TEST CASE – D1 STANDARD WITH IE007 AND IE044

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Document history

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0.1	16-03-2023	Lukas Martin Wick	Draft	
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1.1	12-05-2023	Alexander Vejling Sennefelder	Updated	
1.2	28-12-2023	Alexander Tholle	Updated	Updated flow diagram, test scenario and XML examples

Table of contents

1 Pre-conditions

To complete the functional test case for "D1 Standard with IE007 and IE044", the company must have an established connection to the AS4-gateway, and have a functioning system user to DMS Export, see Connectivity Guide & System Guide.

Furthermore, ensure that you for this test case have the correct URLs, Services, and Actions, as seen in the table below. In place of {CVR} and {UID}, fill out your own CVR and UID in the URLs. 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

To submit arrival notification (IE007) and unloading remarks (IE044) respectively, use the following endpoints:

URL	UFE Service	TFE Service	Action
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_{CVR}_UID_{UID}	DMS.Transit2	DMS.Transit	Declaration.ArrivalNotification
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_{CVR}_UID_{UID}	DMS.Transit2	DMS.Transit	Declaration.Unload

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

Please ensure that the "Test Case – D1 Standard" have been completed before you try to complete the "Test Case – D1 Standard with IE007 and IE044" scenarios.

1.1 Process flow

The process flow for the IE007 and IE044 messages following a D1 standard release, can be seen in figure 1. Notice that the trader at destination and holder of the transit procedure receive different notifications.
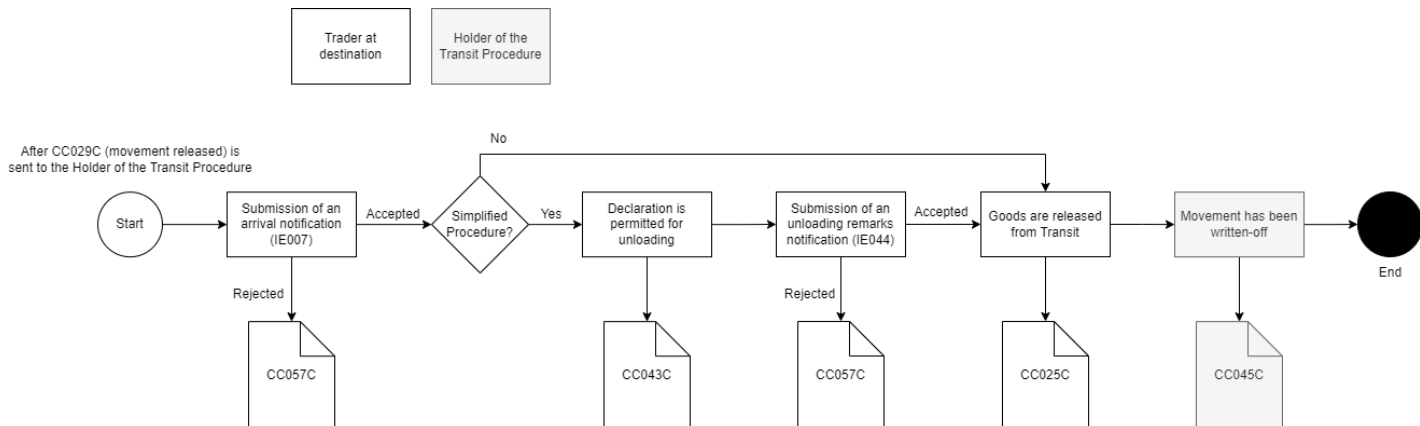

Figure 1 – Process flow for the IE007 and IE044 messages following a D1 standard release

1.2 Authorisation

For this test case, the authorisation **C522 ACE - Authorised consignee for Union transit** (Column 9c, Annex A of Delegated Regulation (EU) 2015/2446) is required.

To be able to complete the test cases using the provided type 0 and 1 guarantees, the authorisation **C505 (CGU - Comprehensive Guarantee)** is also required. If you lack any of these authorizations, please reach out to us on Toolkit so we can create test guarantees/authorizations for you.

2 Test Scenarios

To complete this test case, test scenario 1 in the table below must be passed successfully. Be sure to go through the scenario thoroughly. It is recommended that you use the attached files to test the notifications.

Test no.	Test scenario	Passed/Failed
1	Submit D1 – Standard declaration, which is accepted, along with IE007 and IE044	☐

2.1 Description of test scenarios

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

The purpose of the test scenarios is to ensure 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. For each case there will be an XML available in the same folder where you found this test case document.

2.2 Test scenario 1 – Acceptance

The aim of this scenario is to get a notification that the D1 Standard XML has been accepted, and to subsequently send the IE messages for "Arrival notification" (IE007) followed by an "Unloading Remarks" (IE044). The following table shows the necessary test steps for completing this scenario, as well as the 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), **Consignor.identificationNumber** (13 02 017 000), **Guarantee: guaranteeType** (99 02 001 000), **GRN** (99 03 069 000) and **accessCode** (99 03 070 000). Remember to use the provided test guarantees. Furthermore, you should reference your company's authorisation of type **C505** (CGU) in the field **Authorisation.referenceNumber** (12 12 001 000), if required.

NB: the notifications (CC043C and CC025C) are sent to the **submitter** of the IE007 and IE044 respectively. The **submitter** acts as the "Trader at Destination", regardless of the EORI provided in the "TraderAtDestination" element and the CVR provided in the "messageSender" element.

Step no.	Description of steps	Expected result	Passed
1	Use the provided "Test Case – D1 Standard Acceptance" XML found in the test case folder (remember to replace the fields containing placeholders **{{}} (messageSender, LRN, HolderOfTheTransitProcedure, Consignor.identificationNumber, Guarantee, Authorisation.referenceNumber)** and make sure they 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 the valid data ensure acceptance	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	Acceptance of submission of D1 declaration by receiving the **CC028C** and **CC029C** notifications	Receive notifications **CC028C** and **CC029C** notifications	☐
6	Use the provided "Test Case – IE007 Arrival notification" XML found in the test case folder (remember to replace the fields containing placeholders **{{}} – {{MRN}}** should match the MRN from the initially submitted **D1 declaration**). *Make sure that the "simplifiedProcedure" element under the TransitOperation element is set to 1, to trigger the IE044 flow. See 2.2.2.*	You should have the IE007 test **XML** ready for the next step and the TransitOperation element should resemble section 2.2.2.	☐
7	Submit an **Arrival notification** (IE007) message	The IE007 should be sent to the system	☐
8	Pull notifications until you get an **Unloading Permission** (IE043) notification.	Receive **CC043C** notification	☐

10	Use the provided "Test Case – IE044 Unloading Remark" XML found in the test case folder. Remember to replace the fields containing placeholders **{{}}** – **{{MRN}}** should match the MRN from the initially submitted **D1 declaration** *Make sure that the "unloadingDate" element is equal to or after the "preparationDateAndTime" element of the received **CC043C** notification! (without being in the future)*	You should have the IE044 test **XML** ready for the next step	☐
11	Submit an **Unloading Remarks** (IE044) message	IE044 should be sent to the system	☐
12	Pull notifications	You should be able to pull notifications from the system	☐
13	Receive the **Goods Release** (IE025) notification to complete the test case. *If you have access to the original declaration, you can verify that the **Holder of the Transit Procedure** also receive the **Write-off** (IE045) notification.*	Should receive the **CC025C** notification and complete the test case *The Holder of the Transit Procedure should receive the **CC045C** notification*	☐

2.2.1   XML example (Holder)

Ensure that the following XML examples matches what is in your XML, but with the EORI-number of your own company, for this test to work. You **should not** use the DK55123456 EORI. It is shown here to illustrate the format.

```
<HolderOfTheTransitProcedure>
    <identificationNumber>DK55123456</identificationNumber>
</HolderOfTheTransitProcedure>
```

2.2.2   XML example (TransitOperation of IE007)

TransitOperation sub-element "simplifiedProcedure" to ensure that the IE044 flow is triggered.

```
<TransitOperation>
    <MRN>{{MRN}}</MRN>
    <arrivalNotificationDateAndTime>2023-12-28T22:22:22</arrivalNotificationDateAndTime>
    <simplifiedProcedure>1</simplifiedProcedure>
    <incidentFlag>0</incidentFlag>
</TransitOperation>
```