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| --- | --- | --- |
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| Contributors: |  |  |
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Document History

Document Revisions List

Issue revision history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Status | Date | Editor | Description/Summary of Changes |
| 0.1 | Draft | 13/02/2013 | Polly Shaw | Initial Draft. Includes Questions, Answers, and Question Transfers. The specifications for submitting Question Transfers and receiving the list of Answering Bodies are highly provisional as these have not been implemented yet. Specification for Written Ministerial Statements and Notices of Written Ministerial Statements is not included. |
| 0.2 | Draft | 05/03/2013 | Polly Shaw | Changes to specification in order to introduce complete question history and grouped answers. Also put in the AnsweredBy, MinisterID and MinisterName field requirement for Content-Type header for PUTs and the. |
| 0.3 | Draft | 08/03/2013 | Polly Shaw | Renamed ‘NamedDay’ field to ‘DateForAnswer’ |
| 0.4 | Draft | 19/03/2013 | Polly Shaw | Added endpoints for getting all answers, updating an answer’s status, getting all notifications and updating a notification’s status. |
| 0.5 | Draft | 20/06/2013 | Polly Shaw | Removed references to Transfers, Written Ministerial Statements and Notices of Written Ministerial statements and the use of the QuestionText as a concurrency check. Also removed requirement for Answering Bodies to send through ContentType header in PUT requests. |
| 0.6 | Draft | 04/07/2013 | Polly Shaw | Removed Transfers element from Questions. Added additional status codes to Answers endpoint. |
| 0.7 | Draft | 10/07/2013 | Polly Shaw | Added date range filter. |
| 0.8 | Draft | 20/08/2013 | Polly Shaw | Minor alterations to schema. |
| 0.9 | Draft | 13/09/2013 | Polly Shaw | Added ParliamentNumber and SessionNumber to question GET. |
| 0.91 | Draft | 24/09/2013 | Polly Shaw | Added stipulation that corrections to answers must not be grouped. |
| 0.92 | Draft | 25/10/2013 | Polly Shaw | Added AnswerNotExpected status |
| 0.93 | Draft | 31/10/2013 | Polly Shaw | Added title. |
| 0.94 | Draft | 19/11/2013 | Polly Shaw | Made changes to schema and Answer example – removed Answered By from examples and added Attachment Title.Also added forthcoming changes section. |
| 0.95 | Draft | 02/12/2013 | Polly Shaw | Added error status for Answer PUT for when answers to Commons questions are submitted before the Date for Answer.Changed schema for Answers to include AnsweringMemberHasApprovedAnswer. Added error status for Answer PUT for when Lords questions are submitted without this field or have it set to false.Put a maximum length for attachment titles. |
| 0.96 | Draft | 03/12/2013 | Polly Shaw | Changed the behaviour on submitting a correction – it now returns a 403 if there is a previous answer awaiting approval. |
| 0.97 | Draft | 28/01/2014 | Polly Shaw | Removed tfoot from the list of allowed HTML tags. |
| 0.98 | Draft | 13/02/2014 | Polly Shaw | Added AnsweringBodyShortName to AnsweringBody element in Questions. |
| 0.99 | Draft | 05/03/2014 | Polly Shaw | Added in real root of service. Removed new statuses from Forthcoming changes section and updated section 3.3.2 to include new statuses. |
| 0.100 | Draft | 06/03/2014 | Polly Shaw | Added note about AnswerDueDate into Forthcoming Changes section. |
| 0.101 | Draft | 06/03/2014 | Polly Shaw | Added details about the conditions under which a 400 will be returned from the Questions endpoint. |
| 1.0 | Issued | 12/05/2014 | Polly Shaw | Removed AnsweringMemberHasApprovedAnswer. Removed corrections. Added URL for Question. Removed QuestionVersionNumber from Answer. Changed HTTP response codes for Answer PUT and reformatted section. Added link to page on Q&A system for setting up Web API user. Added comment that answers submitted will be saved in the status of Incomplete |
| 1.01 | Issued | 20/05/2014 | Polly Shaw | Changed behaviour of Question GET by UIN so that it does not produce an error when the UIN does not exist or is not assigned to the AB – instead it produces an empty Questions element. |
| 1.02 | Issued | 02/07/2014 | Polly Shaw | Added in note that a 400 error is returned if the Answering Minister is the same as the Tabling Member. |
| 1.03 | Issued | 27/08/2014 | Polly Shaw | Removed reference to Prorogation as there are now no plans to disable the web service when Parliament has been prorogued. As answers can’t be submitted to Parliament through the Web API there is no need to. |

Table of Contents

[1 Document Purpose 4](#_Toc396913150)

[2 Forthcoming changes 4](#_Toc396913151)

[3 Service Description 4](#_Toc396913152)

[3.1 Summary of the available actions 4](#_Toc396913153)

[3.2 Authentication 4](#_Toc396913154)

[3.3 Message and endpoint formats 4](#_Toc396913155)

[3.3.1 Getting All Questions 4](#_Toc396913156)

[3.3.2 Filtering questions by Status and DateRange 6](#_Toc396913157)

[3.3.3 Getting a question by UIN 6](#_Toc396913158)

[3.3.4 Getting all Members of the Houses of Parliament 6](#_Toc396913159)

[3.3.5 Saving Answers 7](#_Toc396913160)

[4 Schema of the messages 9](#_Toc396913161)

# Document Purpose

This document provides Answering Bodies with the specification of an API which will enable their internal correspondence systems to interact with the Parliamentary Questions and Answers system.

# Forthcoming changes

The first live release of the service was made in April 2014 and contained the Questions functionality only: i.e. it was not possible to upload Answers. The full functionality will be implemented and released by the Summer Recess in 2014.

An AnswerDueDate element will be inserted into the Question type to indicate when the question is due to be answered, but this feature will not be part of the first live release.

# Service Description

## Summary of the available actions

The following will be retrievable from the API:

* Questions from the current parliamentary session.

The following will be retrievable from Members’ Names:

* All Members of the House of Commons and the House of Lords.

The API will support submission of the following entity from Answering Bodies:

* Answers

The term [base URL] stands in for the location of the root of the service throughout this section. The root of the service is ‘https://api.wqa.parliament.uk/api/qais’.

## Authentication

Answering Body Super users can set up a username and password for the API using instructions contained the Q&A Help page at <https://wqa.parliament.uk/Help/Index>.

The username and password should be sent with all requests using the [HTTP Basic Authentication Scheme](http://tools.ietf.org/html/rfc1945#section-11.1).

## Message and endpoint formats

### Getting All Questions

By sending a GET request to [base URL]/questions an Answering Body can receive a list of all questions along with details of all changes to questions and any transfers in the current session for answer by their department in the following format:

<?xml version="1.0" encoding="utf-8"?>

<Questions xmlns="http://data.parliament.uk/QnA/2013/02" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

 <Question>

 <!--UIN of the question-->

 <Uin>HL4837</Uin>

 <!-- Last date any fields on the question have been updated -->

 <UpdatedDate>2013-02-03T10:30:46.45327Z</UpdatedDate>

 <AnsweringBody>

 <!-- Parliament's ID of the answering body -->

 <AnsweringBodyId>14</AnsweringBodyId>

 <!-- Name of the answering body -->

 <AnsweringBodyName>Department of Environment, Food and Rural Affairs</AnsweringBodyName>

 <AnsweringBodyShortName>Environment, Food and Rural Affairs</AnsweringBodyShortName>

 <AnsweringBodySortName>Environment, Food and Rural Affairs</AnsweringBodySortName>

 </AnsweringBody>

 <House>

 <!--ID 1 for the House of Commons, ID 2 for the House of Lords -->

 <HouseId>2</HouseId>

 <HouseName>House of Lords</HouseName>

 </House>

 <TablingMember>

 <!-- Our ID for Member. Ids of MPs and Peers are guaranteed not to clash -->

 <MemberId>2479</MemberId>

 <MemberName>Diana Johnson</MemberName>

 <Constituency>Kingston upon Hull North</Constituency>

 </TablingMember>

 <!-- Status can be

 Tabled

 Withdrawn

 WithdrawnWithoutNotice

 AnswerNotExpected

 Incomplete

 PendingCorrectionReview

 PendingAnswerReview

 ReturnedVirus

 ReturnedCorrection

 ReturnedAnswer

 Answered

 Holding

 ScanningForVirus

 -->

 <QuestionStatus>Tabled</QuestionStatus>

 <!-- QuestionType can be Ordinary, Named Day or Daily -->

 <QuestionType>NamedDay</QuestionType>

 <!-- Whether the tabling member has a registered interest in the question -->

 <RegisteredInterest>false</RegisteredInterest>

 <!-- Current parliamentary session -->

 <Session>2012-13</Session>

 <!-- Date the question was tabled -->

 <TabledDate>2013-01-22Z</TabledDate>

 <!-- Date for answer of the question -->

 <DateForAnswer>2013-01-27Z</DateForAnswer>

 <!-- Target of the question -->

 <Target>Secretary of State for Environment, Food and Rural Affairs</Target>

 <!-- Text of the question -->

 <Text>

 what meetings (a) he and (b) Ministers in his Department have had with colleagues in the (i) Cabinet Office and (ii) HM Treasury to discuss the future of flood insurance in the last 12 months.

 </Text>

 <!-- Current version of the question -->

 <VersionNumber>2</VersionNumber>

 <!-- Number of the parliament-->

 <ParliamentNumber>55</ParliamentNumber>

 <!-- Number of the session within the parliament-->

 <SessionNumber>3</SessionNumber>

 <Url>https://wqa.parliament.uk/Questions/Details/33367</Url>

 </Question>

</Questions>

 This format corresponds to the Questions element in the schema in section 0.

### Filtering questions by Status and DateRange

An Answering Body can receive a list of all questions filtered by question status and/or last updated date by sending a GET request to [base URL]/questions?status={status}&dateFrom={dateFrom}&dateTo={dateTo}. Status should be one of the following strings:

* Tabled
* Withdrawn
* WithdrawnWithoutNotice
* AnswerNotExpected
* Incomplete
* PendingCorrectionReview
* PendingAnswerReview
* ReturnedVirus
* ReturnedCorrection
* ReturnedAnswer
* Answered
* Holding
* ScanningForVirus

dateFrom and dateTo should be dates in the format YYYY-MM-DDTHH:mm:ssZ, where the colons may be percent escaped as %3A.

If the time component of the dateFrom and dateTo parameters are omitted then the time will be interpreted as 00:00:00. If the Z is omitted then the time zone will be interpreted as UTC.

Omitting any of the status, dataFrom and dateTo parameters will have the effect of not filtering the questions on that parameter.

The questions will be provided in the format described in section 3.3.1.

If the Status parameter is present but is not one of the values in the list above, or the dates are not recognised as valid dates then a 400 Bad Request response will be returned with the explanation in the body.

### Getting a question by UIN

An Answering Body can get the details of a question that has been assigned to it by sending a GET request to [Base URL]/questions/[UIN] where UIN is the UIN of the question. The question will be provided in the format described in section 3.3.1, including the outer Questions element.

If the question does not exist or is not assigned to the Answering Body a 200 response will be returned and the body will consist of an empty <Questions xmlns="http://data.parliament.uk/QnA/2013/02"/> element.

### Getting all Members of the Houses of Parliament

An Answering Body can receive a list of all members of the House of Commons by sending a GET request to [http://data.parliament.uk/membersdataplatform/services/mnis/members/query/House=Commons/](http://data.parliament.uk/membersdataplatform/services/mnis/members/query/House%3DCommons/), and can receive a list of all members of the House of Lords by sending a GET request to [http://data.parliament.uk/membersdataplatform/services/mnis/members/query/House=Lords/](http://data.parliament.uk/membersdataplatform/services/mnis/members/query/House%3DLords/). No authentication is required.

The response returned from both the links above is an XML list of members in the following format:

<Members>

 <Member Member\_Id="172" Dods\_Id="25790" Pims\_Id="3572">

 <DisplayAs>Ms Diane Abbott</DisplayAs>

 <ListAs>Abbott, Diane</ListAs>

 <FullTitle>Ms Diane Abbott MP</FullTitle>

 <DateOfBirth>1953-09-27T00:00:00</DateOfBirth>

 <DateOfDeath xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>

 <Gender>F</Gender>

 <Party Id="15">Labour</Party>

 <House>Commons</House>

 <MemberFrom>Hackney North and Stoke Newington</MemberFrom>

 <HouseStartDate>1987-06-11T00:00:00</HouseStartDate>

 <HouseEndDate xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>

 <CurrentStatus Id="0" IsActive="True">

 <Name>Current Member</Name>

 <Reason/>

 <StartDate>1987-06-11T00:00:00</StartDate>

 </CurrentStatus>

 </Member>

 <Member Member\_Id="4212" Dods\_Id="80556" Pims\_Id="5905">

 <DisplayAs>Debbie Abrahams</DisplayAs>

 <ListAs>Abrahams, Debbie</ListAs>

 <FullTitle>Debbie Abrahams MP</FullTitle>

 <DateOfBirth>1960-09-15T00:00:00</DateOfBirth>

 <DateOfDeath xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>

 <Gender>F</Gender>

 <Party Id="15">Labour</Party>

 <House>Commons</House>

 <MemberFrom>Oldham East and Saddleworth</MemberFrom>

 <HouseStartDate>2011-01-13T00:00:00</HouseStartDate>

 <HouseEndDate xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>

 <CurrentStatus Id="0" IsActive="True">

 <Name>Current Member</Name>

 <Reason/>

 <StartDate>2011-01-13T00:00:00</StartDate>

 </CurrentStatus>

 </Member>

</Members>

The Member\_Id attribute is needed to fill in the ‘MinisterId’ field when submitting an answer.

### Saving Answers

Answering bodies may save answers Q&A system in the status of Incomplete by sending a PUT request to [base URL]/answers/[UIN of question] in the following format, which corresponds to the qna:Answer type in the schema in section 0.

<?xml version="1.0" encoding="utf-8"?>

<Answer xmlns="http://data.parliament.uk/QnA/2013/02">

 <!--Whether or not the answer is a holding answer-->

 <IsHoldingAnswer>false</IsHoldingAnswer>

 <!--Text of the answer-->

 <Text>Test answer</Text>

 <!--ID of the minister answering the question – comes from Member\_Id in the Xml in the previous

section -->

 <MinisterId>8</MinisterId>

 <!-- Any questions which are grouped with the main question

 The following element may be omitted if this is not a grouped answer -->

 <OtherQuestionsInGroup>

 <QuestionInGroup>

 <!-- The UIN of a question to be grouped with this question -->

 <Uin>739572</Uin>

 </QuestionInGroup>

 <QuestionInGroup>

 <Uin>738596</Uin>

 </QuestionInGroup>

 </OtherQuestionsInGroup>

 <!-- Any attachments to be sent to Parliament along with the answer -->

 <Attachments>

 <Attachment>

 <!-- Title of the attachment -->

 <Title>An Excel file</Title>

 <!--Filename of the attachments-->

 <FileName>Book1.xlsx</FileName>

 <!--Base64 encoded content of the attachments-->

 <Contents>UEsDBBQABgAIAAAAIQAwd0OJbQEAAJg=</Contents>

 </Attachment>

 <Attachment>

 <Title>A Word document</Title>

 <FileName>Doc1.docx</FileName>

 <Contents>UEsDBBQABgAIAAAAIQDd/JU=</Contents>

 </Attachment>

 </Attachments>

</Answer>

In the case of grouped answers, the UIN of one question in the group should be chosen for the URL and the UINs of the other questions in the group should be placed in the OtherQuestionsInGroup element. The UIN that is chosen for the URL is not significant and is not recorded by the Q&A system.

The following table lists the responses to the Answer PUT:

|  |  |
| --- | --- |
| HTTP Status Code | Reasons |
| 200 | * Answer is valid and has been saved as incomplete on the Q&A system.
 |
| 400 | * The body of the request does not conform to the Answer type of the schema.
* There are QuestionInGroup elements in the OtherQuestionsInGroup element, and at least one of their Uin fields do not correspond to questions on the system originating from the same house as the UIN in the URL.
* The MinisterID does not correspond to a member of the house from which the question arose.
* The MinisterID is the same as the TablingMember/MemberId of the question.
* The answer does not have IsHoldingAnswer set to an xs:boolean True value and the Text field is absent.
* The FileName element of at least one of the Attachment elements does not have a suffix which indicates it is one of the permitted formats. (See the User Guide in the Q&A application for the list of permitted formats.)
 |
| 403 | * The question UIN in the URL, or any of the questions in the group is not assigned to the Answering Body or is in the process of being transferred to another Answering Body.
* The question, or any of the questions in the group do not have the status of Tabled, Incomplete, Returned Virus, Returned Answer or Holding.
* The answer has IsHoldingAnswer set to an xs:Boolean True value and the answer is for the House of Lords.
* The answer is grouped and is for the House of Commons, contains at least one question for which the date for answer has not been reached, and at least one question which does not have the same date for answer as the question indexed by the UIN in the URL.
 |
| 404 | * The UIN does not exist on the system.
 |

In the event of a 200 response the body of the message will conform to the AnswerResponse element in the schema. Here is an example of a response:

<?xml version="1.0" encoding="utf-8"?>

<AnswerResponse xmlns="http://data.parliament.uk/QnA/2013/02">

 <AnswerPreviewUrl>https://wqa.parliament.uk/Questions/Details/33367</AnswerPreviewUrl>

</AnswerResponse>

The AnswerPreviewUrl represents the Preview page of the Answer, which when visited in a browser provides the ability to submit the question to Parliament.

The following HTML tags will be permitted in the Text field:

|  |  |  |
| --- | --- | --- |
| Tag | Attributes | Restrictions |
| table | None | None |
| tbody | None | None |
| thead | None | None |
| tr | None | None |
| td | rowspan, colspan | None |
| th | rowspan, colspan, scope | None |
| b | None | None |
| strong | None | None |
| em | None | None |
| i | None | None |
| u | None | None |
| ol | start, type | None |
| ul | None | None |
| li | Value | None |
| blockquote | cite | cite must start with http:// or https:// (case insensitive & after trimming whitespace) |
| p | None | None |
| br | None | None |
| a | href, title | Href must start with **Error! Hyperlink reference not valid.**, https:// or mailto: (case insensitive & after trimming whitespace) |
| q | Cite | cite must start with http:// or https:// (case insensitive & after trimming whitespace) |
| sup | None | None |
| sub | None | None |

Any tags which are not permitted will be stripped without returning an error message.

If IsHoldingAnswer is true, any attachments and text submitted will be ignored, and default text will be inserted.

In the event of a response other than 200, the body of the response will return a message containing details of the error.

# Schema of the messages

The payload of each message will conform to part of the schema below.

<?xml version="1.0" encoding="utf-8"?>

<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"

 xmlns:qna="http://data.parliament.uk/QnA/2013/02" targetNamespace="http://data.parliament.uk/QnA/2013/02"

 xmlns:xs="http://www.w3.org/2001/XMLSchema">

 <xs:element name="MemberUserName" type="xs:string" />

 <xs:element name="Question" type="qna:Question" />

 <xs:element name="AnswerResponse" type="qna:AnswerResponse"/>

 <xs:element name="Questions">

 <xs:complexType>

 <xs:sequence>

 <xs:element name="Question" type="qna:Question" maxOccurs="unbounded" minOccurs="0" />

 </xs:sequence>

 </xs:complexType>

 </xs:element>

 <xs:element name="Answer" type="qna:Answer" />

 <xs:complexType name="Question">

 <xs:all>

 <xs:element name="Uin" type="xs:string" />

 <xs:element name="AnsweringBody" type="qna:AnsweringBody" />

 <xs:element name="Text" type="xs:string" />

 <xs:element name="VersionNumber" minOccurs="0" maxOccurs="1" type="xs:int" />

 <xs:element name="PreviousVersions" minOccurs="0" maxOccurs="1">

 <xs:complexType>

 <xs:sequence>

 <xs:element name="PreviousVersion" type="qna:QuestionVersion" />

 </xs:sequence>

 </xs:complexType>

 </xs:element>

 <xs:element name="UpdatedDate" minOccurs="0" maxOccurs="1" type="xs:dateTime" />

 <xs:element name="House" type="qna:HouseElement" />

 <xs:element name="TablingMember" type="qna:Member" />

 <xs:element name="QuestionStatus" type="qna:QuestionStatus" />

 <xs:element name="QuestionType" type="qna:QuestionType" />

 <xs:element name="RegisteredInterest" type="xs:boolean" />

 <xs:element name="Session" type="xs:string" />

 <xs:element name="TabledDate" type="xs:date" />

 <xs:element name="DateForAnswer" type="xs:date" />

 <xs:element name="Target" type="xs:string" />

 <xs:element name="ParliamentNumber" type="xs:int" minOccurs="0" />

 <xs:element name="SessionNumber" type="xs:int" minOccurs="0" />

 <xs:element name="Heading" type="xs:string" minOccurs="0" />

 <xs:element name="Topic" type="qna:Topics" minOccurs="0" />

 <xs:element name="IsOralNotReached" type="xs:boolean" minOccurs="0" />

 <xs:element name="Url" type="xs:anyURI" minOccurs="0" />

 <xs:element name="AnswerDueDate" type="xs:date" minOccurs="0"/>

 </xs:all>

 </xs:complexType>

 <xs:complexType name="QuestionVersion">

 <xs:all>

 <xs:element name="VersionNumber" type="xs:int" />

 <xs:element name="UpdatedDate" type="xs:dateTime" />

 <xs:element name="Text" type="xs:string" />

 </xs:all>

 </xs:complexType>

 <xs:complexType name="Member">

 <xs:all>

 <xs:element name="MemberId" minOccurs="1" maxOccurs="1" type="xs:positiveInteger" />

 <xs:element name="MemberName" type="xs:string" minOccurs="0" maxOccurs="1" />

 <xs:element name="Constituency" type="xs:string" minOccurs="0" maxOccurs="1" />

 </xs:all>

 </xs:complexType>

 <xs:simpleType name="QuestionType">

 <xs:restriction base="xs:string">

 <xs:enumeration value="Ordinary" />

 <xs:enumeration value="Daily" />

 <xs:enumeration value="NamedDay" />

 </xs:restriction>

 </xs:simpleType>

 <xs:simpleType name="QuestionStatus">

 <xs:restriction base="xs:string">

 <xs:enumeration value="Tabled" />

 <xs:enumeration value="Withdrawn" />

 <xs:enumeration value="WithdrawnWithoutNotice" />

 <xs:enumeration value="AnswerNotExpected" />

 <xs:enumeration value="Incomplete" />

 <xs:enumeration value="PendingCorrectionReview" />

 <xs:enumeration value="PendingAnswerReview" />

 <xs:enumeration value="ReturnedVirus" />

 <xs:enumeration value="ReturnedCorrection" />

 <xs:enumeration value="ReturnedAnswer" />

 <xs:enumeration value="Answered" />

 <xs:enumeration value="Holding" />

 <xs:enumeration value="ScanningForVirus" />

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="AnsweringBody">

 <xs:all>

 <xs:element name="AnsweringBodyId" type="xs:positiveInteger" minOccurs="1" maxOccurs="1" />

 <xs:element name="AnsweringBodyName" type="xs:string" minOccurs="0" maxOccurs="1" />

 <xs:element name="AnsweringBodyShortName" type="xs:string" minOccurs="0" maxOccurs="1" />

 <xs:element name="AnsweringBodySortName" type="xs:string" minOccurs="0" maxOccurs="1" />

 </xs:all>

 </xs:complexType>

 <xs:simpleType name="House">

 <xs:restriction base="xs:unsignedByte">

 <xs:enumeration value="1" />

 <xs:enumeration value="2" />

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="HouseElement">

 <xs:all>

 <xs:element name="HouseId" type="qna:House" />

 <xs:element name="HouseName" type="xs:string" />

 </xs:all>

 </xs:complexType>

 <xs:complexType name="Answer">

 <xs:all>

 <xs:element name="MinisterId" minOccurs="0" maxOccurs="1" type="xs:positiveInteger" />

 <xs:element name="IsHoldingAnswer" type="xs:boolean" minOccurs="1" />

 <xs:element name="Text" type="qna:NonEmptyString" minOccurs="0"/>

 <xs:element name="OtherQuestionsInGroup" type="qna:OtherQuestionsInGroup" minOccurs="0"/>

 <xs:element minOccurs="0" maxOccurs="1" name="Attachments" type="qna:Attachments"/>

 <xs:element minOccurs="0" maxOccurs="1" name="QuestionVersionNumber" type="xs:integer"/>

 </xs:all>

 </xs:complexType>

 <xs:complexType name="OtherQuestionsInGroup">

 <xs:sequence>

 <xs:element name="QuestionInGroup" type="qna:QuestionInGroup" maxOccurs="unbounded" />

 </xs:sequence>

 </xs:complexType>

 <xs:complexType name="Attachments">

 <xs:sequence>

 <xs:element maxOccurs="3" name="Attachment" type="qna:Attachment"/>

 </xs:sequence>

 </xs:complexType>

 <xs:complexType name="Attachment">

 <xs:all>

 <xs:element name="Title">

 <xs:simpleType>

 <xs:restriction base="qna:NonEmptyString">

 <xs:maxLength value="50" />

 </xs:restriction>

 </xs:simpleType>

 </xs:element>

 <xs:element name="FileName" type="qna:NonEmptyString" />

 <xs:element name="Contents" >

 <xs:simpleType>

 <xs:restriction base="xs:base64Binary">

 <xs:maxLength value="4194304"/>

 <xs:minLength value="1"/>

 </xs:restriction>

 </xs:simpleType>

 </xs:element>

 </xs:all>

 </xs:complexType>

 <xs:complexType name="QuestionInGroup">

 <xs:all>

 <xs:element name="Uin" type="xs:string" minOccurs="1" maxOccurs="1"/>

 </xs:all>

 </xs:complexType>

 <xs:simpleType name="NonEmptyString">

 <xs:restriction base="xs:string">

 <xs:minLength value="1" />

 </xs:restriction>

 </xs:simpleType>

 <xs:complexType name="Topics">

 <xs:sequence>

 <xs:element name="Topic" maxOccurs="unbounded" minOccurs="0">

 <xs:complexType>

 <xs:all>

 <xs:element name="Name" type="xs:string" />

 <xs:element name="Id" type="xs:integer" />

 </xs:all>

 </xs:complexType>

 </xs:element>

 </xs:sequence>

 </xs:complexType>

 <xs:complexType name="AnswerResponse">

 <xs:all>

 <xs:element name="AnswerPreviewUrl" type="xs:anyURI" />

 </xs:all>

 </xs:complexType>

</xs:schema>