TEST CASE – D2 STANDARD

Version: 1.2

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Document history

Version	Date	Author	Status	Comments
0.1	09-03-2023	Alexander Vejling Sennefelder	Draft	Original Draft
1.0	17-03-2023	Lukas Martin Wick	Finalized	Reviewed and finalized
1.1	11-05-2023	Alexander Vejling Sennefelder	Updated	Updates test scenarios and test case steps
1.2	07-02-2024	Alexander Tholle	Updated	Updated entire testcase

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1 Pre-conditions

To complete the functional test case for "D2 Standard", the company must have an established connection to the AS4-gateway, and have a functioning system user to DMS Transit, see Connectivity Guide & System Guide.

Furthermore, ensure that you for this test case have the correct URLs, Services, and Actions, as seen below. In place of {CVR} and {UID}, fill out your own CVR and UID in the URLs below. While the URLs and Services are the same for all the test cases, the Actions however, will change depending on the test case you are performing, please keep an eye out that you have the correct Action for the test case in hand.

To submit the XML for this test case, use the following endpoint:

URL	UFE Service	TFE Service	Action
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_{CVR}_ UID_{UID}	DMS.Transit2	DMS.Transit	Declaration.Submit

For retrieving the notification, use the following endpoint:

URL	UFE Service	TFE Service	Action
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_{CVR}_ UID_{UID}	DMS.Transit2	DMS.Transit	Notification

1.1 Authorisation

To be able to complete the test cases using the provided guarantees of type 0 and 1 for the test case the authorisation **C505 (CGU - Comprehensive Guarantee)** is required. This is a "Comprehensive Guarantee" for customs transit including possible reduction or exemption. Formal name is *Authorisation for the provision of a comprehensive guarantee, including possible reduction or waiver (Column 4a, Annex A of Delegated Regulation (EU) 2015/2446)*.

If you lack this authorization, you can use guarantees of type 2 which are single use and have a predefined office of departure and destination. Please reach out to us on Toolkit if you require any guarantees or authorisations for testing.

This testcase covers the flow for a standard procedure. If you want to test the flow for a simplified procedure, you will also require a **C521** authorisation (**ACR – Authorisation for status of authorised consignor**).

1.2 Process flow

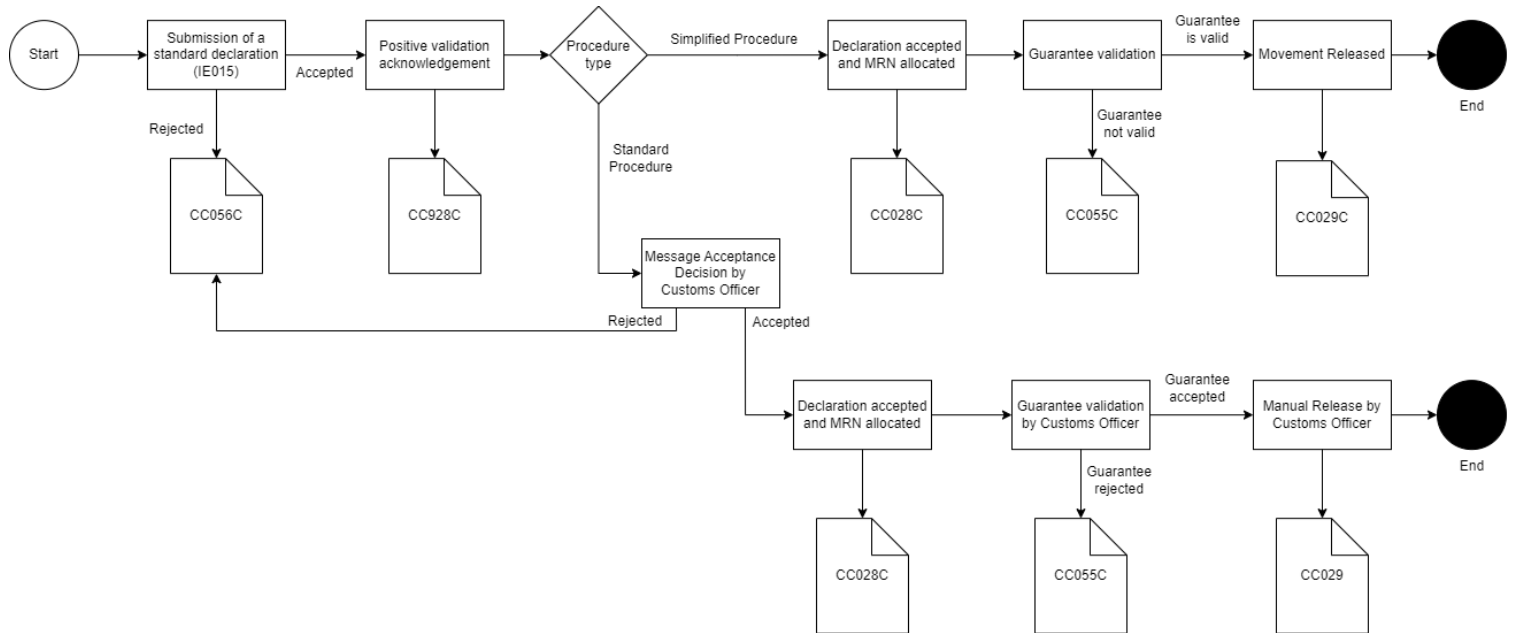The process flow for a D2 standard declaration can be seen in Figure 1 below including both procedure types:

Figure 1 – Process flow for D2 Standard, for both procedure types

2 Test Scenarios

To complete this test case, test scenario 1 and 2 must be passed successfully. Descriptions and specifics for each test can be found in the coming sections. Be sure to go through the scenarios thoroughly. It is recommended that you use the attached files to test the notifications.

Test no.	Test scenario	Passed/Failed
1	Submit D2 – Standard declaration, which is accepted	☐
2	Submit D2 – Standard declaration, which is rejected	☐

2.1 Description of test scenarios

The following sections will describe the aim of each specific scenario and provide the desired results of the test scenarios.

The purpose of the test scenarios is to ensure your connection to the system, and that you as a company can receive the correct notifications when sending in XMLs. Each step describes what you need to do when going through the test case. An XML for the standard declaration is made available in the same folder where you found this test case document. This can be changed according to the test scenario. We recommend using the prepared XML(s) for this test case.

2.2 Test scenario 1 – Acceptance

The aim of this scenario is to get a notification that the D2 Standard XML has been accepted and that the movement has been released. This scenario follows the flow for the standard procedure, as the test case example does not include an ACR authorisation. Each task for the customs officer may take time, so do not expect notifications being returned instantly.

The following table shows the necessary test steps for completing this scenario as well as expected results. For the first step it is recommended using the provided declaration XML found in the **Test Case** folder. Secondly, make sure that your **LRN** is unique, and that the following fields are correctly filled with the information of your own company: **messageSender** (CVR)**, LRN** (12 09 000 000)(a unique identification number), **HolderOfTheTransitProcedure (**13 07 000 000) (EORI-number)**, Guarantee.guaranteeType** (99 02 001 000)**, GRN** (99 03 069 000) and **accessCode** (99 03 070 000). You should use the test guarantee provided in the welcome letter. Furthermore, you should reference your company's authorisation of type C505 (CGU) and C524 (TRD) in separate instances of the field **Authorisation.referenceNumber** (12 12 001 000).

Step no.	Description of steps	Expected result	Passed
1	Use the provided "Test Case – D2 Standard Acceptance" XML found in the test case folder (remember to replace the fields containing placeholders **{{ }}** and make sure **messageSender, LRN, HolderOfTheTransitProcedure, Guarantee, Authorisation.referenceNumber** are correct for your company.	You should have the test **XML** ready for the next step	☐
2	Check the XML with information from section 2.2.1 with data that ensures a proper D2 flow	Element should resemble section 2.2.1	
3	Submit the declaration using the conditions found under Pre-conditions	The declaration should be sent to the system	☐
4	Pull the notifications	You should be able to pull notifications from the system	☐
5	Successfully passed validation by receiving the **CC928C** notification.	Receive notification **CC928C**	☐
6	Acceptance of declaration by receiving the **CC028C** notification. *This may require an additional pull of notifications*	Receive notification **CC028C**	☐
7	A control task should be performed by a customs officer Guarantee then needs to be accepted by a customs officer	Control and Guarantee is accepted	☐
8	After guarantee acceptance there is a manual release to be performed by a customs officer	Your goods should be released for transit	☐
9	Pull notifications	You should receive notifications	☐
10	Release of movement by receiving the **CC029C** notification	Receive notification **CC029C** and pass the test	☐

2.2.1   XML example

Ensure that the following XML examples matches what is in your XML, for this test to be a proper D2 flow.
reducedDatasetIndicator must be '1'

```xml
<TransitOperation>
    <LRN>{{LRN}}</LRN>
    <declarationType>T1</declarationType>
    <additionalDeclarationType>A</additionalDeclarationType>
    ...
    <reducedDatasetIndicator>1</reducedDatasetIndicator>
    ...
</TransitOperation>
```

2.3 Test scenario 2 – Rejection

The aim of this scenario is for the EO to get a notification that the D2 Standard XML has been rejected.

The following table shows the necessary test steps for completing this scenario as well as expected results. For the first step it is recommended using the provided declaration XML found in the **Test Case** folder. Secondly, make sure that your **LRN** is unique, and that the following fields are correctly filled with the information of your own company: **messageSender** (CVR), **LRN** (12 09 000 000)(a unique identification number), **Guarantee.guaranteeType** (99 02 001 000), **GRN** (99 03 069 000) and **accessCode** (99 03 070 000). You should use the test guarantee provided in the welcome letter. Furthermore, you should reference your company's authorisation of type C505 (CGU) and C524 (TRD) in separate instances of the field **Authorisation.referenceNumber** (12 12 001 000).

Step no.	Description of steps	Expected result	Passed
1	Use the provided "Test Case – D2 Standard Acceptance" XML found in the test case folder (remember to replace the fields containing placeholders **{{ }}** and make sure **messageSender, LRN, Guarantee, Authorisation.referenceNumber** are correct for your company.	You should have the test **XML** ready for the next step	☐
2	Check the XML with information from section 2.3.1 with the valid data ensure rejection	Element should resemble section 2.3.1	☐
3	Submit the declaration using the conditions found under Pre-conditions	The declaration should be sent to the system	☐
4	Pull the notifications	You should be able to pull notifications from the system	☐
5	Rejection of submission of D2 declaration by receiving the **CC056C**	Receive notification **CC056C**	☐

2.3.1 XML example

Ensure that the following XML examples matches what is in your XML for this test to work.

```
<HolderOfTheTransitProcedure>
    <identificationNumber>BQ2Q390LL</identificationNumber>
</HolderOfTheTransitProcedure>
```