



Customs & Excise

EMCS PIT Specification

The information in this document is provided as a guide only and is not professional advice, including legal advice. It should not be assumed that the guidance is comprehensive or that it provides a definitive answer in every case.

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Version Control

Version	Date	Change
1.0	22/07/2025	Initial document

Audience

This document is for any software provider who wish to test B2G software interacting with the Excise Movement Control System (EMCS)

Document Context

This document describes functionality, messages and test scenarios pertaining to EMCS system, that are supported by Revenue in a dedicated Public Interface Testing environment. This document is designed to be read in conjunction with the SOAP and REST integration guides as well as the rest of the Revenue Commissioners' documentation suite including the relevant technical documents.

Document References

Reference
1. <i>eCustoms – PIT Connectivity Testing Scenarios</i>
2. <i>Customs & Excise REST Web Service Integration Guide</i>
3. <i>Customs & Excise SOAP Web Service Integration Guide</i>
4. <i>Customs and Excise Web Services Common Specification</i>
5. EMCS schemas and WSDLs
6. EMCS technical specification
7. EMCS Trader Guides

Abbreviations Used in This Document

Abbreviation	Description
AEO	Authorised Economic Operator
C&E	Customs and Excise
EAAD	Electronic Administrative Accompanying Document
EMCS	Excise Movement Control System
PIT	Public Interface Testing
ROS	Revenue Online Service

1 Introduction

This document outlines the messages that are currently available for PIT testing and messages that are not be available in PIT, as well as provides instructions on how a Trader may simulate different responses from the EMCS Customs system in the PIT environment. The messages that are not available in PIT require manual intervention on Revenue's side.

This document should be used in conjunction with the documents listed in the [Document References](#) section and EMCS-specific Customs web and technical documentation published on Revenue.ie website in the "Online Services Support" section.

Before conducting any of the scenarios described in this document, it is strongly recommended to ensure that scenarios described in *"eCustoms – PIT Connectivity Testing Scenarios"* document are executed successfully.

2 Prerequisites

A developer or tester who wishes to engage in testing in PIT must first ensure that they have:

1. Notified Revenue on their intention to test through registering for access to the Revenue eCustoms PIT Support Service Desk.
2. Received their ROS test digital certificate that will enable them to access and reset Revenue supplied test data from the PIT Test Data Management Service.
3. Carefully consulted and adhered to published schemas, technical and functional documents that Revenue have published for EMCS on the website.

Further information on these tools, including access, is provided in the PIT section of Technical Specification for eCustoms on Revenue.ie website in the "Online Services Support" section.

3 Revenue Online Service (ROS)

ROS is the method by which Revenue is delivering its interactive customer services electronically to the customer. The PIT ROS Web Services can be used to submit Customs messages to Revenue. The contents of the body of the EMCS web service message are in XML format.

If successful, the web service will verify the signature and message type and reply with synchronous response. Response to successful emcsSubmit web service requests is a Message Acknowledgement containing transaction id and status. Response to requests that were not processed successfully by the web service is a Message Acknowledgement containing an error code.

More information on error codes and common failure scenarios is available in *“Customs & Excise – Web Services Common Specification”* document.

EMCS will reply to successful emcsSubmit requests asynchronously by placing the response in a queue (Customs Mailbox) from which the message will need to be retrieved using Mailbox Collect request. The submission and asynchronous response delivery process are described in more details in *“Customs & Excise Web Service Common Specification”* document.

The Web Services for the Customs messages are described through WSDL files and the schemas for each message.

4 Digital Signatures

Any ROS web service request that either returns confidential information or accepts submission of information must be digitally signed. This must be done using a digital certificate that has been previously retrieved from ROS.

The digital signature must be applied to the message in accordance with specification as described in *“Customs & Excise REST Web Service Integration Guide”* and *“Customs & Excise SOAP Web Service Integration Guide”* available on Revenue.ie website.

The digital signature ensures the integrity of the document. By signing the document, we can ensure that no malicious intruder has altered the document in any way. It can also be used for non-repudiation purposes.

5 EMCS Messages' Availability for Testing

The messages that can be SUBMITTED by the Trade are as follows:

Message	Name
IE810	Cancellation of an EAAD
IE813	Change of Destination
IE815	Submitted Draft of EAAD
IE818	Accepted or Reject Report of Receipt
IE819	Alert or Rejection of an EAAD
IE825	Submitted Draft of Splitting Operation
IE837	Explanation on Delay for Delivery
IE871	Explanation on Reason for Shortage

6 Test Data and Available Functionality

6.1 PIT Environment URLs

End-to-end interactions with the EMCS System are only available in Live-level PIT environment (<https://softwaretest.ros.ie>).

The Development-level PIT (<https://softwaretestnextversion.ros.ie>) offers only the emcsSubmit web service endpoint with no backend functionality. I.E. no EMCS responses will be placed in tester's Customs Mailbox.

The respective URLs for the relevant web services in **Live-level PIT** are as follows:

Service	PIT URL
EMCS Submit	SOAP: https://softwaretest.ros.ie/customs/webservice/v1/soap/emcsSubmit REST: https://softwaretest.ros.ie/customs/webservice/v1/rest/emcsSubmit
Mailbox Collect	SOAP: https://softwaretest.ros.ie/customs/webservice/v1/soap/mailboxCollect REST: https://softwaretest.ros.ie/customs/webservice/v1/rest/mailboxCollect
Mailbox Acknowledge	SOAP: https://softwaretest.ros.ie/customs/webservice/v1/soap/mailboxAcknowledge REST: https://softwaretest.ros.ie/customs/webservice/v1/rest/mailboxAcknowledge
Transaction ID	SOAP: https://softwaretest.ros.ie/customs/webservice/v1/soap/transactionID REST: https://softwaretest.ros.ie/customs/webservice/v1/rest/transactionID

6.2 ROS Certificate

Please raise request in PIT Help Desk to obtain the ROS digital certificate.

Digital Sub-Certificate:	wk_sub7.p12
Consignor Number:	IEWK000050291 (Excise Office: IEDUB100)
Associated Warehouse:	IETW000065007
Products:	All Products

6.3 Suggested EU Consignees

#	SEED ID	Warehouse	Products	Excise Office
1	BE1A000089999	BE1A000089900	B000	BE100000
2	BE1H000010399	BE1H000010300	B000, I000, S200, S300, W200 W300	BE400000
3	XI00029DF004K	XI00029DF004K	B000, I000, S200, T200, T300, T400, T500, W200 W300	ESD29200