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| Toldsystemet Import |
| System guide |

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| Toldsystemet System Guide Version 2.0 September 2021 |
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guide

Contents

[1 Introduction 3](#_Toc83288189)

[2 Technical overview 3](#_Toc83288190)

[2.1 Relation between system-to-system and UI 3](#_Toc83288191)

[2.2 System overview 3](#_Toc83288192)

[2.2.1 Services and endpoints 4](#_Toc83288193)

[3 Declaration submission and supporting functions 5](#_Toc83288194)

[3.1 Submission 5](#_Toc83288195)

[3.2 Correction 5](#_Toc83288196)

[3.3 Amendment 5](#_Toc83288197)

[3.4 Invalidation 6](#_Toc83288198)

[3.5 Invalidation and Repayment 6](#_Toc83288199)

[3.6 Remission and Repayment 6](#_Toc83288200)

[3.7 I2 - Goods Presentation 6](#_Toc83288201)

[3.8 Overview of declaration types with their possible support function 6](#_Toc83288202)

[3.9 XSDs and test cases 7](#_Toc83288203)

[4 Notifications 8](#_Toc83288204)

[4.1 Notification Request Design Suggestion 8](#_Toc83288205)

[4.2 List of notifications, error codes, warnings, and their text description 8](#_Toc83288206)

[4.2.1 Overview of notifications 8](#_Toc83288207)

[4.2.2 Reading notifications 9](#_Toc83288208)

[4.2.3 CWMACC - Declaration acceptance notification 11](#_Toc83288209)

[4.2.4 CWMCLE - Declaration clearance notification 11](#_Toc83288210)

[4.2.5 CWMINV - Declaration invalidation notification 12](#_Toc83288211)

[4.2.6 CWMRCV – Receival notification 13](#_Toc83288212)

[4.2.7 CWMREJ - Rejection notification 15](#_Toc83288213)

[4.2.8 CWMREQ – Customs position on request notification 17](#_Toc83288214)

[4.2.9 CWMRES - Result of request notification 18](#_Toc83288215)

[4.2.10 CWMTAX - Customs debt notification 20](#_Toc83288216)

[4.2.11 Error codes and warnings 22](#_Toc83288217)

[5 Error handling 22](#_Toc83288219)

[5.1 Rejected declaration 22](#_Toc83288220)

[5.2 Missing notifications 22](#_Toc83288221)

[5.2.1 No CWMCLE notification 22](#_Toc83288222)

[5.2.2 No CWMTAX notification 25](#_Toc83288223)

[5.2.3 No CWMRCV notification/No notifications 25](#_Toc83288224)

[6 Getting access 25](#_Toc83288225)

[6.1 Trader portal 26](#_Toc83288226)

[6.2 System to system 26](#_Toc83288227)

[7 Verifying functionality 26](#_Toc83288228)

[8 Appendix 26](#_Toc83288229)

[8.1 Flow of declarations, and related notifications 26](#_Toc83288230)

[8.1.1 H7 Notification flows 27](#_Toc83288231)

[8.2 Overview of notification types and data elements 31](#_Toc83288232)

# Introduction

This guide describes the functionality of the new Import Declaration Management system – Toldsystemet. The target group for this system guide is developers responsible for developing System-to-system integration from own customs clearance system to Toldsystemet.

The aim of this document is to guide an understanding of the technical setup around a system-to-system integration. Where the [**Connectivity guide (found on Github)**](https://github.com/skat/dms-public/raw/master/Onboarding%20Documents/ConnectivityGuide.docx) explains how to establish connection to the AS4 gateway this system guide explains the message flows and the functions that can be carried out with Toldsystemet. In specific it explains the notifications in detail.

Currently the document is structured around the H7 declaration type, but the document will be enhanced when new functionality is added.

# Technical overview

## Relation between system-to-system and UI

The Declaration Management System – Toldsystemet can be accessed either via a S2S solution where declarations are submitted through the AS4 gateway or via the systems online UI.

In principle all system functions can be managed through both access points. UI or S2S. If using the S2S integration the recommendation is only to use the UI to look up information to avoid the risk of mismatch of data between own backend and Toldsystemet. E.g., if a declaration is lodged via S2S integration but amended via the UI your backend will not know of which data changed via the UI.

## System overview

Toldsystemet has 2 primary services. One for submitting declarations and a service for requesting notifications, which are status of a declaration.

Besides the primary services, services for additional messages exist. These are services to correct/amend, Invalidate and Repayment.

The illustration below shows how the communication passes through the AS4 gateway.

Diagram

Description automatically generated

**Figure 2.2.1 – System overview**

The illustration shows that when lodging a declaration, the desired service is called. At the AS4 gateway the XML is syntax validated and a synchronous response is returned. In case of syntax error, the file is rejected. If syntax validation is passed the declaration is forwarded to the backend system, where semantic validation and further processing of the declaration will be carried out.

To know if the declaration has been accepted and what its status another service – the notification service – needs to be called. The notification service returns all notifications available matching the request parameters. Please refer to section 4 of this document to understand how notifications are used and which notifications to expect for the various declarations.

### Services and endpoints

This section describes the S2S services that the system exposes, and how those services can be reached.  
The system has two main services, with multiple other additional services, used in special cases.  
The normal function is that you call one of the exposed services, and continually call the notification service, to get the result of the operation.

The services that can be reached, are:

|  |  |
| --- | --- |
| Service | Description |
| Declaration.Submit | Create a declaration. Type (H1, H2 … , etc) is indicated in the AS4 header. |
| Declaration.Amend | Amend a declaration. Used to correct mistakes or add information if new arrives. |
| Declaration.Amend.Goodspresented | Used to amend a declaration with goods presentation data. Only used in certain scenarios. |
| Declaration.Invalidate | Invalidate a declaration. Used to “cancel” a declaration. The same or modified declaration can be sent in with the same LRN at a later point. |
| Declaration.InvalidateRemissionRepayment | Used to invalidate a declaration on which a payment has been made. The amount is then remitted or repaid pending its payment status. |
| Notification | The Notification service is used to retrieve the latest updates on pending declaration and additional messages. |

**Table 2.2.1.1 – Service overview**

All services are reached through the AS4-GW, on the same endpoint, where the AS4-header indicates which service to call. See details on endpoint and AS4-header in the connectivity guide.

The endpoints are:

|  |  |  |
| --- | --- | --- |
| Environment | Hostname | Port |
| Test | secureftpgatewaytest.skat.dk | 6384 |
| Prod | secureftpgateway.skat.dk | 6384 |

**Table 2.2.1.2 – Endpoints**

This information is combined with details on the Company, creating a complete endpoint:

**https://<hostname>:6384/exchange/CVR\_<CVR>\_UID\_<UID>**

# Declaration submission and supporting functions

All declarations and supporting functions can be submitted through the Trader Portal UI, as well as through the system-to-system interface in an XML format. In both cases the data to provide is given by the EUCDM standard based on WCO.

All schemas used on Toldsystemet are available on Skat’s Github**[here](https://github.com/skat/dms-public)**.

Information on how to submit the declarations and the supporting functions are described in the supplied [**connectivity guide**](https://github.com/skat/dms-public/raw/master/Onboarding%20Documents/ConnectivityGuide.docx).

## Submission

The main functionality is the submission of declarations. Declarations can either be filled out as a standard (IMA), or as pre-lodged (IMD) declaration. IMA declarations are only sent to Toldsystemet and must therefore include a goods location. Whereas an IMD is pre-lodged, and goods must be reported to Manifest, and presented to Manifest upon arrival. Presentation can also be done using the I2 Presentation notification. Using I2 requires a customs decision as Approved Consignee (ACE). Please clarify with Toldvejledningen, how to present. See section 3.7.

Submissions are sent to the system, using the Submission XSD (see section 3.8). How to fill in the XML schema for submission and which rules to adhere to can be found in the XML guides for the different declaration types [here](https://github.com/skat/dms-public) under the related declaration type folder.

When submitting a declaration, the **Declaration.Submit s**ervice should be used, see section 2.2.1.

## Correction

A correction request can be submitted to a declaration **before** the goods have been presented and **before** the declaration has been accepted (received the CWMACC notification, see section 4.2.3) meaning that the declaration still has to be in its **pre-lodged** state (being an IMD).

Corrections are sent to the system, using the Correction/Amendment XSD. It is important that **there is at least one changed data element** when submitting a correction, if not the correction request will be rejected with the given error code (see section 4.2.6 and section 4.2.11). Rules and details on how to fill out the data elements in the XML in each declaration type and which data elements can be corrected can be found on Github [here](https://github.com/skat/dms-public) under the related declaration type folder. See section 3.8 for which declaration types it is possible to correct.

When submitting a correction request the **Declaration.Amend s**ervice should be used, see section 2.2.1.

## Amendment

An amendment request can be submitted to a declaration **after** the goods have been presented and **after** the declaration has been accepted (received the CWMACC notification, see section 4.2.3) meaning that the declaration has to be an **IMA**, either by directly being submitted as a standard declaration or by having had the goods presented.

Amendments are sent to the system using the Correction/Amendment XSD. It is important that **there is at least one changed data element** when submitting an amendment, if not the amendment request will be rejected with the given error code (see section 4.2.6 and section 4.2.11). Rules and details on how to fill out the data elements in the XML for the different declaration types and which data elements can be amended can be found [here](https://github.com/skat/dms-public) under the related declaration type folder, see section 3.8 for which declaration types it is possible to amend.

When an amendment request has been submitted, a customs officer will have to manually grant the request, and therefore it may take some time before the expected notifications arrive.

When submitting an amendment request the **Declaration.Amend s**ervice should be used, see section 2.2.1.

## Invalidation

An invalidation request can be submitted to a declaration **after** the goods have been presented and **after** the declaration has been accepted (received the CWMACC notification, see section 4.2.3) meaning that the declaration has to be an IMA - **it is not possible to invalidate a pre-lodged declaration (IMD)**. IMDs will automatically expire after 30 days if the goods have not been presented.

Invalidation requests are sent to the system using the Invalidation XSD. A customs officer will have to manually grant the request and therefore it might take some time before the expected notifications arrive and the declaration is invalidated.

Rules and details on how to fill out the data elements in the XML for invalidating the different declaration types can be found on Github [here](https://github.com/skat/dms-public) under the related declaration type folder, see section 3.8 for which declaration types it is possible to invalidate.

When submitting an invalidation request the **Declaration.Invalidate s**ervice should be used, see section 2.2.1.

## Invalidation and Repayment

An invalidation and repayment request can be submitted to a declaration **after** the goods have been presented, **after** the declaration has been accepted (received the CWMACC notification, see section 4.2.3) and **after** the customs debt has been paid.

Invalidation and repayment requests are sent to the system using the Invalidation and Repayment XSD. A customs officer will have to manually grant the request and therefore it might take some time before the expected notifications arrive and the declaration is invalidated.

Rules and details on how to fill out the data elements in the XML for invalidating the different declaration types can be found on Github [here](https://github.com/skat/dms-public) under the related declaration type folder, see section 3.8 for which declaration types it is possible to submit an invalidation and repayment request to.

When submitting an invalidation and repayment request the **Declaration.InvalidateRemissionRepayment s**ervice should be used, see section 2.2.1.

## Remission and Repayment

Currently not available as a separate functionality. Is tentatively planned for Release 2 – 2022.

## I2 - Goods Presentation

Most EOs will not use this, as the main presentation notification are to be delivered through Manifest. **Please only implement and use the I2 Presentation notification if expressly told during your onboarding process.**

An I2 presentation notification can be submitted to a pre-lodged H7 declaration (IMD) when the goods are to be presented. The I2 presentation notification is used for some specific scenarios but contains similar information as the one delivered to Manifest – the difference is purely related to where and how the goods are stored until they are presented.

I2 presentation notifications are sent to the system using the I2 XSD.The presentation notification follows the I2 EUCDM standard, where details on specific data elements, and their usage can be seen in the provided schema [here](https://github.com/skat/dms-public/tree/master/I2%20XSDs).

When submitting an I2 – Goods Presentation declaration the **Declaration.Amend.Goodspresented** **s**ervice should be used, see section 2.2.1.

## Overview of declaration types with their possible support function

In this section is displayed an overview for which declaration types the different support functions apply. **Note** that some declaration types are support functions in themselves, e.g., the I2 declaration being a goods presentation function for an H7 declaration.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Function** | **H1** | **H2** | **H3** | **H4** | **H5** | **H6** | **H7** | **I1** | **I2** |
| Submission | N/A | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |
| Correction | N/A | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |
| Amendment | N/A | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |
| Invalidation | N/A | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |
| Invalidation and Repayment | N/A | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |
| Goods presentation | N/A | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |

**N/A** indicates that the functionality has not been developed yet.

## XSDs and test cases

In this section you find link to all the XSD’s to use for submission of declarations and for the supporting functions mentioned earlier. All XSD’s can be found on [**Github**](https://github.com/skat/dms-public).

|  |  |  |  |
| --- | --- | --- | --- |
| **H7** | | | |
| **Type** | **XSD** | **Test cases** | **XML Guide** |
| **Submission** | [H7 Submission XSD](https://github.com/skat/dms-public/tree/master/H7%20XSDs) | [H7 Submission test cases](https://skat.github.io/dms-public/test-data/) | [H7 XML Guide](https://github.com/skat/dms-public/raw/master/H7%20XSDs/H7%20XML%20Guide.docx) |
| **Correction** | [H7 Correction XSD](https://github.com/skat/dms-public/tree/master/H7%20XSDs) | [H7 Correction test cases](https://skat.github.io/dms-public/test-data/) | [H7 XML Guide](https://github.com/skat/dms-public/raw/master/H7%20XSDs/H7%20XML%20Guide.docx) |
| **Amendment** | [H7 Amendment XSD](https://github.com/skat/dms-public/tree/master/H7%20XSDs) | [H7 Amendment test cases](https://skat.github.io/dms-public/test-data/) | [H7 XML Guide](https://github.com/skat/dms-public/raw/master/H7%20XSDs/H7%20XML%20Guide.docx) |
| **Invalidation** | [H7 Invalidation XSD](https://github.com/skat/dms-public/tree/master/H7%20XSDs) | [H7 Invalidation test cases](https://skat.github.io/dms-public/test-data/) | [H7 XML Guide](https://github.com/skat/dms-public/raw/master/H7%20XSDs/H7%20XML%20Guide.docx) |
| **Invalidation and repayment** | [H7 Invalidation and Repayment XSD](https://github.com/skat/dms-public/tree/master/H7%20XSDs) | [H7 Invalidation and Repyament test cases](https://skat.github.io/dms-public/test-data/) | In progress |
| **Repayment and remission** | Not available | Not available | Not available |

|  |  |  |  |
| --- | --- | --- | --- |
| **I2** | | | |
| **Type** | **XSD** | **Test cases** | **XML Guide (I2)** |
| **I2 – Goods presentation** | [I2 - Goods Presentation XSD](https://github.com/skat/dms-public/tree/master/I2%20XSDs) | [I2 - Goods Presentation test cases](https://skat.github.io/dms-public/test-data/) | In progress |

|  |  |  |  |
| --- | --- | --- | --- |
| **H1 – Work in progress** | | | |
| Type | XSD | Test cases | XML Guide |
| Submission | WIP | WIP | WIP |
| Correction | WIP | WIP | WIP |
| Amendment | WIP | WIP | WIP |
| Invalidation | WIP | WIP | WIP |
| Invalidation and repayment | WIP | WIP | WIP |
| Repayment and remission | WIP | WIP | WIP |

# Notifications

When a declaration is submitted it passes through the system in different states, that describes where in the customs process the declaration is. The way that the system communicates the states of a declaration is through **notifications**.

Notifications are requested by the users. It is the responsibility of the user to process and react to the pulled notifications. The notifications should be pulled from a given time interval and are sent in the format described in section 4.2.2.

The notification holds information on which declaration the notification relates to, the state of the declaration, customs position response in relation to supporting function requests, error codes (if rejected), etc.

In section 4.2 there is a list and description of each notification type, how to read it from the notification response and other relevant information. For a further information on which notifications to expect from the different declaration and support function flows, see Appendix, section 8.1.

## Notification Request Design Suggestion

Notifications are requested in time intervals. E.g., Every 5 minutes. It is recommended the “from” time is set using the time stamp from the latest received notification and the sending time of the request as the “to” time for the range. For instance, this simplified example below (seconds and milliseconds are omitted for simplicity):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Action #** | **Time** | **Request** | **Response** | **Time range** | **Comment** |
| 1 | 12:00 | 1 |  | 11:55 - 12:00 | A request is sent with a 5-minute time range. |
| 2 | 12:00 |  | 1 |  | A response is received at 12:00. |
| 3 | 12:05 | 2 |  | 12:00 - 12:05 | A request is sent with the start of the range at time stamp from response 1 at Action #2 |
| 4 | 12:05 |  | 2 |  | A response is received 12:05 |
| 5 | 12:10 | 3 |  | 12:05 - 12:10 | A request is sent with the start of the range at time stamp from response 2 at Action #4 |
| 6 | 12:10 |  | None |  | A no response is received due to some unforeseen error. |
| 7 | 12:15 | 4 |  | 12:05 - 12:15 | A request is sent with the start of the range at time stamp from response 2 at Action #4 |
| 8 | 12:15 |  | 4 |  | A response is received 12:15 |

## List of notifications, error codes, warnings, and their text description

### Overview of notifications

Here is a list of all notifications the system can produce, as well as a description of when and how they are issued. The tables below illustrate to which declaration types the various notifications can be received for.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Code** | **H1** | **H2** | **H3** | **H4** | **H5** | **H6** | **H7** | **I1** | **I2** |
| CWMACC | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |
| CWMCLE | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |
| CWMINV | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |
| CWMRCV | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |
| CWMREJ | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |
| CWMREQ | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A |  |
| CWMRES | **X** | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |
| CWMTAX | **x** | N/A | N/A | N/A | N/A | N/A | **X** | N/A | **X** |

**Table 4.2.1.1 – Which notifications can be expected for the different declaration types**

**N/A** indicates that the functionality has not been developed yet.

|  |  |  |
| --- | --- | --- |
| **Code** | **Title** | **Description** |
| CWMACC | Declaration acceptance notification | The submitted declaration has been accepted |
| CWMCLE | Declaration clearance notification | Procedure is accepted and goods can be released. |
| CWMINV | Declaration invalidation notification | The declaration has been invalidated |
| CWMRCV | Request receival notification | The submitted request has been received |
| CWMREJ | Rejection notification | The declaration/request has been rejected |
| CWMREQ | Customs position on request notification | Customs position response on request |
| CWMRES | Result of request notification | Result of corrections made to the declaration, either by submitter or customs |
| CWMTAX | Customs debt notification | Notification of details on customs debt with which the declarant or his representative is informed about the details of the customs debt |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 4.2.1.2 – List of notification types** |  |  |  |
| For an overview of which notifications can be expected for submission and the supporting functionalities see, Appendix in section 8.2. Reading notifications When requesting notifications from a given time interval, the notifications can come in bundles. The notification bundle is indicated by the <Notifications> ……… </Notifications>-tags which then can contain multiple notifications indicated by the <Notification> ……… </Notification>-tags, see the example below:   |  | | --- | | <Notifications>  <Notification>          <NotificationEventType>CWMxxx</NotificationEventType>          <NotificationSID>cca1dd33-2f53-4df8-85ff-d8d1727cf972</NotificationSID>          <Declaration>              <MRN>21DKXARQJHQNAHO4R0</MRN>              <LRN>NOTIFICATION\_01</LRN>              <SubmitterReferenceNumber>NOTIFICATION\_01</SubmitterReferenceNumber>  ………….          </Declaration>  ………….      </Notification>      <Notification>          <NotificationEventType>CWMxxx</NotificationEventType>          <NotificationSID>ea989da5-bf32-4fa7-84ae-a6c02b0a1302</NotificationSID>          <Declaration>              <MRN>21DKUYRRHDAKJ512R3</MRN>              <LRN>NOTIFICATION\_02</LRN>              <SubmitterReferenceNumber>NOTIFICATION\_02</SubmitterReferenceNumber>  ………….          </Declaration>  ………….      </Notification>      …………  </Notifications> |   **Table 4.2.2.1 – Notification example**  It depends on the notification type, which fields and what information that comes after the <SubmitterReferenceNumber>-element in the <Notification>-elements, but for all notifications there are **common data elements** that provide information of the declaration.  Below is an overview of what information the different **common data elements** of the notification contains:   |  |  | | --- | --- | | Element name | Description | | NotificationEventType | The type of notification, given as the code described in Table 4.2.1 | | NotificationSID | A unique ID given to all notifications | | Declaration | Contains information that applies to the entire declaration | | MRN | The MRN of the submitted declaration which the notification belongs to | | LRN | The LRN of the submitted declaration | | SubmitterReferenceID | The submitted LRN on the declaration |   The following sections will give an insight to the different notification types, what to be aware of, and how to read them. For a larger overview of the different data elements and for notifications they occur in, see Appendix, section 8.2. CWMACC - Declaration acceptance notification The declaration acceptance notification informs the submitter that the declaration has been accepted. If there are no errors on the declaration, the notification will appear when submitting a standard declaration (IMA) or after presenting the goods declared in a pre-lodged declaration (IMD), see also Appendix for where in the notification flow CWMACC will appear.  Below is an example of the CWMACC-notification: |  | | |
| |  | | --- | | <Notification>          <NotificationEventType>CWMACC</NotificationEventType>          <NotificationSID>d6cdf594-014d-4015-8e2c-b52488fe6eb5</NotificationSID>          <Declaration>              <MRN>21DKYUDDGTIGAYF4R6</MRN>              <LRN>CWMACCNOTIFICATION</LRN>              <VersionID>1</VersionID>              <SubmitterReferenceNumber>CWMACCNOTIFICATION</SubmitterReferenceNumber>              <AcceptanceDateTime>                  <DateTimeString formatCode="304">20210831073944Z</DateTimeString>              </AcceptanceDateTime>          </Declaration>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210831073955Z</DateTimeString>          </NotificationCreatedDate>      </Notification> |   Besides from the common data elements, as described in section 4.2.2, there are only few informations to retrieve from this notification:   |  |  | | --- | --- | | **Element name** | **Description** | | VersionID | The version number of the declaration. If there has been corrections or changes (eg. presentation of goods) to the declaration before the acceptance, this number will be >1 depending on how many changes have been applied | | AcceptanceDateTime | The date and time of which the declaration was accepted | | NotificationCreatedDate | The time of creation of the notification. The same as *IsuueDateTime* | |  |

### CWMCLE - Declaration clearance notification

The CWMCLE notification contains information about the clearance for the procedure, and therefore also about the release of the goods (if this has not already been done). It is sent out only after (though not necessarily directly after) the declaration has been accepted and the CWMACC-notification has been sent.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMCLE</NotificationEventType>          <NotificationSID>55776a77-686a-4356-bbcc-96076bfed6cc</NotificationSID>          <Declaration>              <MRN>21DKI9XIGESJOSWER9</MRN>              <LRN>CWMCLENOTIFICATION</LRN>              <VersionID>1</VersionID>              <SubmitterReferenceNumber>CWMCLENOTIFICATION</SubmitterReferenceNumber>          </Declaration>          <AdditionalInformation>              <StatementCode>Considered Satisfactory</StatementCode>              <StatementTypeCode>AFB</StatementTypeCode>          </AdditionalInformation>          <IssueDateTime>              <DateTimeString formatCode="304">20210825122955Z</DateTimeString>          </IssueDateTime>      </Notification> |

As seen in the sample, the notification contains a section called <AdditionalInformation> …. </AdditionalInformation>. The additional information is information to the trader describing some kind of relevant information.

Based on what is indicated in the <StatementCode> the additional information can be different types of information. For more information on additional information for CWMCLE, see the table below:

|  |  |
| --- | --- |
| Element name | Description |
| VersionID | The version of the declaration that has been cleared |
| AdditionalInformation | Contains relevant information for the submitter |
| StatementCode | Description of the relevant information. In the example above it indicated the result of the control of the goods |
| StatementTypeCode | Describes what kind of additional message the Additional Message is – ‘AFB’ is a Customs Position Motivation. |

### CWMINV - Declaration invalidation notification

The CWMINV notification appears when an already accepted declaration has been invalidated**. For the declaration to reach the ‘Invalidated’ state, a customs officer (in most cases) must approve the invalidation request**. It is the final notification to be sent in the Ivalidation-flow.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMINV</NotificationEventType>          <NotificationSID>6c6a763f-bf9a-4088-93f5-bbdffc2ad226</NotificationSID>          <Declaration>              <MRN>21DKYUDDGTIGAYF4R6</MRN>              <LRN>CWMINVNOTIFICATION</LRN>              <SubmitterReferenceNumber>CWMINVNOTIFICATION</SubmitterReferenceNumber>          </Declaration>          <AdditionalInformation>              <StatementCode>3</StatementCode>              <StatementTypeCode>AFB</StatementTypeCode>          </AdditionalInformation>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210912084006Z</DateTimeString>          </NotificationCreatedDate>      </Notification> |

The notification provides information on the invalidation request in the <AdditionalInformation>-element:

|  |  |
| --- | --- |
| **Element name** | **Description** |
| **AdditionalInformation** | Contains additional information about the request |
| StatementCode | Encoded reason for invalidation, here **3 is ‘invalidation pr trader’s request’.** |
| StatementTypeCode | Describes what kind of additional information the Additional information is – **‘AFB’ is a Customs Position Motivation**. |

### CWMRCV – Receival notification

The CWMRCV notification appears when a pre-lodged declaration or a correction/amendment/invalidation /etc-request has been received by the system.

There are ways to distinguish which kind of declaration or request was received, therefore an explanation on how to tell the difference is provided in the following sections:

#### CWMRCV of pre-lodged (IMD) declaration

When submitting a pre-lodged declaration, the following CWMRCV-notification will look as the example below:

|  |
| --- |
| <Notification>          <NotificationEventType>CWMRCV</NotificationEventType>          <NotificationSID>287df338-e51e-440f-bdff-4e3253fbc874</NotificationSID>          <Declaration>              <MRN>21DKRSYEMQS5OOTGR1</MRN>              <LRN>CWMRCVNOTIFICATION\_01</LRN>              <SubmitterReferenceNumber>CWMRCVNOTIFICATION\_01</SubmitterReferenceNumber>          </Declaration>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210915172430Z</DateTimeString>          </NotificationCreatedDate>      </Notification> |

As can be seen, there is no further information than the common elements as described in section 4.2.2. The CWMRCV-notification for a pre-lodged (IMD) declaration **does not contain** an <AdditionalMessage> -element, see section below.

#### CWMRCV of pre-lodged (IMD) declaration with warnings

Warnings are sent after submission of a pre-lodged (IMD) declaration when there is something for submitter to be aware of, e.g., a quota or restriction on a goods item, but also if there are errors in the declaration.

Instead of initially rejecting a pre-lodged declaration with data that would have resulted in a rejection (CWMREJ) of the declaration upon goods presentation, the submitter receives warning codes in the CWMRCV-notification and therefore has the chance to submit a correction-request and thereby correct the wrongful data (see also section 4.2.11).

|  |
| --- |
| <Notification>          <NotificationEventType>CWMRCV</NotificationEventType>          <NotificationSID>c13210dc-25a1-4e6b-b961-2c01786f2742</NotificationSID>          <Declaration>              <MRN>21DKOSUS711H36XJR7</MRN>              <LRN>CWMRCVNOTIFICATION\_02</LRN>              <SubmitterReferenceNumber>CWMRCVNOTIFICATION\_02</SubmitterReferenceNumber>          </Declaration>          <Error>              <ValidationCode>DKW2012</ValidationCode>          </Error>          <Error>              <ValidationCode>DKW2011</ValidationCode>          </Error>          <Error>              <ValidationCode>DKW2005</ValidationCode>          </Error>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210916082921Z</DateTimeString>          </NotificationCreatedDate>  </Notification> |

There can be multiple warnings sent in the CWMRCV-notification, all given in an <Error>-element. The <ValidationCode>-element contains the warning code indicating what the error is, thereby indicating which data elements should be corrected.

**For a full list of warnings and error codes, see** [**here**](https://github.com/skat/dms-public/tree/master/Onboarding%20Documents)**.**

#### CWMRCV of support function request

After submission of a, e.g., correction/amendment/invalidation/etc., request, the submitter will receive the CWMRCV notification when the request has been received by the system.   
To be able to refer to that request, **an MRN is assigned to the request,** and the request is now considered **an additional message** to the declaration.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMRCV</NotificationEventType>          <NotificationSID>c2159418-5726-4448-8f15-d5a7167d8da2</NotificationSID>          <Declaration>              <MRN>21DK6QXM5OVPTWONR2</MRN>              <LRN>CWMRCVNOTIFICATION\_03</LRN>              <SubmitterReferenceNumber>CWMRCVNOTIFICATION\_03</SubmitterReferenceNumber>          </Declaration>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210916090154Z</DateTimeString>          </NotificationCreatedDate>          <AdditionalMessage>              <MRN>21DKCORFEMO96YDO05</MRN>          </AdditionalMessage>      </Notification> |

In the example above the MRN of the initial declaration, that the request was submitted to, can be seen in the top of the notification, under the <Declaration>-element, whereas the MRN of the additional message/request is given in the <AdditionalMessage>-element.

A way to distinguish which type of request the CWMRCV belongs to is to look at the MRN in the <AdditionalMessage> -element:

* For a CWMRCV notification received from the receival of a **correction/amendment-request**, the MRN will be given as
  + xxxx**COR**xxxxxxxxxxx – the 5th to 7th characters are **‘COR’**
* For a CWMRCV notification received from the receival of an **invalidation-request**, the MRN will be given as
  + xxxx**INV**xxxxxxxxxxx – the 5th to 7th characters are **‘INV’**
* For a CWMRCV notification received from the receival of an **I2/Goods Presentation Notification**, the MRN will be given as
  + xxxx**GPR**xxxxxxxxxxx – the 5th to 7th characters are **‘GPR’**

The MRN of the additional message will also appear in the CWMREJ-notification, if the request is rejected, and in the CWMREQ-notification when, if necessary, Customs has taken position on the request, see more in section 4.2.7 and 4.2.8.

### CWMREJ - Rejection notification

1. CWMREJ of initial submitted declaration

When submitting a standard (IMA) declaration and sequentially receiving a CWMREJ-notification means that there are errors in the submitted declaration that results in the declaration not passing validation. Whether it be breaking a business rule, submitting an invalid code or ID, the CWMREJ-notification contains information on the specifics of the error(s).

|  |
| --- |
| <Notification>          <NotificationEventType>CWMREJ</NotificationEventType>          <NotificationSID>4dcdf061-a884-4fde-a749-91adeddb492f</NotificationSID>          <Declaration>              <MRN>21DKQ9MOLCDPC1QGR8</MRN>              <LRN>CWMREJNOTIFICATION\_01</LRN>              <VersionID>1</VersionID>              <SubmitterReferenceNumber>CWMREJNOTIFICATION\_01</SubmitterReferenceNumber>              <RejectionDateTime>                  <DateTimeString formatCode="304">20210916080304Z</DateTimeString>              </RejectionDateTime>          </Declaration>          <Error>              <ValidationCode>DK1045</ValidationCode>              <ValidationText>Error in "Importer Identification no." (3/16),  when "Additional procedure" (1/11) is F49, the "Importer Identification no" (3/16) must be DK09999981.</ValidationText>              <Pointer>                  <DocumentSectionCode>$.consignmentShipment[?(@.sequenceNumber ==0)].parties[?(@.partyRoleType == IM) ].partyIdentification</DocumentSectionCode>              </Pointer>              <Pointer>                  <DocumentSectionCode>$.consignmentShipment[?(@.sequenceNumber == 0)].goodsItems[?(@.sequenceNumber ==1)].procedureCombination</DocumentSectionCode>              </Pointer>          </Error>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210916080305Z</DateTimeString>          </NotificationCreatedDate>      </Notification> |

As for the CWMRCV-notification with warnings, the CWMREJ-notification also keeps information on the error in the <Error>-element. However, there are a few more elements containing information on where to find the error:

In the example above a business rule was broken. The broken business rule is explained as an error code in <ValidationCode> and error description in <ValidationText>. The <Pointer> -element(s) indicate(s) which data element(s) in the declaration that should be changed for the declaration to be accepted.

**For a full list of error codes**, **see** [**here**](https://github.com/skat/dms-public/tree/master/Onboarding%20Documents)**.**

1. CWMREJ of support function request

Faulty support function requests can also be rejected. As for the CWMREJ-notification of a rejected declaration the errors for the rejection of a support function request are also displayed in the the <Error>-element of the notification.

In the <Error>-element an error code is contained in the <ValidationCode>-element as well as an error description in the <ValidationText>-element, as seen in the example below.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMREJ</NotificationEventType>          <NotificationSID>ea596738-a493-451e-86d4-f0c66d2e639f</NotificationSID>          <Declaration>              <MRN>21DK6QXM5OVPTWONR2</MRN>              <LRN>EM160902</LRN>              <SubmitterReferenceNumber>EM160902</SubmitterReferenceNumber>              <RejectionDateTime>                  <DateTimeString formatCode="304">20210916081418Z</DateTimeString>              </RejectionDateTime>          </Declaration>          <Error>              <ValidationCode>DMS10001</ValidationCode>              <ValidationText>Obligation error: obligation rule not met</ValidationText>          </Error>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210916081419Z</DateTimeString>          </NotificationCreatedDate>          <AdditionalMessage>              <MRN>21DKCORFEMO96YDO05</MRN>          </AdditionalMessage>      </Notification> |

Different from the CWMREJ-notification of the rejection of a declaration, this CWMREJ-notification also contains an <AdditionalMessage>-element, **which gives the MRN of the** <AdditionalMessage**>-element** **from the CWMRCV-notification of the initial submitted supporting function request** (the additional message, see also section 4.2.6.3), so that the submitter can know which submitted support function request has been received and thereafter rejected.

**For a full list of error codes, see** [**here**](https://github.com/skat/dms-public/tree/master/Onboarding%20Documents)**.**

### CWMREQ – Customs position on request notification

When submitting a support function request, the submitter will receive a CWMREQ-notification when their request has been processed, either by the system or a Customs officer.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMREQ</NotificationEventType>          <NotificationSID>9bad72db-c2f3-4966-8419-029120c19058</NotificationSID>          <Declaration>              <MRN>21DKRSYEMQS5OOTGR1</MRN>              <LRN>CWMREQNOTIFICATION</LRN>              <SubmitterReferenceNumber>CWMREQNOTIFICATION</SubmitterReferenceNumber>          </Declaration>          <CustomsPosition>              <ID>1d249c92-4f74-4506-8bec-314232194725</ID>              <Type>GRANTED</Type>          </CustomsPosition>          <NotificationCreatedDate>              <DateTimeString formatCode="304">20210915172540Z</DateTimeString>          </NotificationCreatedDate>          <AdditionalMessage>              <MRN>21DKCORQLZX8POKV08</MRN>          </AdditionalMessage>      </Notification> |

The notification contains information about the custom position in the <CustomsPosition>-element, including the ID of the decision as well as the type of position.

Additionally, the notification contains, as for the CWMREJ-notification (see section 4.2.7), the MRN of both the initial declaration, as well as the MRN of the **additional message** in the <AdditionalMessage>-element, **which gives the MRN of the** <AdditionalMessage>**-element** **from the CWMRCV-notification of the initial submitted supporting function request**.

### CWMRES - Result of request notification

The CWMRES-notification arrives after the declaration has been accepted (received the CWMACC-notification), and only in cases where the goods are presented after lodging the declaration, or when the declaration are amended after acceptance.

When submitting a pre-lodged declaration (IMD), the CWMRES-notification will contain information on all changes the declaration has gone through in the process, e.g., changing type (from IMD to IMA) when goods are presented, changes in or amendment of location of goods, etc.

For a standard (IMA) declaration, the CWMRES-notification will only appear if there is submitted a valid amendment request after acceptance.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMRES</NotificationEventType>          <NotificationSID>ab73bd28-3417-4653-8d86-8b4ec4f65b9e</NotificationSID>          <Declaration>              <MRN>21DKJYMHJEYP3CQDR2</MRN>              <LRN>CWMRESNOTIFICATION</LRN>              <VersionID>3</VersionID>              <SubmitterReferenceNumber>CWMRESNOTIFICATION</SubmitterReferenceNumber>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>1</sequenceNumber>                  <value>24.00</value>                  <pointer>$.consignmentShipment[?(@.sequenceNumber == 0)].goodsItems[?(@.sequenceNumber == 1)].declaredCustomsValue.value</pointer>                  <timestamp/>                  <declarationVersion>1</declarationVersion>              </amendment>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>2</sequenceNumber>                  <value></value>                  <pointer>$.type</pointer>                  <declarationVersion>2</declarationVersion>              </amendment>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>3</sequenceNumber>                  <value>DKFDH</value>                  <pointer>$.consignmentShipment[?(@.sequenceNumber == 0)].locations[?(@.locationRoleType == '14')].locationId</pointer>                  <timestamp/>                  <declarationVersion>2</declarationVersion>              </amendment>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>4</sequenceNumber>                  <value>0003</value>                  <pointer>$.consignmentShipment[?(@.sequenceNumber == 0)].locations[?(@.locationRoleType == '14')].locationAdditionalId</pointer>                  <timestamp/>                  <declarationVersion>2</declarationVersion>              </amendment>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>5</sequenceNumber>                  <value>U</value>                  <pointer>$.consignmentShipment[?(@.sequenceNumber == 0)].locations[?(@.locationRoleType == '14')].locationIdentificationType</pointer>                  <timestamp/>                  <declarationVersion>2</declarationVersion>              </amendment>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>6</sequenceNumber>                  <value>A</value>                  <pointer>$.consignmentShipment[?(@.sequenceNumber == 0)].locations[?(@.locationRoleType == '14')].locationType</pointer>                  <timestamp/>                  <declarationVersion>2</declarationVersion>              </amendment>              <amendment>                  <createdBy>CWM</createdBy>                  <sequenceNumber>7</sequenceNumber>                  <value>DK</value>                  <pointer>$.consignmentShipment[?(@.sequenceNumber == 0)].locations[?(@.locationRoleType == '14')].physicalAddress.countryCode</pointer>                  <timestamp/>                  <declarationVersion>2</declarationVersion>              </amendment>          </Declaration>          <IssueDateTime>              <DateTimeString formatCode="304">20210922115010Z</DateTimeString>          </IssueDateTime>      </Notification> |

The <amendment>-element gives insight to which changes the declaration has gone through in the process.

In the example above, the pre-lodged declaration has gone through a correction before goods presentation, taking the declaration from <VersionID> from 1 to 2. Thereafter the goods have been presented, and the location of the goods have been added to the declaration during goods presentation, taking the declaration <VersionID> from 2 to 3.

|  |  |
| --- | --- |
| **Element name** | **Description** |
| **Amendment** |  |
| createdBy | The system that created the amendment |
| sequenceNumber | Number uniquely identifying the amendment object |
| Value | The updated value of the amended/corrected data element |
| Pointer | Pointer indication the amended/corrected element |
| declarationVersion | The version number of the declaration that was amended/corrected |

### CWMTAX - Customs debt notification

When submitting a declaration, the submitter is notified by the CWMTAX-notification that a calculation of customs debt has been done. The CWMTAX-notification appears after the initial submission of a declaration, which for a standard (IMA) declaration is the final calculation (unless amendments are requested and granted for the customs value of a goods item), and for a pre-lodged (IMD) declaration it is only a preliminary calculation – there will be a recalculated customs debt when goods are presented, and the CWMTAX-notification will be sent from the system again.

|  |
| --- |
| <Notification>          <NotificationEventType>CWMTAX</NotificationEventType>          <NotificationSID>685eefec-f413-425d-a055-927856d36993</NotificationSID>          <Declaration>              <MRN>21DKRSYEMQS5OOTGR1</MRN>              <LRN>CWMTAXNOTIFICATION</LRN>              <VersionID>1</VersionID>              <SubmitterReferenceNumber>CWMTAXNOTIFICATION</SubmitterReferenceNumber>              <DutyTaxFee>                  <Payment>                      <ReferenceID>DK19552101:1</ReferenceID>                      <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                      <TaxAssessedAmount>0</TaxAssessedAmount>                  </Payment>              </DutyTaxFee>              <GoodsShipment>                  <GovernmentAgencyGoodsItem>                      <SequenceNumeric>1</SequenceNumeric>                      <Commodity>                          <DutyTaxFee>                              <Payment>                                  <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                                  <TaxAssessedAmount currencyID="DKK">75.1</TaxAssessedAmount>                              </Payment>                              <SpecificTaxBaseQuantity unitCode="DKK">301</SpecificTaxBaseQuantity>                              <DeductAmount currencyID="DKK">0</DeductAmount>                              <TaxRateNumeric>25.0</TaxRateNumeric>                              <TypeCode>B00</TypeCode>                          </DutyTaxFee>                      </Commodity>                  </GovernmentAgencyGoodsItem>              </GoodsShipment>          </Declaration>          <IssueDateTime>              <DateTimeString formatCode="304">20210915172600Z</DateTimeString>          </IssueDateTime>      </Notification> |

As can be seen on the example above, the notification contains information of the payment under the </Declaration>-element and the </GovernmentAgencyGoodsItem>-element, each having slightly different sub-elements.

|  |  |
| --- | --- |
| Element name | Description |
| **Declaration** | Information on the payment for the entire declaration |
| **DutyTaxFee** | DutyTaxFee captures Duty/Tax/Fee data of a particular duty/tax/fee type |
| **Payment** | This element contains information on a given payment |
| ReferenceID | Payment ID |
| PaymentAmount | The actual amount paid, or to be paid for all items in the declaration, rounded down to one digit. |
| TaxAssessedAmount | Assessed amount of duty/tax/fee (includes all types of charges and duties). Assessed per duty/tax/fee type by declaration. |
| **GoodsShipment** | GoodsShipment captures the data of the shipment of the goods belonging to one particular consignment crossing the border of the Customs area |
| **GovernmentAgencyGoodsItem** | Information on the payment for the specific goods item |
| SequenceNumeric | The number of the goods item as given on the submitted declaration. |
| **Commodity** | Details about the properties of the goods |
| **DutyTaxFee** | DutyTaxFee captures Duty/Tax/Fee data of a particular duty/tax/fee type |
| **Payment** | This element contains information on the base of the calculation of a given payment |
| PaymentAmount | The actual amount paid, or to be paid for the specific item, rounded down to one digit. |
| TaxAssessedAmount | Assessed amount of duty/tax/fee (includes all types of charges and duties). Assessed per duty/tax/fee type by item |
| SpecificTaxBaseQuantity | The quantity on which a duty or tax or fee will be assessed (FreightChargeAmount + CustomsValueAmount) |
| DeductAmount | Amount of relief applicable from a duty or tax |
| TaxRateNumeric | Rate of duty or tax or fee applicable to commodities or of tax applicable to services (25.00 = 25%) |
| TypeCode | Code for type of tax to be applied (eg., B00 is VAT) |
| IssueDateTime | The time of creation of the notification. The same as *NotificationCreatedDate* |

### Error codes and warnings

When filling out the data elements for submitting a declaration, errors can happen.

If there are errors when submitting a standard declaration (IMA) **the declaration will be rejected and a CWMREJ-notification will be sent with error codes indication the error in the declaration** (see section 4.2.7)**.** The declaration should then be resubmitted by using the submission XML (the LRN can be reused in this case) with the corrected content in the data elements.

When submitting a pre-lodged declaration (IMD) with errors the declaration will not immediately be rejected – **instead the errors will be presented as warnings and sent in the CWMRCV-notification** (see section 4.2.6). This provides a chance to **correct the declaration before the goods are presented** (see section 3.2)**.** If the errors are not corrected before the presentation of goods, the declaration will be rejected when the goods are presented, and the declaration will have to be resubmitted as for a standard declaration (IMA).

However, a warning is not always an error, it can also just be a warning about restrictions on commodity codes or other relevant information to be aware of in the declaration.

The way to distinguish a warning code from an error code, besides looking at the type of declaration (IMA or IMD), is that warnings are given on the form **DKWxxxx**, whereas error codes are on the format **DKxxxx, CWMxxxxxx, DMSxxxxxx,** etc.

The warning and error codes, and their descriptions can be found in this document on Github [**here**](https://github.com/skat/dms-public/tree/master/Onboarding%20Documents)**.**

# Error handling

## Rejected declaration

How to handle a rejected declaration depends on the reason it was rejected. The error is described in the CWMREJ-notification (see section 4.2.7), indicating what rule was broken, or which invalid data was entered in the declaration. **Only** **standard (IMA) declarations will be instantly rejected. Pre-lodged (IMD) declarations will receive warnings in CWMRCV-notification (see section 4.2.6.2).**

If the error(s) occurred from the submitter’s end the declaration can be resubmitted when the invalid data has been corrected. The LRN can be reused until the declaration is rightfully accepted (has received the CWMACC-notification, see section 4.2.3).

If the error(s) occur due to system downtime or issues, the declarations can end up being rejected as well. If system downtime is not announced on [**‘Driftsmeddelelser’**](https://skat.dk/skat.aspx?oid=17468), the main system, or one of the external systems might be down, and the declaration data cannot be properly validated, resulting in rejected declarations. In this case contact [**TOLDST Servicedesk**](https://skat.dk/skat.aspx?oid=2300042) with information on the rejected declaration(s).   
In this case, when the system running again, the declarations should be resubmitted. The LRN(s) can be reused until the declaration(s) are accepted (has received the CWMACC-notification, see section 4.2.3).

## Missing notifications

Sometimes the user does not receive the expected notifications. Below are sections describing some common scenarios to be aware of, and how to handle them.

### No CWMCLE notification

Sometimes it happens that certain declarations do not go through to clearance (they do not get the CWMCLE-notification) and is “stuck” in the flow after the CWMTAX-notification.   
Almost always, the reason for that is that there is a manual work task for ‘manual cash payment’ pending for a customs officer to handle. This will occur in the following scenarios:

* **The declarant is a private person:** the EORI number in 3/18 – Declarant ID is **‘DK09999981’** and 1/11 – Additional Procedure is **‘C07’**.
* **The declarant is not registered for import with deferred payment:** the EORI number in 3/18 – Declarant ID is not registered for deferred payment.

In these cases, the declaration has to be manually handled and can only get clearance when the manual cash payment task has been handled.   
Unfortunately, there is currently no notification stating that the declaration has a manual cash payment pending but there is a way to see it in the CWMTAX-notification (see also section 4.2.10):

For a **non-manual cash payment** declaration, the CWMTAX-notification will look as follows:

|  |
| --- |
| <Notification>          <NotificationEventType>CWMTAX</NotificationEventType>          <NotificationSID>685eefec-f413-425d-a055-927856d36993</NotificationSID>          <Declaration>              <MRN>21DKRSYEMQS5OOTGR1</MRN>              <LRN>CWMTAXNOTIFICATION</LRN>              <VersionID>1</VersionID>              <SubmitterReferenceNumber>CWMTAXNOTIFICATION</SubmitterReferenceNumber>              <DutyTaxFee>                  <Payment>                      <ReferenceID>DK19552101:1</ReferenceID>                      <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                      <TaxAssessedAmount>0</TaxAssessedAmount>                  </Payment>              </DutyTaxFee>              <GoodsShipment>                  <GovernmentAgencyGoodsItem>                      <SequenceNumeric>1</SequenceNumeric>                      <Commodity>                          <DutyTaxFee>                              <Payment>                                  <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                                  <TaxAssessedAmount currencyID="DKK">75.1</TaxAssessedAmount>                              </Payment>                              <SpecificTaxBaseQuantity unitCode="DKK">301</SpecificTaxBaseQuantity>                              <DeductAmount currencyID="DKK">0</DeductAmount>                              <TaxRateNumeric>25.0</TaxRateNumeric>                              <TypeCode>B00</TypeCode>                          </DutyTaxFee>                      </Commodity>                  </GovernmentAgencyGoodsItem>              </GoodsShipment>          </Declaration>          <IssueDateTime>              <DateTimeString formatCode="304">20210915172600Z</DateTimeString>          </IssueDateTime>      </Notification> |

And for a **manual cash payment** declaration, the CWMTAX-notification will look as follows:

|  |
| --- |
| <Notification>          <NotificationEventType>CWMTAX</NotificationEventType>          <NotificationSID>685eefec-f413-425d-a055-927856d36993</NotificationSID>          <Declaration>              <MRN>21DKRSYEMQS5OOTGR1</MRN>              <LRN>CWMTAXNOTIFICATION</LRN>              <VersionID>1</VersionID>              <SubmitterReferenceNumber>CWMTAXNOTIFICATION</SubmitterReferenceNumber>              <DutyTaxFee>                  <Payment>                      <ReferenceID>af2c8a94-e617-11eb-a177-1eb09731c923</ReferenceID>                      <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                      <TaxAssessedAmount>0</TaxAssessedAmount>                  </Payment>              </DutyTaxFee>              <GoodsShipment>                  <GovernmentAgencyGoodsItem>                      <SequenceNumeric>1</SequenceNumeric>                      <Commodity>                          <DutyTaxFee>                              <Payment>                                  <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                                  <TaxAssessedAmount currencyID="DKK">75.1</TaxAssessedAmount>                              </Payment>                              <SpecificTaxBaseQuantity unitCode="DKK">301</SpecificTaxBaseQuantity>                              <DeductAmount currencyID="DKK">0</DeductAmount>                              <TaxRateNumeric>25.0</TaxRateNumeric>                              <TypeCode>B00</TypeCode>                          </DutyTaxFee>                      </Commodity>                  </GovernmentAgencyGoodsItem>              </GoodsShipment>          </Declaration>          <IssueDateTime>              <DateTimeString formatCode="304">20210915172600Z</DateTimeString>          </IssueDateTime>      </Notification> |

The main difference between these two notifications can be found in the **Payment-**segment on the declaration level:   
  
**Non-manual cash payment:**

|  |
| --- |
| <DutyTaxFee>                  <Payment>                      <ReferenceID>DK19552101:1</ReferenceID>                      <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                      <TaxAssessedAmount>0</TaxAssessedAmount>                  </Payment>              </DutyTaxFee> |

**Manual cash payment:**

|  |
| --- |
| <DutyTaxFee>                  <Payment>                      <ReferenceID>af2c8a94-e617-11eb-a177-1eb09731c923</ReferenceID>                      <PaymentAmount currencyID="DKK">75.1</PaymentAmount>                      <TaxAssessedAmount>0</TaxAssessedAmount>                  </Payment>              </DutyTaxFee> |

Notice that when there is a manual cash payment pending on the declaration, an UUID will be given in the <ReferenceID>-element instead of the Declarant ID.   
This is how one can ascertain if a declaration has a pending manual cash payment for a Customs officer to handle as the reason why it does not automatically go through to clearance and receives a CWMCLE-notification.

### No CWMTAX notification

There will be certain scenarios where a declaration does not trigger a CWMTAX-notification. The cases where this is the case is when:

* **The submitted declaration contains an IOSS number**
* **The data element 1/11 – Additional procedure is C08 (except for tobacco, alcohol, perfume and toilet water)**

### No CWMRCV notification/No notifications

The user should always be able to pull notifications from a given time interval. If the user keeps getting empty notifications for a correct time interval, it might be due to system downtime. If system downtime is not announced on [**‘Rullen’**](https://skat.dk/skat.aspx?oid=17468)**,** the main system, or one of the external systems might be down, and the declaration data cannot properly be received by the system. In this case contact [**TOLDST Servicedesk**](https://skat.dk/skat.aspx?oid=2300042)with information on the declaration(s) with missing notifications.   
In this case, when the system running again, the declarations should be resubmitted. The LRN(s) can be reused until the declaration(s) are accepted (has received the CWMACC-notification, see section 4.2.3).

# Getting access

As mentioned Toldsystemet can be accessed either via S2S integration of using the systems UI – the Trader portal. Regardsless of which access is required a prerequisite is that an agreement of access has been granted by Toldstyrelsen.

For both UI and S2S access you will initially get access to the test-environment called TFE – Test For Erhverv which can be used for preparing for production before going live on the production environment.

## Trader portal

Once an agreement of access is in place, login to the trader portal requires that the employee, who need access, has a personal employee certificate (Medarbejdercertifikat – MOCES) as login is handled through NemId. It is the LRA (Local Rights Administrator) of the economic operator that can grant roles to the employees who need access. Roles are managed on TastSelv Erhverv here: [skat.dk/tastselverhverv](../Collaboration/Tekniske%20dokumenter/skat.dk/tastselverhverv)  
  
[**On Github we have a guide that explains how roles are assigned to the employees.**](https://github.com/skat/dms-public/blob/master/Onboarding%20Dokumenter/VejledningRollerTilTP.docx) The guide is in Danish.

Once the roles are assigned the employee can login. The URLs are:  
  
TFE-environment - <https://tfe.toldsystemet.toldst.dk/swp.trader.customs>

PROD-environment - <https://toldsystemet.toldst.dk/swp.trader.customs>  
 *Add links to usermanual, clickguides and other onboarding material when provided.*

## System to system

A system certificate is required in order to get access to the AS4 Gateway. Our [**Connectivity Guide found on Github**](https://github.com/skat/dms-public/blob/master/Onboarding%20Dokumenter/ConnectivityGuide.docx) explains in detail how the connectivity to the AS4-gateway is enabled.

The system certificate also needs to be granted the right roles. It is the LRA (Local Rights Administrator) of the economic operator that can grant roles to the employees who need access. Roles are managed on TastSelv Erhverv here: [skat.dk/tastselverhverv](../Collaboration/Tekniske%20dokumenter/skat.dk/tastselverhverv)

[**On Github we have a guide that explains how roles are assigned to a system certificate.**](https://github.com/skat/dms-public/blob/master/Onboarding%20Dokumenter/VejledningRollerTilTP.docx) The guide is in Danish.

# Verifying functionality

For verifying the functionality of the declaration types and supporting functions, as well as the ability to requests and receive notifications, we advice that you follow the [Basic Test cases](https://skat.github.io/dms-public/test-data/) found on Github.

# Appendix

## Flow of declarations, and related notifications

This section describes which notifications the system produces, and when in the flow the notification is produced.

The diagrams in the coming sections follow the annotation shown on Figure 8.1.1

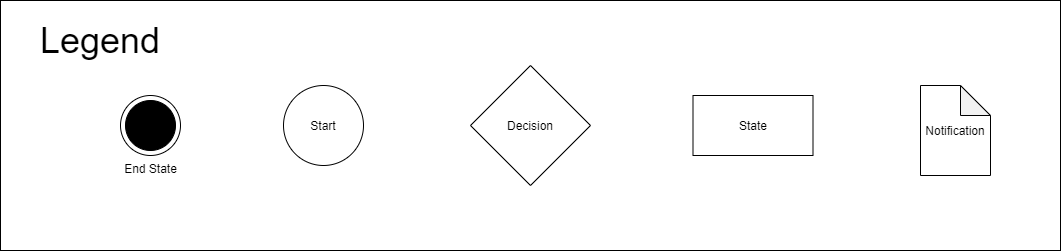


Figure 8.1.1 – Overview of diagram notation.

The End State represents a state where the flow is terminated in some respect and will no longer continue. An End State can trigger a notification in some cases, in most cases an End State signifies that the declaration was rejected, accepted, or converted to another flow.

The Start State signifies the start point of a flow, therefore there are only transitions out of a Start State, and it is not possible to return, in technical terms. The state is the first state from which it is possible for the system to issue notifications which the notification service can retrieve, meaning that it is past the semantic validation in Axway.

A Decision State is a state from which it is possible to take one of many transitions, only one transition will be used, and each transition out of the Decision State will be clearly labelled with the conditions necessary to take that transition. Most Decision States relate to a significant analysis performed in the flow, such as validation.

A State is the simplest construct in that it only offers one transition out, which means that transition will always be taken.

A Notification, signified by the paper symbol, is not a state it is therefore not possible to transition into a Notification. An arrow from any of the other symbols in the diagram to a Notification signifies that that symbol will issue a Notification which can be retrieved by the Notification service.

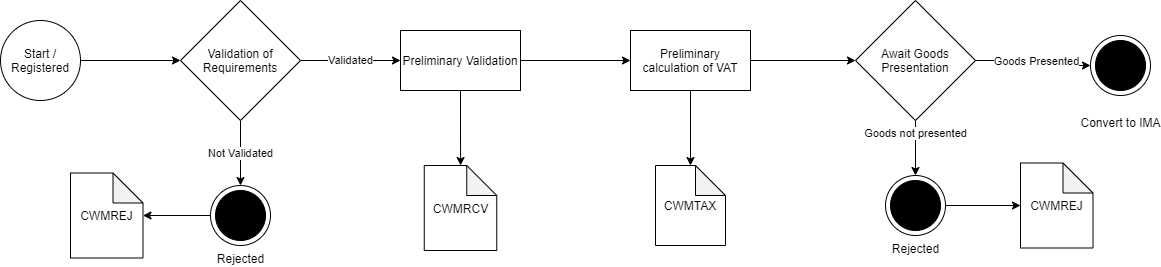
### H7 Notification flows

1. Submission

There are two of declarations to submit: a standard declaration and a pre-lodged declaration. When the goods are presented to an IMD declaration, it will turn into an IMA declaration and go through the IMA notification flow

##### Pre-lodged IMD

The flow for IMD (pre-lodged declarations) is shown below in Figure 8.1.1.1.1.



**Figure 8.1.1.1.1 – The flow for an IMD declaration. The provided notifications for each state are shown by the paper symbol.**

|  |  |  |
| --- | --- | --- |
| Title | Code | Description |
| Declaration Accepted Notification | CWMRCV | The submitted declaration is received. |
| Customs Debt Trader Notification | CWMTAX | Notification of customs debt |
| Declaration Rejection Notification | CWMREJ | Declaration has been rejected |

An IMD declaration is pre-lodged which means that information about the declaration is sent to the system before the declaration has arrived in the country. An IMD therefore also has preliminary validations and calculations of VAT. The IMD declaration is converted to an IMA when a goods presentation declaration has been declared. From this point the declaration therefore follows the just presented IMA declaration and will therefore also produce the same notifications. To sum up, will an IMD declaration both have preliminary validation and calculation of VAT and a finale validation and calculation of VAT.

##### Standard IMA

The flow for IMA (standard declarations) is shown below in Figure 8.1.1.1.2.

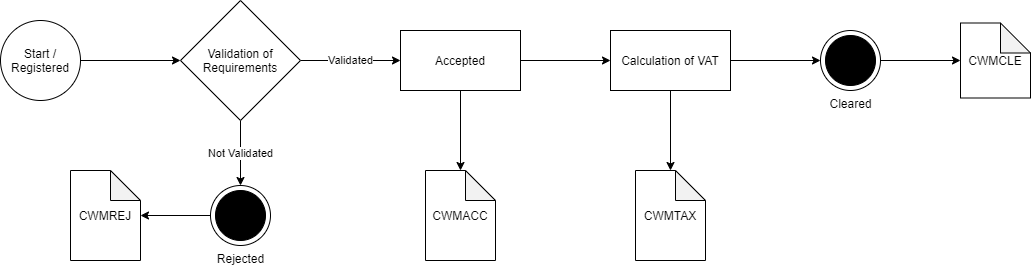


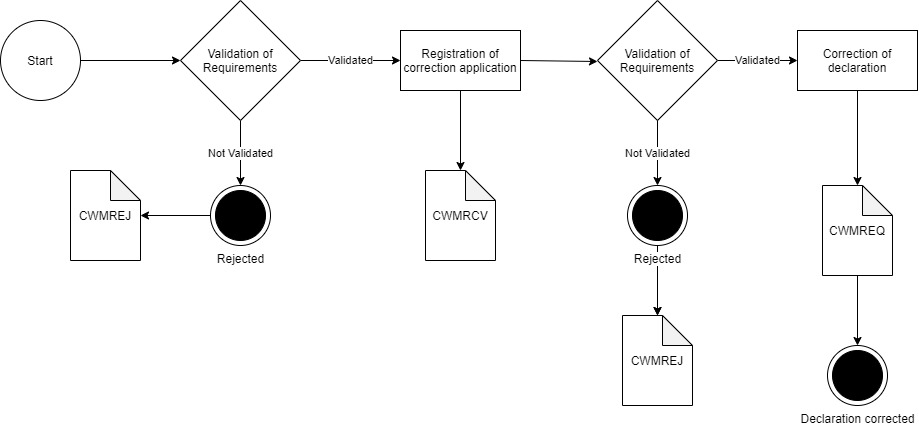
Figure 8.1.1.1.2 – The flow for an IMA declaration. The provided notifications for each state, are shown by the paper symbol.

As shown in the diagram, an IMA declaration, can generate the following notifications:

|  |  |  |
| --- | --- | --- |
| Title | Code | Description |
| Declaration Accepted Notification | CWMACC | The submitted declaration is accepted. |
| Customs Debt Trader Notification | CWMTAX | Notification of customs debt |
| Declaration Clearance Notification | CWMCLE | Procedure is accepted and goods can be released. |
| Declaration Rejection Notification | CWMREJ | Declaration has been rejected |

1. Correction

Flow for Correction of a declaration is shown in Figure 8.1.1.2.

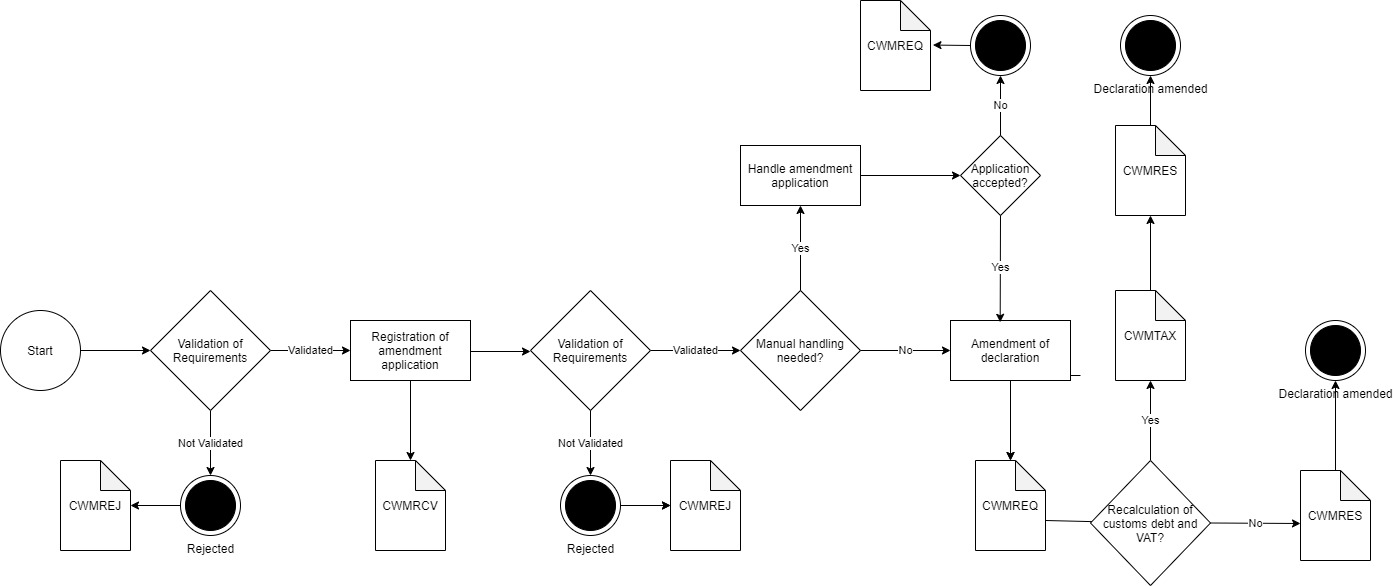


**Figure 8.1.1.2 – the flow for a Correction**

|  |  |  |
| --- | --- | --- |
| Title | Code | Description |
| Declaration Accepted Notification | CWMRCV | The submitted correction application is received. |
| Declaration Rejection Notification | CWMREJ | Correction application has been rejected. |
| Customs Position on Message Notification | CWMREQ | Decision on correction application. |

1. Amendment

Flow for Amendment of a declaration is shown in Figure 8.1.1.3.

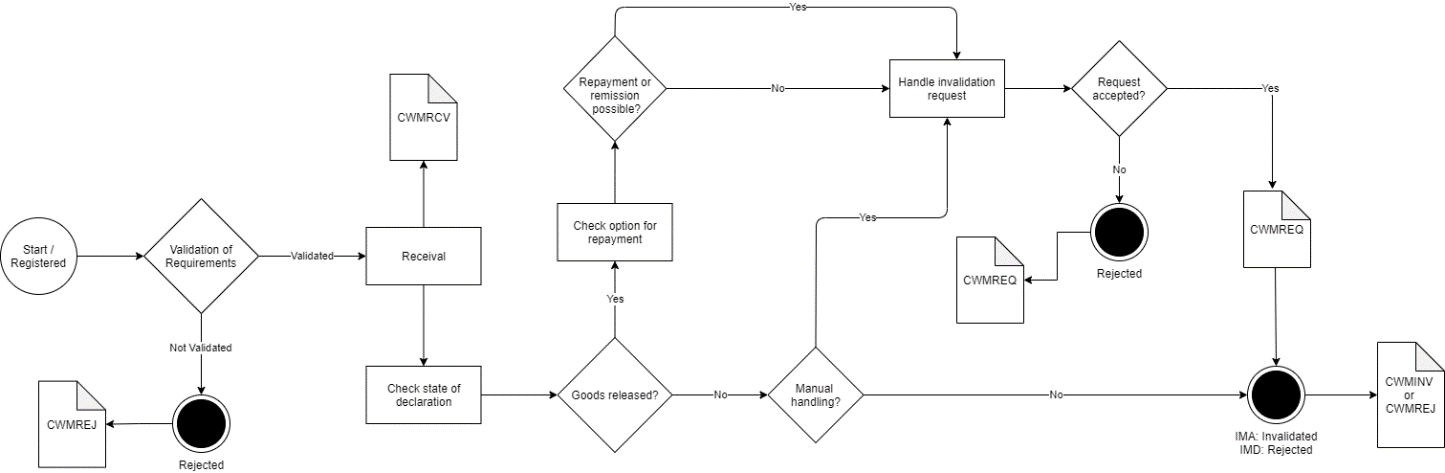


**Figure 8.1.1.3 – the flow for an Amendment**

|  |  |  |
| --- | --- | --- |
| Title | Code | Description |
| Declaration Accepted Notification | CWMRCV | The submitted amendment application is received. |
| Declaration Rejection Notification | CWMREJ | Amendment application has been rejected. |
| Customs Position on Message Notification | CWMREQ | Decision on amendment application. |
| Customs Debt Trader Notification | CWMTAX | Notification of customs debt |
| Corrected Declaration Notification | CWMRES | The result of the amendment to the declaration |

1. Invalidation

The flow for Invalidation of an IMD (pre-lodged declaration) is shown below in Figure 8.1.1.4.

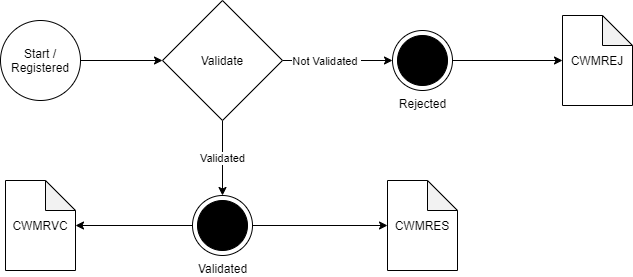


**Figure 8.1.1.4 – the flow for an Invalidation**

|  |  |  |
| --- | --- | --- |
| Title | Code | Description |
| Declaration Accepted Notification | CWMRCV | The submitted invalidation application is received. |
| Declaration Rejection Notification | CWMREJ | Invalidation application has been rejected. |
| Customs Position on Message Notification | CWMREQ | Decision on invalidation application. |
| Declaration Invalidation Notification | CWMINV | Invalidation of IMD declaration. |

1. I2 – Goods presentation

The flow for an I2 Presentation Notification flow is shown below in Figure 8.1.1.5.



**Figure 8.1.1.5 – Flow for an I2 Presentation Notification**

|  |  |  |
| --- | --- | --- |
| Title | Code | Description |
| Declaration Accepted Notification | CWMRCV | The submitted I2 is received. |
| Declaration Rejection Notification | CWMREJ | Declaration has been rejected. |
| Corrected Declaration Notification | CWMRES | The result of the correction to the declaration the I2 was submitted against. |

## Overview of notification types and data elements

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Element name** | **CWMACC** | **CWMCLE** | **CWMINV** | **CWMRCV** | **CWMREJ** | **CWMREQ** | **CWMRES** | **CWMTAX** | **Notes** |
| NotificationEventType | x | x | x | x | x | x | x | x | The type of notification |
| NotificationSID | x | x | x | x | x | x | x | x | The unique UUID of the specified notification |
| **Declaration** | x | x | x | x | x | x | x | x | Information about the declaration |
| MRN | x | x | x | x | x | x | x | X | The MRN of the declaration |
| LRN | x | x | x | x | x | x | x | x | The LRN of the declaration |
| SubmitterReferenceID | x | x | x | x | x | x | x | x | The submitter reference number of the declaration |
| VersionID | x | x |  |  | x | x | x | x | The version number of the declaration |
| AcceptanceDateTime | x |  |  |  |  |  |  |  | Acceptance date of the declaration |
| NotificationCreatedDate | x |  | x | x | x | x |  | x | Creation date of the notification |
| IssueDateTime |  | x |  |  |  |  | x | x | Creation date of the notification |
| RejectionDateTime |  |  |  |  | x |  |  |  | Rejection date of the declaration or request |
| **AdditionalInformation** |  | x | x |  |  |  |  |  | **CWMINV:**  Used to convey the reason of the customs position, and any observations found during control  **CWMCLE**  Used to specify the overall control result, the reason of the customs position, and any observations found during control |
| StatementCode |  | x | x |  |  |  |  |  | **CWMCLE (Statementype ‘AFB’):**  The overall control result  **CWMINV:**  Encoded reason for invalidation |
| StatemantTypeCode |  | x | x |  |  |  |  |  | **CWMCLE, CWMINV:**  ‘AFB’: Customs position motivation |
| **AdditionalMessage** |  |  | x | x | x | x |  | x | Information on the additional message |
| MRN |  |  | x | x | x | x |  | x | MRN of the additional message  **Correction/amendment:**  The MRN will begin with xxxxCORxxxx…  **Invalidation/Invalidation and repayment:**  The MRN will begin with xxxxINVxxxx…  **Goods presentation:**  The MRN will begin with xxxxGPRxxxx… |
| **Amendment** |  |  |  |  |  |  | x |  | Information on the amendment of the declaration |
| createdBy |  |  |  |  |  |  | x |  | The system name that created the amendment |
| sequenceNumber |  |  |  |  |  |  | x |  | Number uniquely identifying the amendment object at declaration level |
| Value |  |  |  |  |  |  | x |  | The updated value of the amendment |
| Pointer |  |  |  |  |  |  | x |  | Pointer indicating the amended element |
| declarationVersion |  |  |  |  |  |  | x |  | The version of the declaration that was amended on |
| **CustomsPosition** |  |  |  |  |  | x |  |  | Information on the customs position taken on submitted request |
| ID |  |  |  |  |  | x |  |  | The customs position ID |
| Type |  |  |  |  |  | x |  |  | Type of customs position |
| **Error** |  |  | x |  | x |  |  |  | Information on errors on the declaration |
| ValidationCode |  |  | x |  | x |  |  |  | Error code |
| ValidationText |  |  | x |  | x |  |  |  | Error description |
| **Pointer** |  |  |  |  | x |  |  |  | Pointer indicating where the error occured |
| Document-  SectionCode |  |  |  |  | x |  |  |  | The XPATH to the element that does not satisfy the validation rules |
| **DutyTaxFee** |  |  |  |  |  |  |  | x | Contains data about the tax, duty or other fees of a particular duty/tax/fee type |
| **Payment** |  |  |  |  |  |  |  | x | Details about the payment |
| ReferenceID |  |  |  |  |  |  |  | x | In case of cash payment, this will be the reference ID to the payment.  For non-cash payments it will contain the EORI-number of the party responsible for the payment. |
| PaymentAmount |  |  |  |  |  |  |  | x | The duty/tax/fee amount which is assumed to be paid |
| TaxassedAmount |  |  |  |  |  |  |  | x | The tax assessed amount |
| **GoodsShipment** |  |  |  |  |  |  |  | x | Contains the data of the shipment of the goods belonging to one particular consignment crossing the border of the Customs area |
| **GovernmentAgencyGoodsItem** |  |  |  |  |  |  |  | x | Stores the data about the goods item as declared to Customs |
| SequenceNumeric |  |  |  |  |  |  |  | x | The sequence number of the GovernmentAgencyGoodsItem |
| **Commodity** |  |  |  |  |  |  |  | x | Details about the properties of the goods |
| **DutyTaxFee** |  |  |  |  |  |  |  | x | Contains data about the tax, duty or other fees of a particular duty/tax/fee type |
| SpeceficTaxBase-  Quantity |  |  |  |  |  |  |  | x | The actual base (monetary amount or discrete quantity) on which the Duty/Tax/Fee is founded |
| DeductAmount |  |  |  |  |  |  |  | x | The amount of relief applicable to the duty/tax/fee amount |
| TaxRateNumeric |  |  |  |  |  |  |  | x | Percentage rate of duty/tax/fee |
| TypeCode |  |  |  |  |  |  |  | x | Type of tax |
| **Payment** |  |  |  |  |  |  |  | x | Details about the payment |
| PaymentAmount |  |  |  |  |  |  |  | x | Tax assessed minus suspended and transferred amounts for DutyTaxFee |
| TaxAssessed-  Amount |  |  |  |  |  |  |  | x | The calculated DutyTaxFee amount including relief and adjustments |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

#Decorative

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