



Guide to EMCS Web Services

1. Introduction

This document serves as a guide to the web services available for EMCS (Excise Movement and Control System).

2. Service URLs

The following URLs are available. To obtain the WSDL for each service add “?wsdl” to the end of each URL.

2.1 LTS

<http://localhost:5665/LTS/services/AcknowledgeMessagesReceipt>

<http://localhost:5665/LTS/services/GetMovementForTrader>

<http://localhost:5665/LTS/services/GetNewMessages>

<http://localhost:5665/LTS/services/SubmitExplainDelayToDelivery>

<http://localhost:5665/LTS/services/SubmitReportofReceipt>

2.2 Live

Once your Client software has been developed, the Live URL needs to be implemented so that this will utilise the Live EMCS service.

The URL's have been provided below.

<https://emcs.ws.hmrc.gov.uk/EMCS/AcknowledgeMessagesReceipt/1>

<https://emcs.ws.hmrc.gov.uk/EMCS/GetMovementForTrader/1>

<https://emcs.ws.hmrc.gov.uk/EMCS/GetNewMessages/1>

<https://emcs.ws.hmrc.gov.uk/EMCS/SubmitExplainDelayToDelivery/1>

<https://emcs.ws.hmrc.gov.uk/EMCS/SubmitReportofReceipt/1>

3. Service Description

Web Service Operation	Message Class	Live Service Description	LTS Notes
GetMovementForTrader	HMRC-EMCS-GET1-DIRECT	Movement data for a specified ARC for a specified requesting Trader is returned.	The configurable LTS response message capability has been provided to allow creation of suitable test scenarios.
GetNewMessages	HMRC-EMCS-GET2-DIRECT	New messages for a Trader that are available for download are returned in the response. For performance reasons, the number of messages returned will be restricted to a maximum of 10 messages only. Therefore, the total available will also be output.	In the LTS implementation, there are no state updates. The configurable LTS response message capability has been provided to allow creation of suitable test scenarios.
AcknowledgeMessagesReceipt	HMRC-EMCS-ACK1-DIRECT	Acknowledges successful download of messages returned for a Trader in GetNewMessages service. The status of the downloaded messages are marked "Download successful". A call to this service needs to be made prior to subsequent calls to GetNewMessages, otherwise GetNewMessages will simply return the same set of messages again.	In the LTS implementation, there are no state updates. The configurable LTS response message capability has been provided to allow creation of suitable test scenarios.
SubmitReportofReceipt	HMRC-EMCS-IE818-DIRECT	Submission of an IE818 Report of Receipt message for a Trader. A business receipt will be returned in the response for successfully RIM validated messages. The business receipt indicates successful receipt of the submitted message and not that the message was fully validated. In the Live system a new message will be created to advise the Trader of fully validated and successful submissions. Validation errors will be advised via an IE704 message. Messages can be downloaded via the GetNewMessages service.	In the LTS implementation the configurable LTS response message capability has been provided to allow creation of suitable test scenarios.
SubmitExplainDelayToDelivery	HMRC-EMCS-IE837-DIRECT	Submission of an IE837 Explain Delay To Delivery message for a Trader. A business receipt will be returned in the response for successfully RIM validated messages. The business receipt indicates successful receipt of the submitted message and not that the message was fully validated. Validation errors will be advised via an IE704 message. Messages can be downloaded via the GetNewMessages service.	In the LTS implementation the configurable LTS response message capability has been provided to allow creation of suitable test scenarios.

4. LTS Fixed Responses

As the LTS is purely designed for use as a validation tool, providing an intelligent response based on the incoming request is not possible. The fixed responses provide a mechanism to test these scenarios as per the live environment. One example of this would be the need to respond to a request for multiple messages.

To provoke a fixed response, the username specified in the incoming message must match the filename of the fixed response (minus the file extension).

For example, to get the fixed response of a user failing authentication, the username must be "8901". This relates to the file at location:

```
[extraction path]\LTS\resources\responses\Authentication\8901.xml
```

To aid a third party developer, the LTS provides an easy way to provide your own fixed responses, so that the values within these responses can be tailored to be more specific to an individual user.

The fixed responses are all held within the folders relevant to each message type, as shown in the list below:

```
[extraction path]\LTS\resources\responses\GetMovementForTrader  
[extraction path]\LTS\resources\responses\GetNewMessages
```

To provide your own fixed response, create your xml file and save it to the directory which is relevant to your message type.

Then, in your incoming message, ensure the username in the header is the same value as the filename, e.g. <Username>000001</Username>. Providing the incoming message passes schema and business rule validation, the fixed response will be returned. A list of usernames that are preconfigured within the LTS are listed in Appendix A.

Appendix A: Fixed Responses

AcknowledgeMessagesReceipt:

8901 - Authentication failed

GetMovementForTrader:

8901 - Authentication failed

000001 - Movement ARC does not exist.

000002 - Movement found.

000003 - Movement found (where multiple versions exist).

GetNewMessages:

8901 - Authentication failed

000001 - No Messages found for this trader.

000002 - Messages found (where there are no more messages to download).

000003 - Messages found (where there are more messages to download).

000004 - ie704 response for ie818

000005 - ie704 response for ie837

SubmitExplainDelayToDelivery:

8901 - Authentication failed

SubmitReportofReceipt:

8901 - Authentication failed