Customs & Excise

AIS V2 (CCI Only) PIT Specification

Contents

Version Control		
Version	**Date**	**Change**
1.0	19/09/2025	Initial document

Audience

This document is for any software provider who wish to test B2G software interacting with the Centralised Clearance at Import (CCI). Guidance on National Import, the other component of the Automated Import System (AIS V2) will be provided at a later date.

Document Context

This document describes functionality, messages and test scenarios pertaining to CCI 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. *eCustoms – PIT Connectivity Testing Scenarios*
2. *Customs & Excise REST Web Service Integration Guide*
3. *Customs & Excise SOAP Web Service Integration Guide*
4. *Customs and Excise Web Services Common Specification*
5. AIS V2 (including CCI) Schemas and WSDLs
6. AIS V2 (including CCI) Trader Guides
7. Sample CCI messages

Abbreviations Used in This Document

Abbreviation	Description
AEO	Authorised Economic Operator
AIS	Automated Import System
C&E	Customs and Excise
CCI	Centralised Clearance for Import
EUCDM	EU Customs Data Model
PIT	Public Interface Testing
ROS	Revenue Online Service
UCC	Union Customs Code

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 CCI 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 CCI-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 AIS V2 (including CCI) 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 CCI 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 aisSubmit 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.

CCI will reply to successful aisSubmit 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   CCI Messages' Availability for Testing

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

Message	Name	Availability
IM415	Customs Supplementary Declaration	Available
IM413	Customs Declaration Amendment Request	Not available
IM414	Invalidation Request	Not Available
IM432	Presentation Notification	Not Available
IM433	Presentation Notification from EIDR	Not Available
IM446	Provide Supporting Documents	Not Available

The response messages that can be **RECEIVED** by the Trade are as follows:

Message	Name	Availability
IM917	Syntax Error notification message	Available
IM428	Acceptance of Customs Declaration/Registration of Supplementary Declaration	Available
IM429	Release for Import/Confirmation of Supplementary Declaration	Not Available
IM404	Amendment Request Registration	Not Available
IM410	Invalidation of Customs Declaration	Not Available
IM426	Registration of a pre-lodged CCI Customs Declaration	Not Available
IM431	Expiration of Timer for Supplementary Declaration	Not Available
IM438	Reminder for Providing Additional Documents	Not Available
IM444	Control Results	Not Available
IM447	Documentary Control Results	Not Available
IM451	No Release/Non-Confirmation of Supplementary Declaration	Not Available
IM456	CCI Rejection from SCI	Not Available
IM457	Presentation Registration Notification	Not Available
IM460	Control Notice	Not Available
IM462	Presentation Notification Request from SCI	Not Available

6   Customer Validation

All customers and authorisations will be regarded as valid in the PIT environment by default.

7   Customs Office Validation

For CCI flows, the required value for *SupervisingCustomsOfficeForCCI* is: **IEDUB100**.

8   Test Scenarios – Sample CCI Declarations

8.1   Empty IM415

Test Identifier	**aisSubmit empty IM415**	
Test Purpose	Verify the Revenue responds with the expected asynchronous response messages following submission of an empty declaration.	
PIT Test URL	**SOAP**: https://softwaretestnextversion.ros.ie/customs/webservice/v1/soap/aisSubmit **REST**: https://softwaretestnextversion.ros.ie/customs/webservice/v1/rest/aisSubmit	
HTTP Method	POST	
Content-type	**SOAP:** application/soap+xml	**REST:** application/xml
Test Data Prerequisite	Prepare an empty IM415 message with a valid ROS digital signature.	
Test Steps	1. The Customs Agent/Trader prepares their IM415 AISSubmit message Import Declaration. 2. The Customs Agent/Trader correctly signs the request with their digicert. 3. The Customs Agent/Trader submits the message to the AIS Submit webservice. 4. Revenue returns the listed in Expected Results below response message to the customs mailbox. 5. The Customs Agent/Trader submits MailboxCollect request and retrieves the asynchronous response. 6. The Customs Agent/Trader submits MailboxAcknowledge request containing the MailboxId of the response to remove the response from Mailbox.	
Expected Result	CCI responds to the mailbox with: • IM917 syntax error notification from CCI specifying details of errors.	

8.2   CCI IM415

Test Identifier	**aisSubmit IM415 CCI**	
Test Purpose	Verify the Revenue responds with the expected asynchronous response messages following submission of an import lodged declaration with no risk trigger in it.	
PIT Test URL	**SOAP**: https://softwaretestnextversion.ros.ie/customs/webservice/v1/soap/aisSubmit **REST**: https://softwaretestnextversion.ros.ie/customs/webservice/v1/rest/aisSubmit	
HTTP Method	POST	
Content-type	**SOAP:** application/soap+xml	**REST:** application/xml
Test Data Prerequisite	Prepare a valid IM415 message with a valid ROS digital signature.	
Test Steps	1. The Customs Agent/Trader prepares their IM415 AISSubmit message Import Declaration. See sample message Sample_IM415_CCI.xml **2. The Customs Agent/Trader must replace the existing LRN. For new declarations the LRN must be unique. Non-unique LRNs will not be accepted by the system.** 3. The Customs Agent/Trader correctly signs the request with their digicert. 4. The Customs Agent/Trader submits the message to the AIS Submit webservice. 5. Revenue returns the listed in Expected Results below response messages to the customs mailbox. 6. The Customs Agent/Trader submits MailboxCollect request and retrieves the asynchronous responses. 7. The Customs Agent/Trader submits MailboxAcknowledge request containing the MailboxId of the responses to remove the responses from Mailbox.	
Expected Result	CCI responds to the mailbox with: • Customs Declaration Acceptance – IM428 • Release Notification – IM429 (currently not available)	

9   Test Data and Available Functionality

This section provides instructions on how a Trader may simulate different responses from the CCI Customs system in the PIT environment. At present, the available functionality is limited.

9.1   Generate Control Notice – IM460

By default, declarations will not go under control. However, if the LRN contains the words *red*, *orange*, or *purple*, the corresponding control results will be returned.

9.2   TARIC

The TARIC simulation data will be treated as valid by default. Any tax calculations performed will return mock values.