Land Registry

Business Gateway
Developer pack

Schema explain

Search by property description V2.0

Information Systems
Seaton Court
2 William Prance Road
Plymouth
Devon
PL6 5WS

www.landregistry.gov.uk

Data Input Field (from LR Test Harness)	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
User Credentials							
User Id							
Password							
Locale							

Message Id	`<xs:element name="`**ID**`"`
	   `type="`**Q1IdentifierType**`"`
	   `minOccurs="1" maxOccurs="1" />`
	
	`<xs:complexType name="Q1IdentifierType">`
	 `<xs:sequence>`
	 `<xs:element name="`**MessageID**`"`
	   `type="`**Q1TextType**`"`
	   `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:complexType name="`**Q1TextType**`">`
	 `<xs:documentation>A character string (i.e. a finite set of`
	           `characters) generally in the form of`
	           `words of a language.`
	 `</xs:documentation>`
	 `<xs:simpleContent>`
	 `<xs:extension base="`**Q1TextContentType**`" />`
	 `</xs:simpleContent>`
	
	`<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>`
		The unique message id of the request	Y	5	50	Y	xs:string

Data Input Field (from LR Test Harness)	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
RequestSearchByPropertyDescription V2_0"	**RequestSearchByPropertyDescriptionV2_0"** type="**RequestSearchByPropertyDescriptionV2_0Type**	This is the main container element on the schema. General search information follows: The simplest search that is most likely to find a match is a house number or name (in the BuildingName) and a postcode. If the building is divided into flats this could be refined by adding a BuildingNumber, or by selecting from the list of properties returned. If the postcode is not known, the street and town elements should be used. There is no cross-matching between elements, as all elements supplied are searched together for a match. If a number is entered into either BuildingName or BuildingNumber it will be searched against both elements i.e. if you search for Flat 1 it will return House 1 and Flat 1. The search criteria are also matched against historical and alternative versions of an address. This means that any address returned may not necessarily match the entered search criteria exactly.					

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

RequestSearchByPropertyDescription V2_0Type	`<xs:complexType name="`**`RequestSearchByPropertyDescriptionV2_0Type`**`">`
	`<xs:annotation>`
	`<xs:documentation>`This document provides the ability for the [External System] to search Title Number by providing property description. The [Business Gateway] will retrieve a list of all properties (maximum of 50) along with the title number and tenure matching the property description.
	`</xs:documentation>`
	`</xs:annotation>`
	`<xs:sequence>`
	`<xs:element name="`**`ID`**`"`
	`type="`**`Q1IdentifierType`**`"`
	`minOccurs="1" maxOccurs="1" />`
	`<xs:element name="`**`Product"`**
	`type="`**`Q1ProductType`**`"`
	`minOccurs="1" maxOccurs="1">`
	`<xs:annotation>`
	`<xs:documentation>`This component contains details regarding the search being ordered, expedited service, price details, delivery method and any attachment
	`</xs:documentation>`
		The Id element is described above (message id).
		
		The Product element is described below					

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

Q1ProductType	`<xs:complexType name="`**`Q1ProductType`**`">`
	`<xs:annotation>`
	`<xs:documentation>`This component contains details regarding the search being ordered, expedited service, price details, delivery method and any attachment`</xs:documentation>`
	`</xs:annotation>`
	`<xs:sequence>`
	`<xs:element name="`**`ExternalReference`**`"`
	`type="`**`Q1ExternalReferenceType`**`"`
	`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="`**`CustomerReference`**`"`
	`type="`**`Q1CustomerReferenceType`**`"`
	`minOccurs="1" maxOccurs="1">`
	`<xs:annotation>`
	`<xs:documentation>`Reference of the person for whom the remortgage is performed.`</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`
	`<xs:element name="`**`SubjectProperty`**`"`
	`type="`**`Q1SubjectPropertyType`**`"`
	`minOccurs="1" maxOccurs="1">`
	`<xs:annotation>`
	`<xs:documentation>`The Property which is the subject of the transaction, or on which a search is being prepared`</xs:documentation>`
		The product type element contains all of the elements necessary to carry enough information to LR to perform the Property Description Search.
		
		Each of the parts are described in detail below:					

Data Input Field (from LR Test Harness)	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
Customer Reference	`<xs:element name="CustomerReference"` `    type="Q1CustomerReferenceType"` `    minOccurs="1" maxOccurs="1">` `<xs:complexType name="Q1CustomerReferenceType">` `  <xs:documentation>`Provides a unique reference to identify a particular request, order or instruction or object in the system of the organisation allocating it.`</xs:documentation>` `<xs:element name="Reference"` `    type="ReferenceTextContentType"` `    minOccurs="1" maxOccurs="1">` `  <xs:documentation>`A unique reference given to identify a particular request, order or instruction in the system of the organisation allocating it.`</xs:documentation>` `<xs:element name="AllocatedBy"` `    type="TextType"` `    minOccurs="0" maxOccurs="1">` `  <xs:documentation>`The name of the organisation that has allocated the Reference`</xs:documentation>` `<xs:element name="Description"` `    type="TextType"` `    minOccurs="0" maxOccurs="1">` `  <xs:documentation>`This field can be used to provide reference description`</xs:documentation>` `<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:restriction>` `<xs:complexType name="TextType">` `  <xs:documentation>`A character string (i.e. a finite set of characters) generally in the form of words of a language.` `<xs:simpleContent>` `<xs:extension base="xs:string" />`	This element carries the Customer reference to LR. The customer reference is the reference the CMS uses to identify the customer linked to the request, within its own system. Allocated by and Description are not currently used.	Y	1	25	Y	xs:string

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

External Reference	`<xs:element name="ExternalReference" type="Q1ExternalReferenceType">`
	
	`<xs:complexType name="Q1ExternalReferenceType">`
	`<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:sequence>`
	`<xs:element name="Reference" type="ReferenceTextContentType" 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.`
	`</xs:documentation>`
	
	`<xs:element name="AllocatedBy" type="TextType" minOccurs="0" maxOccurs="1">`
	`<xs:annotation>`
	`<xs:documentation>The name of the organisation that has allocated the Reference`
	`</xs:documentation>`
	
	`<xs:element name="Description" type="TextType" minOccurs="0" maxOccurs="1">`
	`<xs:annotation>`
	`<xs:documentation>This field can be used to provide reference description`
	`</xs:documentation>`
	
	`<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:restriction>`
	
	`<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:simpleContent>`
	`<xs:extension base="xs:string" />`
		This element carries the External reference to LR. The external reference is the reference the CMS uses to identify the request within its own system.
		
		Allocated by and Description are not currently used.
			Y	1	25	Y	xs:string

Data Input Field (from LR Test Harness)	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
SubjectProperty	<xs:element name="**SubjectProperty**" type="**Q1SubjectPropertyType**"> <xs:complexType name="**Q1SubjectPropertyType**"> <xs:documentation>The Property which is the subject of the transaction. <xs:element name="**Address**" type="**Q1AddressType**" minOccurs="1" maxOccurs="1"> <xs:documentation>This is the address format used for the subject property <xs:complexType name="**Q1AddressType**"> <xs:documentation>A specific Address that can be used for the delivery of physical mail. <xs:sequence> <xs:element name="**BuildingName**" type="**BuildingNameTextContentType**" minOccurs="0" maxOccurs="1"> <xs:documentation>The name of the building or house on a street of this address <xs:element name="**BuildingNumber**" type="**BuildingNumberTextContentType**" minOccurs="0" maxOccurs="1"> <xs:documentation>The number of a building or house on a street of this address. Where the building or house occupies a range of numbers on the street, e.g. '1-9 Main St', this will be the lower number of the range. <xs:element name="**StreetName**" type="**StreetNameTextContentType**" minOccurs="0" maxOccurs="1"> <xs:documentation>Name of a street or thoroughfare <xs:element name="**CityName**" type="**CityTextContentType**" minOccurs="0" maxOccurs="1"> <xs:documentation>The name of the city, town or village of this address. <xs:element name="**PostcodeZone**" type="**PostcodeTextContentType**" minOccurs="0" maxOccurs="1"> <xs:documentation>The identifier for one or more properties according to the UK postal service; a group of letters and numbers added to the postal address to assist in the sorting of mail, as defined by the Royal Mail.	This is the container element that holds the details of the address to be searched for.					

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

Building Name	`<xs:element name="BuildingName"`
	`    type="BuildingNameTextContentType"`
	`    minOccurs="0" maxOccurs="1">`
	
	`<xs:simpleType name="BuildingNameTextContentType">`
	`<xs:restriction base="xs:string">`
	`<xs:minLength value="1" />`
	`<xs:maxLength value="50" />`
	`<xs:pattern value=".*\S.*" />`
	`</xs:restriction>`
	`</xs:simpleType>`
		The name or number of a building or house.
		
		• If the building has both a name and a number, just the number should be used, unless the number also contains alpha characters e.g. '70B Courtyard Apartments'.
		• If the number has just a single trailing alpha, the alpha should be dropped e.g. use '70' instead of '70B' and select from the list returned.
		• The wildcard parameter ("*") can be added at the end of this element, but may return more properties than required e.g. using 'HILL*' would return 'HILLVIEW' and 'HILLCREST'.
		• It is not possible to search on a sub-building name e.g. 'Ground Floor Flat'. Such properties would have to be selected from the list returned
				1	50	Y	xs:string

Building Number	`<xs:element name="BuildingNumber"`
	`    type="BuildingNumberTextContentType"`
	`    minOccurs="0" maxOccurs="1">`
	
	`<xs:simpleType name="BuildingNumberTextContentType">`
	`<xs:restriction base="xs:string">`
	`<xs:minLength value="1" />`
	`<xs:maxLength value="5" />`
	`<xs:pattern value=".*\S.*" />`
	`</xs:restriction>`
	`</xs:simpleType>`
		• Leading information such as 'Flat' should be dropped.		1	5	Y	xs:string

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

Street name	`<xs:element name="StreetName"`
	`    type="StreetNameTextContentType"`
	`    minOccurs="0" maxOccurs="1">`
	
	`<xs:simpleType name="StreetNameTextContentType">`
	` <xs:restriction base="xs:string">`
	` <xs:minLength value="1" />`
	` <xs:maxLength value="80" />`
	` <xs:pattern value=".*\S.*" />`
	` </xs:restriction>`
	` </xs:simpleType>`
		This element carries the name of the street the target property is located on.
		
		The wildcard parameter ("*") can be added at the end of this element to increase the chance of a match, but may return more properties than required.
				1	80	Y	xs:string

City Name	`<xs:element name="CityName"`
	`    type="CityTextContentType"`
	`    minOccurs="0" maxOccurs="1">`
	
	`<xs:simpleType name="CityTextContentType">`
	` <xs:restriction base="xs:string">`
	` <xs:minLength value="1" />`
	` <xs:maxLength value="35" />`
	` <xs:pattern value=".*\S.*" />`
	` </xs:restriction>`
	` </xs:simpleType>`
		This element carries the name of the city the target property is located in
		
		Locality should not be used here.
				1	35	Y	xs:string

Postcode Zone	`<xs:element name="PostcodeZone"`
	`    type="PostcodeTextContentType"`
	`    minOccurs="0" maxOccurs="1">`
	
	`<xs:simpleType name="PostcodeTextContentType">`
	` <xs:restriction base="xs:string">`
	` <xs:minLength value="1" />`
	` <xs:maxLength value="8" />`
	` <xs:pattern value="[A-Z]{1,2}[0-9R][0-9A-Z]? [0-9][A-Z-[CIKMOV]]{2}"`
	`/>`
	` </xs:restriction>`
	` </xs:simpleType>`
		This element carries the postcode of the target property.
		
		Partial postcodes (even for London, e.g. SW1) cannot be searched and will be rejected
				1	8	Y	xs:string