

TEST SCENARIOS – TRANSIT

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Document history

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1 Preconditions

1.1 Connection

To complete the Test Scenarios for DMS Transit, 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](#). In addition, please ensure that you have completed the [Functional Test Cases](#) for Transit before you continue to do these Test Scenarios. This is to ensure that your connection works with the endpoints necessary for this Test Scenario.

Furthermore, ensure that you for this test case have the correct URLs, Services, and Actions, as seen in the tables 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.

The endpoints for DMS Transit Test Scenarios.

URL	UFE Service	TFE Service	Action
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_30808460_UID_25351738	DMS.Transit2	DMS.Transit	Declaration.Submit
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_30808460_UID_25351738	DMS.Transit2	DMS.Transit	Declaration.ArrivalNotification
https://secureftpgatewaytest.skat.dk:6384/exchange/CVR_30808460_UID_25351738	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

1.2 Authorisations for the consignor

For some of the test scenarios authorisations are required. The following is a list of authorisations which can be used by the consignor, as well as how to complete the test scenarios without the authorisations. Notice that this is not a comprehensive list of all possible authorisations for transit.

C521 ACR - Authorised Consignor

Authorisation for the status of authorised consignor for union transit (Column 9b, Annex A of Delegated Regulation (EU) 2015/2446).

If you lack this authorization, you can send in the declarations as standard procedures by removing the fields “**limitDate**” and “**Authorisation**” of type C521, so that it becomes a standard procedure. Notice however that this requires manual action from a customs office. Please reach out to us on Toolkit so we can help you finish the flow.

C505 CGU - Comprehensive Guarantee

Comprehensive Guarantee customs transit including possible reduction or exemption. Application and 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 so we can create test guarantees of this type for you.

C523 SSE - Use of seals of a special type.

Authorization for the use of seals of a special type (Column 9d, Annex A of Delegated Regulation (EU) 2015/2446).

If you lack this authorisation, you can remove the field of the declaration that contains seals. If you send in the declaration as a standard procedure this authorisation is then not required.

C524 TRD - Use of Reduced Dataset

Authorisation to use transit declaration with a reduced dataset (Column 9e, Annex A of Delegated Regulation (EU) 2015/2446)

1.3 Authorisations for the consignee

The authorised consignee scenarios are most relevant if you have the authorisations ACT and/or ACE as the customs office of departure will perform the necessary actions otherwise. You can however send in a IE007 as a trader at destination as a non-simplified procedure.

C520 ACT - Authorised consignee for TIR

Authorisation for the status of authorised consignee for TIR procedure (Column 9a, Annex A of Delegated Regulation (EU) 2015/2446).

C522 ACE - Authorised consignee for Union transit

Authorisation for the status of authorised consignee for Union transit (Column 9c, Annex A of Delegated Regulation (EU) 2015/2446)

1.4 Authorisation reference number

If you are an authorised consignor and/or consignee you should have an Authorisation reference number which you can use as location of goods in the declarations.

2 Test Scenario Description

These test scenarios are made to increase complexity gradually, but there is no true order in completing this document. The different tests are set up to test specific scenarios that you might need, using DMS Transit. The files necessary to test these scenarios can be found in within the folder structure as this document. Below you will see a list of test scenarios with the names of the necessary XML(s) needed to test the specific scenario, as well as what you are testing in the given scenario. In addition, we will show you the expected results of each test. Furthermore, the required prerequisites will be noted.

Lastly, the purpose of these scenarios is to ensure that you, as a company, can perform certain actions that matches your needs without systematic errors, as well as emulating real-world scenarios. This means you do not have to complete every single scenario in the lists in the sections below. We simply recommend that you complete the scenarios in the sections relating to your authorisations and expected uses.

2.1 Standard procedure

To be able to perform the standard procedure you should have set up a session by contacting us on toolkit.

2.1.1 XMLs

For each scenario an example xml is provided. It is recommended to change the data so that it fits your company. If you use the provided XML it is necessary to update the following fields (and their subfields):

messageSender: {{CVR}} should contain your CVR

LRN (12 09 000 000): {{LRN}} should contain a unique identification number.

Authorisation.referenceNumber (12 12 001 000): should contain a reference to an authorisation of type C505 CGU.

HolderOfTheTransitProcedure (13 07 000 000): {{HolderEORI}} should contain your EORI-number.

Consignor: You can change all the fields or only the **identificationNumber** (13 02 017 000): {{ConsignorEORI}} to match your company or another existing consignor.

Consignee: You can change all the fields or only the **identificationNumber** (13 03 017 000): {{ConsigneeEORI}} to match your company or another existing consignor.

Guarantee: **guaranteeType** (99 02 001 000): {{GuaranteeType}}, **GRN** (99 03 069 000): {{GRN}} and **accessCode** (99 03 070 000). You will be informed of the GRN, access code, and amount of the test guarantees of type 0 and 1 created for you when you are first registered. If you miss the C505 CGU authorization you will need to contact us through toolkit to set up extra guarantees of type 2.

2.1.2 The test scenarios

Scenario	Necessary XMLs	Necessary Aauthorisations and prerequisites	What is tested in this scenario.	Expected result
SP1	Test scenario - IE015 SP-1	CGU	T2 with 1 goods item	<i>Declaration received (IE015)</i> MRN Received (IE028) Declaration Released (IE029)

2.2 Authorised consignor

If you only have the authorisation presented in this scenario, simply do the scenarios with the expected results. If you have the authorisation presented in section 2.3 as well as in this, you can use the scenarios from this section to continue those scenarios.

2.2.1 XMLs

For each scenario an example xml is provided. It is recommended to change the data so that it fits your company or construct similar scenarios from scratch.

If you use the provided XML, it is necessary to update the following fields (and their subfields):

messageSender: {{CVR}} should contain your CVR.

LRN (12 09 000 000): {{LRN}} should contain a unique identification number.

Authorisation: type (12 12 002 000), **referenceNumber** (12 12 001 000): should contain a reference to an authorisation of type C505 CGU and C521 ACR.

HolderOfTheTransitProcedure (13 07 000 000): {{HolderEORI}} should contain your EORI-number.

Consignor: You can change all the fields or only the **identificationNumber** (13 02 017 000): {{ConsignorEORI}} to match your company or another existing consignor.

Consignee: You can change all the fields or only the **identificationNumber** (13 03 017 000): {{ConsigneeEORI}} to match your company or another existing consignor.

Guarantee: guaranteeType (99 02 001 000): {{GuaranteeType}}, **GRN** (99 03 069 000): {{GRN}} and **accessCode** (99 03 070 000)
- You will be informed of the GRN, access code, and amount of the test guarantees of type 0 and 1 created for you when you are first registered. If you miss the C505 CGU authorization you will need to contact us through toolkit to set up extra guarantees of type 2.

CustomsOfficeOfDeparture (17 03 000 000) - Remember that this should match your Authorisation and Guarantee.

LocationOfGoods (16 15 000 000): If you are an authorized consignor, you should use your own Authorisation reference number in the field **authorisationNumber** (16 15 052 000) here, and make sure **typeOfLocation** (16 15 045 000) and **qualifierOfIdentification** (16 15 046 000) are set accordingly.

2.2.2 The test scenarios

Scenario	Necessary XMLs	Necessary Aauthorisations and prerequisites	What is tested in this secenario.	Expected result
ACR-1	Test scenario - IE015 ACR-1	ACR CGU	T2 with 1 goods item	<i>Declaration received (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029)
ACR-2	Test scenario - IE015 ACR-2	ACR CGU (SSE)	T1 with 3 goods items. Consignee and country declared in goods items	<i>Declaration received (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029)
ACR-3	Test scenario - IE015 ACR-3	ACR CGU (SSE)	T with 3 goods items. Country of destination declared in header. Consignee declared in goods items.	<i>Declaration received (IE015)</i> MRN Received (IE028) Declaration Released (IE029)
ACR-5	Test scenario - IE015 ACR-5	ACR CGU	T2 with 1 goods item Declaration includes incorrect password.	<i>Declaration received (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029) Error message "G03 – Password not valid" (IE055)
ACR-6	Test scenario - IE015 ACR-6	ACR CGU	T2 with 1 goods item Security amount too small	<i>Declaration received (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029) Error message "G09 – Reference/Guarantee amounts NOT sufficient" (IE055)
ACR-4	Test scenario - IE015 ACR-4	ACR A reference to a TIR carnet	TIR with 1 goods item	<i>Declaration received (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029)

2.3 Authorised consignee

If you do not have the authorisation ACR presented in section 1.2, and only authorisation ACT and/or ACE for this section, do not forget to reach out to us on Toolkit and setup a session so we can help you prepare submission XMLs to use for your IE messages in the scenarios.

If you do not have authorisations ACT and/or ACE you can still send in an arrival notification IE007 to the office of destination, however the rest of the flow will be handed by the office of destination.

2.3.1 XMLs

For each scenario an example xml is provided. It is recommended to change the data so that it fits your company or construct similar scenarios from scratch.

If you use the provided XML, it is necessary to update the following fields (and their subfields):

2.3.1.1 IE007 Arrival notification

messageSender: {{CVR}} should contain your CVR.

MRN: {{MRN}} should match the MRN of the sent in deceleration IE015.

Authorisation: type (12 12 002 000), **referenceNumber** (12 12 001 000): should contain a reference to an authorisation of type C522 ACE or C520 ACT.

TraderAtDestination.identificationNumber: {{ TraderAtDestinationEORI}} should contain your EORI-number.

LocationOfGoods (16 15 000 000): If you are an authorized consignee, you should use your own Authorisation reference number in the field **authorisationNumber** (16 15 052 000) here. Make sure **typeOfLocation** (16 15 045 000) and **qualifierOfIdentification** (16 15 046 000) are set accordingly

CustomsOfficeOfDestinationActual (17 03 001 000). Notice that this should match your Authorisation (and Guarantee if using guarantee type 2)

2.3.1.2 IE044 Unloading remarks.

messageSender: {{CVR}} should contain your CVR.

MRN: {{MRN}} should match the MRN of the sent in deceleration IE015.

TraderAtDestination.identificationNumber: {{TraderAtDestinationEORI}} should contain your EORI-number.

CustomsOfficeOfDestinationActual (17 03 001 000) - Remember that this should match your Arrival notification.

2.3.2 The test scenarios

Scenario	Necessary XMLs	Necessary Aauthorisations and prerequisites	What is tested in this scenecario.	Expected result	Loading remarks
ACE-1	Test scenario - IE015 ACR-1 Test scenario - IE007 Standard Test scenario - IE044 ACE-1	Test scenario - IE015 ACR-1 has been sent in and released for transit ACE	T2 with 1 goods item	Holder of procedure <i>Declaration sent (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029) Trader at destination <i>Arrival notification sent (IE007)</i> Unloading permission (IE043) <i>Unloading remarks (IE044): no remarks</i> Movement released (IE025) Holder of procedure Movement written of (IE045)	Declare the unloading to conform
ACE-2	Test scenario - IE015 ACR-2 Test scenario - IE007 Standard Test scenario - IE044 ACE-2	Test scenario - IE015 ACR-2 has been sent in and released for transit ACE	T1 with 3 goods items. IE044 with 2 remarks on item 1 and 3	Holder of procedure <i>Declaration sent (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029) Trader at destination <i>Arrival notification sent (IE007)</i> Unloading permission (IE043) <i>Unloading remarks (IE044): no remarks</i> Movement released (IE025) Holder of procedure Movement written of (IE045)	Goods item 1: Changes: typeOfPackages: CS shippingMarks: GI 1 descriptionOfGoods: Scenario ACE-2, Goods item 1 v/errors netMass: 1600 Goods item 3: typeOfPackages: CS
ACE-3	Test scenario - IE015 ACR-1 Test scenario - IE007 Standard Test scenario - IE044 ACE-3	Test scenario - IE015 ACR-1 has been sent in and released for transit ACE	T2 with 1 goods item. Remarks on header level (consignment) and goods item	Holder of procedure <i>Declaration sent (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029) Trader at destination <i>Arrival notification sent (IE007)</i> Unloading permission (IE043)	Unloading remarks This is ACE-3 with 1 goods item, and changes in consignment and goods item Consignment (header level) Gross mass: 500 DepartureTransportMeans. identificationNumber: RK 95 1111 Goods item grossMass: 500 netMass: 500 typeOfPackages:CT

				<p><i>Unloading remarks (IE044): no remarks</i></p> <p>Movement released (IE025)</p> <p>Holder of procedure</p> <p>Movement written of (IE045)</p>	<p>numberOfPackages:20</p> <p>shippingMarks: ACE 3</p>
ACE-4	<p>Test scenario - IE015 ACR-2</p> <p>Test scenario - IE007 Standard</p> <p>Test scenario - IE044 ACE-4</p>	<p>Test scenario - IE015 ACR-2 has been sent in and released for transit</p> <p>ACE</p>	<p>T1 with 3 goods item. Remarks on items 1 and 3, as well as adding a new goods item</p>	<p>Holder of procedure</p> <p><i>Declaration sent (IE015)</i></p> <p>MRN Allocated (IE028)</p> <p>Declaration Released for transit (IE029)</p> <p>Trader at destination</p> <p><i>Arrival notification sent (IE007)</i></p> <p>Unloading permission (IE043)</p> <p><i>Unloading remarks (IE044): no remarks</i></p> <p>Movement released (IE025)</p> <p>Holder of procedure</p> <p>Movement written of (IE045)</p>	<p>Unloading remarks</p> <p>SCENARIO ACE-4, declaration with 3 goods items. Errors in goods item 1 and 3 and a new goods item 4</p> <p>Consignment (header level)</p> <p>grossMass: 3200</p> <p>Consignment item 1:</p> <p>grossMass:2300</p> <p>netMass:1600</p> <p>typeOfPackages:CS</p> <p>shippingMarks: GI 1</p> <p>Consignment item 3</p> <p>typeOfPackages:CS</p> <p>shippingMarks: GI3</p> <p>Consignment item 4</p> <p>descriptionOfGoods: SCENARIO ACE-4</p> <p>Goods item 4</p> <p>harmonizedSystemSubHeadingCode: 220820</p> <p>grossMass: 100</p> <p>netMass: 100</p> <p>typeOfPackages: BX</p> <p>numberOfPackages: 90</p> <p>shippingMarks: GI 4</p>
ACE-5	<p>Test scenario - IE015 ACR-2</p> <p>Test scenario - IE007 ACE-5</p>	<p>Test scenario - IE015 ACR-2 has been sent in and released for transit</p> <p>ACE</p>	<p>T1 with 3 goods item. Incident noted in arrival notification</p>	<p><i>Declaration sent (IE015)</i></p> <p>MRN Allocated (IE028)</p> <p>Declaration Released for transit (IE029)</p> <p><i>Arrival notification with incident sent (IE007)</i></p> <p>Status changed to arrived</p>	<p>Arrival notification:</p> <p>incidentFlag: 1</p> <p>Incident: 1</p> <p>code: 5</p> <p>text: Traffic incident</p> <p>Endorsement, Authority: Færdselspolitiet</p> <p>Location: Storebæltsbroen</p> <p>Incident: 2</p> <p>code: 3</p> <p>text: Transhipment due to traffic incident</p> <p>Endorsement, Authority: Politiet</p> <p>Location: ToldSkat Fyn</p> <p>New seal with identifier: PO1</p> <p>Identification on new vehicle: HP 97 600</p> <p>Unloading remarks</p> <p>SCENARIO ACE-5, declaration with 3 goods items. Incident. Errors in goods item 1 and 3 and a new goods item 4</p> <p>Consignment (header level)</p>

					<p>grossMass: 3200</p> <p>Consignment item 1: grossMass:2300 netMass:1600 typeOfPackages:CS shippingMarks: GI 1</p> <p>Consignment item 3 typeOfPackages:CS shippingMarks: GI3</p> <p>Consignment item 4 descriptionOfGoods: SCENARIO ACE-4 Goods item 4 harmonizedSystemSubHeadingCode: 220820 grossMass: 100 netMass: 100 typeOfPackages: BX numberOfPackages: 90 shippingMarks: GI 4</p>
ACE-6	<p>Test scenario - IE015 ACR-4</p> <p>Test scenario - IE007 ACE-6</p> <p>Test scenario - IE044 ACE-6</p>	<p>Test scenario - IE015 ACR-4 has been sent in and released for transit</p> <p>ACT</p>	TIR with 1 goods items	<p>Holder of procedure <i>Declaration sent (IE015)</i> MRN Allocated (IE028) Declaration Released for transit (IE029)</p> <p>Trader at destination <i>Arrival notification sent (IE007)</i> Unloading permission (IE043) <i>Unloading remarks (IE044): no remarks</i> Movement released (IE025)</p> <p>Holder of procedure Movement written of (IE045)</p>	Declare the unloading to conform