

## Schema Design – Gas Supply Consumption

### **GDAR Design**

December 17, 2003

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## Revision History

Date	Version	Description	Author
October 3, 2003	0.1	Initial Creation	Michael Benovich, Sapiient Corporation
October 4, 2003	0.2	Internal Review revisions	Vu Pham-Tran, Sapiient Corporation
October 5,	0.3	Business Descriptions added	Vu Pham-Tran, Sapiient Corporation
October 7,	0.4	Schema Changes applied and examples updated to appendix	Vu Pham-Tran, Sapiient Corporation

# 1 Schema Specifications – Gas Supply Consumption Request

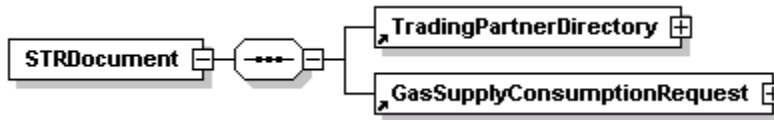
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

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

### Attribute Specifications

Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML schema that corresponds to

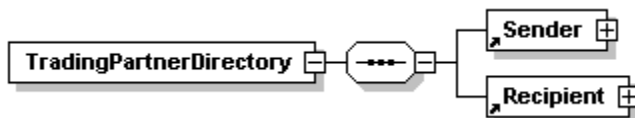
				this document. Currently, the version of the schema is 1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be:  <i>GasSupplyConsumptionRequest</i>
VendorDocumentReference	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

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>Sender</li> <li>Recipient</li> </ul>
<b>Type</b>	xs:complexType

<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="TradingPartnerDirectory"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="Sender"/&gt;       &lt;xs:element ref="Recipient"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

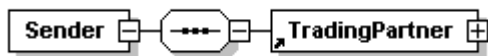
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.1.1 Sender

##### Description

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

##### Layout



### Element Specifications

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

### Attribute Specifications

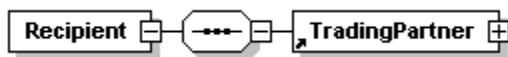
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.1.2 Recipient

##### Description

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

##### Layout



## Element Specifications

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

## Attribute Specifications

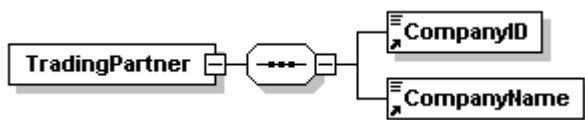
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 1.1.1.2.1 TradingPartner

#### Description

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

#### Layout



## Element Specifications

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

<b>Source Design</b>	<pre> &lt;xs:element name="TradingPartner"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="CompanyID"/&gt;       &lt;xs:element ref="CompanyName"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="ParticipantType" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="Distributor"/&gt;           &lt;xs:enumeration value="Retailer"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
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## Attribute Specifications

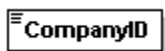
Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = <i>"Retailer"</i> and the Recipient's ParticipantType = <i>"Distributor"</i>.</p>

### 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

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

## Attribute Specifications



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

#### 1.1.1.2.1.2 *CompanyName*

##### Description

This element contains the company's name, either the Vendor if it is the 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"> <li>TradingPartner</li> </ul>
Child Elements	<ul style="list-style-type: none"> <li>None</li> </ul>
Type	xs:string
Facets	N/A
Source Design	<pre>&lt;xs:element name="CompanyName"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"/&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

##### Attribute Specifications

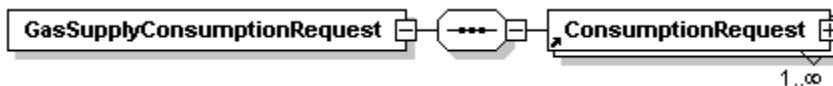
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2 *GasSupplyConsumptionRequest*

##### Description

This body element containing the consumption requests for the document.

##### Layout



##### Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
Child Elements	<ul style="list-style-type: none"> <li>ConsumptionRequest</li> </ul>
Type	xs:complexType
Facets	N/A

<b>Source Design</b>	<pre> &lt;xs:element name="GasSupplyConsumptionRequest"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="ConsumptionRequest" maxOccurs="unbounded"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
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#### Attribute Specifications

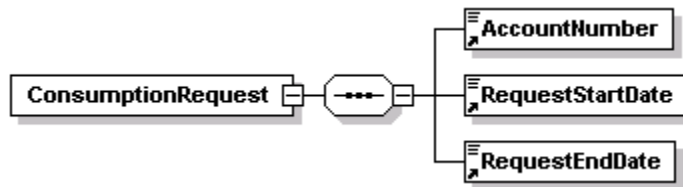
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 1.1.2.1 ConsumptionRequest

##### Description

Insert description here.

##### Layout



#### Element Specifications

<b>Usage</b>	Required – Unbounded
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>GasSupplyConsumptionRequest</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>AccountNumber</li> <li>RequestStartDate</li> <li>RequestEndDate</li> </ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="ConsumptionRequest"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="AccountNumber"/&gt;       &lt;xs:element ref="RequestStartDate"/&gt;       &lt;xs:element ref="RequestEndDate"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

#### Attribute Specifications

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

#### 1.1.2.1.1 AccountNumber

##### Description

This is the unique identifier for the account.

##### Layout

### AccountNumber

#### Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"><li>ConsumptionRequest</li></ul>
Child Elements	<ul style="list-style-type: none"><li>None</li></ul>
Type	xs:string
Facets	<ul style="list-style-type: none"><li>minLength = 6</li><li>maxLength = 14</li></ul>
Source Design	<pre>&lt;xs:element name="AccountNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="6"/&gt;       &lt;xs:maxLength value="14"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

#### Attribute Specifications

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

#### 1.1.2.1.2 RequestStartDate

##### Description

This is the start date of the consumption request window.

##### Layout

### RequestStartDate

#### Element Specifications

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

#### Attribute Specifications

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

#### 1.1.2.1.3 RequestEndDate

##### Description

This is the end date of the consumption request window.

##### Layout

### RequestEndDate

## Element Specifications

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>ConsumptionRequest</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>None</li></ul>
<b>Type</b>	xs:date
<b>Facets</b>	YYYY-MM-DD
<b>Source Design</b>	<code>&lt;xs:element name="RequestEndDate" type="xs:date"/&gt;</code>

## Attribute Specifications

<b>Name</b>	<b>Type</b>	<b>Usage</b>	<b>Facets</b>	<b>Description</b>
N/A	N/A	N/A	N/A	N/A

## 2 Schema Specifications – Gas Supply Consumption Response

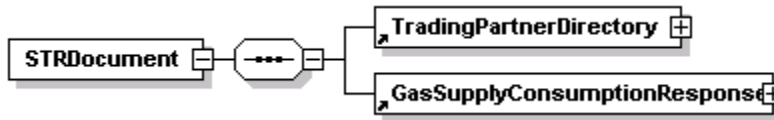
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

### 2.1 STRDocument

#### Description

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

#### Layout



#### Element Specifications

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

#### Attribute Specifications

Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML

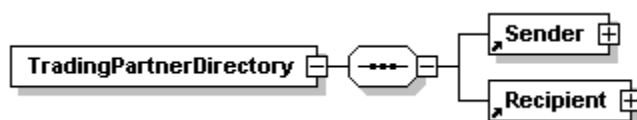
				schema that corresponds to this document. Currently, the version of the schema is 1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be:  <i>GasSupplyConsumptionResponse</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.

### 2.1.1 TradingPartnerDirectory

#### Description

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

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>STRDocument</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>Sender</li> <li>Recipient</li> </ul>
<b>Type</b>	xs:complexType

<b>Facets</b>	N/A
<b>Source Design</b>	<pre> &lt;xs:element name="TradingPartnerDirectory"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="Sender"/&gt;       &lt;xs:element ref="Recipient"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

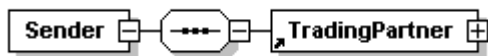
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 2.1.1.1 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

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

### Attribute Specifications

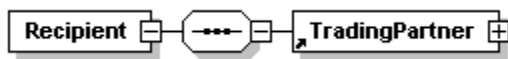
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 2.1.1.2 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

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

## Attribute Specifications

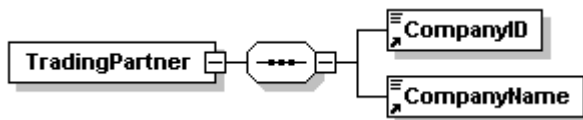
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 2.1.1.2.1 TradingPartner

#### Description

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

#### Layout



## Element Specifications

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



<b>Source Design</b>	<pre> &lt;xs:element name="TradingPartner"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="CompanyID"/&gt;       &lt;xs:element ref="CompanyName"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="ParticipantType" use="required"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="Distributor"/&gt;           &lt;xs:enumeration value="Retailer"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
----------------------	---

## Attribute Specifications

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

### 2.1.1.2.1.1 CompanyID

#### Description

This element contains the unique identifier of the company identified by the TradingPartner. If the TradingPartner is the 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

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

## Attribute Specifications

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

#### 2.1.1.2.1.2 *CompanyName*

##### Description

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

##### Layout



##### Element Specifications

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

##### Attribute Specifications

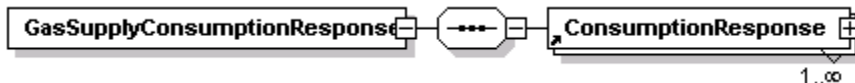
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 2.1.2 *GasSupplyConsumptionResponse*

##### 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"> <li>STRDocument</li> </ul>
Child Elements	<ul style="list-style-type: none"> <li>ConsumptionResponse</li> </ul>
Type	xs:complexType
Facets	N/A

**Source Design**

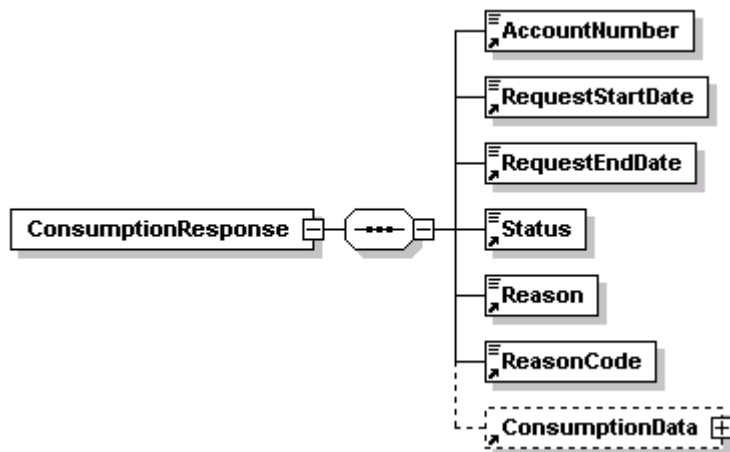
```
<xs:element name="GasSupplyConsumptionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ConsumptionResponse" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**Attribute Specifications**

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

**2.1.2.1 ConsumptionResponse****Description**

This is the container element for the response statuses of the original request.

**Layout****Element Specifications**

<b>Usage</b>	Required – Unbounded
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>GasSupplyConsumptionResponse</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>AccountNumber</li><li>RequestStartDate</li><li>RequestEndDate</li><li>Status</li><li>Reason</li><li>ReasonCode</li><li>ConsumptionData</li></ul>
<b>Type</b>	xs:complexType
<b>Facets</b>	N/A

<b>Source Design</b>	<pre> &lt;xs:element name="ConsumptionResponse"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="AccountNumber"/&gt;       &lt;xs:element ref="RequestStartDate"/&gt;       &lt;xs:element ref="RequestEndDate"/&gt;       &lt;xs:element ref="Status"/&gt;       &lt;xs:element ref="Reason"/&gt;       &lt;xs:element ref="ReasonCode"/&gt;       &lt;xs:element ref="ConsumptionData" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
----------------------	---

## Attribute Specifications

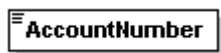
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 2.1.2.1.1 AccountNumber

#### Description

This is the unique identifier of the account.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ConsumptionResponse</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>minLength = 6</li> <li>maxLength = 14</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="AccountNumber"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="6"/&gt;       &lt;xs:maxLength value="14"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

## Attribute Specifications

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

### 2.1.2.1.2 RequestStartDate

#### Description

This is the start date of the of the consumption request window in the original request document.

#### Layout



#### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ConsumptionResponse</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:date
<b>Facets</b>	YYYY-MM-DD
<b>Source Design</b>	<xs:element name="RequestStartDate" type="xs:date"/>

#### Attribute Specifications

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

#### 2.1.2.1.3 RequestEndDate

##### Description

This is the end date of the of the consumption request window in the original request document.

##### Layout



##### Element Specifications

<b>Usage</b>	
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ConsumptionResponse</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:date
<b>Facets</b>	YYYY-MM-DD
<b>Source Design</b>	<xs:element name="RequestEndDate" type="xs:date"/>

#### Attribute Specifications

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

#### 2.1.2.1.4 Status

##### Description

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

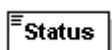
Processed:

The STR has been validated and fully processed.

Rejected:

The STR has been rejected due to failed validation.

##### Layout



##### Element Specifications

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

### Attribute Specifications

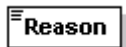
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 2.1.2.1.5 Reason

##### Description

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

##### Layout



### Element Specifications

<b>Usage</b>	Optional – Once Maximum (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>ConsumptionResponse</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:string
<b>Facets</b>	<ul style="list-style-type: none"> <li>minLength = 0</li> <li>maxLength = 400</li> </ul>
<b>Source Design</b>	<pre> &lt;xs:element name="Reason"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="400"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>

### Attribute Specifications

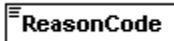
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 2.1.2.1.6 ReasonCode

##### Description

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

## Layout



## Element Specifications

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

## Attribute Specifications

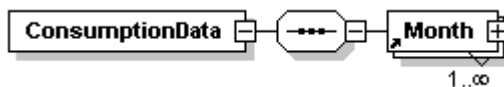
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

### 2.1.2.1.7 ConsumptionData

#### Description

If the request was successful, this element will contain the consumption information.

## Layout



## Element Specifications

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

## Attribute Specifications

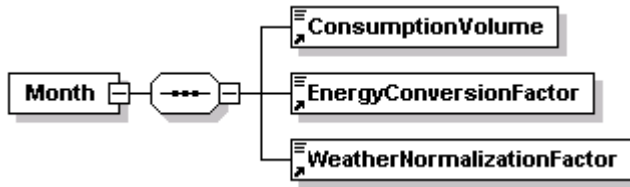
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

#### 2.1.2.1.7.1 Month

##### Description

This details the month period of the consumption data.

##### Layout



##### Element Specifications

Usage	Required – Unbounded
Parent Elements	<ul style="list-style-type: none"><li>ConsumptionData</li></ul>
Child Elements	<ul style="list-style-type: none"><li>ConsumptionVolume</li><li>EnergyConversionFactor</li><li>WeatherNormalizationFactor</li></ul>
Type	xs:complexType
Facets	N/A
Source Design	<pre>&lt;xs:element name="Month"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="ConsumptionVolume"/&gt;       &lt;xs:element ref="EnergyConversionFactor"/&gt;       &lt;xs:element ref="WeatherNormalizationFactor"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="Month"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:NMTOKEN"&gt;           &lt;xs:enumeration value="January"/&gt;           &lt;xs:enumeration value="February"/&gt;           &lt;xs:enumeration value="March"/&gt;           &lt;xs:enumeration value="April"/&gt;           &lt;xs:enumeration value="May"/&gt;           &lt;xs:enumeration value="June"/&gt;           &lt;xs:enumeration value="July"/&gt;           &lt;xs:enumeration value="August"/&gt;           &lt;xs:enumeration value="September"/&gt;           &lt;xs:enumeration value="October"/&gt;           &lt;xs:enumeration value="November"/&gt;           &lt;xs:enumeration value="December"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="Year"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:positiveInteger"&gt;           &lt;xs:pattern value="[0-9]{4,4}"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

##### Attribute Specifications

Name	Type	Usage	Facets	Description
Month	xs:NMTOKEN	Required		Details the month period.



Year	xs:positiveInteger	Required	[0-9]{4,4}	Details the year of the month period.
------	--------------------	----------	------------	---------------------------------------

#### 2.1.2.1.7.1.1 ConsumptionVolume

##### Description

This contains the actual volume consumed within the month period.

##### Layout

**ConsumptionVolume**

##### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>Month</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:double
<b>Facets</b>	N/A
<b>Source Design</b>	<xs:element name="ConsumptionVolume" type="xs:double"/>

##### Attribute Specifications

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

#### 2.1.2.1.7.1.2 EnergyConversionFactor

##### Description

This contains the conversion factor for the specific month period.

##### Layout

**EnergyConversionFactor**

##### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"> <li>Month</li> </ul>
<b>Child Elements</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Type</b>	xs:double
<b>Facets</b>	N/A
<b>Source Design</b>	<xs:element name="EnergyConversionFactor" type="xs:double"/>

##### Attribute Specifications

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

#### 2.1.2.1.7.1.3 WeatherNormalizationFactor

##### Description

This contains the normalization factor for the specific month period.

##### Layout

## WeatherNormalizationFactor

### Element Specifications

<b>Usage</b>	Required – Exactly Once (per parent element)
<b>Parent Elements</b>	<ul style="list-style-type: none"><li>▪ Month</li></ul>
<b>Child Elements</b>	<ul style="list-style-type: none"><li>▪ None</li></ul>
<b>Type</b>	xs:double
<b>Facets</b>	N/A
<b>Source Design</b>	<code>&lt;xs:element name="WeatherNormalizationFactor" type="xs:double"/&gt;</code>

### Attribute Specifications

<b>Name</b>	<b>Type</b>	<b>Usage</b>	<b>Facets</b>	<b>Description</b>
N/A	N/A	N/A	N/A	N/A

### 3 Appendix A – Gas Supply Consumption 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="GasSupplyConsumptionRequest"/>
      </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="GasSupplyConsumptionRequest"/>
          </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="GasSupplyConsumptionRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ConsumptionRequest" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ConsumptionRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="RequestStartDate"/>
      <xs:element ref="RequestEndDate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="AccountNumber">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="6"/>
      <xs:maxLength value="14"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="RequestStartDate" type="xs:date"/>
<xs:element name="RequestEndDate" type="xs:date"/>
</xs:schema>

```

## 4 Appendix B – Gas Supply Consumption 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="GasSupplyConsumptionResponse"/>
      </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="GasSupplyConsumptionResponse"/>
          </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="GasSupplyConsumptionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ConsumptionResponse" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ConsumptionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AccountNumber"/>
      <xs:element ref="RequestStartDate"/>
      <xs:element ref="RequestEndDate"/>
      <xs:element ref="Status"/>
      <xs:element ref="Reason"/>
      <xs:element ref="ReasonCode"/>
      <xs:element ref="ConsumptionData" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="AccountNumber">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="6"/>
      <xs:maxLength value="14"/>
    </xs:restriction>
  </xs:simpleType>

```

```

</xs:element>
<xs:element name="RequestStartDate" type="xs:date"/>
<xs:element name="RequestEndDate" type="xs:date"/>
<xs:element name="Status">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Processed"/>
      <xs:enumeration value="Rejected"/>
    </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="ConsumptionData">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Month" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Month">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ConsumptionVolume"/>
      <xs:element ref="EnergyConversionFactor"/>
      <xs:element ref="WeatherNormalizationFactor"/>
    </xs:sequence>
    <xs:attribute name="Month">
      <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="January"/>
          <xs:enumeration value="February"/>
          <xs:enumeration value="March"/>
          <xs:enumeration value="April"/>
          <xs:enumeration value="May"/>
          <xs:enumeration value="June"/>
          <xs:enumeration value="July"/>
          <xs:enumeration value="August"/>
          <xs:enumeration value="September"/>
          <xs:enumeration value="October"/>
          <xs:enumeration value="November"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>

```

```
        <xs:enumeration value="December"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
  <xs:attribute name="Year">
    <xs:simpleType>
      <xs:restriction base="xs:positiveInteger">
        <xs:pattern value="[0-9]{4,4}"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
</xs:element>
<xs:element name="ConsumptionVolume" type="xs:double"/>
<xs:element name="EnergyConversionFactor" type="xs:double"/>
<xs:element name="WeatherNormalizationFactor" type="xs:double"/>
</xs:schema>
```



## 5 Appendix C – Gas Supply Consumption Request XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<STRDocument Version="1.2" DocumentDefinitionName="GasSupplyConsumptionRequest" VendorDocumentReference="Supply Planning" CreationDate="2004-04-03"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>123456789</CompanyID>
        <CompanyName>Econogas</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>200300400</CompanyID>
        <CompanyName>Union Gas Ltd</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <GasSupplyConsumptionRequest>
    <ConsumptionRequest>
      <AccountNumber>12345672345678</AccountNumber>
      <RequestStartDate>2004-01-01</RequestStartDate>
      <RequestEndDate>2004-03-31</RequestEndDate>
    </ConsumptionRequest>
    <ConsumptionRequest>
      <AccountNumber>23456783456789</AccountNumber>
      <RequestStartDate>2004-01-01</RequestStartDate>
      <RequestEndDate>2004-03-31</RequestEndDate>
    </ConsumptionRequest>
    <ConsumptionRequest>
      <AccountNumber>SA9876</AccountNumber>
      <RequestStartDate>2004-01-01</RequestStartDate>
      <RequestEndDate>2004-03-31</RequestEndDate>
    </ConsumptionRequest>
  </GasSupplyConsumptionRequest>
</STRDocument>
```

## 6 Appendix D – Gas Supply Consumption Response XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<STRDocument Version="1.2" DocumentDefinitionName="GasSupplyConsumptionResponse" VendorDocumentReference="Supply Planning"
DistributorDocumentReference="123456789_76786876HJHGJ76876" CreationDate="2004-04-04" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>200300400</CompanyID>
        <CompanyName>Union Gas Ltd</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>123456789</CompanyID>
        <CompanyName>Econogas</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <GasSupplyConsumptionResponse>
    <ConsumptionResponse>
      <AccountNumber>12345672345678</AccountNumber>
      <RequestStartDate>2003-01-01</RequestStartDate>
      <RequestEndDate>2003-03-31</RequestEndDate>
      <Status>Processed</Status>
      <Reason/>
      <ReasonCode>String</ReasonCode>
      <ConsumptionData>
        <Month Month="January" Year="2003">
          <ConsumptionVolume>200.1</ConsumptionVolume>
          <EnergyConversionFactor>37.74</EnergyConversionFactor>
          <WeatherNormalizationFactor>1.023</WeatherNormalizationFactor>
        </Month>
        <Month Month="February" Year="2003">
          <ConsumptionVolume>100.1</ConsumptionVolume>
          <EnergyConversionFactor>37.74</EnergyConversionFactor>
          <WeatherNormalizationFactor>.994</WeatherNormalizationFactor>
        </Month>
        <Month Month="March" Year="2003">
          <ConsumptionVolume>300.1</ConsumptionVolume>
          <EnergyConversionFactor>37.74</EnergyConversionFactor>
          <WeatherNormalizationFactor>1.123</WeatherNormalizationFactor>
        </Month>
      </ConsumptionData>
    </ConsumptionResponse>
    <ConsumptionResponse>
      <AccountNumber>23456783456789</AccountNumber>
      <RequestStartDate>2003-01-01</RequestStartDate>
      <RequestEndDate>2003-03-31</RequestEndDate>
      <Status>Processed</Status>
      <Reason/>
      <ReasonCode/>
      <ConsumptionData>
        <Month Month="January" Year="2003">
```

```
<ConsumptionVolume>500.9</ConsumptionVolume>
<EnergyConversionFactor>37.74</EnergyConversionFactor>
<WeatherNormalizationFactor>1.023</WeatherNormalizationFactor>
</Month>
<Month Month="February" Year="2003">
  <ConsumptionVolume>400.9</ConsumptionVolume>
  <EnergyConversionFactor>37.74</EnergyConversionFactor>
  <WeatherNormalizationFactor>.994</WeatherNormalizationFactor>
</Month>
<Month Month="March" Year="2003">
  <ConsumptionVolume>400.9</ConsumptionVolume>
  <EnergyConversionFactor>37.74</EnergyConversionFactor>
  <WeatherNormalizationFactor>1.123</WeatherNormalizationFactor>
</Month>
</ConsumptionData>
</ConsumptionResponse>
<ConsumptionResponse>
  <AccountNumber>SA9876</AccountNumber>
  <RequestStartDate>2003-01-01</RequestStartDate>
  <RequestEndDate>2003-03-31</RequestEndDate>
  <Status>Rejected</Status>
  <Reason>Account number not found</Reason>
  <ReasonCode>101</ReasonCode>
</ConsumptionResponse>
</GasSupplyConsumptionResponse>
</STRDocument>
```