HM Land Registry

Business Gateway

Developer pack

Interface specification

Local Land Charges Search Service V1.0

Contents

1   Background

This document provides the interface requirements for the Local Land Charges Search V1_0 Business Gateway service.

2   Purpose

The purpose of this document is to specify the interface between HM Land Registry and a Business Gateway Customer, indicating the message layouts and XML schemas that must be adhered to in order to communicate with HMLR, so that data may be exchanged between the organisations to effect Business Gateway.

The XML schemas associated with this interface represent the authoritative definition of the interface and takes precedence over any information in this document. The schemas will be issued with this document, along with sample requests and responses. See Annex for samples.

3   Scope

The scope of this document encompasses the Local Land Charges Search V1_0 interface and XML message format.

4   Definitions, Acronyms and Abbreviations

Any specific terms and abbreviations are further explained in the Glossary.

5   Interface Specification

This section covers general information about the configuration and use of the interface.

6   XML Requirements

The XML schema attached as part of this document is compliant with 'XML Schema W3C Recommendation', 04 Feb 2004 and e-GIF standards. The XML version is 2.0 and encoding is UTF-8.

In an XML message, use of the characters &, <, " and ' is constrained. The characters & and < are permitted to represent themselves only in Comments, Processing Instructions and CDATA sections. The characters " and ' cannot appear in an attribute if they are being used to demarcate the value.

Escape sequences are used to represent these characters when required. These escape sequences are:

Character	Escape Sequence
&	&
<	<
>	>
"	"
'	'

Within CDATA blocks the above characters are permitted and escape sequences must not be used. CDATA blocks are used for attachments to messages.

7   Business Gateway

Business Gateway Process Diagram
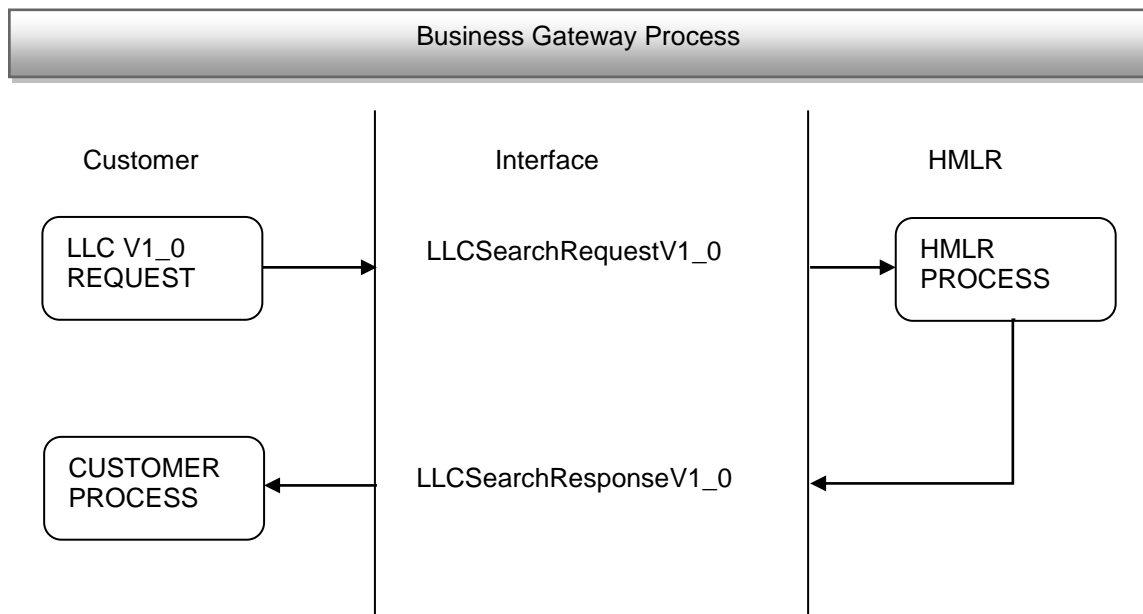
Both the LLCSearchRequestV1_0 and the Poll Request messages are acknowledged with a LLCSearchResponseV1_0 message.

8   LLC Search V1_0 Specific Messages

Schema :   LLCSearchRequestV1_0

LLCSearchResponseV1_0

Description :   Local Land Charges Search request identifies any Local Land Charges within the search area identified by Title number or by GeoJson data. If a refresh search of an exiting Local Land Charges search is made within 6 months of the original request, then this is made using the stored search criteria from the original request.

The response indicates either:

- A success response includes a PDF representing the LLC1 search.

- A system error

- A rejection response with details of why the search was rejected.

9   XML Schemas

Current list of XML Schemas

Name	Version
LLCSearchRequestV1_0	1.0
LLCSearchResponseV1_0	1.0
PollRequest	1.0

See Annex for details of the individual Schemas relating to the Online Owner Verification service.

10 Local Land Charges search request (V1_0)

The LLCSearchRequestV1_0 message uses the namespace
`http://www.landregistry.gov.uk/LLC/LLCSearchRequestV1_0` and must be valid with respect to
the XML Schema published by HM Land Registry for that namespace.

Message	Description
LLCSearchRequestV1_0	This message allows Customers to submit Local Land Charges Search Requests to HMLR.

10.1 Request message structure

The request message comprises generic header information which is common with requests for other
services, plus information specific to the LLCSearchRequestV1_0. This is illustrated below:
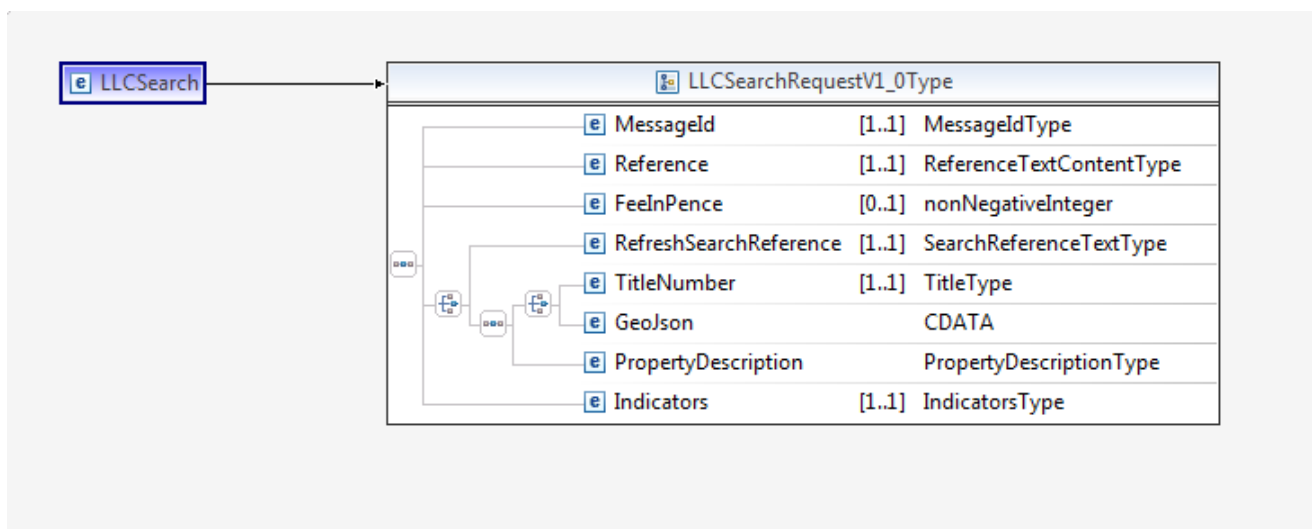
The options are for the refresh of an existing search within 6 months of the original request or a new search. A new search can be either using a Land Registry Title number or GeoJson, both would include a Property description.

Note: The Property description is used as additional information included on the result, but it is not verified or used for the actual search, only the Title number or GeoJson are used for the area of the search.

10.2 Request specific elements
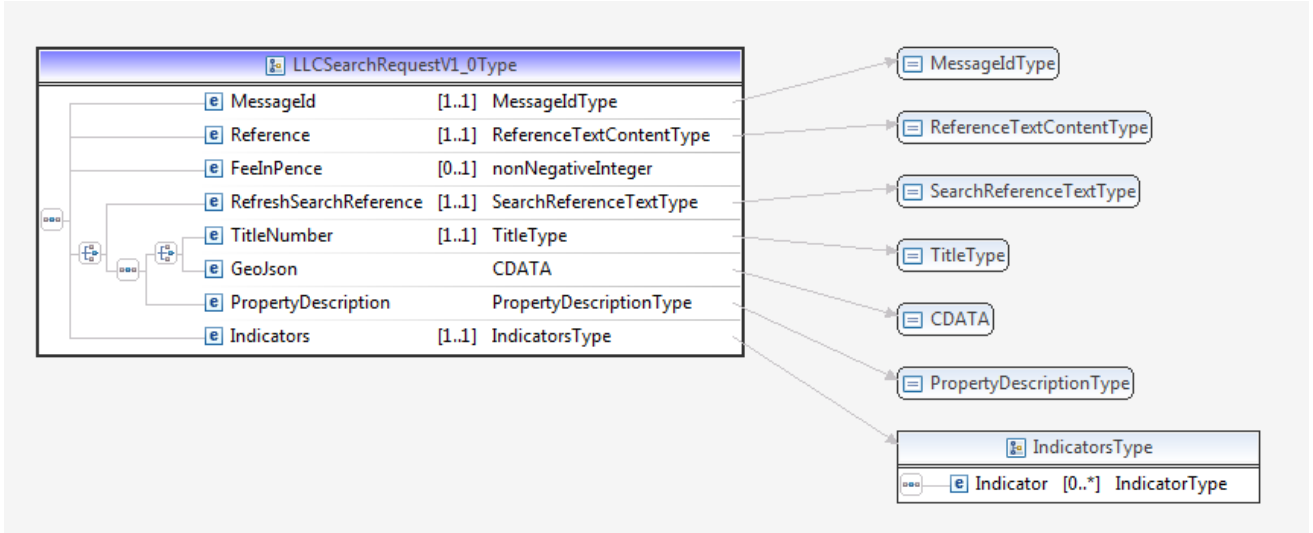
The request message breakdown is illustrated below:

Element	Value	Rules for Use
MessageId	A unique reference associated with the application in the Case Management System	Mandatory
Reference	Customer reference often associated with a case in Case Management System	Mandatory
FeeInPence	Expected fee in pence	Optional
RefreshSearchReference	The RefreshSearchReference contains the SearchReference given in the response to the original search request. It is used to retrieve the original search criteria and provide a new search if within 6 months of the original search date.	Mandatory
TitleNumber	Land Registry Title number that will be used to identify the area of search required	Mandatory
GeoJson	GeoJson is used to identify coordinates of the search area required. It is included within a CDATA section to prevent this Character Data being parsed as markup.	Mandatory
PropertyDescription	Text describing property being searched. This is included in the search result document, but the data is not verified or used to identify the search area.	Mandatory **(With a TitleNumber search or a GeoJson search)**
Indicators	Search Indicators to enable/disable specific checks See IndicatorType for more details.	Mandatory

10.2.1 Options to define area of search

A request comprises one of the following three options:-

1. RefreshSearchReference (to refresh an existing search)
2. Title number search, plus PropertyDescription
3. GeoJson, plus PropertyDescription

10.2.2 IndicatorType (Request)

The 'Indicators' element may contain 0 or many IndicatorType elements. The value of these elements must be set to true or false in **lowercase**. If any of the IndicatorTypes are excluded from the Request message they will be set to the default values shown below.

Indicator Type Element	Value	Description	Default
ContinueIfOutOfHours	true	Request will be lodged and processed when back in hours	
	false	Reject request if out of hours	✓
ContinueIfFeeExceedsExpected	true	Continue if fee exceeds the fee given in the request	✓
	false	Reject if fee exceeds	

11 Local Land Charges Search Response (V1_0)

LLCSearchResponseV1_0 message uses the namespace `http://www.landregistry.gov.uk/LLC/LLCSearchResponseV1_0` and must be valid with respect to the XML Schema published by HM Land Registry for that namespace.

Message	Description
LLCSearchResponseV1_0	This message allows HM Land Registry to send the Local Land Charges Search Responses to the Customer.

11.1 Response message structure

The response message comprises generic information common with responses to other services, plus information specific to the LLCSearchResponseV1_0 response. This is illustrated below:
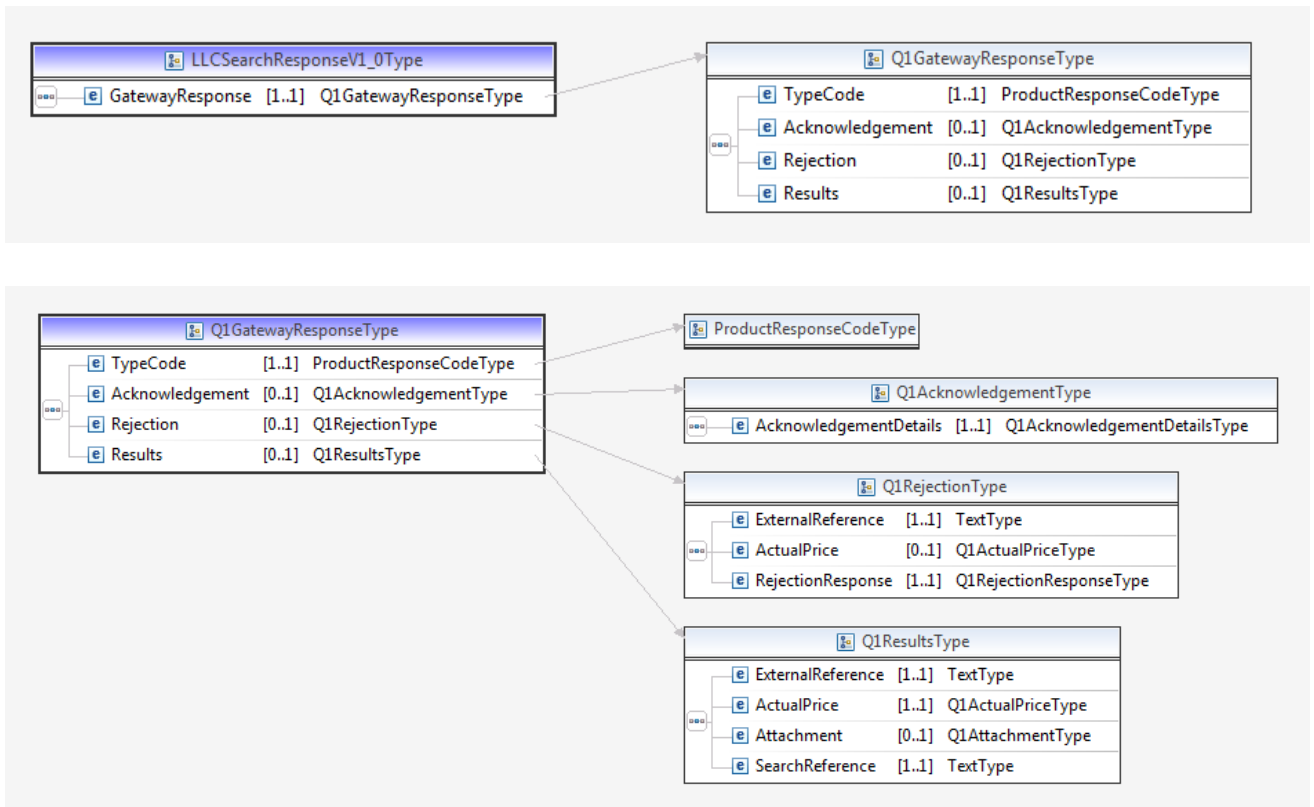
11.2 Response specific elements

Element	Description	Rules for Use
TypeCode	Used to identify the type of response that has been issued. Acknowledgement = 10 Rejection = 20 Result = 30	Mandatory
Acknowledgement	This is the Business Gateway confirmation of receipt response	Optional
Rejection	This is the Business Gateway rejection response	Optional
Result	This is the Business Gateway success response	Optional

Note: Either an acknowledgement, rejection or result message will be issued.

11.3 Acknowledgement response structure

The Acknowledgement message will be returned if the service is out of hours and the original request message had the indictor **ContinueIfOutOfHours** set to true.

If for any reason a valid acknowledgement, rejection or response is not received by the originator (i.e. through network error, corruption or incorrectly prepared XML) there is no way for the server to know if it was successfully received or not. If this occurs the request can be sent again with the same MessageId and the original result will be returned. If HMLR did not receive the original request the system will process the request as a new one.

Note: Any requests submitted with a duplicate MessageId will receive the last response for that MessageId regardless of the other criteria in the request.

The acknowledgement response structure is illustrated below:

Q1AcknowledgementType		
e AcknowledgementDetails [1..1] Q1AcknowledgementDetailsType		

Q1AcknowledgementDetailsType		
e UniqueID	[1..1]	IdentifierType
e ExpectedResponseDateTime	[0..1]	DateTimeType
e MessageDescription	[1..1]	TextType
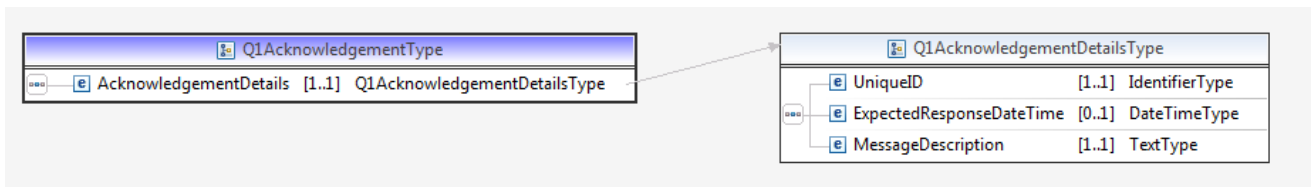
11.4 Acknowledgement specific elements

Element	Description	Rules for Use
UniqueID	A unique identifier used by the end user to get the status update of their request. This would be same value as the MessageId from the request.	Mandatory
ExpectedResponseDateTime	This element will hold the expected date and time when Business Gateway will try to process the queued request. This element will contain date and time data in a GMT format.	Mandatory
MessageDescription	This will be a String type element and will be used to return a message to the end user. See Annex for acknowledgement message text	Mandatory

11.5 Rejection response structure

The purpose of the Rejection message is to inform the originator of the Request message that it has been rejected due to known circumstances.
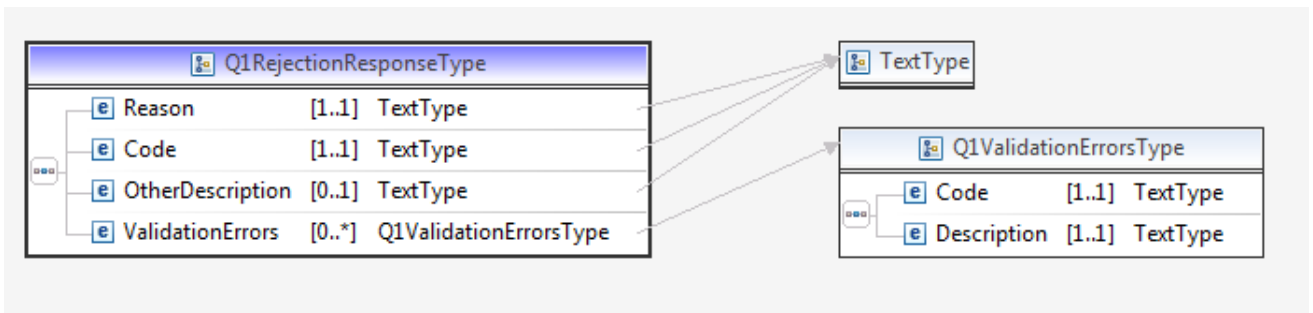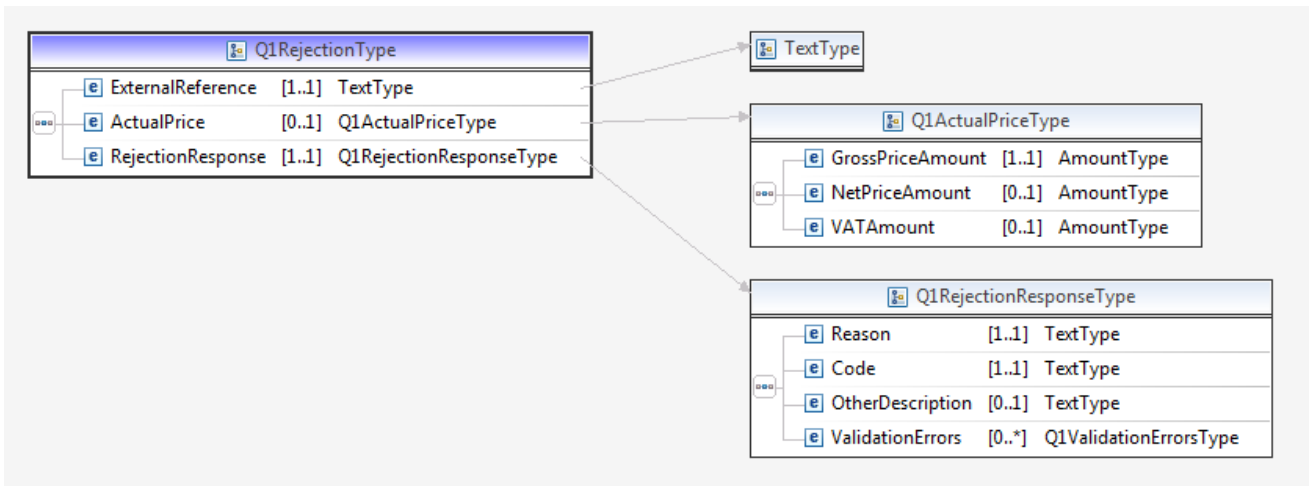
11.6 Rejection specific elements

Element	Description	Rules for Use
Reason	A description of the reason for rejection. See Annex for full list of rejection reasons	Mandatory
Code	A code signifying the reason for rejection. See Annex for full list of rejection codes	Mandatory
OtherDescription	A free format text field to convey any further information about the rejection.	Optional
ValidationErrors	Validation errors.	Optional
ExternalReference	Customer reference often associated with a case in Case Management System and as provided in Reference element of request	Mandatory

11.7 Result response structure
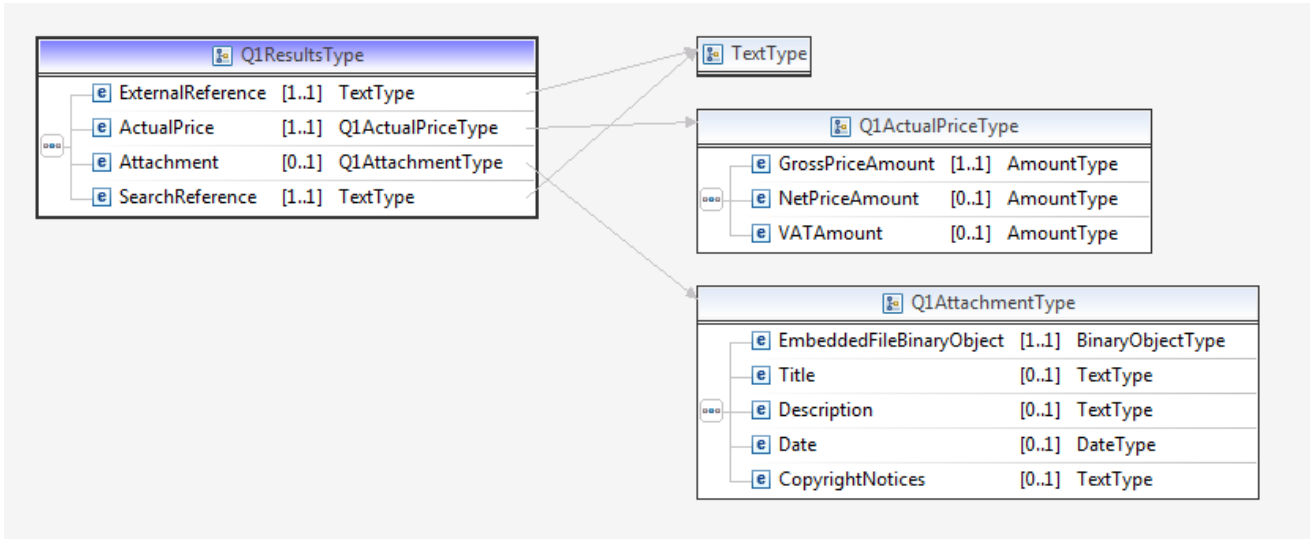
11.8 Result key elements

Element	Description	Rules for Use
ExternalReference	Customer reference often associated with a case in Case Management System and as provided in Reference element of request	Mandatory
ActualPrice	Fee charged in pence, which will be charged under the direct debit for the Business Unit associated to the user submitting the search.	Mandatory
Attachment	This will hold the search results in a PDF document	Mandatory
SearchReference	The HM Land Registry reference for this search response. This is then used for a refresh search in element RefreshSearchReference	Mandatory

12 Glossary Or Terms And Abbreviations

Acronym	Description
LLC	Local Land Charges
HTTP	HyperText Transfer Protocol
XML	eXtensible Markup Language
Registered on date	The date HM Land Registry received the application

13 Annex

13.1.1 Acknowledgement Message

Message
Service is not currently available. System has queued your request, please poll at specified time.

13.1.2 Rejection Codes

Code	Reason
bg.auth.fails	Login details are invalid.
bg.user.account.status.locked.password	Your account is locked. Please reset your password using Portal.
bg.outofhours.stop	Service is not currently available and your request will not be processed
bg.title.invalid	Title number is invalid.
bg.title.closed	This title number is closed.
bg.llc.title.closedAndContinued	Title Number * has been closed and registration continued under Title Number *. Please request a search using the new Title Number.
bg.title.no.geojson	Unable to obtain GeoJSON from title number please try again with GeoJSON data
bg.geojson.invalid	The supplied GeoJSON is not valid
bg.nonmigrated.extent	You are searching a non-migrated authority, edit your search area or contact the local authority
bg.fee.feeMismatch	Fee Amount provided does not match with the fee calculated by Land Registry.
bg.llc.access.denied	Access denied, this service has limited availability - please contact HM Land Registry
bg.llc.search.ref.not.found	Search reference not found, refresh searches are valid for 6 months after the initial search
bg.document.maxFileSizeLimitExceeds	Generated PDF exceeds maximum size of 20971520 bytes
bg.geojson.size.exceeded	GeoJSON exceeds maximum length of 32000 characters
bg.too.many.results	Your search area has too many charges. Email HM Land Registry to search this area: locallandchargesregister@landregistry.gov.uk

13.1.3 Sample Messages

Sample request message

```
<soapenv:Envelope
        xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
        xmlns:llc="http://llcsearchv1_0.ws.bg.lr.gov/"
        xmlns:llc1="http://www.landregistry.gov.uk/LLC/LLCSearchRequestV1_0">
<soapenv:Header>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd">
                <wsse:UsernameToken>
                        <wsse:Username>ABCD3000</wsse:Username>
                        <wsse:Password type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
                token-profile-1.0#PasswordText">password99</wsse:Password>
                </wsse:UsernameToken>
        </wsse:Security>
        <i18n:international xmlns:i18n="http://www.w3.org/2005/09/ws-i18n">
                <i18n:locale>en</i18n:locale>
        </i18n:international>
</soapenv:Header>
<soapenv:Body>
        <llc:performSearch>
                <in>
                        <llc1:MessageId>LLC30052018-1515</llc1:MessageId>
                        <llc1:Reference>XYZ</llc1:Reference>
                        <llc1:FeeInPence>1500</llc1:FeeInPence>
                        <!--You have a CHOICE of the next 2 items at this level-->
                        <llc1:TitleNumber>GR987</llc1:TitleNumber>
                        <llc1:PropertyDescription>The House</llc1:PropertyDescription>
                        <llc1:Indicators>
                                <!--Zero or more repetitions:-->
                                <llc1:Indicator>
                                        <llc1:IndicatorType>continueIfOutOfHours</llc1:IndicatorType>
                                        <llc1:IndicatorValue>true</llc1:IndicatorValue>
                                </llc1:Indicator>
                        </llc1:Indicators>
                </in>
        </llc:performSearch>
</soapenv:Body>
</soapenv:Envelope>
```

Sample response message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
    <soap:Body>
        <ns5:performSearchResponse xmlns:ns2="http://www.oscre.org/ns/eReg/MR01-
    20090605/PollRequest"
    xmlns:ns3="http://www.landregistry.gov.uk/LLC/LLCSearchResponseV1_0"
    xmlns:ns4="http://www.landregistry.gov.uk/LLC/LLCSearchRequestV1_0"
    xmlns:ns5="http://llcsearchv1_0.ws.bg.lr.gov/">
        <return>
        <ns3:GatewayResponse>
            <ns3:TypeCode>30</ns3:TypeCode>
            <ns3:Results>
                <ns3:ExternalReference>MyLLC1search</ns3:ExternalReference>
                <ns3:ActualPrice>
                <ns3:GrossPriceAmount>1500</ns3:GrossPriceAmount>
                </ns3:ActualPrice>
                <ns3:Attachment>
                    <ns3:EmbeddedFileBinaryObject ns3:format="PDF">
                    Byte data removed for ease of reading
                    </ns3:EmbeddedFileBinaryObject>
                </ns3:Attachment>
                <ns3:SearchReference>000001904</ns3:SearchReference>
            </ns3:Results>
            </ns3:GatewayResponse>
        </return>
        </ns5:performSearchResponse>
    </soap:Body>
</soap:Envelope>
```

13.1.4 Schemas

XML Schemas are compliant with e-GIF (Electronic Government Interoperability Framework) standards.

Schema files are named according to the standard *<filename>-vm-n.xsd* where *v* is the letter 'v', *m* is the major version number and *n* is the minor version number.

13.1.5 LLCSearchRequestV1_0.xsd

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
      targetNamespace="http://www.landregistry.gov.uk/LLC/LLCSearchRequestV1_0"
      xmlns="http://www.landregistry.gov.uk/LLC/LLCSearchRequestV1_0"
      elementFormDefault="qualified">
      <xs:element name="LLCSearch" type="LLCSearchRequestV1_0Type"></xs:element>   <!-
- fill out all input parameters very basic below -->
      <xs:complexType name="LLCSearchRequestV1_0Type">
            <xs:sequence>
                  <xs:element name="MessageId" type="MessageIdType"
                        minOccurs="1" maxOccurs="1" />
                  <xs:element name="Reference" type="ReferenceTextContentType"
                        minOccurs="1" maxOccurs="1" />
                  <xs:element name="FeeInPence" type="xs:nonNegativeInteger"
                        minOccurs="0" maxOccurs="1" />
                  <xs:choice>
                        <xs:element name="RefreshSearchReference"
type="SearchReferenceTextType"
                              minOccurs="1" maxOccurs="1" />
                        <xs:sequence>
                              <xs:choice>
                                    <xs:element name="TitleNumber" type="TitleType"
                                          minOccurs="1" maxOccurs="1" />
                                    <xs:element name="GeoJson" type="CDATA" />
                              </xs:choice>
                              <xs:element name="PropertyDescription"
type="PropertyDescriptionType" />
                        </xs:sequence>
                  </xs:choice>
                  <xs:element name="Indicators" type="IndicatorsType"
                        minOccurs="1" maxOccurs="1">
                  </xs:element>
            </xs:sequence>
      </xs:complexType>
      <xs:simpleType name="PropertyDescriptionType">
            <xs:restriction base="xs:string">
                  <xs:minLength value="1" />
                  <xs:maxLength value="400" />
                  <xs:pattern
                        value="[A-Za-z0-9\s~!&quot;@#$%'\(\)\*\+,\-
\.\./:;=&gt;\?\[\\\]_\{\}\^&#xa3;&amp;]*" />
            </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="MessageIdType">
            <xs:restriction base="xs:string">
                  <xs:minLength value="5" />
                  <xs:maxLength value="50" />
                  <xs:pattern value="[a-zA-Z0-9][a-zA-Z0-9\-]*" />
            </xs:restriction>
```

```xml
        </xs:simpleType>
        <xs:simpleType name="ReferenceTextContentType">
            <xs:restriction base="xs:string">
                <xs:minLength value="1" />
                <xs:maxLength value="25" />
                <xs:pattern
                    value="[A-Za-z0-9\s~!&quot;@#$%'\(\)\*\+,\-
\./:;=&gt;\?\[\\\]_\{\}\^&#xa3;&amp;]*" />
            </xs:restriction>
        </xs:simpleType>
        <xs:simpleType name="SearchReferenceTextType">
            <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="9"/>
            </xs:restriction>
        </xs:simpleType>
        <xs:simpleType name="TitleType">
            <xs:annotation>
                <xs:documentation>This type defines the validation pattern for title
                    numbers</xs:documentation>
            </xs:annotation>
            <xs:restriction base="xs:string">
                <xs:minLength value="1" />
                <xs:maxLength value="9" />
                <xs:pattern value="[A-Z]{0,3}[0-9]{1,6}[ZT]?" />
            </xs:restriction>
        </xs:simpleType>
        <xs:simpleType name="CDATA">
            <xs:restriction base="xs:string" />
        </xs:simpleType>
        <xs:complexType name="IndicatorsType">
            <xs:sequence>
                <xs:element name="Indicator" type="IndicatorType"
                    minOccurs="0" maxOccurs="unbounded">
                </xs:element>
            </xs:sequence>
        </xs:complexType>
        <xs:complexType name="IndicatorType">
            <xs:sequence>
                <xs:annotation>
                    <xs:documentation> The indicators are generic so that new
                    options can be added in the future without schema changes.
                    Expected indicators are: ContinueIfOutOfHours
                                        ContinueIfFeeExceedsExpected
                    </xs:documentation>
                </xs:annotation>
                <xs:element name="IndicatorType" minOccurs="1" maxOccurs="1">
                    <xs:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:minLength value="1"></xs:minLength>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="IndicatorValue" type="xs:boolean"
```

```
                                minOccurs="1" maxOccurs="1"></xs:element>
                </xs:sequence>
        </xs:complexType>
</xs:schema>
```

13.1.6 LLCSearchResponseV1_0.xsd

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
      targetNamespace="http://www.landregistry.gov.uk/LLC/LLCSearchResponseV1_0"
      xmlns="http://www.landregistry.gov.uk/LLC/LLCSearchResponseV1_0"
      elementFormDefault="qualified" attributeFormDefault="qualified">
      <xs:element name="LLCSearchResponse" type="LLCSearchResponseV1_0Type" />
      <xs:complexType name="LLCSearchResponseV1_0Type">
            <xs:sequence>
                  <xs:element name="GatewayResponse" type="Q1GatewayResponseType"
                        minOccurs="1" maxOccurs="1" />
            </xs:sequence>
      </xs:complexType>
      <xs:complexType name="Q1GatewayResponseType">
            <xs:sequence>
                  <xs:element name="TypeCode" type="ProductResponseCodeType"
                        minOccurs="1" maxOccurs="1">
                        <xs:annotation>
                              <xs:documentation>A character string (letters, figures
                              or symbols) that for brevity and/or language
                              independence may be used to represent or replace a
                              definitive value or text of an Attribute together with
                              relevant supplementary information.
                              </xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element name="Acknowledgement" type="Q1AcknowledgementType"
                        minOccurs="0" maxOccurs="1">
                        <xs:annotation>
                              <xs:documentation>This is the the Business Gateway
                              confirmation response to the External
                              System.</xs:documentation>
                        </xs:annotation>
                  </xs:element>
                  <xs:element name="Rejection" type="Q1RejectionType"
                        minOccurs="0" maxOccurs="1" />
                  <xs:element name="Results" type="Q1ResultsType" minOccurs="0"
                        maxOccurs="1" />
            </xs:sequence>
      </xs:complexType>
      <xs:complexType name="ProductResponseCodeType">
            <xs:annotation>
                  <xs:documentation>A character string (letters, figures or symbols)
                        that for brevity and/or language independence may be used to
                        represent or replace a definitive value or text of an
                        Attribute together with relevant supplementary information.
                  </xs:documentation>
            </xs:annotation>
            <xs:simpleContent>
                  <xs:extension base="ProductResponseCodeContentType" />
            </xs:simpleContent>
      </xs:complexType>
      <xs:simpleType name="ProductResponseCodeContentType">
```

```
<xs:restriction base="xs:normalizedString">
        <xs:enumeration value="0">
                <xs:annotation>
                        <xs:documentation>Other</xs:documentation>
                        <xs:documentation>-</xs:documentation>
                </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="10">
                <xs:annotation>
                        <xs:documentation>Acknowledgement</xs:documentation>
                        <xs:documentation>-</xs:documentation>
                </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="20">
                <xs:annotation>
                        <xs:documentation>Rejection</xs:documentation>
                        <xs:documentation>-</xs:documentation>
                </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="30">
                <xs:annotation>
                        <xs:documentation>Result</xs:documentation>
                        <xs:documentation>-</xs:documentation>
                </xs:annotation>
        </xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="Q1AcknowledgementType">
        <xs:annotation>
                <xs:documentation>This is the the Business Gateway
                confirmationresponse to the External System.
                </xs:documentation>
        </xs:annotation>
        <xs:sequence>
                <xs:element name="AcknowledgementDetails"
type="Q1AcknowledgementDetailsType"
                        minOccurs="1" maxOccurs="1" />
        </xs:sequence>
</xs:complexType>
<xs:complexType name="Q1AcknowledgementDetailsType">
        <xs:sequence>
                <xs:element name="UniqueID" type="IdentifierType"
                        minOccurs="1" maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>Unique identifier used by end user to
                                get the status update of their
                                request.</xs:documentation>
                        </xs:annotation>
                </xs:element>
                <xs:element name="ExpectedResponseDateTime" type="DateTimeType"
                        minOccurs="0" maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>This element will hold expected time
                                when Business Gateway will try to process the queued
```

```
                                 request. This element will contain date and time data as
                                 GMT format. This element should be marked as
                                 mandatory</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="MessageDescription" type="TextType"
                            minOccurs="1" maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>This will be a String type element and
                                will be use to display a message to end user. This
                                element should be marked as mandatory
                                </xs:documentation>
                        </xs:annotation>
                    </xs:element>
                </xs:sequence>
        </xs:complexType>
        <xs:complexType name="Q1ActualPriceType">
                <xs:annotation>
                        <xs:documentation>Information about price</xs:documentation>
                </xs:annotation>
                <xs:sequence>
                    <xs:element name="GrossPriceAmount" type="AmountType"
                            minOccurs="1" maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>The gross price is the price including
                                the VAT. If the VAT is zero then the Gross and Net Price
                                will be the same
                                </xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="NetPriceAmount" type="AmountType"
                            minOccurs="0" maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>The Net Price is the amount before the
                                VAT is added on. If the VAT is zero then the Gross and
                                Net Price will be the same
                                </xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="VATAmount" type="AmountType" minOccurs="0"
                            maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>This is the amount of the VAT
                                </xs:documentation>
                        </xs:annotation>
                    </xs:element>
                </xs:sequence>
        </xs:complexType>
        <xs:complexType name="Q1AttachmentType">
                <xs:annotation>
                        <xs:documentation>An electronic copy of a document that may be
                                attached to a message.</xs:documentation>
                </xs:annotation>
                <xs:sequence>
```

```xml
                    <xs:element name="EmbeddedFileBinaryObject" type="BinaryObjectType"
                            minOccurs="1" maxOccurs="1">
                            <xs:annotation>
                                    <xs:documentation>The binary representation of the image
                                    or document</xs:documentation>
                            </xs:annotation>
                    </xs:element>
                    <xs:element name="Title" type="TextType" minOccurs="0"
                            maxOccurs="1">
                            <xs:annotation>
                                    <xs:documentation>Title or Caption for the attached file
                                    or document
                                    </xs:documentation>
                            </xs:annotation>
                    </xs:element>
                    <xs:element name="Description" type="TextType" minOccurs="0"
                            maxOccurs="1">
                            <xs:annotation>
                                    <xs:documentation>A description of the contents of the
                                    attached file or document</xs:documentation>
                            </xs:annotation>
                    </xs:element>
                    <xs:element name="Date" type="DateType" minOccurs="0"
                            maxOccurs="1">
                            <xs:annotation>
                                    <xs:documentation>The date of the document within the
                                    contained attachment. In the example of a an attached
                                    photo, this would be the date the photograph was
                                    taken.</xs:documentation>
                            </xs:annotation>
                    </xs:element>
                    <xs:element name="CopyrightNotices" type="TextType"
                            minOccurs="0" maxOccurs="1">
                            <xs:annotation>
                                    <xs:documentation>Text description of any Legal or
                                    copyright notices that may apply to the file in
                                    question.</xs:documentation>
                            </xs:annotation>
                    </xs:element>
            </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Q1RejectionType">
            <xs:sequence>
                    <xs:element name="ExternalReference" type="TextType"
                            minOccurs="1" maxOccurs="1">
                            <xs:annotation>
                                    <xs:documentation>A unique reference given to identify a
                                    particular request, order or instruction in the system
                                    of the organisation allocating it with the ability to
                                    associate the name of the Company that has allocated
                                    it.</xs:documentation>
                            </xs:annotation>
                    </xs:element>
                    <xs:element name="ActualPrice" type="Q1ActualPriceType"
```

```
                    minOccurs="0" maxOccurs="1">
                    <xs:annotation>
                            <xs:documentation>This is the price for a Search/Product
                            </xs:documentation>
                    </xs:annotation>
            </xs:element>
            <xs:element name="RejectionResponse" type="Q1RejectionResponseType"
                    minOccurs="1" maxOccurs="1">
                    <xs:annotation>
                            <xs:documentation>Provides details of the reasons for
                            the rejection of the Search Order Send
                            message.</xs:documentation>
                    </xs:annotation>
            </xs:element>
        </xs:sequence>
</xs:complexType>
<xs:complexType name="Q1RejectionResponseType">
        <xs:annotation>
                <xs:documentation>Provides details of the reasons for the rejection.
                </xs:documentation>
        </xs:annotation>
        <xs:sequence>
                <xs:element name="Reason" type="TextType" minOccurs="1"
                        maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>A description of the reason for
                                rejection.
                                </xs:documentation>
                        </xs:annotation>
                </xs:element>
                <xs:element name="Code" type="TextType" minOccurs="1"
                        maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>A code signifying the reason for
                                rejection
                                </xs:documentation>
                        </xs:annotation>
                </xs:element>
                <xs:element name="OtherDescription" type="TextType"
                        minOccurs="0" maxOccurs="1">
                        <xs:annotation>
                                <xs:documentation>Freeform text field to convey any
                                further information about the
                                rejection.</xs:documentation>
                        </xs:annotation>
                </xs:element>
                <xs:element name="ValidationErrors" type="Q1ValidationErrorsType"
                        minOccurs="0" maxOccurs="unbounded" />
        </xs:sequence>
</xs:complexType>
<xs:complexType name="Q1ResultsType">
        <xs:sequence>
                <xs:element name="ExternalReference" type="TextType"
                        minOccurs="1" maxOccurs="1">
```

```
                          <xs:annotation>
                              <xs:documentation> Reference associated with a case in
                              Case Management System
                              </xs:documentation>
                          </xs:annotation>
                  </xs:element>
                  <xs:element name="ActualPrice" type="Q1ActualPriceType"
                          minOccurs="1" maxOccurs="1">
                          <xs:annotation>
                              <xs:documentation> This is the price for a
                              Search/Product
                              </xs:documentation>
                          </xs:annotation>
                  </xs:element>
                  <xs:element name="Attachment" type="Q1AttachmentType"
                          minOccurs="0" maxOccurs="1">
                          <xs:annotation>
                              <xs:documentation> An electronic copy of a document that
                              may be attached to a message.
                              </xs:documentation>
                          </xs:annotation>
                  </xs:element>
                  <xs:element name="SearchReference" type="TextType"
                          minOccurs="1" maxOccurs="1">
                          <xs:annotation>
                              <xs:documentation> Land Registry Search Reference may be
                              used to request a refreshed search within 6 months of
                              original request. </xs:documentation>
                          </xs:annotation>
                  </xs:element>
          </xs:sequence>
  </xs:complexType>
  <xs:complexType name="Q1ValidationErrorsType">
          <xs:sequence>
                  <xs:element name="Code" type="TextType" minOccurs="1"
                          maxOccurs="1">
                          <xs:annotation>
                              <xs:documentation>A character string (i.e. a finite set
                              of characters) generally in the form of words of a
                              language. xs:documentation>
                          </xs:annotation>
                  </xs:element>
                  <xs:element name="Description" type="TextType" minOccurs="1"
                          maxOccurs="1">
                          <xs:annotation>
                              <xs:documentation>A character string (i.e. a finite set
                              of characters) generally in the form of words of a
                              language.</xs:documentation>
                          </xs:annotation>
                  </xs:element>
          </xs:sequence>
  </xs:complexType>
  <xs:complexType name="DateTimeType">
          <xs:annotation>
```

```
                    <xs:documentation>A particular point in the progression of time
                            together with the relevant supplementary information.
                    </xs:documentation>
            </xs:annotation>
            <xs:simpleContent>
                    <xs:extension base="xs:dateTime" />
            </xs:simpleContent>
    </xs:complexType>
    <xs:complexType name="IdentifierType">
            <xs:annotation>
                    <xs:documentation>A character string to identify and distinguish
                            uniquely, one instance of an object in an identification
                            scheme from all other objects in the same scheme together with
                            relevant supplementary information.
                    </xs:documentation>
            </xs:annotation>
            <xs:simpleContent>
                    <xs:extension base="xs:normalizedString">
                            <xs:attribute name="schemeAgencyName" type="xs:string"
                                    use="optional">
                                    <xs:annotation>
                                            <xs:documentation>The identification of the
                                            agency that maintains the identification
                                            scheme.</xs:documentation>
                                    </xs:annotation>
                            </xs:attribute>
                            <xs:attribute name="schemeName"
                                            type="xs:string"
                                            use="optional">
                                    <xs:annotation>
                                            <xs:documentation>The name of the identification
                                            scheme.
                                            </xs:documentation>
                                    </xs:annotation>
                            </xs:attribute>
                    </xs:extension>
            </xs:simpleContent>
    </xs:complexType>
    <xs:complexType name="TextType">
            <xs:annotation>
                    <xs:documentation>A character string (i.e. a finite set of
                            characters) generally in the form of words of a language.
                    </xs:documentation>
            </xs:annotation>
            <xs:simpleContent>
                    <xs:extension base="xs:string" />
            </xs:simpleContent>
    </xs:complexType>  <!--Datatypes -->
    <xs:complexType name="AmountType">
            <xs:annotation>
                    <xs:documentation>A number of monetary units specified in a currency
                            where the unit of the currency is explicit or implied.
                    </xs:documentation>
            </xs:annotation>
```

```xml
            <xs:simpleContent>
                    <xs:extension base="xs:decimal">
                            <xs:attribute name="currencyID" type="xs:normalizedString"
                                    use="optional">
                                    <xs:annotation>
                                            <xs:documentation>The currency of the
                                            amount</xs:documentation>
                                    </xs:annotation>
                            </xs:attribute>
                    </xs:extension>
            </xs:simpleContent>
    </xs:complexType>
    <xs:complexType name="BinaryObjectType">
            <xs:annotation>
                    <xs:documentation>A set of finite-length sequences of binary octets.
                    </xs:documentation>
            </xs:annotation>
            <xs:simpleContent>
                    <xs:extension base="xs:base64Binary">
                            <xs:attribute name="filename" type="xs:string" use="optional">
                                    <xs:annotation>
                                            <xs:documentation>Must be the full filename
                                            including the extension(Reference IETF RFC 2045,
                                            2046, 2047)</xs:documentation>
                                    </xs:annotation>
                            </xs:attribute>
                            <xs:attribute name="format" type="xs:string" use="optional">
                                    <xs:annotation>
                                            <xs:documentation>The format of the binary
                                            content.Note: A file format is a particular way
                                            to encode information for storage in a computer
                                            file. May be identified by the section of its
                                            name following the final period, e.g., gif, pdf,
                                            jpg.</xs:documentation>
                                    </xs:annotation>
                            </xs:attribute>
                            <xs:attribute name="mimeCode" type="xs:normalizedString"
                                    use="optional">
                                    <xs:annotation>
                                            <xs:documentation>The mime type of the binary
                                            object.(Reference IETF RFC 2045, 2046, 2047)Note:
                                            consist of a standardised system of identifiers
                                            (managed by IANA) consisting of a type and a sub-
                                            type, separated by a slash - for instance,
                                            text/html or image/gif.
                                            </xs:documentation>
                                    </xs:annotation>
                            </xs:attribute>
                            <xs:attribute
                                    name="characterSetCode"
                                    type="xs:normalizedString"
                                    use="optional">
                                    <xs:annotation>
```

```xml
                                        <xs:documentation>The character set of the binary
                                        object if the mime type is text.(Reference IETF
                                        RFC 2045, 2046, 2047). Examples: ISO-8859-1, UTF-
                                        8, UTF-16. See also
                                        http://www.iana.org/assignments/character-sets.
                                        </xs:documentation>
                                </xs:annotation>
                        </xs:attribute>
                </xs:extension>
        </xs:simpleContent>
    </xs:complexType>
    <xs:complexType name="DateType">
        <xs:annotation>
                <xs:documentation>A particular point in the progression of time
                        together with the relevant supplementary information. OSCRE
                        dates follow the ISO 8601 Standard. The international standard
                        date notation is YYYY-MM-DD where YYYY is the year in the
                        usual Gregorian calendar, MM is the month of the year between
                        01 (January) and 12 (December), and DD is the day of the month
                        between 01 and 31.For example, the fourth day of February in
                        the year 1995 is written in the standard notation as 1995-02-
                        04</xs:documentation>
        </xs:annotation>
        <xs:simpleContent>
                <xs:extension base="xs:date" />
        </xs:simpleContent>
    </xs:complexType>
</xs:schema>
```