CONNECTING TO THE ENTITY KADOE SERVICE

Version 1.12

T +44 (0)1795 415800
F +44 (0)1795 415819
www.entity.co.uk

Document Revision History

Version	Issue Date	Author	Reason for Change
1.0	26th August 2011	Nick Gregory	First issue
1.1	May 2015	Nick Gregory	Test environment changed and text updated
1.11	Aug 2016	Nick Gregory	Note about test environment credentials added
1.12	July 2018	Nick Gregory	Message control and VQ3 schema change

Content

Audience 5
Introduction 6
Prerequisites for using the KADOE Service 7
KADOE Service API Basics 8
Terminology 8
Connection using HTTPS 8
Connecting to our service API 8
Authentication with our service 9
Authentication with our test service 9
Message structure 9
Request messages sent by your software 9
Response messages sent by the interface 10
Batch Numbers 12
Batch Processing of Vehicle Keeper Enquiries 12
Response Types 13
Validation by the KADOE Service 14
Schema validation 14
Vehicle registration 14
Date of Event 14
Future dates 14
User name and Passwords 14
Test Environment 14
The Test Flag on the message 15
KADOE Service API Messages 16
Message Control 16
Request Header 16
Response Header 17
Types of response from the KADOE service 17
Error messages 18
Message specific elements that is sent as part of the response messages 18
Change Password (ChangePassword) 19
Communication Test (CommsTest) 20
Debit Statement Request (DEBRequest) 21
Response content 21
Debit Statement Complete (DEBComplete) 23
Message content 23
Enquirer Request (EnquirerRequest) 24
Response content 24
Seed KADOE Service Debit Statement Control Reference (SeedDebCtrlRef) 26
Seed KADOE Service Response Control Reference (SeedVQ7CtrlRef) 27
Vehicle Keeper Enquiry (VQ3Enquiry) 28
Vehicle Keeper Response Available Request (VQ7AvailableRequest) 30
Using the VQ7AvailableRequest message 31
Vehicle Keeper Response Request (VQ7Request) 31
Vehicle Keeper Response (VQ7) 32

Vehicle Keeper Name (KeeperName) **32**
Vehicle Keeper Address (KeeperAdress) **32**
Vehicle Details (VehicleDetails) **32**
Vehicle Responses Complete (VQ7Complete) 35
Appendix 36
Errors sent in response messages that are ERR response types 36
Vehicle keeper enquiry response errors (WARN response type). 36

Audience

This document contains the technical information to help you connect to the Entity KADOE service. You should be reading this document if you are planning to implement a direct connection to the service.

Introduction

The Entity KADOE service provides secure and flexible connectivity for companies wishing to use the DVLA's vehicle keeper lookup service. Using the KADOE service removes the need for the specialised network infrastructure demanded by the DVLA and provides email and telephone support for users of our service.

The Entity KADOE service is secure and complies fully with the DVLA's strict data protection policies. Connections between companies and the Entity KADOE service are secure connections.

Companies that use the Entity KADOE service do so once they have signed a contract with the DVLA. The Entity KADOE service does not take away any of the responsibilities those companies have for the security and proper handling of the data that the DVLA provides via the Entity KADOE service. If you are in any doubt about how your data should be secured, or if you would like help in preparing a security audit in the context of our service, then please get in touch.

There are 4 ways to connect to the service:

1. **By a desktop client that runs on the Windows operating system**
2. **By an Electronic Data Interchange (EDI) connection through your EDI network provider**
3. **By file transfers over a secured (SSH) file transfer connection.**
4. **By HTTPS secured API connection used by your back-office system.**

There are several things you need to consider before choosing which method is best for you. We are happy to discuss these in detail with you.

This document deals with connections to the KADOE service API.

Prerequisites for using the KADOE Service

The Entity KADOE service is a value-added messaging service between yourselves and the DVLA. You are responsible for the data that you send us and the data you receive from us. Your company must be authorised by the DVLA to use their vehicle keeper look-up service before it can use the KADOE service. Your company must be registered with our service and have a contract with us before you can connect to the service.

These prerequisites are enforced because the service deals with personal (to the vehicle keeper) data. You must be aware of this and accommodate it in your data security policies.

We are assuming that the readers of this document will know that they are (or are soon to be) registered with both the DVLA and ourselves.

The data security policy for the KADOE service is available from us.

KADOE Service API Basics

The KAODE service API is an XML based message interchange system. The schemas for the service are included in the connection pack with this document. We do not publish a WSDL to describe the messages.

XML messages are sent to the API using a HTTP POST, the response contains the return message. The connection MUST be over HTTPS. This is not a SOAP based API.

Terminology

This is a list of the terms we use in this document.

Term	What it is
Vehicle keeper enquiry	An enquiry for vehicle keeper details on a specified day. In a message to the service, the message contains at least a vehicle registration number and a date of event.
VQ3	An abbreviated name for vehicle enquiry
Vehicle keeper response	Details of the vehicle's keeper on the date specified in the enquiry. The response may not contain keeper details if for whatever reason, they cannot be provided. The vehicle keeper response will contain an error code if this is the case.
VQ7	An abbreviated name for the vehicle keeper response
Batch number	The KADOE service is optimised for batch processing so the vehicle keeper enquiry and vehicle keeper response messages refer to batch numbers.
Control Reference	The name of the XML element that contains the batch number
Enquirer	Is a company, registered with the DVLA to use the vehicle keeper lookup service
EnquirerId	The code given to an Enquirer by the DVLA
Reason for Enquiry Code	A code giving the reason for the vehicle enquiry. The DVLA provides one or more reason codes based on the Enquirer's type of business. The DVLA audit this so you must use the appropriate reason for every vehicle enquiry you make.
Intermediary	An agency that can send vehicle enquiries to the DVLA.
IntermediaryId	The code given to an Intermediary by the DVLA

Connection using HTTPS

Connections to the API use the encrypted HTTPS method which generally means company firewalls will let the connections pass without any special configuration.

Connecting to our service API

The URL of the live service is
https://kadoe.co.uk/MessagingServer/message.htm

The URL of the test service is
https://kadoe.co.uk/MessagingServer/test/test-message.htm

If you point a browser at either of these addresses, you will get

2014-01-27T22:17:10.338Z ERR KS002 Invalid XML Premature end of file.

This is because the service is expecting a request message to be posted. This is a handy diagnostic aid for connection problems. If you cannot get this response, you are not getting to our service.

Authentication with our service

Every message sent to the service has a user name and password in the message. The message authenticates with the service before it can be processed. The user name and password are in plain text as the connection is encrypted. The username is provided when you sign up to the service and cannot not be changed. An initial password is also provided but this can be changed using the API.

Authentication with our test service

When you use the test service, the credentials are the same as the production service except that the password is appended with .test. For example: production password: mypassword, test password: mypassword.test

Message structure

The XML messages for the API adhere to our message schemas. The schemas included in the connection pack.

There are a set of outbound (from your software) messages that have the KSRequest root element, and a set of inbound (to your software) messages that have the KSResponse root element.

Request messages sent by your software

The root element for requests is KSRequest. This element contains a RequestHeader element and any message specific elements. The illustrations below are a simple request message without specific elements, and a request with specific elements.

```
1  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2  <vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
3      <RequestHeader>
4          <MessageTimeStamp>2014-04-25T08:27:53Z</MessageTimeStamp>
5          <MessageType>CommsTest</MessageType>
6          <MessageVersion>1.0</MessageVersion>
7          <UserName>My.Testing</UserName>
8          <Password>Mytesting20</Password>
9          <SoftwareClient>POSTMAN</SoftwareClient>
10     </RequestHeader>
11 </vki:KSRequest>
12
```

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2015-02-16T15:31:48Z</MessageTimeStamp>
        <MessageType>VQ3Enquiry</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
        <ControlReference>719</ControlReference>
    </RequestHeader>
    <VQ3>
        <DateOfEvent>2015-06-01</DateOfEvent>
        <DateOfEnquiry>2015-06-02</DateOfEnquiry>
        <VRM>AA05PXY</VRM>
        <EnquiryReference>CNSW130001128257</EnquiryReference>
    </VQ3>
</vki:KSRequest>
```

Response messages sent by the interface

The service returns a response message on the same connection as the request message.

The root element of response messages is the KSResponse which contains a ResponseHeader, any message specific elements, and any errors or warnings that the request processing generated.

The illustration below is a simple response message without errors, warnings or message specific elements.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T07:11:39.852+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>CommsTest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
</ns2:KSResponse>
```

A response that contains message specific elements is shown below. The message specific element (Enquirer) is immediately after the ResponseHeader.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T07:12:34.758+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>EnquirerRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <Enquirer>
        <EnquirerId>AA000</EnquirerId>
        <EnquirerName>My.Testing</EnquirerName>
        <IntermediaryId>A11</IntermediaryId>
        <EnquiryReason>
            <EnquiryCode>00CD</EnquiryCode>
            <Description>Hit and Run</Description>
            <DateOfEventCutOff>180</DateOfEventCutOff>
        </EnquiryReason>
        <EnquiryReason>
            <EnquiryCode>00CF</EnquiryCode>
            <Description>Suspected Fraud</Description>
            <DateOfEventCutOff>180</DateOfEventCutOff>
        </EnquiryReason>
        <EnquiryReason>
            <EnquiryCode>00CE</EnquiryCode>
            <Description>Accident with other vehicle</Description>
            <DateOfEventCutOff>180</DateOfEventCutOff>
        </EnquiryReason>
    </Enquirer>
</ns2:KSResponse>
```

If an application error such as a validation error, is raised while the service is processing a request, the service responds with an error in the response.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T07:13:54.836+01:00</MessageTimeStamp>
        <ResponseType>ERR</ResponseType>
        <MessageType>CommsTest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <ErrorMessage>
        <ErrorCode>KS050</ErrorCode>
        <ErrorDescription>Authentication failed.</ErrorDescription>
    </ErrorMessage>
</ns2:KSResponse>
```

The ErrorMessage element shown in the example is a system message because it is at the same level as the ResponseHeader. The ErrorMessage can also appear inside an element specific to the response. If this happens, the error message applies that element. The illustration below is a response message with the ErrorMessage element inside the VQ7Response element. This ErrorMessage is part of the VQ7Response (the request has an invalid VRM).

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T07:15:58.977+01:00</MessageTimeStamp>
        <ResponseType>WARN</ResponseType>
        <MessageType>VQ3Enquiry</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <VQ7Response>
        <ControlReference>719</ControlReference>
        <VQ3>
            <DateOfEvent>2015-06-01</DateOfEvent>
            <DateOfEnquiry>2015-06-02</DateOfEnquiry>
            <VRM>AA75PXY</VRM>
            <EnquiryReference>CNSW130001128257</EnquiryReference>
        </VQ3>
        <ErrorMessage>
            <ErrorCode>KS500</ErrorCode>
            <ErrorDescription>Invalid VRM Age identifier is invalid</ErrorDescription>
        </ErrorMessage>
    </VQ7Response>
</ns2:KSResponse>
```

Batch Numbers

The ControlReference element in vehicle keeper enquiry and vehicle keeper response related messages is a batch number.

You must provide a batch number in the vehicle keeper enquiry messages you send, but the service does NOT check to see if the value has been sent before.

Batch Processing of Vehicle Keeper Enquiries

The service uses batch numbers to help manage the sending and receiving of data. We advise you to batch up the vehicle keeper enquiries you send us, but it is not mandatory. You can put as many vehicle keeper enquiries into a batch as you need; the minimum is 1, the maximum can be hundreds.

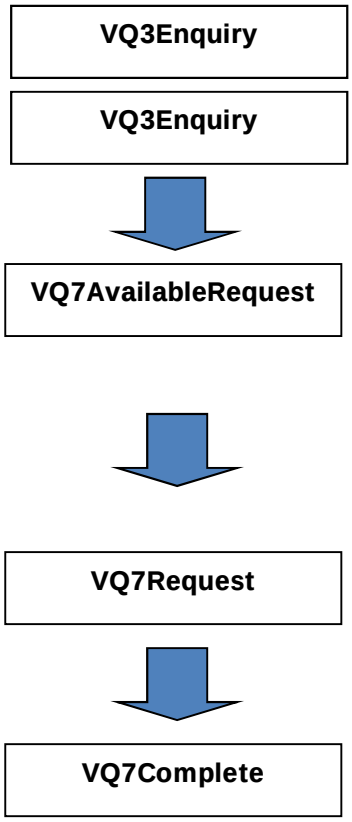
We would advise you not to exceed 500 vehicle keeper enquiries in a batch because of some sever performance problems can result.

To help you get an idea how we use the batch number, consider this example:

A company has 200 vehicle keeper enquiries which it sends in 2 batches of 100.

The following day, because the DVLA processes overnight, the company checks which of the two batches has vehicle keeper responses.

The message sequence for this is:



2 batches of 100 vehicle keeper enquiries are sent to the service. The batch numbers (control reference) are 303 and 304.

The following day, a VQ7AvailableRequest message is sent to the service.

The response is a list of vehicle keeper enquiry batch numbers that have a vehicle keeper response.

If any vehicle keeper enquiries sent have vehicle keeper response, their batch number (303 and/or 304) will be in the list.

A VQ7Request for each batch number is sent. The response to the VQ7Request contains the vehicle keeper responses for vehicle keeper enquiries in the batch.

A VQ7Complete message for the VQ7Request is sent. The service does not mark off vehicle keeper responses as downloaded until it gets this message. Once a set of vehicle keeper responses have been downloaded they will not be downloaded again.

You do not have to follow this sequence. If you send a VQ7Request message without a batch number (ControlReference), the service will return all the vehicle keeper responses that have never been downloaded. If you send a VQ7Request message with an EnquirierId, the service will return all the vehicle keeper responses that have never been downloaded for that EnquirerId.

If you do not send a VQ7Complete for VQ7Request, the service will send them again the next time you ask.

Response Types

All the request messages have a response message. The message will have a response header (ResponseHeader) and may have message specific elements or error messages. The response header's ResponseType element specifies the type of response.

Response type value	Description
ACK	The request message was valid and successfully processed.
ERR	The whole request message was not valid. One or more ErrorMessage elements will give the reason for the failure. The reason may be invalid data, it could be system problems or authentication problems. Appendix A lists the error messages that fail whole messages.
WARN	The request message was valid but some of the data sent in the request message failed the validation. When this happens, the message content that failed the validation is returned with an error message. This happens when vehicle keeper enquiries are sent. For example, 100 vehicle

	keeper enquiries are sent, 3 of which have vehicle registrations that are not in the right format. 97 enquiries will be processed by the service and the 3 invalid ones will be returned in the response. The response will have a ResponseType of WARN.

Validation by the KADOE Service

Schema validation

The KADOE service validates all the messages sent to it using the schemas that we publish. If you send an invalid message, you will receive an ERR response (normally with codes KS001 or KS002). No data is processed if the schema is invalid.

Vehicle registration

We have an extensive set of rules for vehicle registration validation which are based on the rules used by the insurance industry. Invalid vehicle registrations are returned in the response to the VQ3Enquiry message so that they are not sent to the DVLA lookup service. You can specify to skip the KADOE service vehicle registration validation by setting the SkipVRMValidation element on the VQ3Enquiry message to true. The DVLA charges for vehicle keeper enquiries with invalid vehicle registration numbers.

Date of Event

Vehicle keeper enquiries that have a date of event earlier than 180 days from the date the service receives the enquiry, are normally rejected. The KADOE service validates the date of event and returns any enquiries that are out of range. Some companies are not restricted to 180 days. If you are one of them, we can change the service's validation if the DVLA confirms what rule you should use.

Future dates

The service rejects vehicle keeper enquiries that have any dates later than today.

User name and Passwords

User names are 20 characters and passwords are 20 characters which must include one uppercase letter, one lowercase letter and one digit. User names and passwords are case sensitive.

Test Environment

The URL of the test environment is:

https://kadoe.co.uk/MessagingServer/test/test-message.htm

The test environment behaves like the live environment except that vehicle enquiries are not sent to the DVLA lookup service.

Message	What happens in the test environment
VQ3Enquiry	If the vehicle keeper enquiries pass the validation (described in the previous section) the service will generate predictable vehicle keeper responses for each.
VQ7Request	The vehicle keeper responses that are returned in the message are representative of the responses you will receive from the service. One vehicle keeper response is sent for each vehicle keeper enquiry, so by sending 10 or more, all the vehicle keeper responses (normal ones, ones with errors) can be got.

Message	What happens in the test environment
	The service does not process vehicle keeper enquiries immediately. Use the VQ7AvailableRequest message to discover when the responses are available. This is normally about 5 minutes after the VQ3Enquiry message has been sent, but it may be longer.

Some messages sent to the test environment share data with the live environment. These messages are:

Message	Purpose
ChangePassword	Change the password on KADOE service to the password in the message
CommsTest	Communication test with the KADOE service
EnquirerRequest	Obtain the Enquirer and Reason for Enquiry codes that that can be used with the KADOE service

The password to the test environment is the same as that for the production environment but with .test appended. For example production: mypassword, test: mypassword.test.

The Test Flag on the message

If you examine the message schemas you will notice that there is a TestFlag element on the RequestHeader. You do not need to set this flag if you use the /test/ url to connect to the service.

KADOE Service API Messages

The KADOE service expects request messages from clients of the service. The HTTP response to the request message contains the data from the service.

KADOE service request messages.

Message Type	Purpose
ChangePassword	Change KADOE service password for the user.
CommsTest	Communication test with KADOE service (also validates that the credentials in the message header are correct).
DEBRequest	Get any Debit Statements. The response will contain debit statements if some are available.
DEBComplete	Tells the KADOE service that statements download by the DEBRequest message, have been accepted and can be marked as downloaded.
EnquirerRequest	Requests Enquirer and Reason for Enquiry Codes.
SeedDebCtrlRef	Set the initial value of the control reference used by debit statements.
SeedVQ7CtrlRef	Set the initial value of the control reference used by vehicle enquiry responses.
VQ3Enquiry	Send vehicle keeper enquiries to the KADOE service.
VQ7AvailableRequest	Get a list of vehicle keeper enquiry batch numbers that have vehicle keeper responses and which have not been downloaded.
VQ7Request	Get any vehicle keeper responses that have not been downloaded.
VQ7Complete	Tell the KADOE service that vehicle keeper responses downloaded by the VQ7Request have been accepted and can be marked as downloaded.

Each message is sent with a message request header and possibly some message specific content.

Message Control

All request messages have this structure:

```
<KSRequest>
        <RequestHeader>…</RequestHeader>
        message specific elements
</KSRequest>
```

All response messages have this structure:

```
<KSResponse>
        <ResponseHeader>…</ResponseHeader>
        message specific elements
        error message elements
</KSResponse>
```

Request Header

The request header is required on all request messages.

Element	Purpose
MessageTimeStamp	The time the message was constructed.
MessageType	The type of message (see the table above).
MessageVersion	Version of the message being used. This is currently 1.0

Element	Purpose
UserName	The user name on the KADOE service. This is case sensitive. This is the username we give you when you register with the service.
Password	The password to the KADOE service for the UserName. This is case sensitive. We issue an initial password when you register with the service, but it can be changed using the ChangePassword message.
SoftwareClient	Identifies the software sending the message to the service. This is an optional element. This information is kept in the audit records on the KADOE service and may prove useful to us and yourselves if we are diagnosing problems with your data. You can add as much information as you think is necessary within the bounds of the data length.
ControlReference	Applicable to VQ3, VQ7 and DEB related messages. This is the batch number.

```
<RequestHeader>
    <MessageTimeStamp>2015-02-16T15:31:48Z</MessageTimeStamp>
    <MessageType>VQ3Enquiry</MessageType>
    <MessageVersion>1.0</MessageVersion>
    <UserName>My.Testing</UserName>
    <Password>Mytesting20</Password>
    <SoftwareClient>POSTMAN</SoftwareClient>
    <ControlReference>719</ControlReference>
</RequestHeader>
```

Response Header

The KADOE service responds to a request message with a response message. The response message will have a response header and any specific elements or Error messages. The response header contains the following fields.

Element	Purpose
MessageTimeStamp	The time the message was constructed
ResponseType	ACK, WARN or ERR. See the following table
MessageType	The message being responded to (from the request header message type)
MessageVersion	The version of the response. This is currently 1.0
ControlReference	Applicable to the VQ3, VQ7 and DEB related messages. This is a batch number. This is NOT the same value as ControlReference element in the request header. It is the batch number for the batch of data being downloaded.

```
<ResponseHeader>
    <MessageTimeStamp>2015-06-03T07:31:38.836+01:00</MessageTimeStamp>
    <ResponseType>ACK</ResponseType>
    <MessageType>DEBRequest</MessageType>
    <MessageVersion>1.0</MessageVersion>
    <ControlReference>1</ControlReference>
</ResponseHeader>
```

Types of response from the KADOE service

The ResponseType indicates what type of response you are getting from the KADOE service.

Response type	Description
ACK	The request message was valid and successfully processed.
ERR	The whole request message was not valid. One or more ErrorMessage

Response type	Description
	elements will give the reason for the failure. The reason may be invalid data, it could be system problems or authentication problems. Appendix A lists the error messages that fail whole messages.
WARN	The request message was valid but some of the data sent in the request failed the validation. When this happens, the data that failed the validation is returned along with an error message. This normally happens when vehicle keeper enquiries are sent. For example, 100 vehicle keeper enquiries are sent, but 3 have vehicle registrations that are not in the right format. 97 vehicle keeper enquiries will be processed by the service and the 3 invalid ones will be returned in the response. The response will have a ResponseType of WARN.

Error messages

When an ERR ResponseType type is sent, it will contain one or more ErrorMessage elements to provide the error codes and descriptions which have been raised.

Element	Purpose
ErrorMessage	Root element for this group of elements
ErrorCode	The code for the error
ErrorDescription	The description

A list of the error codes and descriptions that the KADOE service reports is given in Appendix 1.

Message specific elements that is sent as part of the response messages

Some responses have elements specific to the request being made.

Response content	Sent in the response to	Description
ControlReference	VQ7AvaliableRequest	Contain the batch numbers of vehicle keeper enquiry batches that have vehicle keeper responses that can be downloaded.
VQ7Response	VQ7Request	The vehicle keeper response data for a vehicle keeper enquiry.
Deb	DEBRequest	The debit statement data for a debit statement request.
Enquirier	EnquirerRequest	Enquirer and Enquiry Code data that have been registered on the KADOE service for you as part of the registration process.
ErrorMessage	Any message if an error is to be reported	Any errors that need to be reported to you. ErrorMessage elements are also used to convey warnings.

Change Password (ChangePassword)

Change the user's password on KADOE service to the password passed in the message.

Element	Purpose
ChangePassword	Root element for this group of elements
NewPassword	The password that you would like to change to. Your existing password is put into the request header element. The change is immediate if you receive an ACK response from the KADOE service and subsequent message request headers should contain the new password. Passwords must be 8 to 15 characters. They must have 1 upper case, 1 lower case letter and one digit.
ConfirmedPassword	A repeat of the value in the NewPassword element.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2014-04-25T08:27:53Z</MessageTimeStamp>
        <MessageType>ChangePassword</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
    <ChangePassword>
        <NewPassword>My33testing</NewPassword>
        <ConfirmedPassword>My33testing</ConfirmedPassword>
    </ChangePassword>
</vki:KSRequest>
```

User names are 20 characters, passwords are 20 characters and must include one uppercase letter, one lowercase letter and one digit. User names and passwords are case sensitive.

Response type	
ACK	The request message was handled without error
ERR	Error messages (see appendix A)

Communication Test (CommsTest)

Test the communications with the KADOE service and the credentials used to connect to the service. The message can fail with an ERR response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2014-04-25T08:27:53Z</MessageTimeStamp>
        <MessageType>CommsTest</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
</vki:KSRequest>
```

Response type	
ACK	The request message was handled without error
ERR	Error message (see appendix A)

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-02T17:58:22.826+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>CommsTest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
</ns2:KSResponse>
```

Normal response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-02T18:00:28.868+01:00</MessageTimeStamp>
        <ResponseType>ERR</ResponseType>
        <MessageType>CommsTest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <ErrorMessage>
        <ErrorCode>KS050</ErrorCode>
        <ErrorDescription>Authentication failed.</ErrorDescription>
    </ErrorMessage>
</ns2:KSResponse>
```

Error response

Debit Statement Request (DEBRequest)

Request debit statements from the KADOE service. Debit statements are statements of usage. They are issued every Saturday morning and contain a summary for the transactions for the preceding 7 days (Saturday to Friday). The KADOE service records the periods that have been successfully downloaded and will not offer those periods to again. Clients do not have to wait until Friday morning to send message; it can be sent at the same time as the Vehicle Keeper Enquiries and the KADOE service will send a statement (or statements) if they are available.

Response type	
ACK	The request message was handled without error. Debit statements (Deb) elements (0 to many)
ERR	Applicable error messages (see appendix A)
WARN	This response type will never be sent

Response content

Element	Purpose
Deb	The root element of the debit statement response
StatementReference	Statement Reference The EnquirerId to which the statement relates and, if applicable, the Intermediary Id. For example, a statement for EnquirerId NG001 with no IntermediaryId will have a Statement Reference of NG001. An EnquirerId of LG001 with an IntermediaryId of S99, will have a StatementReference of LG001S99.
ChargePeriodStart	The start of the period the statement is for
ChargePeriodEnd	The end of the period the statement is for
IssueDate	The date the statement was issued
TransactionDate	The date of the transaction between debit account and credit account
TotalAmountOfDebit	The amount being debited
DebitBankAccountName	The name of the account being debited
DebitBankAccountNumber	The number of the account being debited
DebitBankSortCode	The sore code of the account being debited
CreditBankAccountName	The name of the account being paid into
CreditBankAccountNumber	The number of the account being paid into
CreditBankSortCode	The sort code of the account being paid into
NumberOfCharges	The number of charges on the statement (the number of enquiries being charged for)
RateOfCharge	The unit price of the charge
TotalAmountOfCharge	The total amount (NumberOfCharges * RateOfCharge)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T07:59:52.773+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>DEBRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <ControlReference>1168</ControlReference>
    </ResponseHeader>
    <Deb>
        <StatementReference>AA388</StatementReference>
        <ChargePeriodStart>2014-09-26+01:00</ChargePeriodStart>
        <ChargePeriodEnd>2014-10-02+01:00</ChargePeriodEnd>
        <IssueDate>2015-06-03+01:00</IssueDate>
        <TransactionDate>2014-10-06+01:00</TransactionDate>
        <TotalAmountOfDebit>145.00</TotalAmountOfDebit>
        <DebitBankAccountName>DVLA ENQUIRY FUND</DebitBankAccountName>
        <DebitBankAccountNumber>12345678</DebitBankAccountNumber>
        <DebitBankSortCode>11-22-33</DebitBankSortCode>
        <CreditBankAccountName>DVLA ENQUIRY FUND</CreditBankAccountName>
        <CreditBankAccountNumber>12345678</CreditBankAccountNumber>
        <CreditBankSortCode>11-22-33</CreditBankSortCode>
        <NumberOfCharges>58</NumberOfCharges>
        <RateOfCharge>2.50</RateOfCharge>
        <TotalAmountOfCharge>145.00</TotalAmountOfCharge>
    </Deb>
</ns2:KSResponse>
```

The KADOE service provides this information to maintain the business continuity for customers who use the Debit Statement information that the legacy system provided. The KADOE service has no knowledge of your company's financial transactions with the DVLA.

Debit Statement Complete (DEBComplete)

Tell the KADOE service that debit statement information sent in the response of the DEBRequest has been accepted and can be marked as downloaded on the KADOE service.

Message content

The message content is a ControlReference element containing the ControlReference value from the ResponseHeader of the DEBRequest response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2014-04-25T08:27:53Z</MessageTimeStamp>
        <MessageType>DEBComplete</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>AA004.KTC04</UserName>
        <Password>May20140506</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
    <ControlReference>1</ControlReference>
</vki:KSRequest>
```

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).

Enquirer Request (EnquirerRequest)

Request the Enquirer and the Reason for Enquiry Codes from the KADOE service. The response lists all the Enquirers that are registered with the KADOE service for your company. With each Enquirer, the message lists all the Enquiry Reason Codes that the DVLA will accept as reasons for enquiries being made.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2014-04-25T08:27:53Z</MessageTimeStamp>
        <MessageType>EnquirerRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
</vki:KSRequest>
```

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).

Response content

The response will contain none, one, or more than one enquirer elements.

Element	Purpose
Enquirer	Root element to group these elements
EnquirerId	EnquirerId issued by the DVLA.
EnquirerName	The name of the enquirer
IntermediaryId	Intermediary Id issued by the DVLA
EnquiryReason	Root element to hold enquiry reasons and their codes. There can be 1 to many of these elements within an Enquirier group. See below.

Element	Purpose
EnquiryReason	Root element to hold these elements
EnquiryCode	The enquiry code
Description	Description of the Enquiry Code

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T08:17:08.977+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>EnquirerRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <Enquirer>
        <EnquirerId>AA000</EnquirerId>
        <EnquirerName>My.Testing</EnquirerName>
        <IntermediaryId>A11</IntermediaryId>
        <EnquiryReason>
            <EnquiryCode>00CE</EnquiryCode>
            <Description>Accident with other vehicle</Description>
            <DateOfEventCutOff>180</DateOfEventCutOff>
        </EnquiryReason>
        <EnquiryReason>
            <EnquiryCode>00CF</EnquiryCode>
            <Description>Suspected Fraud</Description>
            <DateOfEventCutOff>180</DateOfEventCutOff>
        </EnquiryReason>
        <EnquiryReason>
            <EnquiryCode>00CD</EnquiryCode>
            <Description>Hit and Run</Description>
            <DateOfEventCutOff>180</DateOfEventCutOff>
        </EnquiryReason>
    </Enquirer>
</ns2:KSResponse>
```

Seed KADOE Service Debit Statement Control Reference (SeedDebCtrlRef)

This message is used to seed the control reference value that the KADOE service will use when it sends debit statements.

This message is for clients upgrading to KADOE communications and who have monitored the control reference values that were sent on the DEBS EDI message.

Using this message prior to receiving any Debit Statements from the KADOE service ensures that values for the ControlReference on the debit statements is continuous.

The message content is a ControlReference element that contains the control references value to be used to seed the debit statement control references. The next control reference used by the KADOE service to send debit statement responses will be this value plus 1.

The value sent by this message will always over write the value on the KADOE service.

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).

Seed KADOE Service Response Control Reference (SeedVQ7CtrlRef)

This message is used to seed the control reference value that the KADOE service will use when it sends vehicle enquiry responses.

This message is for the use of clients that are upgrading to KADOE communications and who have monitored the control reference values that were sent on the VEHRES EDI message.

Using this message prior to receiving any vehicle responses from the KADOE service ensures that values for the control reference on the vehicle responses is continuous.

The message content is a ControlReference element that contains the control references value to be used to seed the vehicle responses control references. The next control reference used by the KADOE service to send vehicle responses will be this value plus 1.

The value sent by this message will always over write the value on the KADOE service.

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).

Vehicle Keeper Enquiry (VQ3Enquiry)

Send vehicle keeper enquiries to the KADOE service.

The message content is a VQ3 element for every vehicle keeper enquiry being sent.

Element		Format	Purpose
VQ3	M		The root element to contain the elements of this group
DateOfOfEvent	M	YYYY-MM-DD	Date of the event. Who owned the vehicle on this date.
DateOfEnquiry	M	YYYY-MM-DD	When the data was entered into your system
VRM	M	1 to 7 alph-numeric characters No spaces	Vehicle Registration Mark
EnquirerId	M	AANNN	The DVLA issued EnquiryId of the enquirer making this enquiry.
EnquiryCode	M	NNAA	Reason for this enquiry.
EnquiryReference	M	1 to 20 characters 0-9, A-Z, /, * and ;	Your reference to this vehicle keeper enquiry.
IntermediaryId	O	ANN	The DVLA issued IntermediaryId of the intermediary that is making the enquiry. If this is not on the message, the service will use the value it has in its configuration.
SkipVRMValidation	O		If true, the KADOE Service will not validate the VRM and pass it directly to the DVLA lookup service. The DVLA may reject the VRM as invalid. Setting to true does not affect any other KADOE service validation of the enquiry. The default is false.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2018-07-17T12:00:52Z</MessageTimeStamp>
        <MessageType>VQ3Enquiry</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>my-user</UserName>
        <Password>my-password</Password>
        <SoftwareClient>my-back-office-v10</SoftwareClient>
        <ControlReference>1116</ControlReference>
    </RequestHeader>
    <VQ3>
        <DateOfEvent>2018-07-09</DateOfEvent>
        <DateOfEnquiry>2018-07-17</DateOfEnquiry>
        <VRM>AB12ABC</VRM>
        <EnquirerId>AA001</EnquirerId>
        <EnquiryCode>00CH</EnquiryCode>
        <EnquiryReference>VRM-1</EnquiryReference>
    </VQ3>
</vki:KSRequest>
```

Response type	

ACK	**The request message was handled without error.**
ERR	**Error messages (see appendix A). None of the vehicle keeper enquiries in the request have been accepted by KADOE service.**
WARN	**Some of the vehicle keeper enquiries in the message have been rejected. Rejected enquiries are returned inside a VQ7Response along with ErrorMessage elements giving the code and reason for the failure.**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T08:26:59.133+01:00</MessageTimeStamp>
        <ResponseType>WARN</ResponseType>
        <MessageType>VQ3Enquiry</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <VQ7Response>
        <ControlReference>1</ControlReference>
        <VQ3>
            <DateOfEvent>2015-06-01</DateOfEvent>
            <DateOfEnquiry>2015-06-02</DateOfEnquiry>
            <VRM>NN75PXY</VRM>
            <EnquiryReference>VRM-2</EnquiryReference>
        </VQ3>
        <ErrorMessage>
            <ErrorCode>KS500</ErrorCode>
            <ErrorDescription>Invalid VRM Age identifier is invalid</ErrorDescription>
        </ErrorMessage>
    </VQ7Response>
</ns2:KSResponse>
```

This response message contains a VQ3 that failed validation, the error code and description. The ResponseType is WARN because the request message was processed but the response contains some error notifications.

Vehicle Keeper Response Available Request (VQ7AvailableRequest)

Return a list of vehicle keeper enquiry batch numbers that have not had vehicle keeper responses downloaded.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2015-02-16T15:31:48Z</MessageTimeStamp>
        <MessageType>VQ7AvailableRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
</vki:KSRequest>
```

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).

This response message has no vehicle keeper batches that have not been downloaded.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T08:31:30.430+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>VQ7AvailableRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
</ns2:KSResponse>
```

This response message has one vehicle keeper enquiry batch (batch number 2) that has some vehicle keeper responses ready to be downloaded. The batch number is in the ControlReference element.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T08:52:18.423+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>VQ7AvailableRequest</MessageType>
        <MessageVersion>1.0</MessageVersion>
    </ResponseHeader>
    <ControlReference>2</ControlReference>
</ns2:KSResponse>
```

Using the VQ7AvailableRequest message

The VQ3Enquiry message request header must contain a value in the ControlReference element. This is the batch number. The batch number should to be unique, but the KADOE service does not check.

The response to the VQ7AvailableRequest message contains a list of the vehicle keeper enquiry batch numbers (if there are any) that have vehicle keeper responses waiting to be downloaded.

The KAODE service includes the batch number if at least one vehicle keeper enquiry in the batch has a vehicle keeper response to be downloaded. If batch 312, contained 100 vehicle keeper enquiries and all but three of them has vehicle keeper responses to be downloaded, 312 will be in the list returned by this message. If on the following day, the remaining 3 vehicle keeper responses are ready to be downloaded, 312 will again be in the list returned by this message.

Your system tells the KADOE service that the vehicle keeper responses have been successfully download by sending the VQ7Complete message. This ensures that the vehicle keeper responses are not downloaded more than once.

Vehicle Keeper Response Request (VQ7Request)

This message is used to get vehicle keeper responses to vehicle keeper enquires.

The message can contain one or more ControlReference elements copied from the response to the VQ7AvailableRequest message.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2015-02-16T15:31:48Z</MessageTimeStamp>
        <MessageType>VQ7Request</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20.test</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
    <ControlReference>2</ControlReference>
</vki:KSRequest>
```

This message has ControlReference 2 in it. Only vehicle keeper enquiries that were sent using this ControlReference value will be returned in the response to this message. If no ControlReference is specified, all the vehicle keeper enquiries that have vehicle keeper responses waiting to downloaded will be in the response. There can be more than one control reference element in the message.

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).
WARN	Some or all of the response contain error messages sent by the DVLA.

The response will contain none, one or many VQ7Response elements. A VQ7Response element is used to group the data in a response to a vehicle keeper enquiry.

Element	Purpose

VQ7Response	The root element that groups these elements together
ControlReference	The batch number that the original vehicle enquiry was made with
VQ3	The vehicle keeper enquiry for the response. This element was described earlier (see Vehicle Keeper Enquiry message)
VQ7	The response element containing vehicle keeper information (see below)
ErrorMessage	Any errors associated with the enquiry or response

Vehicle Keeper Response (VQ7)

Element		Purpose
DateOfResponse	M	The date of the response
KeeperName	O	Vehicle Keeper's name (see below)
KeeperAddress	O	Vehicle Keeper's Address (see below)
VehicleDetails	O	The Vehicle (see below)
HardCopyIndicator	O	Indicates that the DVLA cannot provide keeper details electronically and will provide them on paper instead.

Vehicle Keeper Name (KeeperName)

Element		Purpose
Title	O	Keeper's title
Forename	O	Keeper's forename
Surname	O	Keeper's surname
CompanyName	O	Company name if the keeper is a company
Other	O	Name of the keeper if it cannot be a person or a company

The KeeperName, if it is present, will contain a Title, Forename and a Surname element or a CompanyName element or an Other element.

Vehicle Keeper Address (KeeperAdress)

Element		Purpose
AddressLine1	O	First line of the address of the keeper
AddressLine2	O	Second line of the address of the keeper
AddressLine3	O	Third line of the address of the keeper
AddressLine4	O	Fourth line of the address of the keeper
City	O	City of the keeper
PostCode	O	Post code of the keeper

Vehicle Details (VehicleDetails)

Optional elements are not present if they do not have a value. If the elements have a value they will be present

Element	
Make	O
Model	O
Engine	O
VIN	O
Colour	O
TaxClass	O
SeatingCapacity	O
DateOfLicenceExpiry	O
DateOfFirstRegistration	O

DateOfRecovery	**O**
DateOfTheft	**O**
DateOfExport	**O**
DateOfScrapping	**O**
DateOfChangeOfKeeper	**O**
NumberOfPreviousKeepers	**O**

The ResponseHeader element contains a ControlRreference. This is NOT the same as the batch the vehicle keeper enquiry is in. The ResponseHeader ControlReference is the batch number of download; it is used to tell the service that the batch has been successfully downloaded.

In this example, the VQ3 element has been collapsed so that we could screen-shot the message. The VQ3 element is shown second.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:KSResponse
    xmlns:ns2="http://www.entity.co.uk/schema/vki">
    <ResponseHeader>
        <MessageTimeStamp>2015-06-03T09:18:55.454+01:00</MessageTimeStamp>
        <ResponseType>ACK</ResponseType>
        <MessageType>VQ7Request</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <ControlReference>5</ControlReference>
    </ResponseHeader>
    <VQ7Response>
        <ControlReference>2</ControlReference>
        <VQ3>...</VQ3>
        <VQ7>
            <DateOfResponse>2015-06-03+01:00</DateOfResponse>
            <KeeperName>
                <Title>Other</Title>
                <Forename>FORENAME</Forename>
                <Surname>O'FULL-DATA</Surname>
            </KeeperName>
            <KeeperAddress>
                <AddressLine1>Address Line 1</AddressLine1>
                <AddressLine2>Address Line 2</AddressLine2>
                <AddressLine3>Address Line 3</AddressLine3>
                <AddressLine4>Address Line 4</AddressLine4>
                <City>London</City>
                <PostCode>N15 4BB</PostCode>
            </KeeperAddress>
            <VehicleDetails>
                <Make>PEUGEOT</Make>
                <Model>307 CC</Model>
                <Engine>1997</Engine>
                <VIN>AB11CDEFG12345678</VIN>
                <Colour>BLUE</Colour>
                <TaxClass>AA</TaxClass>
                <SeatingCapacity>4</SeatingCapacity>
                <DateOfLicenceExpiry>2012-10-01+01:00</DateOfLicenceExpiry>
                <DateOfFirstRegistration>2009-05-01+01:00</DateOfFirstRegistration>
                <DateOfRecovery>2012-10-01+01:00</DateOfRecovery>
                <DateOfTheft>2012-10-01+01:00</DateOfTheft>
                <DateOfExport>2012-10-01+01:00</DateOfExport>
                <DateOfScrapping>2012-10-01+01:00</DateOfScrapping>
                <DateOfChangeOfKeeper>2010-04-01+01:00</DateOfChangeOfKeeper>
                <NumberOfPreviousKeepers>1</NumberOfPreviousKeepers>
            </VehicleDetails>
        </VQ7>
    </VQ7Response>
</ns2:KSResponse>
```

```
<VQ3>
    <DateOfEvent>2015-06-01+01:00</DateOfEvent>
    <DateOfEnquiry>2015-06-02+01:00</DateOfEnquiry>
    <VRM>BB05PXY</VRM>
    <EnquirerId>AA000</EnquirerId>
    <EnquiryCode>00CD</EnquiryCode>
    <EnquiryReference>VRM-3</EnquiryReference>
    <IntermediaryId>A11</IntermediaryId>
    <SkipVRMValidation>false</SkipVRMValidation>
</VQ3>
```

Vehicle Responses Complete (VQ7Complete)

Tell the KADOE service that the vehicle keeper responses in the VQ7Request message response have been successfully downloaded. The service marks the vehicle keeper enquiries as downloaded so that they won't be downloaded again

The content is a ControlReference element that contains the ControlReference value taken from the ResponseHeader of the VQ7Request response.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<vki:KSRequest xmlns:vki="http://www.entity.co.uk/schema/vki">
    <RequestHeader>
        <MessageTimeStamp>2014-04-25T08:27:53Z</MessageTimeStamp>
        <MessageType>VQ7Complete</MessageType>
        <MessageVersion>1.0</MessageVersion>
        <UserName>My.Testing</UserName>
        <Password>Mytesting20</Password>
        <SoftwareClient>POSTMAN</SoftwareClient>
    </RequestHeader>
    <ControlReference>5</ControlReference>
</vki:KSRequest>
```

Response type	
ACK	The request message was handled without error.
ERR	Error messages (see appendix A).

Appendix

Errors sent in response messages that are ERR response types

Code	Description
KS001	Unable to parse request
KS002	Failed schema validation
KS010	Expected element not found
KS011	Expected value not found
KS012	Invalid value
KS013	Unsupported message type
KS014	Message version is not supported
KS015	Test flag is not allowed on this message
KS016	Only one instance of the element expected
KS050	Authorisation failed
KS052	Control Reference has been acknowledged
KS054	Party account is disabled
KS055	Invalid Password

Vehicle keeper enquiry response errors (WARN response type).

Code	Description
KS010	Expected element not found
KS011	Expected value not found
KS012	Invalid value
KS500	Invalid VRM (from KADOE service validation)
KS501	Invalid EnquirerId
KS502	Invalid EnquiryCode
KS503	Invalid IntermediaryId
KS504	Invalid date of event (from KADOE service validation)
KS505	Invalid date of enquiry (from KADOE service validation)
KS506	Invalid Enquiry Reference
E2209	Enquiry is outside of permitted validity period (from DVLA validation)
E2200	No trace of the vehicle
E2201	Scrapped marker set – vehicle details provided
E2202	Exported marker set – vehicle details provided
E2203	Void main file record
E2204	MOD Record
E2205	BFG Record
E2206	Invalid VRM (from DVLA validation)
E2207	Invalid date of event (from DVLA validation)
E2208	Invalid date of enquiry (from DVLA validation)
E2209	Enquiry is outside of permitted validity period (from DVLA validation)