schema .....</b>		<b>41</b>
<b>Appendix B – SAC Notification Schema .....</b>		<b>44</b>
<b>Appendix C – Gas Supply Change Notification XML Example.....</b>		<b>51</b>
<b>Appendix D – SAC Notification XML Example .....</b>		<b>52</b>

## Revision History

Date	Version	Description	Author
October 3, 2003	0.1	Initial Creation	Michael Benovich, Sapien Corporation
October 4, 2003	0.2	Internal Review revisions	Vu Pham-Tran, Sapien Corporation
October 5, 2003	0.3	Business Descriptions added	Vu Pham-Tran, Sapien Corporation
October 7, 2003	0.4	Schema Changes applied and examples updated to appendix	Vu Pham-Tran, Sapien Corporation
December 3, 2003	0.5	Removed Action attribute along with CurrentPricePointID and CurrentPoolContractID from schemas	Vu Pham-Tran, Sapien Corporation

# Schema Specifications – Gas Supply Change Notification

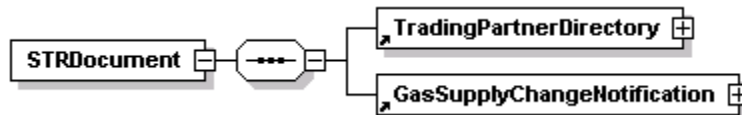
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

## 1.1 STRDocument

### Description

This is the root element of the transaction request and contains attributes that describe the XML document and the type of transaction that the XML document represents.

### Layout



### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"><li>None</li></ul>
Child Elements	<ul style="list-style-type: none"><li>TradingPartnerDirectory</li><li>GasSupplyChangeNotification</li></ul>
Type	xs:complexType
Facets	N/A
Source Design	<pre>&lt;xs:element name="STRDocument"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="TradingPartnerDirectory"/&gt;       &lt;xs:element ref="GasSupplyChangeNotification"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="Version" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:decimal"&gt;           &lt;xs:minInclusive value="0.0"/&gt;           &lt;xs:maxInclusive value="99999999.99"/&gt;           &lt;xs:fractionDigits value="3"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="DocumentDefinitionName" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="GasSupplyChangeNotification"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/&gt;     &lt;xs:attribute name="CreationDate" type="xs:date" use="required"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
Version	xs:decimal	required	N/A	The version of the XML schema that corresponds to this document. Currently, the

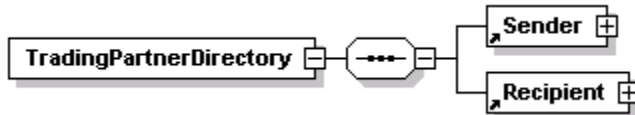
				version of the schema is 1.2
DocumentDefinitionName	xs:NMTOKEN	required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be:  <i>GasSupplyChangeNotification</i>
DistributorDocumentReference	xs:string	optional	N/A	This is the distributor's document tracking identifier of the report document. It will only be populated by Union Gas.
CreationDate	xs:date	required	YYYY-MM-DD	This is the creation date of the document.

### 1.1.1 TradingPartnerDirectory

#### Description

This is the header information containing the information on the parties involved in the transmission of the document.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>Sender</li> <li>Recipient</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre>&lt;xs:element name="TradingPartnerDirectory"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="Sender"/&gt;       &lt;xs:element ref="Recipient"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

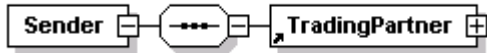
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.1.1 Sender

##### Description

This element contains information of the sender of the document. For this schema, the information belongs to the Distributor.

##### Layout



##### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"><li>TradingPartnerDirectory</li></ul>
Child Elements	<ul style="list-style-type: none"><li>TradingPartner</li></ul>
Type	xs:complexType
Facets	
Source Design	<pre>&lt;xs:element name="Sender"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="TradingPartner"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

##### Attribute Specifications

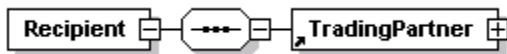
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.1.2 Recipient

##### Description

This element contains information of the recipient of the document. For this schema, the information belongs to the Vendor.

##### Layout



##### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"><li>TradingPartnerDirectory</li></ul>
Child Elements	<ul style="list-style-type: none"><li>TradingPartner</li></ul>
Type	xs:complexType
Facets	
Source Design	<pre>&lt;xs:element name="Recipient"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="TradingPartner"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

##### Attribute Specifications

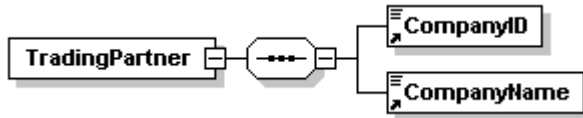
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.1.2.1 TradingPartner

##### Description

This element contains information of the sender or recipient of the document. For this schema, the sender information belongs to the Gas Distributor and the recipient information belongs to the Vendor.

##### Layout



##### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>Recipient</li> <li>Sender</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>CompanyID</li> <li>CompanyName</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	
<b>Source Design</b>	<pre> &lt;xs:element name="TradingPartner"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="CompanyID"/&gt;       &lt;xs:element ref="CompanyName"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="ParticipantType" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="Distributor"/&gt;           &lt;xs:enumeration value="Retailer"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

##### Attribute Specifications

Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = "Distributor" and the Recipient's ParticipantType = "Retailer".</p>

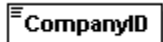
#### 1.1.1.2.1.1 CompanyID

##### Description



This element contains the unique identifier of the company identified by the TradingPartner. If the TradingPartner is the sender of the document for this particular schema type, the value listed is the Distributor's identifier for the Vendor.

## Layout



## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>TradingPartner</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	
<b>Source Design</b>	<pre>&lt;xs:element name="CompanyID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"/&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

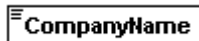
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.1.1.2.1.2 CompanyName

#### Description

This element contains the company's name, either the Vendor if it is the Recipient for this document type or the Distributor if is the Sender for this document type.

## Layout



## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>TradingPartner</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>minLength = 1</li> <li>maxLength = 300</li> </ul>
<b>Source Design</b>	<pre>&lt;xs:element name="CompanyName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="1"/&gt;       &lt;xs:maxLength value="300"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
------	------	-------	--------	-------------

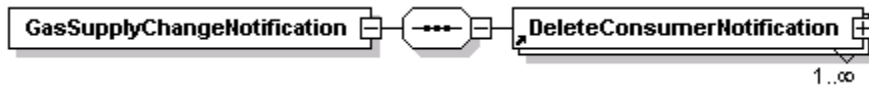
N/A	N/A	N/A	N/A	N/A
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### 1.1.2 GasSupplyChangeNotification

#### Description

This is the body element of the report. It contains the transaction specific information record(s) that will appear inside the body.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>DeleteconsumerNotification</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="GasSupplyChangeNotification"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="DeleteConsumerNotification" maxOccurs="unbounded"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

#### Attribute Specifications

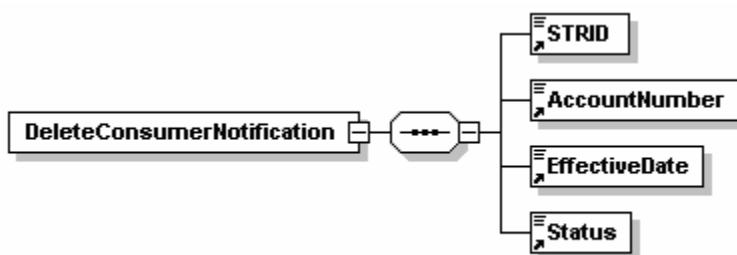
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2.1 DeleteConsumerNotification

#### Description

This is the container element for each consumer delete notification for the Vendor.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Unbounded
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>GasSupplyChangeNotification</li> </ul>

<b>Child Elements</b>	<ul style="list-style-type: none"> <li>▪ STRID</li> <li>▪ AccountNumber</li> <li>▪ EffectiveDate</li> <li>▪ Status</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="DeleteConsumerNotification"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="STRID"/&gt;       &lt;xs:element ref="AccountNumber"/&gt;       &lt;xs:element ref="EffectiveDate"/&gt;       &lt;xs:element ref="Status"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2.1.1 STRID

##### Description

This is the unique identifier for the transaction that triggered this notification.

##### Layout



##### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>▪ DeleteConsumerNotification</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>▪ None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>▪ Pattern = [0-9]{0,15}</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="STRID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[0-9]{0,15}"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2.1.2 AccountNumber

##### Description

This is the unique identifier for the account.

##### Layout

### AccountNumber

#### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>DeleteConsumerNotification</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:string
Facets	<ul style="list-style-type: none"><li>pattern = [0-9]{0,14}</li></ul>
Source Design	<pre>&lt;xs:element name="AccountNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[0-9]{0,14}" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2.1.3 EffectiveDate

##### Description

This is the date on which the consumer is to be removed from the Vendor.

##### Layout

### EffectiveDate

#### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>DeleteConsumerNotification</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:date
Facets	YYYY-MM-DD
Source Design	<pre>&lt;xs:element name="EffectiveDate" type="xs:date"/&gt;</pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2.1.4 Status

##### Description

This lists the current status of the STR request that triggered the notification. The enumerated value descriptions are as follows:

Pending:

The STR that has triggered this notification has yet to be fully processed.

Rescinded:

The STR has been rescinded either by the submitting vendor, consumer or an affected vendor on behalf of a consumer if applicable to the type of transaction.

Overwritten:

The STR has been overwritten by another processed STR whose effective date is the same or earlier than this STR.

## Layout



## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>DeleteConsumerNotification</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"><li>enumeration = Pending</li><li>enumeration = Rescinded</li><li>enumeration = Stopped</li><li>enumeration = Overwritten</li></ul>
<b>Source Design</b>	<pre>&lt;xs:element name="Status"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:enumeration value="Pending"/&gt;       &lt;xs:enumeration value="Rescinded"/&gt;       &lt;xs:enumeration value="Stopped"/&gt;       &lt;xs:enumeration value="Overwritten"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

# Schema Specifications – SAC Notification

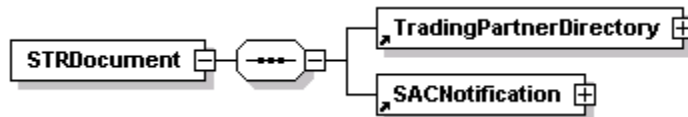
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

## 1.2 STRDocument

### Description

This is the root element of the transaction request and contains attributes that describe the XML document and the type of transaction that the XML document represents.

### Layout



### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"><li>None</li></ul>
Child Elements	<ul style="list-style-type: none"><li>TradingPartnerDirectory</li><li>SACNotification</li></ul>
Type	xs:complexType
Facets	N/A
Source Design	<pre>&lt;xs:element name="STRDocument"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="TradingPartnerDirectory"/&gt;       &lt;xs:element ref="SACNotification"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="Version" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:decimal"&gt;           &lt;xs:minInclusive value="0.0"/&gt;           &lt;xs:maxInclusive value="99999999.99"/&gt;           &lt;xs:fractionDigits value="3"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="DocumentDefinitionName" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="SACNotification"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/&gt;     &lt;xs:attribute name="CreationDate" type="xs:date" use="required"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML schema that corresponds to this document. Currently, the version of the schema is

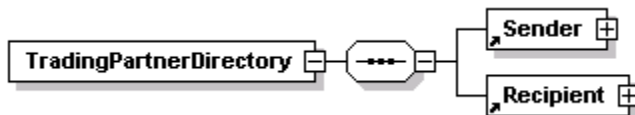
				1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be:  <i>GasSupplyChangeNotification</i>
DistributorDocumentReference	xs:string	Optional	N/A	This is the distributor's document tracking identifier of the report document. It will only be populated by Union Gas.
CreationDate	xs:date	Required	YYYY-MM-DD	This is the creation date of the document.

### 1.2.1 TradingPartnerDirectory

#### Description

This is the header information containing the information on the parties involved in the transmission of the document.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>Sender</li> <li>Recipient</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="TradingPartnerDirectory"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="Sender"/&gt;       &lt;xs:element ref="Recipient"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

#### Attribute Specifications

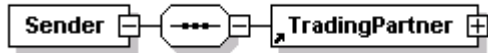
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.1.1 Sender

#### Description

This element contains information of the sender of the document. For this schema, the information belongs to the Distributor.

#### Layout



#### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"><li>TradingPartnerDirectory</li></ul>
Child Elements	<ul style="list-style-type: none"><li>TradingPartner</li></ul>
Type	xs:complexType
Facets	
Source Design	<pre>&lt;xs:element name="Sender"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="TradingPartner"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

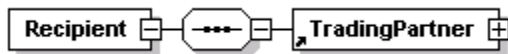
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.1.2 Recipient

#### Description

This element contains information of the recipient of the document. For this schema, the information belongs to the Vendor.

#### Layout



#### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"><li>TradingPartnerDirectory</li></ul>
Child Elements	<ul style="list-style-type: none"><li>TradingPartner</li></ul>
Type	xs:complexType
Facets	
Source Design	<pre>&lt;xs:element name="Recipient"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="TradingPartner"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications



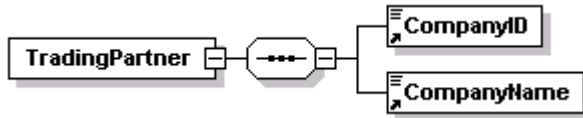
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.1.2.1 TradingPartner

##### Description

This element contains information of the sender or recipient of the document. For this schema, the sender information belongs to the Gas Distributor and the recipient information belongs to the Vendor.

##### Layout



##### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> <li>Recipient</li> <li>Sender</li> </ul>
Child Elements	<ul style="list-style-type: none"> <li>CompanyID</li> <li>CompanyName</li> </ul>
Type	xs:complexType
Facets	
Source Design	<pre> &lt;xs:element name="TradingPartner"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="CompanyID"/&gt;       &lt;xs:element ref="CompanyName"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="ParticipantType" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="Distributor"/&gt;           &lt;xs:enumeration value="Retailer"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

##### Attribute Specifications

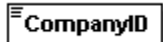
Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = "Distributor" and the Recipient's ParticipantType = "Retailer".</p>

#### 1.2.1.2.1.1 CompanyID

##### Description

This element contains the unique identifier of the company identified by the TradingPartner. If the TradingPartner is the sender of the document for this particular schema type, the value listed is the Distributor's identifier for the Vendor.

## Layout



## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>TradingPartner</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	
<b>Source Design</b>	<pre>&lt;xs:element name="CompanyID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"/&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

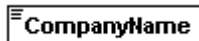
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.1.2.1.2 *CompanyName*

#### Description

This element contains the company's name, either the Vendor if it is the Recipient for this document type or the Distributor if is the Sender for this document type.

## Layout



## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>TradingPartner</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>minLength = 1</li> <li>maxLength = 300</li> </ul>
<b>Source Design</b>	<pre>&lt;xs:element name="CompanyName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="1"/&gt;       &lt;xs:maxLength value="300"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
------	------	-------	--------	-------------

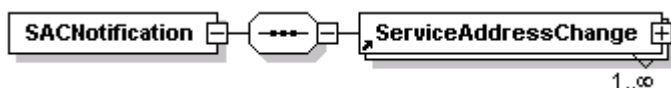
N/A	N/A	N/A	N/A	N/A
-----	-----	-----	-----	-----

### 1.2.2 SACNotification

#### Description

This is the body element of the report. It contains the transaction specific information record(s) that will appear inside the body.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddressChange</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="SACNotification"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="ServiceAddressChange" maxOccurs="unbounded"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

#### Attribute Specifications

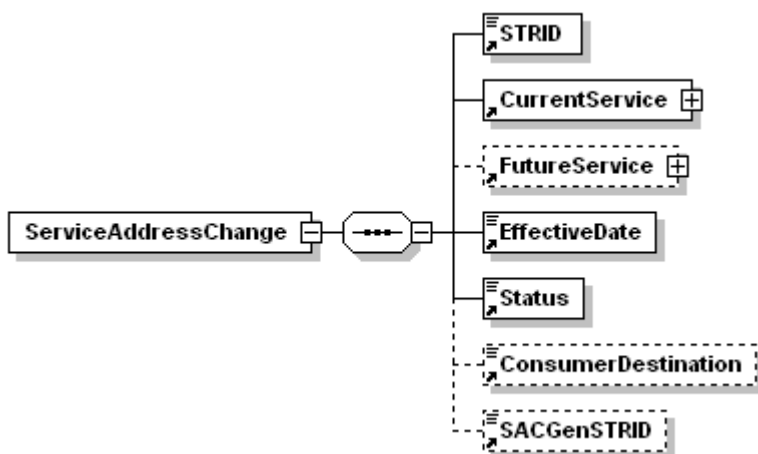
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3 ServiceAddressChange

#### Description

This is the container element for each Service Address Change notification for the Vendor.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Unbounded
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>SACNotification</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>STRID</li> <li>CurrentService</li> <li>FutureService</li> <li>EffectiveDate</li> <li>Status</li> <li>ConsumerDestination</li> <li>SACGenSTRID</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="ServiceAddressChange"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="STRID"/&gt;       &lt;xs:element ref="CurrentService"/&gt;       &lt;xs:element ref="FutureService" minOccurs="0"/&gt;       &lt;xs:element ref="EffectiveDate"/&gt;       &lt;xs:element ref="Status"/&gt;       &lt;xs:element ref="ConsumerDestination" minOccurs="0"/&gt;       &lt;xs:element ref="SACGenSTRID" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.1 STRID

##### Description

This is the unique identifier for the transaction that triggered this notification.

##### Layout



##### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddressChange</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>AccountNumber</li> <li>AccountInformation</li> <li>PoolContractID</li> <li>PricePointID</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>Pattern = [0-9]{0,15}</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="STRID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[0-9]{0,15}"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

## Attribute Specifications

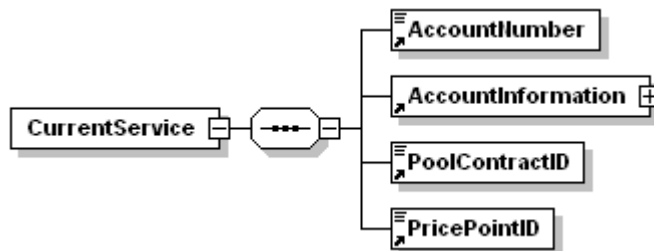
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.2 CurrentService

#### Description

This is the container element containing the consumer's current information.

#### Layout



## Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ServiceAddressChange</li></ul>
Child Elements	<ul style="list-style-type: none"><li>AccountNumber</li><li>AccountInformation</li><li>PoolContractID</li><li>PricePointID</li></ul>
Type	xs:complexType
Facets	N/A
Source Design	<pre>&lt;xs:element name="CurrentService"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="AccountNumber"/&gt;       &lt;xs:element ref="AccountInformation"/&gt;       &lt;xs:element ref="PoolContractID"/&gt;       &lt;xs:element ref="PricePointID"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

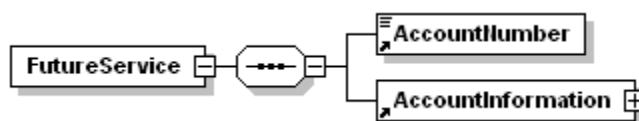
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3 FutureService

#### Description

This is the container element containing the consumer's future information.

#### Layout



## Element Specifications

<b>Usage</b>	Optional – Maximum Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>ServiceAddressChange</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>AccountNumber</li><li>AccountInformation</li></ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre>&lt;xs:element name="FutureService"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="AccountNumber"/&gt;       &lt;xs:element ref="AccountInformation"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.1 AccountNumber

#### Description

This is the unique identifier of the account.

#### Layout



## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>CurrentService</li><li>FutureService</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"><li>pattern = [0-9]{0,14}</li></ul>
<b>Source Design</b>	<pre>&lt;xs:element name="AccountNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[0-9]{0,14}"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

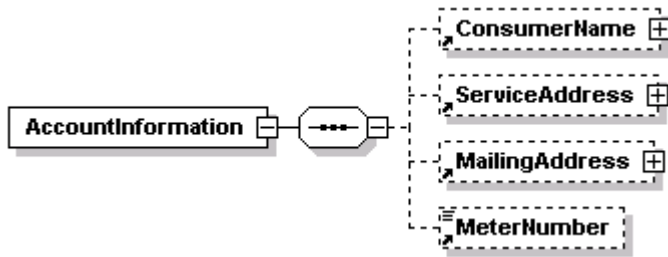
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2 AccountInformation

#### Description

Insert description here.

#### Layout



## Element Specifications

<b>Usage</b>	
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>Consumer</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>ConsumerName</li> <li>ServiceAddress</li> <li>MailingAddress</li> <li>MeterNumber</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	
<b>Source Design</b>	<pre> &lt;xs:element name="AccountInformation"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="ConsumerName" minOccurs="0"/&gt;       &lt;xs:element ref="ServiceAddress" minOccurs="0"/&gt;       &lt;xs:element ref="MailingAddress" minOccurs="0"/&gt;       &lt;xs:element ref="MeterNumber" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Attribute Specifications

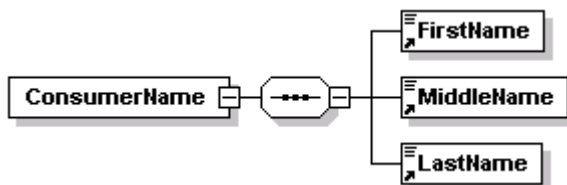
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.1 ConsumerName

#### Description

This is the container element for the consumer name information.

#### Layout



## Element Specifications

<b>Usage</b>	Optional – Once Maximum
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>AccountInformation</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>FirstName</li> <li>MiddleName</li> <li>LastName</li> </ul>
<b>Type</b>	xs:complexType

<b>Facets</b>	
<b>Source Design</b>	<pre> &lt;xs:element name="ConsumerName"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="FirstName"/&gt;       &lt;xs:element ref="MiddleName"/&gt;       &lt;xs:element ref="LastName"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.1.1 *FirstName*

### Description

This is the first name of the consumer as it appears in the Distributor's repository. It is left blank if the consumer is a company.

### Layout



### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ConsumerName</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>minLength = 0</li> <li>maxLength = 100</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="FirstName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.1.2 *MiddleName*

### Description

This is the middle name of the consumer as it appears in the Distributor's repository. It is left blank if the consumer is a company.

### Layout



### MiddleName

#### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>ConsumerName</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"><li>minLength = 0</li><li>maxLength = 100</li></ul>
<b>Source Design</b>	<pre>&lt;xs:element name="MiddleName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.1.3 LastName

##### Description

This is the last name of the consumer as it appears in the Distributor's repository.

##### Layout

### LastName

#### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>ConsumerName</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"><li>minLength = 0</li><li>maxLength = 100</li></ul>
<b>Source Design</b>	<pre>&lt;xs:element name="LastName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

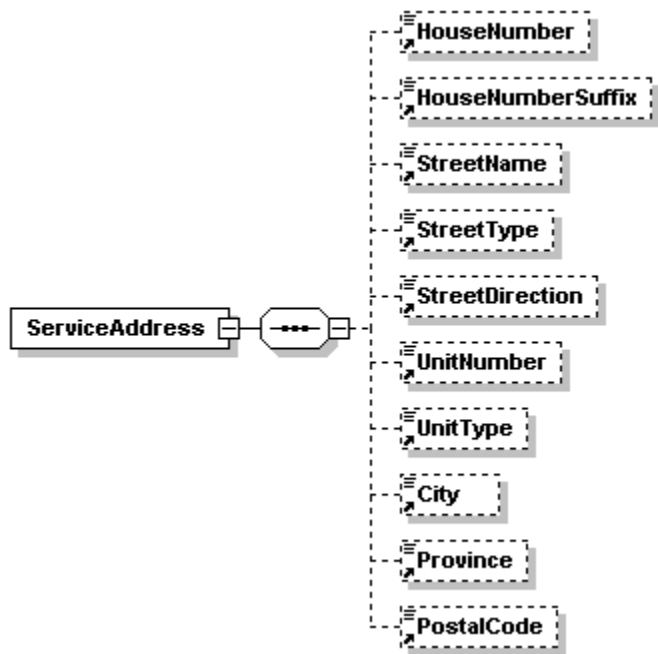
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.3.1.3.2.2     *ServiceAddress*

**Description**

This is the container element for the consumer's address of service (premises address).

**Layout**



**Element Specifications**

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>▪ AccountInformation</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>▪ HouseNumber</li><li>▪ HouseNumberSuffix</li><li>▪ StreetName</li><li>▪ StreetType</li><li>▪ StreetDirection</li><li>▪ UnitNumber</li><li>▪ UnitType</li><li>▪ City</li><li>▪ Province</li><li>▪ PostalCode</li></ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A

<b>Source Design</b>	<pre> &lt;xs:element name="ServiceAddress"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="HouseNumber" minOccurs="0"/&gt;       &lt;xs:element ref="HouseNumberSuffix" minOccurs="0"/&gt;       &lt;xs:element ref="StreetName" minOccurs="0"/&gt;       &lt;xs:element ref="StreetType" minOccurs="0"/&gt;       &lt;xs:element ref="StreetDirection" minOccurs="0"/&gt;       &lt;xs:element ref="UnitNumber" minOccurs="0"/&gt;       &lt;xs:element ref="UnitType" minOccurs="0"/&gt;       &lt;xs:element ref="City" minOccurs="0"/&gt;       &lt;xs:element ref="Province" minOccurs="0"/&gt;       &lt;xs:element ref="PostalCode" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
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## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.1 HouseNumber

#### Description

Lists the consumer's house number of the service address. This conforms to the Canada Post Address standards (referred to as civic number).

#### Layout



## Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 10
<b>Source Design</b>	<pre> &lt;xs:element name="HouseNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="10"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

## Attribute Specifications

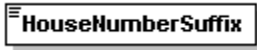
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.2 HouseNumberSuffix

#### Description

Lists the consumer's house number suffix of the service address. This conforms to the Canada Post Address standards.

## Layout



## Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 10
<b>Source Design</b>	<pre>&lt;xs:element name="HouseNumberSuffix"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="10"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.3 StreetName

## Description

Lists the consumer's street name of the service address. This conforms to the Canada Post Address standards.

## Layout



## Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 55
<b>Source Design</b>	<pre>&lt;xs:element name="StreetName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="55"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.4 *StreetType*

#### Description

Lists the consumer's street type of the service address. This conforms to the Canada Post Address standards.

#### Layout

 **StreetType**

#### Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ServiceAddress</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre>&lt;xs:element name="StreetType"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="10"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.5 *StreetDirection*

#### Description

Lists the consumer's street direction of the service address. This conforms to the Canada Post Address standards.

#### Layout

 **StreetDirection**

#### Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ServiceAddress</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>

<b>Type</b>	xs:NMTOKEN
<b>Facets</b>	Enumeration <ul style="list-style-type: none"> <li>▪ N</li> <li>▪ S</li> <li>▪ W</li> <li>▪ E</li> <li>▪ NW</li> <li>▪ SW</li> <li>▪ SE</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="StreetDirection"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NMTOKEN"&gt;       &lt;xs:enumeration value="N"/&gt;       &lt;xs:enumeration value="S"/&gt;       &lt;xs:enumeration value="W"/&gt;       &lt;xs:enumeration value="E"/&gt;       &lt;xs:enumeration value="NW"/&gt;       &lt;xs:enumeration value="NE"/&gt;       &lt;xs:enumeration value="SW"/&gt;       &lt;xs:enumeration value="SE"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.2.6 UnitNumber

##### Description

Lists the consumer's unit (apartment) number of the service address. This conforms to the Canada Post Address standards.

##### Layout



#### Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>▪ ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>▪ None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 40
<b>Source Design</b>	<pre> &lt;xs:element name="UnitNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="40"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.2.7 UnitType

##### Description

Lists the consumer's unit type (such as APT, SUITE) of the service address. This conforms to the Canada Post Address standards.

##### Layout



##### Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 10
<b>Source Design</b>	<pre> &lt;xs:element name="UnitType"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="10"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

##### Attribute Specifications

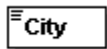
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.2.8 City

##### Description

Lists the consumer's city of the service address.

##### Layout



##### Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 20

<b>Source Design</b>	<pre> &lt;xs:element name="City"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="20"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>
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## Attribute Specifications

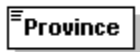
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.9 Province

## Description

Lists the consumer's province of the service address. For Enbridge Gas Distribution and Union Gas Limited, the only value that will be used is "ON".

## Layout



## Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:NMTOKEN
<b>Facets</b>	Enumeration <ul style="list-style-type: none"> <li>AB</li> <li>BC</li> <li>MB</li> <li>NB</li> <li>NL</li> <li>NS</li> <li>ON</li> <li>PE</li> <li>QC</li> <li>SK</li> <li>YT</li> </ul>



<b>Source Design</b>	<pre> &lt;xs:element name="Province"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NMTOKEN"&gt;       &lt;xs:enumeration value="AB"/&gt;       &lt;xs:enumeration value="BC"/&gt;       &lt;xs:enumeration value="MB"/&gt;       &lt;xs:enumeration value="NB"/&gt;       &lt;xs:enumeration value="NL"/&gt;       &lt;xs:enumeration value="NS"/&gt;       &lt;xs:enumeration value="ON"/&gt;       &lt;xs:enumeration value="PE"/&gt;       &lt;xs:enumeration value="QC"/&gt;       &lt;xs:enumeration value="SK"/&gt;       &lt;xs:enumeration value="YT"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>
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### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.2.10 PostalCode

#### Description

Lists the consumer's Postal Code of the service address.

#### Layout



### Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	\p{Lu}\p{Nd}\p{Lu}\p{Nd}\p{Lu}\p{Nd} → C#C#C# (no spaces)
<b>Source Design</b>	<pre> &lt;xs:element name="PostalCode"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="\p{Lu}\p{Nd}\p{Lu}\p{Nd}\p{Lu}\p{Nd}"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

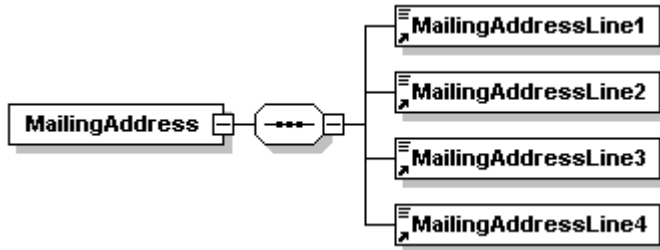
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.3 MailingAddress

#### Description

Lists the consumer's mailing address information.

## Layout



## Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>AccountInformation</li></ul>
Child Elements	<ul style="list-style-type: none"><li>MailingAddressLine1</li><li>MailingAddressLine2</li><li>MailingAddressLine3</li><li>MailingAddressLine4</li></ul>
Type	xs:complexType
Facets	N/A
Source Design	<pre>&lt;xs:element name="MailingAddress"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="MailingAddressLine1"/&gt;       &lt;xs:element ref="MailingAddressLine2"/&gt;       &lt;xs:element ref="MailingAddressLine3"/&gt;       &lt;xs:element ref="MailingAddressLine4"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

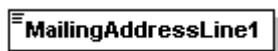
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.3.1 MailingAddressLine1

## Description

This contains the first line of the mailing address of the consumer.

## Layout



## Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>MailingAddress</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:string
Facets	Min Length = 0; Max Length = 100

<b>Source Design</b>	<pre> &lt;xs:element name="MailingAddressLine1"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>
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### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.3.2 *MailingAddressLine2*

#### Description

This contains the second line of the mailing address of the consumer.

#### Layout

 **MailingAddressLine2**

### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>MailingAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 100
<b>Source Design</b>	<pre> &lt;xs:element name="MailingAddressLine2"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.2.3.3 *MailingAddressLine3*

#### Description

This contains the third line of the mailing address of the consumer.

#### Layout

 **MailingAddressLine3**

### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>MailingAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 100
<b>Source Design</b>	<pre>&lt;xs:element name="MailingAddressLine3"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.3.4 MailingAddressLine4

##### Description

This contains the fourth line of the mailing address of the consumer. For Union Gas, this element is empty.

##### Layout

 **MailingAddressLine4**

#### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>MailingAddress</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	Min Length = 0; Max Length = 100
<b>Source Design</b>	<pre>&lt;xs:element name="MailingAddressLine4"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.2.4 MeterNumber

##### Description

This is the meter number as listed in the Distributor's repository.

## Layout

 **MeterNumber**

## Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>AccountInformation</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"><li>pattern = [0-9]{0,15}</li></ul>
<b>Source Design</b>	<pre>&lt;xs:element name="MeterNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[0-9]{0,15}" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.3.3 *PoolContractID*

#### Description

This is the identifier for the pool/contract the consumer is currently attached to.

## Layout

 **PoolContractID**

## Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>CurrentService</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"><li>minLength = 0</li><li>maxLength = 40</li></ul>
<b>Source Design</b>	<pre>&lt;xs:element name="PoolContractID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="40"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

## Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.3.4 PricePointID

##### Description

This is the identifier for the price point the consumer is currently attached to.

##### Layout



##### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>CurrentService</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:string
Facets	<ul style="list-style-type: none"><li>minLength = 0</li><li>maxLength = 40</li></ul>
Source Design	<pre>&lt;xs:element name="PricePointID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="40"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

##### Attribute Specifications

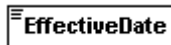
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.2.3.1.4 EffectiveDate

##### Description

This is the effective date on which the service address change is to take effect.

##### Layout



##### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ServiceAddressChange</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:date
Facets	N/A
Source Design	<pre>&lt;xs:element name="EffectiveDate" type="xs:date"/&gt;</pre>

##### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.5 Status

#### Description

This lists the current status of the STR request. The enumerated value descriptions are as follows:

#### Processed:

The STR that has triggered this notification has been validated and fully processed. It will await the effective date before changes take effect.

#### Rescinded:

The STR has been rescinded by the consumer.

#### Layout



#### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ServiceAddressChange</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:string
Facets	<ul style="list-style-type: none"><li>enumeration = Processed</li><li>enumeration = Rescinded</li></ul>
Source Design	<pre>&lt;xs:element name="Status"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:enumeration value="Processed"/&gt;       &lt;xs:enumeration value="Rescinded"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.6 ConsumerDestination

#### Description

This details the consumer's destination triggered by the service address change. If the move is within the same delivery area, then the contract can be transferable. If the move is outside the delivery area but within the distributor's franchise, a SAC-GEN is created. The SAC-GEN is only for Union Gas. If the service address change is strictly a move-out or the move is to a different franchise area, then the consumer destination is unknown.

#### Layout



#### Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ServiceAddressChange</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>

<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>enumeration = Transferable</li> <li>enumeration = Inter-Delivery Area</li> <li>enumeration = Unknown</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="ConsumerDestination"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:enumeration value="Transferable"/&gt;       &lt;xs:enumeration value="Inter-Delivery Area"/&gt;       &lt;xs:enumeration value="Unknown"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

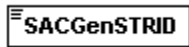
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.2.3.1.7 SACGenSTRID

#### Description

In the case where the consumer is moving to a different delivery area but within the distributor's franchise, a SAC-GEN is created. This is only for Union Gas and this element contains the STRID of that SAC-GEN transaction.

#### Layout



#### Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ServiceAddressChange</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>pattern = [0-9]{0,15}</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="SACGenSTRID"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[0-9]{0,15}"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A



# Appendix A – Gas Supply Change Notification Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="STRDocument">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartnerDirectory"/>
        <xs:element ref="GasSupplyChangeNotification"/>
      </xs:sequence>
      <xs:attribute name="Version" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:minInclusive value="0.0"/>
            <xs:maxInclusive value="99999999.99"/>
            <xs:fractionDigits value="3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="DocumentDefinitionName" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="GasSupplyChangeNotification"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/>
      <xs:attribute name="CreationDate" type="xs:date" use="required"/>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartnerDirectory">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Sender"/>
        <xs:element ref="Recipient"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Sender">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Recipient">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartner">
    <xs:complexType>
```

```

        <xs:sequence>
            <xs:element ref="CompanyID"/>
            <xs:element ref="CompanyName"/>
        </xs:sequence>
        <xs:attribute name="ParticipantType" use="required">
            <xs:simpleType>
                <xs:restriction base="xs:NMTOKEN">
                    <xs:enumeration value="Distributor"/>
                    <xs:enumeration value="Retailer"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:attribute>
    </xs:complexType>
</xs:element>
<xs:element name="CompanyName">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="300"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CompanyID">
    <xs:simpleType>
        <xs:restriction base="xs:string"/>
    </xs:simpleType>
</xs:element>
<xs:element name="GasSupplyChangeNotification">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="DeleteConsumerNotification" maxOccurs="unbounded"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteConsumerNotification">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="STRID"/>
            <xs:element ref="AccountNumber"/>
            <xs:element ref="EffectiveDate" />
            <xs:element ref="Status"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="STRID">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9]{0,15}"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="AccountNumber">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9]{0,14}"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>

```

```
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="EffectiveDate" type="xs:date"/>
    <xs:element name="Status">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="Pending"/>
          <xs:enumeration value="Rescinded"/>
          <xs:enumeration value="Stopped"/>
          <xs:enumeration value="Overwritten"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:schema>
```

## Appendix B – SAC Notification Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="STRDocument">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartnerDirectory"/>
        <xs:element ref="SACNotification"/>
      </xs:sequence>
      <xs:attribute name="Version" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:minInclusive value="0.0"/>
            <xs:maxInclusive value="99999999.99"/>
            <xs:fractionDigits value="3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="DocumentDefinitionName" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="SACNotification"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/>
      <xs:attribute name="CreationDate" type="xs:date" use="required"/>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartnerDirectory">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Sender"/>
        <xs:element ref="Recipient"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Sender">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Recipient">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartner">
    <xs:complexType>
```

```

        <xs:sequence>
            <xs:element ref="CompanyID"/>
            <xs:element ref="CompanyName"/>
        </xs:sequence>
        <xs:attribute name="ParticipantType" use="required">
            <xs:simpleType>
                <xs:restriction base="xs:NMTOKEN">
                    <xs:enumeration value="Distributor"/>
                    <xs:enumeration value="Retailer"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:attribute>
    </xs:complexType>
</xs:element>
<xs:element name="CompanyName">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="300"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CompanyID">
    <xs:simpleType>
        <xs:restriction base="xs:string"/>
    </xs:simpleType>
</xs:element>
<xs:element name="SACNotification">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="ServiceAddressChange" maxOccurs="unbounded"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ServiceAddressChange">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="STRID"/>
            <xs:element ref="CurrentService"/>
            <xs:element ref="FutureService" minOccurs="0"/>
            <xs:element ref="EffectiveDate"/>
            <xs:element ref="Status"/>
            <xs:element ref="ConsumerDestination" minOccurs="0"/>
            <xs:element ref="SACGenSTRID" minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="STRID">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9]{0,15}"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="CurrentService">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element ref="AccountNumber"/>
        <xs:element ref="AccountInformation"/>
        <xs:element ref="PoolContractID"/>
        <xs:element ref="PricePointID"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="FutureService">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="AccountNumber"/>
        <xs:element ref="AccountInformation"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="AccountNumber">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="[0-9]{0,14}"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="AccountInformation">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="ConsumerName" minOccurs="0"/>
        <xs:element ref="ServiceAddress" minOccurs="0"/>
        <xs:element ref="MailingAddress" minOccurs="0"/>
        <xs:element ref="MeterNumber" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="ConsumerName">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="FirstName"/>
        <xs:element ref="MiddleName"/>
        <xs:element ref="LastName"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="FirstName">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0"/>
        <xs:maxLength value="100"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="MiddleName">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0"/>

```

```

        <xs:maxLength value="100"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="LastName">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ServiceAddress">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="HouseNumber" minOccurs="0"/>
            <xs:element ref="HouseNumberSuffix" minOccurs="0"/>
            <xs:element ref="StreetName" minOccurs="0"/>
            <xs:element ref="StreetType" minOccurs="0"/>
            <xs:element ref="StreetDirection" minOccurs="0"/>
            <xs:element ref="UnitNumber" minOccurs="0"/>
            <xs:element ref="UnitType" minOccurs="0"/>
            <xs:element ref="City" minOccurs="0"/>
            <xs:element ref="Province" minOccurs="0"/>
            <xs:element ref="PostalCode" minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="HouseNumber">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="10"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="HouseNumberSuffix">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="10"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="StreetName">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="55"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="StreetType">
    <xs:simpleType>
        <xs:restriction base="xs:string">

```

```

        <xs:minLength value="0"/>
        <xs:maxLength value="10"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="StreetDirection">
    <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="N"/>
            <xs:enumeration value="S"/>
            <xs:enumeration value="W"/>
            <xs:enumeration value="E"/>
            <xs:enumeration value="NW"/>
            <xs:enumeration value="NE"/>
            <xs:enumeration value="SW"/>
            <xs:enumeration value="SE"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="UnitNumber">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="40"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="UnitType">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="10"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="City">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="20"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Province">
    <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="AB"/>
            <xs:enumeration value="BC"/>
            <xs:enumeration value="MB"/>
            <xs:enumeration value="NB"/>
            <xs:enumeration value="NL"/>
            <xs:enumeration value="NS"/>
            <xs:enumeration value="ON"/>
            <xs:enumeration value="PE"/>
            <xs:enumeration value="QC"/>

```



```

        <xs:enumeration value="SK"/>
        <xs:enumeration value="YT"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="PostalCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="\p{Lu}\p{Nd}\p{Lu}\p{Nd}\p{Lu}\p{Nd}"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MailingAddress">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="MailingAddressLine1"/>
            <xs:element ref="MailingAddressLine2"/>
            <xs:element ref="MailingAddressLine3"/>
            <xs:element ref="MailingAddressLine4"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MailingAddressLine1">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MailingAddressLine2">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MailingAddressLine3">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MailingAddressLine4">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="MeterNumber">

```

```

    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="[0-9]{0,15}" />
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="PoolContractID">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0" />
        <xs:maxLength value="40" />
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="PricePointID">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0" />
        <xs:maxLength value="40" />
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="EffectiveDate" type="xs:date" />
  <xs:element name="Status">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="Processed" />
        <xs:enumeration value="Rescinded" />
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="ConsumerDestination">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="Transferable" />
        <xs:enumeration value="Inter-Delivery Area" />
        <xs:enumeration value="Unknown" />
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="SACGenSTRID">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="[0-9]{0,15}" />
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
</xs:schema>

```

## Appendix C – Gas Supply Change Notification XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<STRDocument Version="1.2" DocumentDefinitionName="GasSupplyChangeNotification" DistributorDocumentReference="200300400_76757637IYGTHG67867"
CreationDate="2004-04-03" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>200300400</CompanyID>
        <CompanyName>Union Gas Ltd</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>123456789</CompanyID>
        <CompanyName>Econogas</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <GasSupplyChangeNotification>
    <DeleteConsumerNotification>
      <STRID>100001</STRID>
      <AccountNumber>12345672345678</AccountNumber>
      <EffectiveDate>2004-05-01</EffectiveDate>
      <Status>Pending</Status>
    </DeleteConsumerNotification>
  </GasSupplyChangeNotification>
</STRDocument>
```

## Appendix D – SAC Notification XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<STRDocument Version="1.2" DocumentDefinitionName="SACNotification" DistributorDocumentReference="200300400_657653JHGJHG87682HGJ" CreationDate="2004-04-03" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>123456789</CompanyID>
        <CompanyName>Union Gas Ltd</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>200300400</CompanyID>
        <CompanyName>Econogas</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <SACNotification>
    <ServiceAddressChange>
      <STRID>10001</STRID>
      <CurrentService>
        <AccountNumber>12345672345678</AccountNumber>
        <AccountInformation>
          <ConsumerName>
            <FirstName>ROBERT</FirstName>
            <MiddleName>G</MiddleName>
            <LastName>ORR</LastName>
          </ConsumerName>
          <ServiceAddress>
            <HouseNumber>444</HouseNumber>
            <StreetName>BRUIN</StreetName>
            <StreetType>ST</StreetType>
            <City>PARIS</City>
            <Province>ON</Province>
            <PostalCode>A0A0A0</PostalCode>
          </ServiceAddress>
          <MailingAddress>
            <MailingAddressLine1>444 BRUIN ST</MailingAddressLine1>
            <MailingAddressLine2>PARIS ON</MailingAddressLine2>
            <MailingAddressLine3>A0A0A0</MailingAddressLine3>
            <MailingAddressLine4/>
          </MailingAddress>
          <MeterNumber>1234567</MeterNumber>
        </AccountInformation>
        <PoolContractID>SA1234</PoolContractID>
        <PricePointID>12345</PricePointID>
      </CurrentService>
      <FutureService>
        <AccountNumber>12345674444444</AccountNumber>
        <AccountInformation>
          <ConsumerName>
            <FirstName>ROBERT</FirstName>
```

```

        <MiddleName>G</MiddleName>
        <LastName>ORR</LastName>
    </ConsumerName>
    <ServiceAddress>
        <HouseNumber>123</HouseNumber>
        <HouseNumberSuffix>N</HouseNumberSuffix>
        <StreetName>MAIN</StreetName>
        <StreetType>ST</StreetType>
        <StreetDirection>NW</StreetDirection>
        <UnitNumber>400</UnitNumber>
        <UnitType>SUITE</UnitType>
        <City>PARRY SOUND</City>
        <Province>ON</Province>
        <PostalCode>A0A0A0</PostalCode>
    </ServiceAddress>
    <MailingAddress>
        <MailingAddressLine1>444 BRUIN ST</MailingAddressLine1>
        <MailingAddressLine2>PARIS ON</MailingAddressLine2>
        <MailingAddressLine3>A0A0A0</MailingAddressLine3>
        <MailingAddressLine4/>
    </MailingAddress>
    <MeterNumber>2345678</MeterNumber>
</AccountInformation>
</FutureService>
<EffectiveDate>2004-01-01</EffectiveDate>
<Status>Processed</Status>
<ConsumerDestination>Transferable</ConsumerDestination>
<SACGenSTRID/>
</ServiceAddressChange>
<ServiceAddressChange>
    <STRID>100002</STRID>
    <CurrentService>
        <AccountNumber>23456783456789</AccountNumber>
        <AccountInformation>
            <ConsumerName>
                <FirstName>GORDON</FirstName>
                <MiddleName>A</MiddleName>
                <LastName>HOWE</LastName>
            </ConsumerName>
            <ServiceAddress>
                <HouseNumber>9</HouseNumber>
                <StreetName>RED WING</StreetName>
                <StreetType>BLVD</StreetType>
                <City>SARNIA</City>
                <Province>ON</Province>
                <PostalCode>A0A0A0</PostalCode>
            </ServiceAddress>
            <MailingAddress>
                <MailingAddressLine1>PO BOX 99</MailingAddressLine1>
                <MailingAddressLine2>STATION MAIN</MailingAddressLine2>
                <MailingAddressLine3>DETROIT MI</MailingAddressLine3>
                <MailingAddressLine4>34343</MailingAddressLine4>
            </MailingAddress>
            <MeterNumber>222222</MeterNumber>
        </AccountInformation>
    </CurrentService>
</ServiceAddressChange>

```

```

    <PoolContractID>SA2345</PoolContractID>
    <PricePointID>23456</PricePointID>
  </CurrentService>
  <EffectiveDate>2004-04-01</EffectiveDate>
  <Status>Processed</Status>
  <ConsumerDestination>Inter-Delivery Area</ConsumerDestination>
  <SACGenSTRID>100033</SACGenSTRID>
</ServiceAddressChange>
<ServiceAddressChange>
  <STRID>100076</STRID>
  <CurrentService>
    <AccountNumber>12121213434343</AccountNumber>
    <AccountInformation>
      <ConsumerName>
        <FirstName>JEAN</FirstName>
        <MiddleName>Q</MiddleName>
        <LastName>RATTELLE</LastName>
      </ConsumerName>
      <ServiceAddress>
        <HouseNumber>555</HouseNumber>
        <StreetName>RANGERS</StreetName>
        <StreetType>RD</StreetType>
        <City>TRENTON</City>
        <Province>ON</Province>
        <PostalCode>A0A0A0</PostalCode>
      </ServiceAddress>
      <MailingAddress>
        <MailingAddressLine1>555 RANGERS RD</MailingAddressLine1>
        <MailingAddressLine2>TRENTON ON</MailingAddressLine2>
        <MailingAddressLine3>A0A0A0</MailingAddressLine3>
        <MailingAddressLine4/>
      </MailingAddress>
      <MeterNumber>4444333</MeterNumber>
    </AccountInformation>
    <PoolContractID>SA3456</PoolContractID>
    <PricePointID>44332</PricePointID>
  </CurrentService>
  <EffectiveDate>2004-01-15</EffectiveDate>
  <Status>Rescinded</Status>
  <ConsumerDestination>Unknown</ConsumerDestination>
  <SACGenSTRID/>
</ServiceAddressChange>
</SACNotification>
</STRDocument>

```