

Schema Design – Gas Supply Change

GDAR Design

December 17, 2003

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Revision History

Date	Version	Description	Author
September 19, 2002	0.1	Initial Creation	Vu Pham-Tran, Sapient Corporation
September 23, 2002	0.2	Element Description	Vu Pham-Tran, Sapient Corporation
September 24, 2002	0.3	Business Context Addition	Vu Pham-Tran, Sapient Corporation
September 30, 2002	0.4	Example XML files updated	Vu Pham-Tran, Sapient Corporation
October 3, 2003	0.5	Incorporated EGD changes	Vu Pham-Tran, Sapient Corporation
October 5, 2003	0.6	Incorporated UG changes	Vu Pham-Tran, Sapient Corporation
December 3, 2003	0.7	Incorporated VendorTXNID & LastUpdated field changes	Vu Pham-Tran, Sapient Corporation

Schema Specifications – Gas Supply Change Request

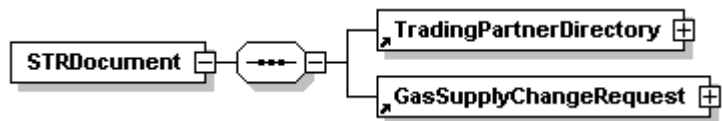
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

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">None
Child Elements	<ul style="list-style-type: none">TradingPartnerDirectoryGasSupplyChangeRequest
Type	xs:complexType
Facets	N/A
Source Design	<pre><xs:element name="STRDocument"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartnerDirectory"/> <xs:element ref="GasSupplyChangeRequest"/> </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="GasSupplyChangeRequest"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/> <xs:attribute name="CreationDate" type="xs:date" use="required"/> </xs:complexType> </xs:element></pre>

Attribute Specifications

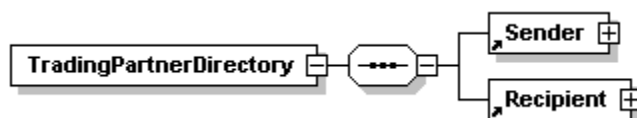
Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML schema that corresponds to this document. Currently, the version of the schema is 1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be: <i>GasSupplyChangeRequest</i>
VendorDocumentReference	xs:string	Optional	N/A	This is a variable identifier that does not have any format. It is intended for submitting parties to track specific request to response documents. The gas distributor will not modify the value in this field and will always return this same value in the response that was listed in the request.
CreationDate	xs:date	Required	YYYY-MM-DD	This is the creation date of the document. It does not reflect the time the document was submitted, nor the time the request was processed.

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

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

Attribute Specifications

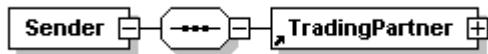
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.1.1 Sender

Description

This element contains information of the sender of the document. For this schema, the information belongs to the Vendor submitting the request document.

Layout



Element Specifications

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

Attribute Specifications

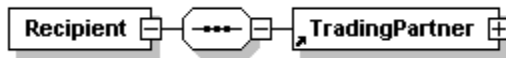
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.1.2 Recipient

Description

This element contains information of the recipient of the document. For this schema, the information belongs to the Gas Distributor receiving the request document.

Layout



Element Specifications

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

Attribute Specifications

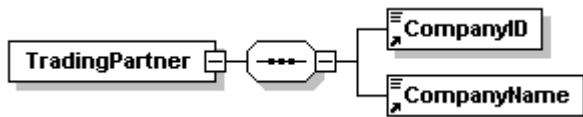
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

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 vendor and the recipient information belongs to the Gas Distributor.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">SenderRecipient
Child Elements	<ul style="list-style-type: none">CompanyIDCompanyName
Type	xs:complexType
Facets	N/A

Source Design	<pre> <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> </pre>
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Attribute Specifications

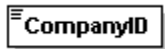
Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = <i>"Retailer"</i> and the Recipient's ParticipantType = <i>"Distributor"</i>.</p>

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. For example, Vendors who submit to Enbridge Gas Distribution will use the SLAID while Vendors who submit to Union Gas Limited will use the Vendor's Dun & Bradstreet number (DUNS).

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="CompanyID"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> </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 Sender for this document type or the Distributor if is the Recipient for this document type.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre><xs:element name="CompanyName"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element></pre>

Attribute Specifications

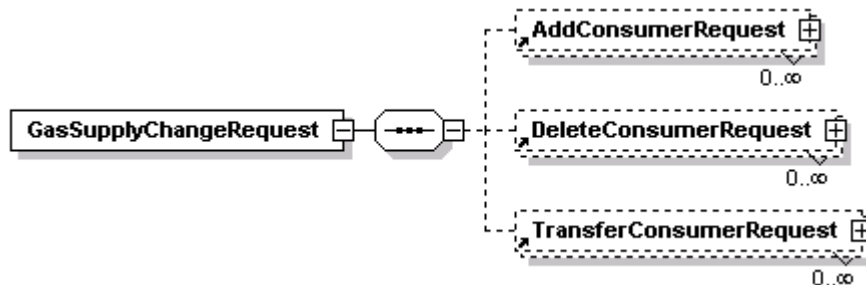
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2 *GasSupplyChangeRequest*

Description

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

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> STRDocument
Child Elements	<ul style="list-style-type: none"> AddConsumerRequest DeleteConsumerRequest TransferConsumerRequest
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="GasSupplyChangeRequest"> <xs:complexType> <xs:sequence> <xs:element ref="AddConsumerRequest" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="DeleteConsumerRequest" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TransferConsumerRequest" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

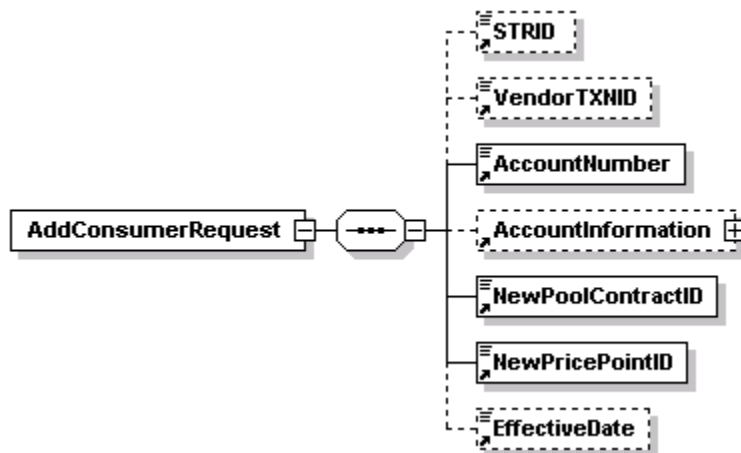
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1 AddConsumerRequest

Description

This is the container element for each consumer add request that facilitates either a System Gas-to-Vendor or a Vendor-to-Vendor STR. It can be used multiple times to reflect multiple consumer adds or not used at all.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> GasSupplyChangeRequest

Child Elements	<ul style="list-style-type: none"> ▪ STRID ▪ VendorTXNID ▪ AccountNumber ▪ AccountInformation ▪ NewPoolContractID ▪ NewPricePointID ▪ EffectiveDate
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:sequence> <xs:element ref="STRID" minOccurs="0"/> <xs:element ref="VendorTXNID" minOccurs="0"/> <xs:element ref="AccountNumber"/> <xs:element ref="AccountInformation" minOccurs="0"/> <xs:element ref="NewPoolContractID"/> <xs:element ref="NewPricePointID"/> <xs:element ref="EffectiveDate" minOccurs="0"/> </xs:sequence> <xs:attribute name="Action" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="New"/> <xs:enumeration value="Update"/> <xs:enumeration value="Rescind"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>

Attribute Specifications

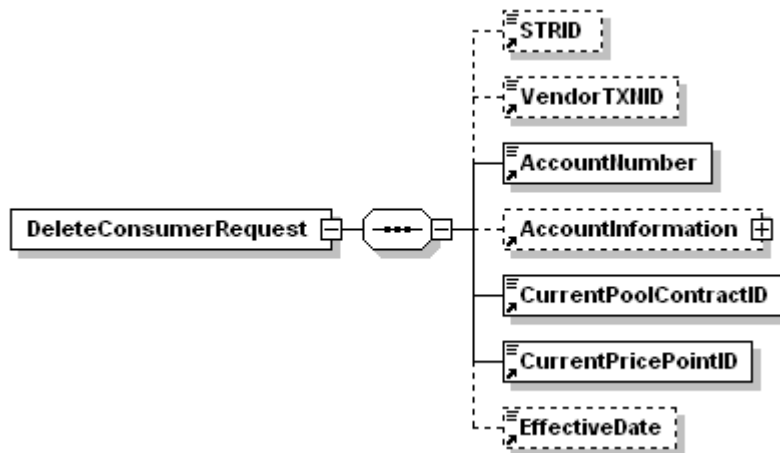
Name	Type	Usage	Facets	Description
Action	xs:NMTOKEN	Required	Enum	<p>Used to specify the action for this particular transaction. The only possible values are:</p> <ul style="list-style-type: none"> ▪ New ▪ Update ▪ Rescind

1.1.2.2 DeleteConsumerRequest

Description

This is the container element for each consumer delete request that facilitates a Move-to-System Gas STR. It can be used multiple times to reflect multiple consumer deletes or not used at all.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> GasSupplyChangeRequest
Child Elements	<ul style="list-style-type: none"> STRID VendorTXNID AccountNumber AccountInformation CurrentPoolContractID CurrentPricePointID EffectiveDate
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:sequence> <xs:element ref="STRID" minOccurs="0"/> <xs:element ref="VendorTXNID" minOccurs="0"/> <xs:element ref="AccountNumber"/> <xs:element ref="AccountInformation" minOccurs="0"/> <xs:element ref="CurrentPoolContractID"/> <xs:element ref="CurrentPricePointID"/> <xs:element ref="EffectiveDate" minOccurs="0"/> </xs:sequence> <xs:attribute name="Action" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="New"/> <xs:enumeration value="Update"/> <xs:enumeration value="Rescind"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
Action	xs:NMTOKEN	Required	Enum	Used to specify the action for this particular transaction. The only possible values are: <ul style="list-style-type: none"> New

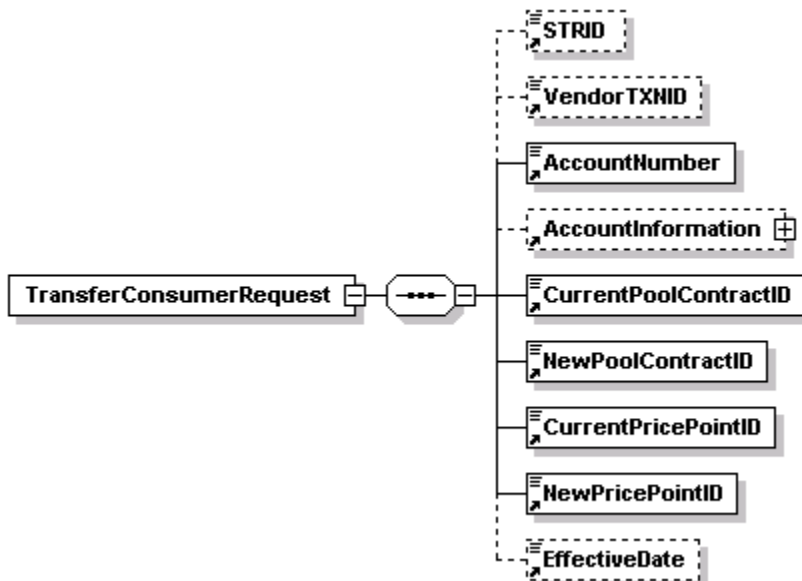
				<ul style="list-style-type: none"> ▪ Update ▪ Rescind
--	--	--	--	---

1.1.2.3 TransferConsumerRequest

Description

This is the container element for each consumer transfer request regarding attachments to Pool/Contracts and Price Points. It can be used multiple times to reflect multiple consumer transfers or not used at all.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> ▪ GasSupplyChangeRequest
Child Elements	<ul style="list-style-type: none"> ▪ STRID ▪ VendorTXNID ▪ AccountNumber ▪ AccountInformation ▪ CurrentPoolContractID ▪ NewPoolContractID ▪ CurrentPricePointID ▪ NewPricePointID ▪ EffectiveDate
Type	xs:complexType
Facets	N/A

Source Design	<pre> <xs:sequence> <xs:element ref="STRID" minOccurs="0"/> <xs:element ref="VendorTXNID" minOccurs="0"/> <xs:element ref="AccountNumber"/> <xs:element ref="AccountInformation" minOccurs="0"/> <xs:element ref="CurrentPoolContractID"/> <xs:element ref="NewPoolContractID"/> <xs:element ref="CurrentPricePointID"/> <xs:element ref="NewPricePointID"/> <xs:element ref="EffectiveDate" minOccurs="0"/> </xs:sequence> <xs:attribute name="Action" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="New"/> <xs:enumeration value="Update"/> <xs:enumeration value="Rescind"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>
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Attribute Specifications

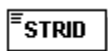
Name	Type	Usage	Facets	Description
Action	xs:NMTOKEN	Required	Enum	Used to specify the action for this particular transaction. The only possible values are: <ul style="list-style-type: none"> ▪ New ▪ Update ▪ Rescind

1.1.2.3.1 STRID

Description

This is only used if the action specified on the transaction is a Rescind or an Update to a previous transaction submitted earlier. All new transaction requests do not use the STRID element since the Distributor's systems will assign this value.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent)
Parent Elements	<ul style="list-style-type: none"> ▪ TransferConsumerRequest ▪ DeleteConsumerRequest ▪ AddConsumerRequest
Child Elements	<ul style="list-style-type: none"> ▪ None
Type	xs:string
Facets	[0-9]{0,15} → Digits, Min Length = 0, Max Length = 15

Source Design	<pre> <xs:element name="STRID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{0,15}"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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Attribute Specifications

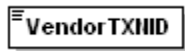
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.2 VendorTXNID

Description

This field is optional for Vendors to keep track of transactions submitted in documents. There is no format to this field and is left for the Vendor's discretion. On a response of the request, the value supplied in this field will be echoed back.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent)
Parent Elements	<ul style="list-style-type: none"> TransferConsumerRequest DeleteConsumerRequest AddConsumerRequest
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="VendorTXNID" type="xs:string"/> </pre>

Attribute Specifications

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

1.1.2.3.3 AccountNumber

Description

This is the distributor's identifier for the consumer. Account numbers at Enbridge Gas Distribution is a 12-digit identifier and is a 14-digit identifier at Union Gas Limited. Though this is a required field, it can be left blank to trigger an *Account Lookup Process* that will resolve the request to the correct account number.

The rules for Account Number Lookup are as follows:

1. If no service address postal code is supplied, account lookup is completely manual based on the supplied service address.
2. If a service address postal code is supplied, the street number is required and the unit number is required (if present).

3. If the street number is missing, the STR will be suspended (indicated by *Suspended – AI* in the status element of the response document).
4. If the account lookup is based on the street number, unit number, and postal code and the search returns no records, the STR is rejected.
5. If the account lookup is based on the street number, unit number, and postal code and the search returns more than one record, the street name and consumer last name must reasonably match.
6. If the account lookup is based on the street number, unit number, and postal code and the search returns more than one record and there is no reasonable match on the street name and last name, the STR is rejected.

The elements of the service address used for Account Number Lookup are:

Primary Identifiers

- Postal code
- Street Number
- Unit Number

Secondary Identifiers

- Street Name
- Last Name

Confirmation Identifiers

- Other

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> ▪ AddConsumerRequest ▪ DeleteConsumerRequest ▪ TransferConsumerRequest
Child Elements	<ul style="list-style-type: none"> ▪ None
Type	xs:string
Facets	[0-9]{0,14} → Digits, Min Length = 0, Max Length = 14
Source Design	<pre><xs:element name="AccountNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{0,14}" /> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

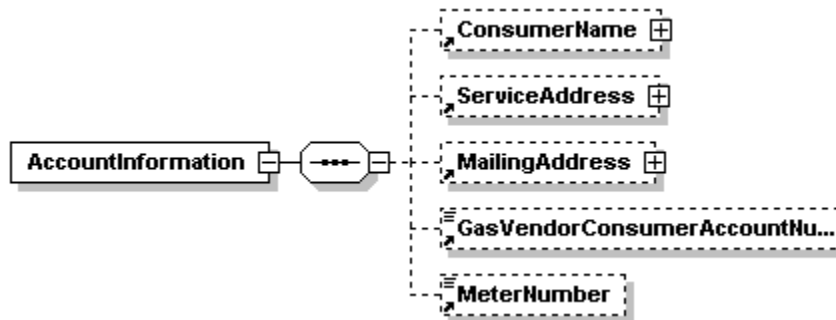
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4 AccountInformation

Description

This is the container element for the consumer information such as address information and name. This is an optional field and primarily used for the *Account Number Lookup* process to identify the consumer when the account number is unknown.

Layout



Element Specifications

Usage	Optional – Once Maximum
Parent Elements	<ul style="list-style-type: none"> TransferConsumerRequest DeleteConsumerRequest AddConsumerRequest
Child Elements	<ul style="list-style-type: none"> ConsumerName ServiceAddress MailingAddress GasVendorConsumerAccountNumber MeterNumber
Type	xs:complexType
Facets	N/A
Source Design	<pre> <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="GasVendorConsumerAccountNumber" minOccurs="0"/> <xs:element ref="MeterNumber" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

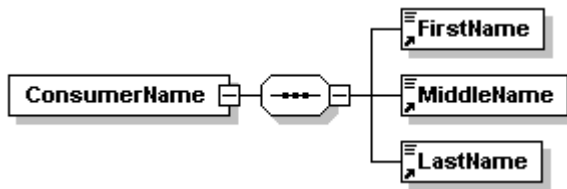
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4.1 ConsumerName

Description

This is the container element for the consumer name information.

Layout



Element Specifications

Usage	Optional – Once Maximum
Parent Elements	<ul style="list-style-type: none"> AccountInformation
Child Elements	<ul style="list-style-type: none"> FirstName MiddleName LastName
Type	xs:complexType
Facets	N/A
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.1.2.3.4.1.1 *FirstName*

Description

Lists the consumer's first name as it appears in the original sender's data repository.

Layout



Element Specifications

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

Source Design	<pre> <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> </pre>
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Attribute Specifications

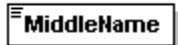
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4.1.2 *MiddleName*

Description

Lists the consumer's middle name as it appears in the original sender's data repository.

Layout



Element Specifications

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

Attribute Specifications

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

1.1.2.3.4.1.3 *LastName*

Description

Lists the consumer's last name as it appears in the original sender's data repository. This is mainly used for the *Account Number Lookup* process.

Layout



Element Specifications

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

Attribute Specifications

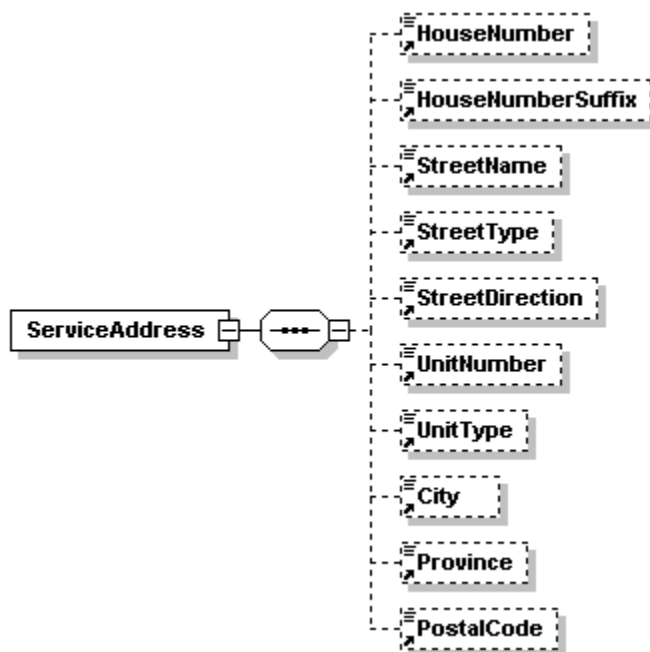
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4.2 ServiceAddress

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> AccountInformation

Child Elements	<ul style="list-style-type: none"> HouseNumber HouseNumberSuffix StreetName StreetType StreetDirection UnitNumber UnitType City Province PostalCode
Type	xs:complexType
Facets	N/A
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.1.2.3.4.2.1 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). This is mainly used for the *Account Number Lookup* process.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 10

Source Design	<pre> <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> </pre>
----------------------	--

Attribute Specifications

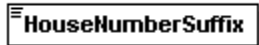
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4.2.2 *HouseNumberSuffix*

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.1.2.3.4.2.3 *StreetName*

Description

Lists the consumer's street name of the service address. This conforms to the Canada Post Address standards. This is mainly used for the *Account Number Lookup* process.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">ServiceAddress
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 55
Source Design	<pre><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></pre>

Attribute Specifications

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

1.1.2.3.4.2.4 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">ServiceAddress
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre><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></pre>

Attribute Specifications

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

1.1.2.3.4.2.5 StreetDirection

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">ServiceAddress
Child Elements	<ul style="list-style-type: none">None
Type	xs:NMTOKEN
Facets	Enumeration <ul style="list-style-type: none">NSWENWSWSE
Source Design	<pre><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></pre>

Attribute Specifications

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

1.1.2.3.4.2.6 UnitNumber

Description

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

Layout



Element Specifications

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

Child Elements	▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.1.2.3.4.2.7 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

Usage	Optional – Once Maximum (per parent element)
Parent Elements	▪ ServiceAddress
Child Elements	▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre> <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> </pre>

Attribute Specifications

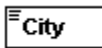
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4.2.8 City

Description

Lists the consumer's city of the service address.

Layout



Element Specifications

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

Attribute Specifications

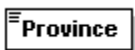
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.3.4.2.9 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

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">ServiceAddress
Child Elements	<ul style="list-style-type: none">None
Type	xs:NMTOKEN
Facets	Enumeration <ul style="list-style-type: none">ABBCMBNBNLNSONPEQCSKYT

Source Design

```

<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>

```

Attribute Specifications

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

1.1.2.3.4.2.10 PostalCode**Description**

Lists the consumer's Postal Code of the service address. This is mainly used for the *Account Number Lookup* process.

Layout**Element Specifications**

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	\p{Lu}\p{Nd}\p{Lu}\p{Nd}\p{Lu}\p{Nd} → C#C#C# (no spaces)
Source Design	<pre> <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> </pre>

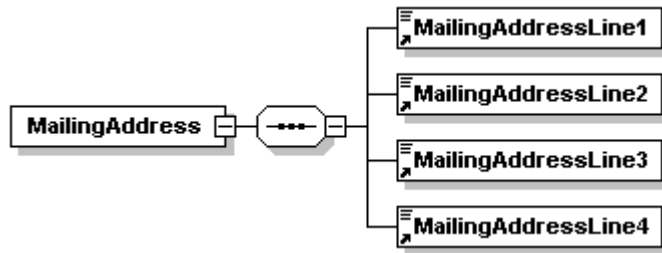
Attribute Specifications

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

1.1.2.3.4.3 MailingAddress**Description**

Lists the consumer's mailing address information. This is only used for information passing and not used for any validation of the transaction itself.

Layout



Element Specifications

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

Attribute Specifications

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

1.1.2.3.4.3.1 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"> MailingAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string

Facets	Min Length = 0; Max Length = 100
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.1.2.3.4.3.2 *MailingAddressLine2*

Description

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

Layout

 **MailingAddressLine2**

Element Specifications

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

Attribute Specifications

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

1.1.2.3.4.3.3 *MailingAddressLine3*

Description

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

Layout

 **MailingAddressLine3**

Element Specifications

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

Attribute Specifications

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

1.1.2.3.4.3.4 MailingAddressLine4

Description

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

Layout

MailingAddressLine4

Element Specifications

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

Attribute Specifications

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

1.1.2.3.4.4 GasVendorConsumerAccountNumber

Description

This contains Vendor's identifier for the consumer. This value is not validated and is returned in the response document.

Layout

GasVendorConsumerAccountNu...

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">AccountInformation
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 25
Source Design	<pre><xs:element name="GasVendorConsumerAccountNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="25"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

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

1.1.2.3.4.5 MeterNumber

Description

This contains the meter number of the consumer's service as listed in the original sender's data repository.

Layout

MeterNumber

Element Specifications

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

Attribute Specifications


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

1.1.2.3.5 CurrentPoolContractID

Description

This contains the current pool name (if Distributor is Enbridge Gas Distribution) or the current contract ID (if Distributor is Union Gas Limited). This is only applicable for the DeleteConsumerRequest and TransferConsumerRequest transactions.

Layout

 **CurrentPoolContractID**

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">TransferConsumerRequestDeleteConsumerRequest
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre><xs:element name="CurrentPoolContractID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications


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

1.1.2.3.6 NewPoolContractID

Description

This contains the new pool name (if Distributor is Enbridge Gas Distribution) or the new contract ID (if Distributor is Union Gas Limited). This is only applicable for the AddConsumerRequest and TransferConsumerRequest transactions.

Layout

 **NewPoolContractID**

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">TransferConsumerRequestAddConsumerRequest
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 40

Source Design	<pre> <xs:element name="NewPoolContractID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
----------------------	--

Attribute Specifications

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

1.1.2.3.7 CurrentPricePointID

Description

This contains the current PPG name (if Distributor is Enbridge Gas Distribution) or the current PricePointID (if Distributor is Union Gas Limited). This is only applicable for the DeleteConsumerRequest and TransferConsumerRequest transactions.

Layout

 **CurrentPricePointID**

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TransferConsumerRequest DeleteConsumerRequest
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre> <xs:element name="CurrentPricePointID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

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

1.1.2.3.8 NewPricePointID

Description

This contains the new PPG name (if Distributor is Enbridge Gas Distribution) or the new PricePointID (if Distributor is Union Gas Limited). This is only applicable for the AddConsumerRequest and TransferConsumerRequest transactions.

Layout

NewPricePointID

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">▪ TransferConsumerRequest▪ AddConsumerRequest
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre><xs:element name="NewPricePointID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

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

1.1.2.3.9 EffectiveDate

Description

This is the date on which the transaction is to be implemented (takes effect).

Layout

EffectiveDate

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">▪ TransferConsumerRequest▪ DeleteConsumerRequest▪ AddConsumerRequest
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:date
Facets	YYYY-MM-DD
Source Design	<pre><xs:element name="EffectiveDate" type="xs:date"/></pre>

Attribute Specifications

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

Schema Specifications – Gas Supply Change Response

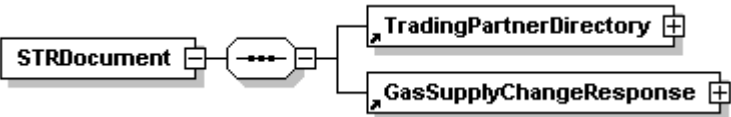
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

1.2 STRDocument

Description

This is the root element of the transaction response 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">▪ None
Child Elements	<ul style="list-style-type: none">▪ TradingPartnerDirectory▪ GasSupplyChangeResponse
Type	xs:complexType
Facets	N/A
Source Design	<pre><xs:element name="STRDocument"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartnerDirectory"/> <xs:element ref="GasSupplyChangeResponse"/> </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="GasSupplyChangeResponse"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/> <xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/> <xs:attribute name="CreationDate" type="xs:date" use="required"/> </xs:complexType> </xs:element></pre>

Attribute Specifications

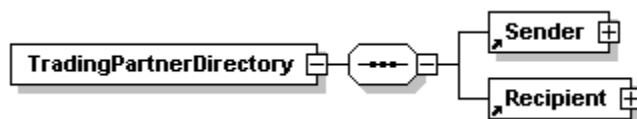
Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML schema that corresponds to this document. Currently, the version of the schema is 1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be: <i>GasSupplyChangeResponse</i>
VendorDocumentReference	xs:string	Optional	N/A	This is a variable identifier that does not have any format. It is intended for submitting parties to track specific request to response documents. The Gas Distributor will not modify the value in this field and will always return this same value in the response.
DistributorDocumentReference	xs:string	Optional	N/A	This is the distributor's document tracking identifier of the response 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

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> STRDocument

Child Elements	<ul style="list-style-type: none"> ▪ Sender ▪ Recipient
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="TradingPartnerDirectory"> <xs:complexType> <xs:sequence> <xs:element ref="Sender"/> <xs:element ref="Recipient"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

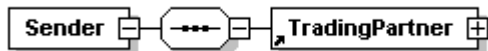
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

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 sending the response document.

Layout



Element Specifications

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

Attribute Specifications

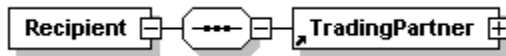
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

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 receiving the response document.

Layout



Element Specifications

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

Attribute Specifications

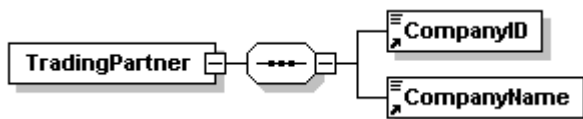
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

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 receiving the document.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> Sender Recipient
Child Elements	<ul style="list-style-type: none"> CompanyID CompanyName
Type	xs:complexType
Facets	N/A

Source Design	<pre> <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> </pre>
----------------------	---

Attribute Specifications

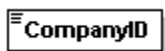
Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = <i>"Distributor"</i> and the Recipient's ParticipantType = <i>"Retailer"</i>.</p>

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 recipient of the document for this particular schema type, the value listed is the Distributor's identifier for the Vendor. For example, Vendors who receive from Enbridge Gas Distribution will see an SLAID while Vendors who receive from Union Gas Limited will see the Vendor's Dun & Bradstreet number (DUNS).

Layout



Element Specifications

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

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="CompanyName"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

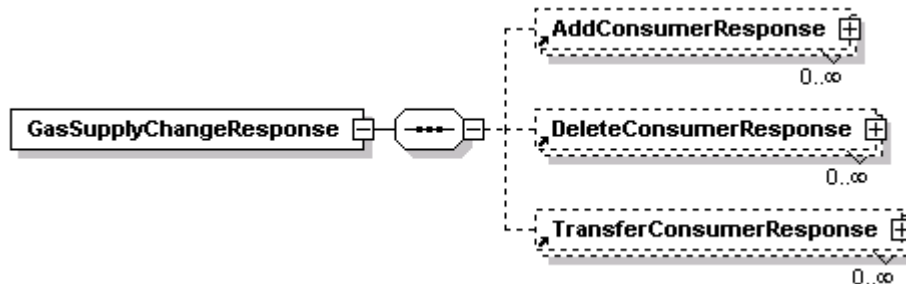
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2 *GasSupplyChangeResponse*

Description

This is the body element of the response. It contains the transaction specific STR record(s) that will appear inside the body and the related statuses of each.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> STRDocument
Child Elements	<ul style="list-style-type: none"> AddConsumerResponse DeleteConsumerResponse TransferConsumerResponse
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="GasSupplyChangeResponse"> <xs:complexType> <xs:sequence> <xs:element ref="AddConsumerResponse" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="DeleteConsumerResponse" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TransferConsumerResponse" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

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

1.2.2.1 AddConsumerResponse

Description

This is the container element for each consumer add response that facilitates either a System Gas-to-Vendor or a Vendor-to-Vendor STR.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> GasSupplyChangeResponse
Child Elements	<ul style="list-style-type: none"> STRID VendorTXNID AccountNumber AccountInformation NewPoolContractID NewPricePointID EffectiveDate Status Reason ReasonCode LastUpdated AdditionalInformation
Type	xs:complexType
Facets	N/A

Source Design

```
<xs:element name="AddConsumerResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="STRID" minOccurs="0"/>
      <xs:element ref="VendorTXNID" minOccurs="0"/>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="AccountInformation" minOccurs="0"/>
      <xs:element ref="NewPoolContractID"/>
      <xs:element ref="NewPricePointID"/>
      <xs:element ref="EffectiveDate" minOccurs="0"/>
      <xs:element ref="Status"/>
      <xs:element ref="Reason" minOccurs="0"/>
      <xs:element ref="ReasonCode" minOccurs="0"/>
      <xs:element ref="LastUpdated"/>
      <xs:element ref="AdditionalInformation" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="Action" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="New"/>
          <xs:enumeration value="Update"/>
          <xs:enumeration value="Rescind"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

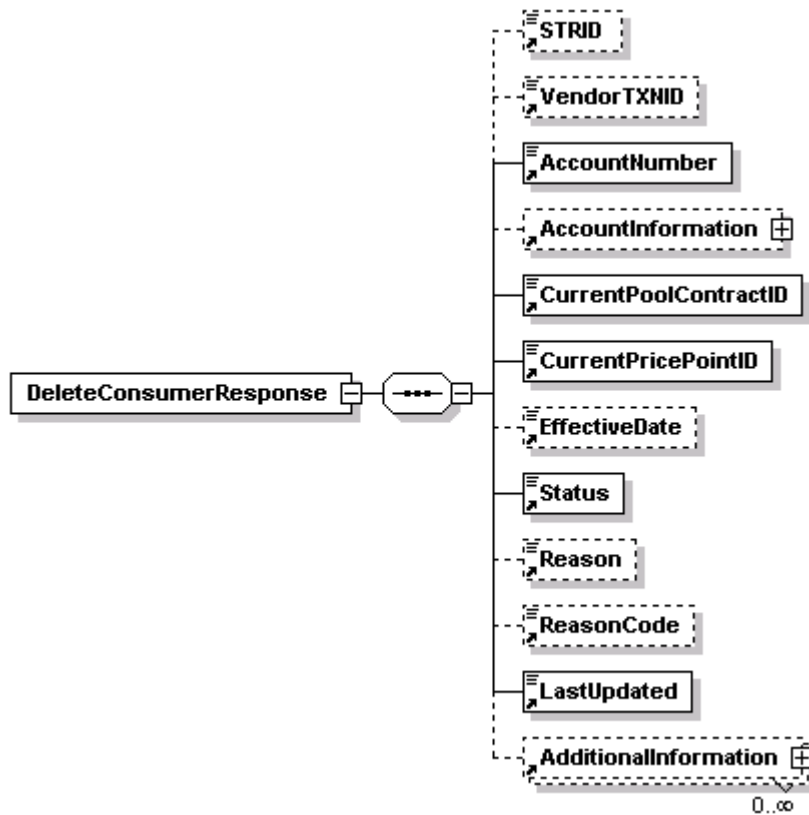
Attribute Specifications

Name	Type	Usage	Facets	Description
Action	xs:NMTOKEN	Required	Enum	Used to specify the action for this particular transaction. The only possible values are: <ul style="list-style-type: none">▪ New▪ Update▪ Rescind

1.2.2.2 DeleteConsumerResponse**Description**

This is the container element for each consumer delete response that facilitates a Move-to-System Gas STR.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> GasSupplyChangeResponse
Child Elements	<ul style="list-style-type: none"> STRID VendorTXNID AccountNumber AccountInformation CurrentPoolContractID CurrentPricePointID EffectiveDate Status Reason ReasonCode LastUpdated AdditionalInformation
Type	xs:complexType
Facets	N/A

Source Design

```
<xs:element name="DeleteConsumerResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="STRID" minOccurs="0"/>
      <xs:element ref="VendorTXNID" minOccurs="0"/>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="AccountInformation" minOccurs="0"/>
      <xs:element ref="CurrentPoolContractID"/>
      <xs:element ref="CurrentPricePointID"/>
      <xs:element ref="EffectiveDate" minOccurs="0"/>
      <xs:element ref="Status"/>
      <xs:element ref="Reason" minOccurs="0"/>
      <xs:element ref="ReasonCode" minOccurs="0"/>
      <xs:element ref="LastUpdated"/>
      <xs:element ref="AdditionalInformation" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="Action" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="New"/>
          <xs:enumeration value="Update"/>
          <xs:enumeration value="Rescind"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

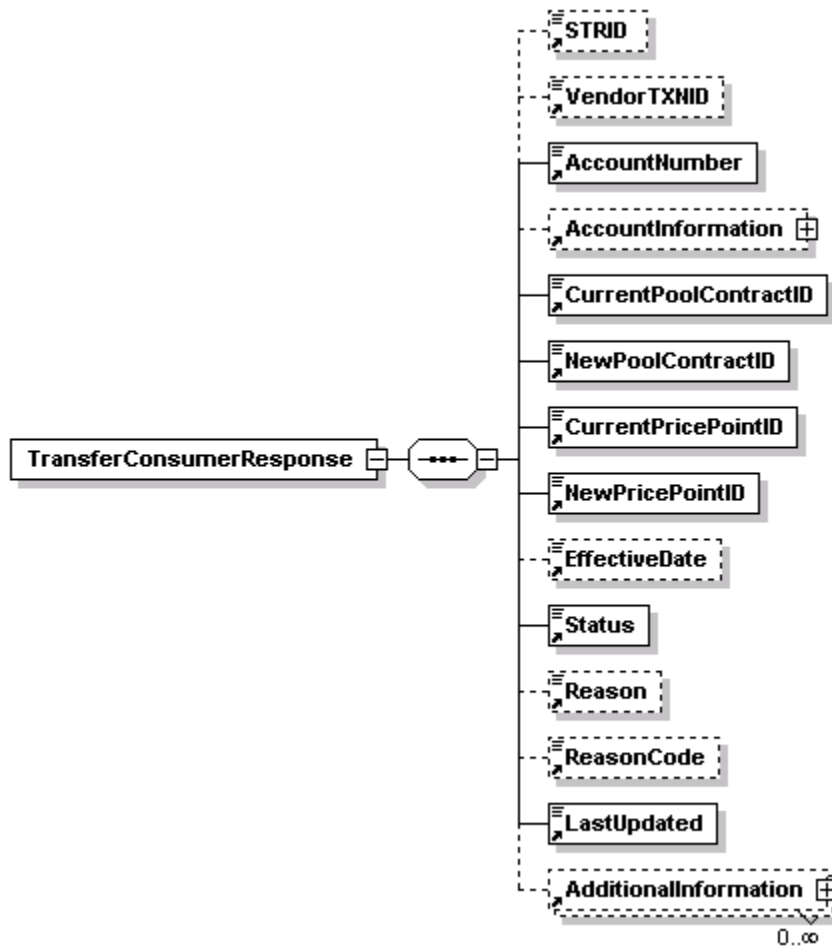
Attribute Specifications

Name	Type	Usage	Facets	Description
Action	xs:NMTOKEN	Required	Enum	Used to specify the action for this particular transaction. The only possible values are: <ul style="list-style-type: none">▪ New▪ Update▪ Rescind

1.2.2.3 TransferConsumerResponse**Description**

This is the container element for each consumer update response regarding attachments to Pool/Contracts and Price Points.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> GasSupplyChangeResponse
Child Elements	<ul style="list-style-type: none"> STRID VendorTXNID AccountNumber AccountInformation CurrentPoolContractID NewPoolContractID CurrentPricePointID NewPricePointID EffectiveDate Status Reason ReasonCode LastUpdated AdditionalInformation
Type	xs:complexType
Facets	N/A

Source Design

```
<xs:element name="TransferConsumerResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="STRID" minOccurs="0"/>
      <xs:element ref="VendorTXNID" minOccurs="0"/>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="AccountInformation" minOccurs="0"/>
      <xs:element ref="CurrentPoolContractID"/>
      <xs:element ref="NewPoolContractID"/>
      <xs:element ref="CurrentPricePointID"/>
      <xs:element ref="NewPricePointID"/>
      <xs:element ref="EffectiveDate" minOccurs="0"/>
      <xs:element ref="Status"/>
      <xs:element ref="Reason" minOccurs="0"/>
      <xs:element ref="ReasonCode" minOccurs="0"/>
      <xs:element ref="LastUpdated"/>
      <xs:element ref="AdditionalInformation" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="Action" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="New"/>
          <xs:enumeration value="Update"/>
          <xs:enumeration value="Rescind"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

Attribute Specifications

Name	Type	Usage	Facets	Description
Action	xs:NMTOKEN	Required	Enum	Used to specify the action for this particular transaction. The only possible values are: <ul style="list-style-type: none">▪ New▪ Update▪ Rescind

1.2.2.3.1 STRID

Description

This is the unique identifier for the transaction that is assigned by the Distributor for all new transactions. For “Rescind” and “Update” transaction actions, the Gas Distributor will echo back the value the vendor had submitted in the request.

Layout



Element Specifications

Usage	Optional – Once Maximum
Parent Elements	<ul style="list-style-type: none">▪ TransferConsumerResponse▪ DeleteConsumerResponse▪ AddConsumerResponse
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:string

Facets	[0-9]{0,15} → Digits, Min Length = 0, Max Length = 15
Source Design	<pre> <xs:element name="STRID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{0,15}"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

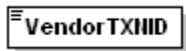
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.2 VendorTXNID

Description

This field holds the Vendor created identifier for the transaction as submitted in the request document. The field value is a direct echo from the original request document.

Layout



Element Specifications

Usage	Optional – Once Maximum
Parent Elements	<ul style="list-style-type: none"> ▪ TransferConsumerResponse ▪ DeleteConsumerResponse ▪ AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> ▪ None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="VendorTXNID" type="xs:string"> </pre>

Attribute Specifications

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

1.2.2.3.3 AccountNumber

Description

This is the distributor's identifier for the consumer. Account numbers at Enbridge Gas Distribution is a 12-digit identifier and is a 14-digit identifier at Union Gas Limited. If an account lookup was successfully completed, the resolved account number will be used as the element value.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse DeleteConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	[0-9]{0,14} → Digits, Min Length = 0, Max Length = 14
Source Design	<pre> <xs:element name="AccountNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{0,14}" /> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

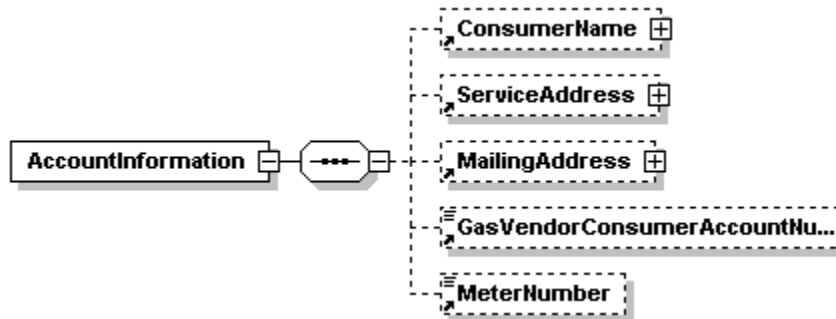
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4 AccountInformation

Description

This is the container element for the consumer information such as address information and name. This is an optional field and primarily used for the *Account Number Lookup* process to identify the consumer when the account number is unknown. All child element for this container will echo back the values submitted in the original request document.

Layout



Element Specifications

Usage	Optional – Once Maximum
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse DeleteConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> ConsumerName ServiceAddress MailingAddress GasVendorConsumerAccountNumber MeterNumber
Type	xs:complexType
Facets	N/A

Source Design	<pre> <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="GasVendorConsumerAccountNumber" minOccurs="0"/> <xs:element ref="MeterNumber" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
----------------------	---

Attribute Specifications

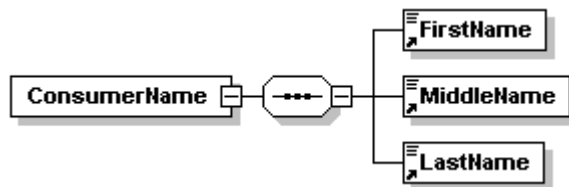
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.1 ConsumerName

Description

This is the container element for the consumer name information.

Layout



Element Specifications

Usage	Optional – Once Maximum
Parent Elements	<ul style="list-style-type: none"> AccountInformation
Child Elements	<ul style="list-style-type: none"> FirstName MiddleName LastName
Type	xs:complexType
Facets	N/A
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.2.2.3.4.1.1 *FirstName*

Description

Lists the consumer's first name as it appears in the Request document.

Layout



Element Specifications

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

Attribute Specifications

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

1.2.2.3.4.1.2 *MiddleName*

Description

Lists the consumer's middle name as it appears in the Request document.

Layout



Element Specifications

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

Attribute Specifications

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

1.2.2.3.4.1.3 *LastName*

Description

Lists the consumer's last name as it appears in the Request document.

Layout



Element Specifications

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

Attribute Specifications

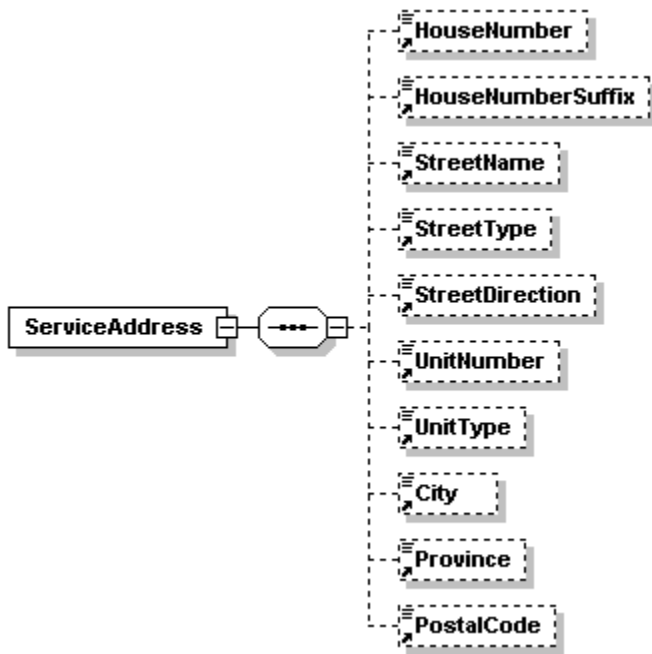
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.2 *ServiceAddress*

Description

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

Layout



Element Specifications

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

Attribute Specifications

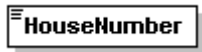
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.2.1 *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

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre><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></pre>

Attribute Specifications

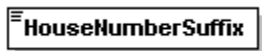
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.2.2 *HouseNumberSuffix*

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 10

Source Design	<pre> <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> </pre>
----------------------	--

Attribute Specifications

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

1.2.2.3.4.2.3 *StreetName*

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 55
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.2.2.3.4.2.4 *StreetType*

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.2.2.3.4.2.5 *StreetDirection*

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:NMTOKEN
Facets	Enumeration <ul style="list-style-type: none"> N S W E NW SW SE

Source Design	<pre> <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> </pre>
----------------------	--

Attribute Specifications

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

1.2.2.3.4.2.6 UnitNumber

Description

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

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.2.2.3.4.2.7 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

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">ServiceAddress
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 10
Source Design	<pre><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></pre>

Attribute Specifications

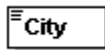
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.2.8 City

Description

Lists the consumer's city of the service address.

Layout



Element Specifications

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

Attribute Specifications

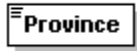
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.2.9 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

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">ServiceAddress
Child Elements	<ul style="list-style-type: none">None
Type	xs:NMTOKEN
Facets	Enumeration <ul style="list-style-type: none">ABBCMBNBNLNSONPEQCSKYT
Source Design	<pre><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></pre>

Attribute Specifications

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

1.2.2.3.4.2.10 PostalCode

Description

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

Layout

PostalCode

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> ServiceAddress
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	\p{Lu}\p{Nd}\p{Lu}\p{Nd}\p{Lu}\p{Nd} → C#C#C# (no spaces)
Source Design	<pre> <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> </pre>

Attribute Specifications

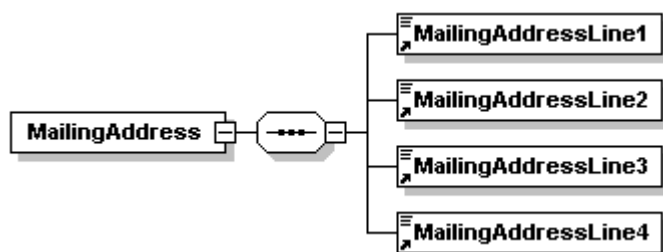
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.3 MailingAddress

Description

Lists the consumer's mailing address information. This is only used for information passing and not used for any validation of the transaction itself.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> AccountInformation
Child Elements	<ul style="list-style-type: none"> MailingAddressLine1 MailingAddressLine2 MailingAddressLine3 MailingAddressLine4
Type	xs:complexType
Facets	N/A

Source Design	<pre> <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> </pre>
----------------------	---

Attribute Specifications

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

1.2.2.3.4.3.1 *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"> ▪ MailingAddress
Child Elements	<ul style="list-style-type: none"> ▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 100
Source Design	<pre> <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> </pre>

Attribute Specifications

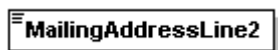
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.3.2 *MailingAddressLine2*

Description

This contains the second 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"> ▪ MailingAddress
Child Elements	<ul style="list-style-type: none"> ▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 100
Source Design	<pre> <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> </pre>

Attribute Specifications

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

1.2.2.3.4.3.3 *MailingAddressLine3*

Description

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

Layout

MailingAddressLine3

Element Specifications

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

Attribute Specifications

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

1.2.2.3.4.3.4 *MailingAddressLine4*

Description

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

Layout

 MailingAddressLine4

Element Specifications

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

Attribute Specifications

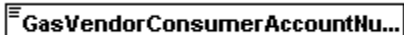
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.4.4 GasVendorConsumerAccountNumber

Description

This contains Vendor's identifier for the consumer.

Layout

 GasVendorConsumerAccountNu...

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">AccountInformation
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 25
Source Design	<pre><xs:element name="GasVendorConsumerAccountNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="25"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications


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

1.2.2.3.4.5 *MeterNumber*

Description

This contains the meter number of the consumer's service as listed in the Request document.

Layout

 **MeterNumber**

Element Specifications

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

Attribute Specifications

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

1.2.2.3.5 *CurrentPoolContractID*

Description

This contains the current pool name (if Distributor is Enbridge Gas Distribution) or the current contract ID (if Distributor is Union Gas Limited). This is only applicable for the DeleteConsumerResponse and TransferConsumerResponse transactions.

Layout

 **CurrentPoolContractID**

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">TransferConsumerResponseDeleteConsumerResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 40

Source Design	<pre> <xs:element name="CurrentPoolContractID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
----------------------	--

Attribute Specifications

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

1.2.2.3.6 NewPoolContractID

Description

This contains the new pool name (if Distributor is Enbridge Gas Distribution) or the new contract ID (if Distributor is Union Gas Limited). This is only applicable for the AddConsumerResponse and TransferConsumerResponse transactions.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre> <xs:element name="NewPoolContractID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

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

1.2.2.3.7 CurrentPricePointID

Description

This contains the current PPG name (if Distributor is Enbridge Gas Distribution) or the current PricePointID (if Distributor is Union Gas Limited). This is only applicable for the DeleteConsumerResponse and TransferConsumerResponse transactions.

Layout

CurrentPricePointID

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">TransferConsumerResponseDeleteConsumerResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre><xs:element name="CurrentPricePointID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

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

1.2.2.3.8 NewPricePointID

Description

This contains the new PPG name (if Distributor is Enbridge Gas Distribution) or the new PricePointID (if Distributor is Union Gas Limited). This is only applicable for the AddConsumerResponse and TransferConsumerResponse transactions.

Layout

NewPricePointID

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">TransferConsumerResponseAddConsumerResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	Min Length = 0; Max Length = 40
Source Design	<pre><xs:element name="NewPricePointID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

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

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

1.2.2.3.9 EffectiveDate

Description

This is where the date on which the transaction is to be implemented (takes effect) if the transaction is successful.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse DeleteConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> None
Type	xs:date
Facets	YYYY-MM-DD
Source Design	<xs:element name="EffectiveDate" type="xs:date"/>

Attribute Specifications

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

1.2.2.3.10 Status

Description

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

Pending:

The STR has yet to be fully processed. This includes initial screening of the STR.

Suspended – SD:

The STR is currently suspended due to insufficient security deposit

Suspended – AI:

The STR is suspended due to incomplete or inaccurate additional information and requires an update to the STR

Need to Verify:

The STR is currently being resolved to an account. This is only applicable to STRs that were submitted without an account number and require an *Account Number Lookup*.

Processed:

The STR has been validated, fully processed and notifications have been triggered. It will await the effective date before changes take effect.

Implemented:

The STR changes have taken effect since the effective date has occurred and/or has passed.

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.

Rejected:

- The STR has been rejected due to failed validation.
- Stopped:
The STR has stopped processing if there were no updates to suspended STRs within the allotted timeframe.
- Overwritten:
The STR has been overwritten by another processed STR whose effective date is the same or earlier than this STR.

Layout



Element Specifications

Usage	Required
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse DeleteConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> None
Type	xs:NMTOKEN
Facets	Enumeration <ul style="list-style-type: none"> Pending Suspended – SD Suspended – AI Need to verify Processed Implemented Rescinded Rejected Stopped Overwritten
Source Design	<pre> <xs:element name="Status"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Pending"/> <xs:enumeration value="Suspended - SD"/> <xs:enumeration value="Suspended - AI"/> <xs:enumeration value="Need to verify"/> <xs:enumeration value="Processed"/> <xs:enumeration value="Implemented"/> <xs:enumeration value="Rescinded"/> <xs:enumeration value="Rejected"/> <xs:enumeration value="Stopped"/> <xs:enumeration value="Overwritten"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

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

1.2.2.3.11 Reason

Description

This contains the textual description to why the STR currently has a particular status.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">▪ TransferConsumerResponse▪ DeleteConsumerResponse▪ AddConsumerResponse
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 400
Source Design	<pre><xs:element name="Reason"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="400"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

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

1.2.2.3.12 ReasonCode

Description

This is the numerical representation of the Reason field listed above.

Layout



Element Specifications

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

Attribute Specifications

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

1.2.2.3.13 *LastUpdated*

Description

This is the actual date on which the value reported in the *Status* field occurred for this STR.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse DeleteConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> None
Type	xs:dateTime
Facets	YYYY-MM-DDTHH:MM:SS
Source Design	<code><xs:element name="LastUpdated" type="xs:dateTime"/></code>

Attribute Specifications

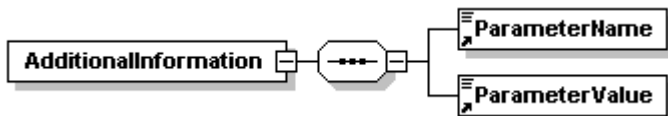
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.14 *AdditionalInformation*

Description

This is a container element that stores any dynamic data that may accompany the reason for status. For example, if an Add Consumer request had been suspended due to incorrect delivery area, then this section would contain the account's correct delivery area. This container along with its child elements will only be provided in responses by Union Gas.

Layout



Element Specifications

Usage	Optional – Unbounded
Parent Elements	<ul style="list-style-type: none"> TransferConsumerResponse DeleteConsumerResponse AddConsumerResponse
Child Elements	<ul style="list-style-type: none"> ParameterName ParameterValue
Type	xs:complexType

Facets	N/A
Source Design	<pre> <xs:element name="AdditionalInformation"> <xs:complexType> <xs:sequence> <xs:element ref="ParameterName"/> <xs:element ref="ParameterValue"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

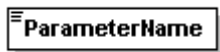
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.2.2.3.14.1 *ParameterName*

Description

This stores the name identifier of the dynamic data being passed in addition to the current status of the STR.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> AdditionalInformation
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	Min Length = 0; Max Length = 80
Source Design	<pre> <xs:element name="ParameterName"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

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

1.2.2.3.14.2 *ParameterValue*

Description

This contains the actual value of the additional information accompanying the status and identified by the parameter name.

Layout

ParameterValue

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">▪ AdditionalInformation
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:string
Facets	Min Length = 0; Max Length = 300
Source Design	<pre><xs:element name="ParameterValue"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="300"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

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

Appendix A – Gas Supply Change Request 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="GasSupplyChangeRequest"/>
      </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="GasSupplyChangeRequest"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="VendorDocumentReference" 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="GasSupplyChangeRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AddConsumerRequest" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="DeleteConsumerRequest" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="TransferConsumerRequest" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="TransferConsumerRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="STRID" minOccurs="0"/>
      <xs:element ref="VendorTXNID" minOccurs="0"/>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="AccountInformation" minOccurs="0"/>
      <xs:element ref="CurrentPoolContractID"/>
      <xs:element ref="NewPoolContractID"/>
      <xs:element ref="CurrentPricePointID"/>
      <xs:element ref="NewPricePointID"/>
      <xs:element ref="EffectiveDate" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="Action" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="New"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>

```

```

        <xs:enumeration value="Update"/>
        <xs:enumeration value="Rescind"/>
    </xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:complexType>
</xs:element>
<xs:element name="DeleteConsumerRequest">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="STRID" minOccurs="0"/>
            <xs:element ref="VendorTXNID" minOccurs="0"/>
            <xs:element ref="AccountNumber"/>
            <xs:element ref="AccountInformation" minOccurs="0"/>
            <xs:element ref="CurrentPoolContractID"/>
            <xs:element ref="CurrentPricePointID"/>
            <xs:element ref="EffectiveDate" minOccurs="0"/>
        </xs:sequence>
        <xs:attribute name="Action" use="required">
            <xs:simpleType>
                <xs:restriction base="xs:NMTOKEN">
                    <xs:enumeration value="New"/>
                    <xs:enumeration value="Update"/>
                    <xs:enumeration value="Rescind"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:attribute>
    </xs:complexType>
</xs:element>
<xs:element name="AddConsumerRequest">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="STRID" minOccurs="0"/>
            <xs:element ref="VendorTXNID" minOccurs="0"/>
            <xs:element ref="AccountNumber"/>
            <xs:element ref="AccountInformation" minOccurs="0"/>
            <xs:element ref="NewPoolContractID"/>
            <xs:element ref="NewPricePointID"/>
            <xs:element ref="EffectiveDate" minOccurs="0"/>
        </xs:sequence>
        <xs:attribute name="Action" use="required">
            <xs:simpleType>
                <xs:restriction base="xs:NMTOKEN">
                    <xs:enumeration value="New"/>
                    <xs:enumeration value="Update"/>
                    <xs:enumeration value="Rescind"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:attribute>
    </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:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="VendorTXNID" type="xs:string"/>
    <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="GasVendorConsumerAccountNumber" 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>

```

```

<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:restriction>
  </xs:simpleType>
</xs:element>

```

```

        <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="GasVendorConsumerAccountNumber">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="25"/>
    </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:simpleType>
  </xs:element>
  <xs:element name="CurrentPoolContractID">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0"/>
        <xs:maxLength value="40"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="NewPoolContractID">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0"/>
        <xs:maxLength value="40"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="CurrentPricePointID">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="0"/>
        <xs:maxLength value="40"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="NewPricePointID">
    <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:schema>

```

Appendix B – Gas Supply Change Response 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="GasSupplyChangeResponse"/>
      </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="GasSupplyChangeResponse"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/>
      <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="GasSupplyChangeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AddConsumerResponse" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="DeleteConsumerResponse" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="TransferConsumerResponse" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="TransferConsumerResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="STRID" minOccurs="0"/>
      <xs:element ref="VendorTXNID" minOccurs="0"/>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="AccountInformation" minOccurs="0"/>
      <xs:element ref="CurrentPoolContractID"/>
      <xs:element ref="NewPoolContractID"/>
      <xs:element ref="CurrentPricePointID"/>
      <xs:element ref="NewPricePointID"/>
      <xs:element ref="EffectiveDate" minOccurs="0"/>
      <xs:element ref="Status"/>
      <xs:element ref="Reason" minOccurs="0"/>
      <xs:element ref="ReasonCode" minOccurs="0"/>
      <xs:element ref="LastUpdated"/>
      <xs:element ref="AdditionalInformation" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        <xs:attribute name="Action" use="required">
          <xs:simpleType>
            <xs:restriction base="xs:NMTOKEN">
              <xs:enumeration value="New"/>
              <xs:enumeration value="Update"/>
              <xs:enumeration value="Rescind"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
    <xs:element name="DeleteConsumerResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="STRID" minOccurs="0"/>
          <xs:element ref="VendorTXNID" minOccurs="0"/>
          <xs:element ref="AccountNumber"/>
          <xs:element ref="AccountInformation" minOccurs="0"/>
          <xs:element ref="CurrentPoolContractID"/>
          <xs:element ref="CurrentPricePointID"/>
          <xs:element ref="EffectiveDate" minOccurs="0"/>
          <xs:element ref="Status"/>
          <xs:element ref="Reason" minOccurs="0"/>
          <xs:element ref="ReasonCode" minOccurs="0"/>
          <xs:element ref="LastUpdated"/>
          <xs:element ref="AdditionalInformation" minOccurs="0" maxOccurs="unbounded"/>
        </xs:sequence>
        <xs:attribute name="Action" use="required">
          <xs:simpleType>
            <xs:restriction base="xs:NMTOKEN">
              <xs:enumeration value="New"/>
              <xs:enumeration value="Update"/>
              <xs:enumeration value="Rescind"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
    <xs:element name="AddConsumerResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="STRID" minOccurs="0"/>
          <xs:element ref="VendorTXNID" minOccurs="0"/>
          <xs:element ref="AccountNumber"/>
          <xs:element ref="AccountInformation" minOccurs="0"/>
          <xs:element ref="NewPoolContractID"/>
          <xs:element ref="NewPricePointID"/>
          <xs:element ref="EffectiveDate" minOccurs="0"/>
          <xs:element ref="Status"/>
          <xs:element ref="Reason" minOccurs="0"/>
          <xs:element ref="ReasonCode" minOccurs="0"/>
          <xs:element ref="LastUpdated"/>
          <xs:element ref="AdditionalInformation" minOccurs="0" maxOccurs="unbounded"/>
        </xs:sequence>
        <xs:attribute name="Action" use="required">

```

```

        <xs:simpleType>
          <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="New"/>
            <xs:enumeration value="Update"/>
            <xs:enumeration value="Rescind"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
    </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="VendorTXNID" type="xs:string"/>
  <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="GasVendorConsumerAccountNumber" 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="GasVendorConsumerAccountNumber">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="25"/>
    </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="CurrentPoolContractID">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="NewPoolContractID">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="CurrentPricePointID">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="NewPricePointID">
  <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="Pending"/>
      <xs:enumeration value="Suspended - SD"/>
      <xs:enumeration value="Suspended - AI"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

```

        <xs:enumeration value="Need to verify"/>
        <xs:enumeration value="Processed"/>
        <xs:enumeration value="Implemented"/>
        <xs:enumeration value="Rescinded"/>
        <xs:enumeration value="Rejected"/>
        <xs:enumeration value="Stopped"/>
        <xs:enumeration value="Overwritten"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Reason">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="400"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ReasonCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="10"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="LastUpdated" type="xs:dateTime"/>
<xs:element name="AdditionalInformation">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="ParameterName"/>
            <xs:element ref="ParameterValue"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ParameterName">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="80"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ParameterValue">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="300"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:schema>

```

Appendix C – Gas Supply Change Request XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<STRDocument Version="1.2" DocumentDefinitionName="GasSupplyChangeRequest" VendorDocumentReference="ABCDE" CreationDate="2003-07-13"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>123456789</CompanyID>
        <CompanyName>ABC Engery Limited</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>987654321</CompanyID>
        <CompanyName>ACME Gas Distributor</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <GasSupplyChangeRequest>
    <AddConsumerRequest Action="Update">
      <STRID>3</STRID>
      <VendorTXNID>ABC12344</VendorTXNID>
      <AccountNumber>121212121212</AccountNumber>
      <AccountInformation>
        <ConsumerName>
          <FirstName>Stan</FirstName>
          <MiddleName>Peter</MiddleName>
          <LastName>Mikita</LastName>
        </ConsumerName>
        <ServiceAddress>
          <HouseNumber>172</HouseNumber>
          <HouseNumberSuffix>B</HouseNumberSuffix>
          <StreetName>Bloomington</StreetName>
          <StreetType>CRES</StreetType>
          <StreetDirection>N</StreetDirection>
          <UnitNumber>17</UnitNumber>
          <UnitType>SUITE</UnitType>
          <City>Halladay</City>
          <Province>ON</Province>
          <PostalCode>A4B7A3</PostalCode>
        </ServiceAddress>
      </AccountInformation>
      <NewPoolContractID>SA3456</NewPoolContractID>
      <NewPricePointID>11099</NewPricePointID>
      <EffectiveDate>2003-11-01</EffectiveDate>
    </AddConsumerRequest>
    <AddConsumerRequest Action="New">
      <VendorTXNID>ABC12345</VendorTXNID>
      <AccountNumber/>
      <AccountInformation>
        <ConsumerName>
          <FirstName>Frank</FirstName>
          <MiddleName/>
```

```

        <LastName>Mahovalich</LastName>
    </ConsumerName>
    <ServiceAddress>
        <HouseNumber>17</HouseNumber>
        <HouseNumberSuffix>A</HouseNumberSuffix>
        <StreetName>Shipley</StreetName>
        <StreetType>AVE</StreetType>
        <City>Hexville</City>
        <Province>ON</Province>
        <PostalCode>B3A7A9</PostalCode>
    </ServiceAddress>
</AccountInformation>
<NewPoolContractID>SA4567</NewPoolContractID>
<NewPricePointID>12345</NewPricePointID>
<EffectiveDate>2003-11-01</EffectiveDate>
</AddConsumerRequest>
<DeleteConsumerRequest Action="Rescind">
    <STRID>2</STRID>
    <VendorTXNID>ABC12346</VendorTXNID>
    <AccountNumber>12345677654321</AccountNumber>
    <AccountInformation>
        <ConsumerName>
            <FirstName>Bobby</FirstName>
            <MiddleName/>
            <LastName>Hull</LastName>
        </ConsumerName>
        <ServiceAddress>
            <HouseNumber>171</HouseNumber>
            <HouseNumberSuffix>A</HouseNumberSuffix>
            <StreetName>Bloomington</StreetName>
            <StreetType>CRES</StreetType>
            <StreetDirection>N</StreetDirection>
            <UnitNumber>17</UnitNumber>
            <UnitType>SUITE</UnitType>
            <City>Halladay</City>
            <Province>ON</Province>
            <PostalCode>A4B7A1</PostalCode>
        </ServiceAddress>
        <MailingAddress>
            <MailingAddressLine1>Bobby Hull</MailingAddressLine1>
            <MailingAddressLine2>Finance Dept</MailingAddressLine2>
            <MailingAddressLine3>15-117B Barnyard ST NW</MailingAddressLine3>
            <MailingAddressLine4>Hull QC H1Z 2Y4</MailingAddressLine4>
        </MailingAddress>
        <GasVendorConsumerAccountNumber>2345678</GasVendorConsumerAccountNumber>
        <MeterNumber>11092</MeterNumber>
    </AccountInformation>
    <CurrentPoolContractID>SA2345</CurrentPoolContractID>
    <CurrentPricePointID>14152</CurrentPricePointID>
    <EffectiveDate>2003-12-01</EffectiveDate>
</DeleteConsumerRequest>
<TransferConsumerRequest Action="New">
    <VendorTXNID>ABC12347</VendorTXNID>
    <AccountNumber>1111117777777</AccountNumber>
    <AccountInformation>

```

```
<ConsumerName>
  <FirstName>John</FirstName>
  <MiddleName>R.</MiddleName>
  <LastName>Bucyk</LastName>
</ConsumerName>
<ServiceAddress>
  <HouseNumber>123</HouseNumber>
  <StreetName>Avenue</StreetName>
  <StreetType>RD</StreetType>
  <UnitNumber>1000</UnitNumber>
  <UnitType>APT</UnitType>
  <City>Lexington</City>
  <Province>ON</Province>
  <PostalCode>A0B1C2</PostalCode>
</ServiceAddress>
<GasVendorConsumerAccountNumber>1234567</GasVendorConsumerAccountNumber>
<MeterNumber>10923</MeterNumber>
</AccountInformation>
<CurrentPoolContractID>SA1234</CurrentPoolContractID>
<NewPoolContractID>SA1234</NewPoolContractID>
<CurrentPricePointID>10112</CurrentPricePointID>
<NewPricePointID>10113</NewPricePointID>
<EffectiveDate>2003-11-01</EffectiveDate>
</TransferConsumerRequest>
</GasSupplyChangeRequest>
</STRDocument>
```

Appendix D – Gas Supply Change Response XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<STRDocument Version="1.2" DocumentDefinitionName="GasSupplyChangeResponse" VendorDocumentReference="ABCDE" DistributorDocumentReference="N2B1C"
CreationDate="2003-09-15" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>987654321</CompanyID>
        <CompanyName>ACME Gas Distributor</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>123456789</CompanyID>
        <CompanyName>ABC Energy Limited</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <GasSupplyChangeResponse>
    <AddConsumerResponse Action="Update">
      <STRID>3</STRID>
      <VendorTXNID>ABC12344</VendorTXNID>
      <AccountNumber>121212121212</AccountNumber>
      <AccountInformation>
        <ConsumerName>
          <FirstName>Stan</FirstName>
          <MiddleName>Peter</MiddleName>
          <LastName>Mikita</LastName>
        </ConsumerName>
        <ServiceAddress>
          <HouseNumber>172</HouseNumber>
          <HouseNumberSuffix>B</HouseNumberSuffix>
          <StreetName>Bloomington</StreetName>
          <StreetType>CRES</StreetType>
          <StreetDirection>N</StreetDirection>
          <UnitNumber>17</UnitNumber>
          <UnitType>SUITE</UnitType>
          <City>Halladay</City>
          <Province>ON</Province>
          <PostalCode>A4B7A3</PostalCode>
        </ServiceAddress>
      </AccountInformation>
      <NewPoolContractID>SA3456</NewPoolContractID>
      <NewPricePointID>11099</NewPricePointID>
      <EffectiveDate>2003-11-01</EffectiveDate>
      <Status>Processed</Status>
      <Reason>The update has been sucessfully processed.</Reason>
      <ReasonCode>C1005</ReasonCode>
      <LastUpdated>2003-09-15T12:00:00</LastUpdated>
      <AdditionalInformation>
        <ParameterName>OrigVREF</ParameterName>
        <ParameterValue>ABCDD</ParameterValue>
      </AdditionalInformation>
    </AddConsumerResponse>
  </GasSupplyChangeResponse>
</STRDocument>
```

```

</AddConsumerResponse>
<AddConsumerResponse Action="New">
  <STRID>4</STRID>
  <VendorTXNID>ABC12345</VendorTXNID>
  <AccountNumber/>
  <AccountInformation>
    <ConsumerName>
      <FirstName>Frank</FirstName>
      <MiddleName/>
      <LastName>Mahovalich</LastName>
    </ConsumerName>
    <ServiceAddress>
      <HouseNumber>17</HouseNumber>
      <StreetName>Shipley</StreetName>
      <StreetType>AVE</StreetType>
      <City>Hexville</City>
      <Province>ON</Province>
      <PostalCode>B3A7A9</PostalCode>
    </ServiceAddress>
  </AccountInformation>
  <NewPoolContractID>SA4567</NewPoolContractID>
  <NewPricePointID>12345</NewPricePointID>
  <EffectiveDate>2003-11-01</EffectiveDate>
  <Status>Need to verify</Status>
  <Reason>Account Resolution is pending.</Reason>
  <ReasonCode>C1001</ReasonCode>
  <LastUpdated>2003-09-15T13:01:07</LastUpdated>
</AddConsumerResponse>
<DeleteConsumerResponse Action="Rescind">
  <STRID>2</STRID>
  <VendorTXNID>ABC12346</VendorTXNID>
  <AccountNumber>12345677654321</AccountNumber>
  <AccountInformation>
    <ConsumerName>
      <FirstName>Bobby</FirstName>
      <MiddleName/>
      <LastName>Hull</LastName>
    </ConsumerName>
    <ServiceAddress>
      <HouseNumber>171</HouseNumber>
      <HouseNumberSuffix>A</HouseNumberSuffix>
      <StreetName>Bloomington</StreetName>
      <StreetType>CRES</StreetType>
      <StreetDirection>N</StreetDirection>
      <UnitNumber>17</UnitNumber>
      <UnitType>SUITE</UnitType>
      <City>Halladay</City>
      <Province>ON</Province>
      <PostalCode>A4B7A1</PostalCode>
    </ServiceAddress>
    <MailingAddress>
      <MailingAddressLine1>Bobby Hull</MailingAddressLine1>
      <MailingAddressLine2>Finance Dept</MailingAddressLine2>
      <MailingAddressLine3>15-117B Barnyard ST NW</MailingAddressLine3>
      <MailingAddressLine4>Hull QC H1Z 2Y4</MailingAddressLine4>
    </MailingAddress>
  </AccountInformation>
</DeleteConsumerResponse>

```

```

        </MailingAddress>
        <GasVendorConsumerAccountNumber>2345678</GasVendorConsumerAccountNumber>
        <MeterNumber>11092</MeterNumber>
    </AccountInformation>
    <CurrentPoolContractID>SA2345</CurrentPoolContractID>
    <CurrentPricePointID>14152</CurrentPricePointID>
    <EffectiveDate>2003-12-01</EffectiveDate>
    <Status>Rejected</Status>
    <Reason>The rescind window for this STR has already been closed.</Reason>
    <ReasonCode>C1142</ReasonCode>
    <LastUpdated>2003-09-15T15:13:27</LastUpdated>
</DeleteConsumerResponse>
<TransferConsumerResponse Action="New">
    <STRID>1</STRID>
    <VendorTXNID>ABC12347</VendorTXNID>
    <AccountNumber>1111117777777</AccountNumber>
    <AccountInformation>
        <ConsumerName>
            <FirstName>John</FirstName>
            <MiddleName>R.</MiddleName>
            <LastName>Bucyk</LastName>
        </ConsumerName>
        <ServiceAddress>
            <HouseNumber>123</HouseNumber>
            <StreetName>Avenue</StreetName>
            <StreetType>RD</StreetType>
            <UnitNumber>1000</UnitNumber>
            <UnitType>APT</UnitType>
            <City>Lexington</City>
            <Province>ON</Province>
            <PostalCode>A0B1C2</PostalCode>
        </ServiceAddress>
        <GasVendorConsumerAccountNumber>1234567</GasVendorConsumerAccountNumber>
        <MeterNumber>10923</MeterNumber>
    </AccountInformation>
    <CurrentPoolContractID>SA1234</CurrentPoolContractID>
    <NewPoolContractID>SA1234</NewPoolContractID>
    <CurrentPricePointID>10112</CurrentPricePointID>
    <NewPricePointID>10113</NewPricePointID>
    <EffectiveDate>2003-11-01</EffectiveDate>
    <Status>Suspended - AI</Status>
    <Reason>The consumer specified is in a different delivery area than the contract/price point specified.</Reason>
    <ReasonCode>C1017</ReasonCode>
    <LastUpdated>2003-09-15T14:09:42</LastUpdated>
    <AdditionalInformation>
        <ParameterName>ConsumerDA</ParameterName>
        <ParameterValue>EDA</ParameterValue>
    </AdditionalInformation>
    <AdditionalInformation>
        <ParameterName>PricePointDA</ParameterName>
        <ParameterValue>CDA</ParameterValue>
    </AdditionalInformation>
</TransferConsumerResponse>
</GasSupplyChangeResponse>
</STRDocument>

```