HM Land Registry

**Business Gateway
Developer pack**

Schema explain

Application enquiry

Version 1.0

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype

MessageID	`<xs:complexType name="Q1IdentifierType">`
	`  <xs:sequence>`
	`    <xs:element name="MessageID"`
	`        type="Q1TextType"`
	`        minOccurs="1" maxOccurs="1">`
	
	`<xs:complexType name="Q1TextType">`
	
	`  <xs:simpleContent>`
	`  <xs:extension base="Q1TextContentType" />`
	`  </xs:simpleContent>`
	`</xs:complexType>`
	
	`<xs:simpleType name="Q1TextContentType">`
	`  <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>`
	`</xs:simpleType>`
		This is the element that carries the Message ID. The message ID must be unique and must meet the pattern constraint.	Y	5	50	Y	xs:string

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype

RequestApplicationEnquiryV1_0Type	`<xs:complexType name="`**`RequestApplicationEnquiryV1_0Type`**`">`
	`  <xs:sequence>`
	`    <xs:element name="`**`ID`**`"`
	`          type="`**`Q1IdentifierType`**`"`
	`          minOccurs="1" maxOccurs="1" />`
	`    <xs:element name="`**`Product`**`"`
	`          type="`**`Q1ProductType`**`"`
	`          minOccurs="1" maxOccurs="1">`
	`    <xs:annotation>`
		This is the main container for carrying the message id and an instance of Q1Product Type	Y				

Data Input Field	Extract of relevant code from Schema	Description	Mandat ory	Min Value	Max Value	Has a pattern constra int	XML Datatype
Q1ProductType	```<xs:complexType name="Q1ProductType">

<xs:sequence>
        <xs:element name="ExternalReference"
type="Q1ExternalReferenceType"
minOccurs="1" maxOccurs="1">
        </xs:element>
          <xs:choice>
             <xs:element name="SubjectProperty"
type="Q1SubjectPropertyType" minOccurs="1" maxOccurs="1">
             </xs:element>
             <xs:element name="ApplicationReference"
type="ApplicationReferenceType" minOccurs="1"
maxOccurs="1">
             </xs:element>
        </xs:choice>
</xs:sequence>
</xs:complexType>``` | This element holds the relevant items to enable the search to be completed. Each item is described below.

Note the choice element. This is to separate the search into a title number search (Q1SubjectPropertyType) and an application reference search (ApplicationReferenceType). | Y | | | | |

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype

ApplicationReferenceType	`<xs:simpleType name="`**`ApplicationReferenceType`**`">`
	`    <xs:restriction base="xs:string">`
	`        <xs:minLength value="1" />`
	`        <xs:maxLength value="7" />`
	`    </xs:restriction>`
	`</xs:simpleType>`
		Straight forward element to hold the Land Registry's unique application reference	Y	1	7	N	xs:string

Q1SubjectPropertyType	`<xs:complexType name="`**`Q1SubjectPropertyType`**`">`
	`    <xs:sequence>`
	`        <xs:element name="`**`TitleNumber`**`" type="`**`Q2TextType`**`"`
	`            minOccurs="1" maxOccurs="1">`
	`        </xs:element>`
	`        <xs:element`
	`name="`**`ContinueIfTitleIsClosedAndContinuedIndicator`**`"`
	`            type="`**`IndicatorType`**`" minOccurs="1" maxOccurs="1">`
	`        </xs:element>`
	`    </xs:sequence>`
	`</xs:complexType>`
		Contains the title number required to search with.	Y				

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
ExternalReference	```<xs:element name="ExternalReference" type="Q1ExternalReferenceType" minOccurs="1" maxOccurs="1"> <xs:complexType name="Q1ExternalReferenceType"> <xs:sequence> <xs:element name="Reference" type="ReferenceTextContentType" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="AllocatedBy" type="Q3TextType" minOccurs="0" maxOccurs="1"> <xs:element name="Description" type="Q3TextType" minOccurs="0" maxOccurs="1"> <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~!"@#$%'\(\)*\+,\-\./:;=>\?\[\\\]_\{\}\^£]*" /> <xs:complexType name="Q3TextType"> <xs:simpleContent> <xs:extension base="Q3TextContentType" /> <xs:simpleType name="Q3TextContentType"> <xs:restriction base="xs:string"> <xs:pattern value=".*\S.*" /> </xs:restriction> </xs:simpleType>```	This element carries the external reference (this is a reference relevant to the user only) split into three parts. A reference number, allocated by and description The allocated by and description fields are not currently used and will just be returned (if completed) in the response the same as they were sent to HMLR. These extra fields may be useful for user' tracking of cases	Y	1	25	Y	xs:string

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype

TitleNumber	`<xs:element name="`**`TitleNumber`**`"`
	`        type="`**`Q2TextType`**`"`
	`     minOccurs="1" maxOccurs="1">`
	
	`<xs:complexType name="`**`Q2TextType`**`">`
	`   <xs:simpleContent>`
	`    <xs:extension base="`**`Q2TextContentType`**`" />`
	`   </xs:simpleContent>`
	
	`<xs:simpleType name="`**`Q2TextContentType`**`">`
	` <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>`
		This element is for setting up the title number required for the seach	Y	1	9	Y	xs:string

ContinueIfTitleIsClosedAndContinuedIndicator	`<xs:element`
	`name="`**`ContinueIfTitleIsClosedAndContinuedIndicator`**`"`
	`        type="`**`IndicatorType`**`" minOccurs="1" maxOccurs="1">`
	
	`<xs:complexType name="`**`IndicatorType`**`">`
	`   <xs:simpleContent>`
	`      <xs:extension base="xs:boolean" />`
	`   </xs:simpleContent>`
	`</xs:complexType>`
		Closed and continued indicator element is there so that if the subject title number is closed we will follow any chain of open title numbers to find the latest one.
		The enquiry will then be made using the newly found title,
			Y	1	1	N	xs:boolean