



## **Business Gateway Developer pack**

### **Schema explain**

### **Discharge Activity**

**Version 1.0**

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Data Input Field	Extract of relevant code from Schema	Description	Mandat ory	Min Value	Max Value	Has a pattern constra int	XML Datatype
MessageID	<pre>&lt;xs:complexType name="Q1IdentifierType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="MessageID"       type="Q1TextType"       minOccurs="1" maxOccurs="1"&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;  &lt;xs:complexType name="Q1TextType"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="Q1TextContentType" /&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt;  &lt;xs:simpleType name="Q1TextContentType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="5" /&gt;     &lt;xs:maxLength value="50" /&gt;     &lt;xs:pattern value="[a-zA-Z0-9][a-zA-Z0-9\-\-]*" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>	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	Mandat ory	Min Value	Max Value	Has a pattern constra int	XML Datatype
RequestDischargeActivityV1_0Type	<pre>&lt;xs:complexType name="RequestDischargeActivityV1_0Type"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ID"       type="Q1IdentifierType"       minOccurs="1" maxOccurs="1" /&gt;     &lt;xs:element name="Product"       type="Q1ProductType"       minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;</pre>	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	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
Q1ProductType	<pre> &lt;xs:complexType name="Q1ProductType"&gt;    &lt;xs:sequence&gt;     &lt;xs:element name="ExternalReference" type="Q1ExternalReferenceType" minOccurs="1" maxOccurs="1"&gt;       &lt;/xs:element&gt;     &lt;xs:choice&gt;       &lt;xs:element name="SubjectProperty" type="Q1SubjectPropertyType" minOccurs="1" maxOccurs="1"&gt;         &lt;/xs:element&gt;       &lt;/xs:choice&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; </pre>	<p>This element holds the relevant items to enable the search to be completed. Each item is described below.</p> <p>Note the choice element. This is to separate the search into a title number search (Q1SubjectPropertyType) and an application reference search (ApplicationReferenceType).</p>	Y				

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
Q1SubjectPropertyType	<pre> &lt;xs:complexType name="Q1SubjectPropertyType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="TitleNumber" type="Q2TextType"       minOccurs="1" maxOccurs="1"&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ContinueIfTitleIsClosedAndContinuedIndicator" type="IndicatorType" minOccurs="1" maxOccurs="1"&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ChargeDate" type="DateType"       minOccurs="0" maxOccurs="1"&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>	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	<pre> &lt;xs:element name="ExternalReference"   type="Q1ExternalReferenceType"   minOccurs="1" maxOccurs="1"&gt;  &lt;xs:complexType name="Q1ExternalReferenceType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Reference"       type="ReferenceTextContentType"       minOccurs="1" maxOccurs="1"&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AllocatedBy"       type="Q3TextType"       minOccurs="0" maxOccurs="1"&gt;     &lt;xs:element name="Description"       type="Q3TextType"       minOccurs="0" maxOccurs="1"&gt;  &lt;xs:simpleType name="ReferenceTextContentType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="1" /&gt;     &lt;xs:maxLength value="25" /&gt;     &lt;xs:pattern value="[A-Za-z0-9\s~!&amp;quot;@#%\$'\(\)\*\+\,\-\.\/:;=&amp;gt;\?\\[\]\_{}^&amp;#xa3;]*" /&gt;  &lt;xs:complexType name="Q3TextType"&gt;  &lt;xs:simpleContent&gt;   &lt;xs:extension base="Q3TextContentType" /&gt;  &lt;xs:simpleType name="Q3TextContentType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:pattern value=".*\S.*" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	<p>This element carries the external reference (this is a reference relevant to the user only) split into three parts.</p> <p>A reference number, allocated by and description</p> <p>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.</p> <p>These extra fields may be useful for user' tracking of cases</p>	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
<b>TitleNumber</b>	<pre> &lt;xs:element name="TitleNumber"   type="Q2TextType"   minOccurs="1" maxOccurs="1"&gt;    &lt;xs:complexType name="Q2TextType"&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="Q2TextContentType" /&gt;     &lt;/xs:simpleContent&gt;      &lt;xs:simpleType name="Q2TextContentType"&gt;       &lt;xs:restriction base="xs:string"&gt;         &lt;xs:minLength value="1" /&gt;         &lt;xs:maxLength value="9" /&gt;         &lt;xs:pattern value="[A-Z]{0,3}[0-9]{1,6}[ZT]?" /&gt;       &lt;/xs:restriction&gt;     &lt;/xs:simpleType&gt;   &lt;/xs:complexType&gt; </pre>	This element is for setting up the title number required for the search	Y	1	9	Y	xs:string
<b>ContinueIfTitleIsClosedAndContinuedIndicator</b>	<pre> &lt;xs:element   name="ContinueIfTitleIsClosedAndContinuedIndicator"   type="IndicatorType" minOccurs="1" maxOccurs="1"&gt;    &lt;xs:complexType name="IndicatorType"&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="xs:boolean" /&gt;     &lt;/xs:simpleContent&gt;   &lt;/xs:complexType&gt; </pre>	<p>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.</p> <p>The enquiry will then be made using the newly found title,</p>	Y	1	1	N	xs:boolean

Data Input Field	Extract of relevant code from Schema	Description	Mandatory	Min Value	Max Value	Has a pattern constraint	XML Datatype
ChargeDate	<pre>&lt;xs:element name="ChargeDate" type="DateType"   minOccurs="0" maxOccurs="1"&gt; &lt;/xs:element&gt;  &lt;xs:complexType name="DateType"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="xs:date" /&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt;</pre>	The date of a charge, that you want to check, that has been discharged within the last 30 calendar days	N			YYYY-MM-DD	xs:date