



Customs & Excise

AISv1 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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1.0	22/07/2025	Initial document

Audience

This document is for any software provider who wish to test B2G software interacting with the Automated Import System (AISv1), not including CCI and EUCDM version 6.x

Document Context

This document describes functionality, messages and test scenarios pertaining to AIS 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.

This document supersedes previous documents:

- *"eCustoms UCC Programme PIT Connectivity and Sample Declaration Test Scenarios"*.
- *"eCustoms – PIT AIS Test Data and Available Functionality"*
- *"eCustoms – PIT AIS Message Types Available"*

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. AISv1 schemas and WSDLs
6. AISv1 technical specification
7. AISv1 Trader Guides
8. Sample AISv1 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 AISv1 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 AISv1-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 AISv1 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 AIS 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.

AIS 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 AIS Messages' Availability for Testing

5.1 Non-H7 Messages

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

Message	Name	Availability
IMPORTS		
ETD15	D3 - Electronic Transport Document	Available
IM413	Customs Declaration Amendment Request	Available
IM414	Invalidation Request	Available
IM415	Customs Declaration	Available
IM432	Presentation Notification	Available
IM483	Documents Received	Available
REFUNDS		
RD415	Application for Deposit Refund Decision	Available
RF415	Application for remission of Customs debt	Available
TEMPORARY STORAGE		
TS313	Temporary Storage Declaration Amendment Request	Available
TS314	Temporary Storage Declaration Invalidation Request	Available
TS315	Pre-lodged Temporary Storage Declaration (G4) TSD and Presentation Notification, combined (G4+G3)	Available
TS322	Presentation Notification	Available

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

Message	Name	Availability
IMPORTS		
IM405	Amendment Request Rejection	Available
IM409	Invalidation Request Decision	Available
IM415V	Customs Declaration Acknowledgment	Available
IM416	Customs Declaration Rejection	Available
IM428	Customs Declaration Acceptance or Goods Deemed to be Placed under Customs Warehousing Procedure	Available
IM429	Release Notification	Available
IM433	Presentation Notification Rejection	Available
IM451	Release Rejection	Available
IM460	Control Notice	Available
IM917	Syntax Error notification message	Available
IM099	General Notification and Request Information	Available
ETD16	D3 Rejection message	Available

ETD28	D3 Acceptance	Available
IM493	Amendment notification for partial or deferred quota allocation	Available
IM404	Amendment Request Registration	Available
IM462	Request Declaration Amendment	Not available
IM464	Request Declaration Invalidation	Not available
IM482	Documents Request	Not available
IM484	Request Document Presentation	Not available
IM862	Declaration Amendment Request Cancellation	Not available
IM864	Declaration Invalidation Request Cancellation	Not available
IM882	Documents Upload Request Cancellation	Not available
IM884	Documents Presentation Request Cancellation	Not available
REFUNDS		
RD409	Application for Deposit Refund Decision	Available
RD416	Application for remission of Customs debt rejection	Available
RF409	Decision on Refund application	Available
RF416	Application for remission of Customs debt rejection	Available
TEMPORARY STORAGE		
TS304	Temporary Storage Declaration Amendment Request Registration	Available
TS305	Temporary Storage Declaration Amendment Request Rejection	Available
TS309	Temporary Storage Declaration Invalidation Decision	Available
TS315V	Pre-lodged Temporary Storage Declaration Registration	Available
TS316	Temporary Storage Declaration Rejection	Available
TS328	Temporary Storage Declaration Acceptance	Available
TS333	Presentation Notification Rejection	Available
TS351	Temporary Storage Do Not Import	

5.2 H7 Messages

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

Message	Name	Availability
IMPORTS		
IM415	Customs Declaration	Available
IM483	Documents Received	Available
IM413	Customs Declaration Amendment Request	Available
IM414	Invalidation Request	Available
IM432	Presentation Notification	Available
REFUNDS		
RF415	Application for remission of Customs debt	Available

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

Message	Name	Availability
IMPORTS		
IM415V	Customs Declaration Acknowledgment	Available
IM416	Customs Declaration Rejection	Available
IM428	Customs Declaration Acceptance or Goods Deemed to be Placed under Customs Warehousing Procedure	Available
IM429	Release Notification	Available
IM451	Release Rejection	Available
IM917	Syntax Error notification message	Available
IM099	General Notification and Request Information	Available
IM405	Amendment Request Rejection	Available
IM409	Invalidation Request Decision	Available
IM433	Presentation Notification Rejection	Available
IM460	Control Notice	Available
IM404	Amendment Request Registration	Available
IM462	Request Declaration Amendment	Not available
IM464	Request Declaration Invalidation	Not available
IM482	Documents Request	Not available
IM484	Request Document Presentation	Not available
IM862	Declaration Amendment Request Cancellation	Not available
IM864	Declaration Invalidation Request Cancellation	Not available
IM882	Documents Upload Request Cancellation	Not available
IM884	Documents Presentation Request Cancellation	Not available
REFUNDS		
RF409	Decision on Refund application	Available
RF416	Application for remission of Customs debt rejection	Available

6 Test EORI Numbers

For the AIS system to correctly process submitted test declarations the submitter must use EORI number valid in PIT environment. Below is a list of sample EORI numbers that will be accepted in PIT.

A valid EORI must be used in the below fields:

- Declarant
- Importer
- Representative
- Person Paying the Customs Duty Identification Number
- Holder of the authorisation identification no.

EORI with AEO cert	EORI without AEO cert
IE4524493J	IE8218454B
IE4536017Q	IE9705444U
IE4536860D	IE6370052O
IE4618356U	IE9740022Q
IE4732997B	IE6401635I
IE4736801B	IE9726356R
IE4737353F	IE3478855G
IE4740414Q	IE8252754H
IE4802830A	IE6571623E
IE4809539S	IE9I50389L

7 Test Scenarios – Sample AIS Declarations

7.1 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	<ol style="list-style-type: none"> 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	AIS responds to the mailbox with: <ul style="list-style-type: none"> • IM917 syntax error notification from AIS specifying details of errors. 	

7.2 H1 Green IM415

Test Identifier	aisSubmit IM415 H1 Green	
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	<ol style="list-style-type: none"> 1. The Customs Agent/Trader prepares their IM415 AISSubmit message Import Declaration. See sample message IM415_H1_Green.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	<p>AIS responds to the mailbox with:</p> <ul style="list-style-type: none"> • Customs Declaration Acceptance – IM428 • Release Notification – IM429

7.3 H7 Green IM415

Test Identifier	aisSubmit IM415 H7 Green	
Test Purpose	Verify the Revenue responds with the expected asynchronous response messages following submission of an import lodged H7 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 H7 message with a valid ROS digital signature.	
Test Steps	<ol style="list-style-type: none"> 1. The Customs Agent/Trader prepares their IM415 H7 AISSubmit message Import Declaration. See sample message IM415_H7_Green.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	<p>AIS responds to the mailbox with:</p> <ul style="list-style-type: none"> • Customs Declaration Acceptance – IM428 • Release Notification – IM429 	

8 Test Data and Available Functionality

This section provides instructions on how a Trader may simulate different responses from the AIS Customs systems in the PIT environment.

8.1 Generate Control Notice – IM460

To support the test, the below rules are set up to make a declaration go ‘Under Control’:

1. Physical Examination – Red Routing
2. Documentary Check – Orange Routing

TRIGGER	RISK MANAGEMENT SYSTEM RESPONSE
H1 – H6 – A Certificate starting with “A” or “C” has been declared in 2/3 either on the shipment level or on the item level. H7 - The description of goods field is equal to ‘Orange’.	The declaration will be deemed “Documentary Check – Orange Routing”
H1 – H6 – One of items declared has TARIC code (6/14) that starts with “87” and “88”. H7 – The description of goods field is equal to ‘Red’	The movement is classified as “Physical Examination – Red Routing”.

8.2 TARIC

The TARIC simulation data is valid up to 04/01/2021. Any commodity codes that have been updated after this date may be subject to errors.

8.3 Document Types Accepted

8.3.1 Validating the Certificate Reference – This is not applicable for the H7.

Below is a list of Document Types in DE 2/3 (Documents produced, certificates and authorisations, additional references) that will be accepted.

C504, C505, C506, C509, C510, C512, C513, C514, C515, C516, C517, C518, C519, C526, C601, C990

If the document/certificate ID = ‘000’ then the system will simulate an error condition and consider the certificate invalid.

In all other cases (any other ID provided) the system will successfully validate the certificate reference.

This relates to BR2034.

8.3.2 Validating a Registered Exporter Number

Below is the only Document Types in DE 2/3 (Documents produced, certificates and authorisations, additional references) that will be accepted.

C100

If the document ID = 'AA4809539Q' then the system will simulate an error condition and consider the Registered Exporter number is invalid.

In all other cases (any other ID provided) the system will successfully validate the Register Exporter Number.

This relates to BR2036.

8.3.3 CERTEX Scenarios

Below are the only CHEDS that will be accepted. C640 will need to be input into Data Element 2/03 in order to use these:

TRIGGER	SYSTEM BEHAVIOUR
CHEDA.BE.2020.0000155	Stage 2 and will be at 'Suspended Release'.
CHEDA.BE.2020.0000153	Stage 2 and control case will be created.
CHEDA.BE.2020.0000157	Stage 2 and will be at 'Suspended Release'.
CHEDA.BE.2020.0000151	Stage 1 and Rejected.

8.4 Accounting

The currencies and exchange rates that are available in PIT are as follows:

- Euro = 1
- GBP = 0.86250
- USD = 1.207

To simulate Insufficient Funds (the IM099 message) the tax total value on the declaration must be greater than €3000. A declaration which has a tax total value of less than €3000 will be considered paid.

8.5 Deem the Declaration as Arrived or Not Arrived

In the Temporary Storage declaration, if in DE 7/9 (Identity of means of transport on arrival) the type of identification is 10 (IMO) or 40 (IATA flight number) and the identification number is 145785 the declaration is considered 'Not Arrived' and will produce an error condition. A declaration which has any other value will be considered 'Arrived'.

8.6 Functionality Not Included

- Functionality to simulate different response messages to CVED/COI certificates.
- Amendments H7.
- Invalidations H7.
- Refunds H7.

8.7 H7 – Low Value Consignments

Please note that the H7 is based on the EU data model Version 6 and the H7 schemas and Trader Guide are now available on the website.

8.7.1 Tariff Validation for H7.

#	Rule description	Available in PIT
1	Declaration is rejected if all the 10-digit codes under the declared 6-digit code are subject to EU or National, Prohibitions or restrictions.	Not available
2	Note that if some (but not all) 10-digit codes under the declared 6-digit code are subject to EU or National Prohibitions or restrictions (without using additional codes), then the H7 declaration is not rejected.	Not available
3	Declaration is rejected if the commodity code is excisable.	Available

8.7.2 Tariff Calculation for H7.

#	Rule description	Available in PIT
1	No duties (including additional duties, antidumping, etc.) apply in H7. No excise and carbon tax applies in H7. Excisable products cannot be declared on H7.	Available
2	No VAT is calculated when IOSS is declared. No duties and taxes are shown in the subsequent messages (IM429, etc.)	Available
3	No VAT is calculated when C08 is declared, and sum of intrinsic values + transport and insurance costs of the declaration ≤ 45€ No duties and taxes are shown in the subsequent messages (IM429, etc.)	Available
4	VAT is calculated but not collected when C07 and F49 are declared. The VAT / 1B3 amount is shown on the subsequent messages (IM429) but will not be included in the tax total.	Available
5	VAT is calculated and collected when the conditions #2, #3 and #4 are not met. The Standard VAT rate applies in all cases.	Available

8.7.3 H7 Additional Procedure Codes

These are the combinations that can be used on the H7 declaration:

- C07 – (Goods of Negligible Value) is for goods less than or equal to €150 (Sum of DE '14 14 000 000 Intrinsic Value).
- C08 – (Gifts) is for goods less than or equal to €45 (Sum of the DE '14 14 000 000 Intrinsic Value' plus the DE '14 15 000 000 Transport and insurance costs to the destination).

Please note that 1A01 or 1A05 cannot be declared on any H7 declaration.

Declaring a declaration with an IOSS Number

- C07 must be declared in DE 11 10 001 000 Additional Procedure.
- F48 must be declared in DE11 10 001 000 Additional Procedure.
- The IOSS number must be declared in DE13 16 000 000 Additional Fiscal Reference and the role FR5 must be declared. Sample IOSS - CY00000000B.

Declaring a declaration with VAT special arrangements

- C07 must be declared in DE11 10 001 000 Additional Procedure.
- F49 must be declared in DE 11 10 001 000 Additional Procedure.
- 1A06 authorisation must be declared in DE 12 03 002 000 Supporting Documents Type.
- Authorisation number IE00000F49.

Declaring a declaration for goods of negligible value

- C07 must be declared in DE 11 10 001 000 Additional Procedure.

Declaring a declaration for gifts, i.e. consignments sent from one private individual to another

- C08 must be declared in DE 11 10 001 000 Additional Procedure.
- No other codes are permitted on the declaration.