TEST CASE – D1 STANDARD WITH IE034

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Document history

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Table of contents

1 Pre-conditions

To complete the functional test case for "D1 Standard with IE034", 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 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 query on guarantees notification (IE034) 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.GuaranteesQuery

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 IE034" scenarios.

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

You should have completed the testcase D1 – Standard before starting this testcase. The process flow begins with the submission of a D1 Standard declaration, followed by the submission of an IE034. Figure 1 illustrates the expected flow and notifications, beginning after the D1 Standard declaration has reached the Movement Released state (receival of the CC029C notification).
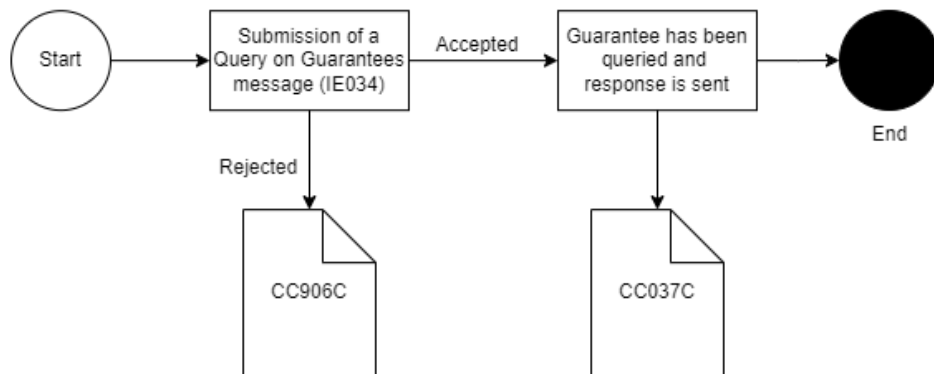

Figure 1 – Process flow for a IE034 message following the release of the D1 Standard declaration.

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, followed by an IE034	☐
2	Submit IE034 which is rejected	☐

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 message for the query on guarantees notification (IE034). The following table shows the necessary test steps for completing this scenario, as well as expected results.

Submitting a new D1 Standard declaration can be skipped, if you have the necessary information to confirm that the IE037 notification returns info on your latest transit declaration, which uses the same guarantee you are querying.

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)**, Consignor.identificationNumber** (13 02 017 000) (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) in the field **Authorisation.referenceNumber** (12 12 001 000).

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 **{{ }}** and make sure **messageSender, LRN, HolderOfTheTransitProcedure, Consignor.identificationNumber, 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 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 and release of D1 declaration by receiving the **CC028C** and **CC029C** notifications *This may take time if tasks are manually handled by a customs officer.*	Receive notifications **CC028C** and **CC029C** notifications	☐
6	Use the provided "Test Case – IE034 Query on Guarantees" XML found in the test case folder (remember to replace the fields containing placeholders **{{}}** – {{Requester}} should match the Holder of the Transit Procedure, {{GRN}} must match the GRN used in the D1 Standard declaration, and accessCode must be valid for the GRN.	You should have the IE034 test **XML** ready for the next step	☐
7	Check the XML with information from section 2.2.2 with the valid data ensure acceptance	Element should resemble section 2.2.2	☐
8	Submit the **Query on Guarantees** (IE034) message	The IE034 should be sent to the system	☐

9	Pull notifications	You should be able to pull notifications from the system	☐
10	Receive **Response Query on Guarantees** (IE037) where the first **Usage** element contains the **MRN** of the D1 Standard declaration submitted in the first steps of this scenario.	Receive the **CC037C** notification and complete the test	☐

2.2.1   XML example (D1 Standard)

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.

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

2.2.2   XML example (IE034)

Ensure that the following XML examples matches what is in your XML. Role determines the ID element, and query identifier determines the guarantee types being queried. This test case expects you to use guarantee type 0 or 1, therefore we use query identifier '3'.

```xml
<Requester>
    <identificationNumber>DK55123456</identificationNumber>
    <role>1</role>
</Requester>
and
<GuaranteeQuery>
    <queryIdentifier>3</queryIdentifier>
    ...
</GuaranteeQuery>
```

2.3 Test scenario 2 – Rejection

The aim of this scenario is to get a notification that the IE message for the query on guarantees notification (IE034), is rejected. The following table shows the necessary test steps for completing this scenario, as well as expected results.

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 the GRN is invalid to force the rejection.

Step no.	Description of steps	Expected result	Passed
1	Use the provided "Test Case – IE034 Query on Guarantees" XML found in the test case folder (remember to replace the fields containing placeholders **{{}}** – {{Requester}} should match the Holder of the Transit Procedure and {{GRN}} must be invalid.	You should have the IE034 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 **Query on Guarantees** (IE034) message	The IE034 should be sent to the system	☐
4	Pull notifications	You should be able to pull notifications from the system	☐
5	Receive **Functional Nack** (IE906) with **errorCode** '92'.	Receive the **CC906C** notification and complete the test	☐

2.3.1   XML example (IE034)

Ensure that the following XML examples matches what is in your XML. It is important that the GRN is invalid.

```
<GuaranteeReference>
   <sequenceNumber>1</sequenceNumber>
   <GRN>11DK1234567891411</GRN>

   ...
</GuaranteeReference>
```