

DMS Transit IE XML Guide



Version 1.2

Version control		
Version	Date	Change
1.0	28-06-23	Initial version
1.1	02-08-23	Full review process, confirming elements, optionality, reference numbers and element names to better match DDNXA Q2 and XSDs.
1.2	19-10-23	Updated Unloading Remark.

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The aim of this document

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The aim of this document is to give an in-depth description of the different fields and data elements contained in the XSD-files for Transit declarations based on the EU Customs Data Model - <https://eucdm.softdev.eu.com/>

The document is structured after the EUCDM grouping of the data elements as well as DMS-specific data fields that are required by the system when using the S2S solution:

- **System-specific fields:** This section includes fields that are needed by the system to recognize what declaration is sent in, who is submitting the declaration, as well other data that is needed to fulfill the desired action.
- **Group 11:** This section contains basic information about the declaration, meaning if the declaration is pre-lodged or a standard and which procedures the declaration should be processed under. All this information influences how the declaration is processed, what kind of business scenario and procedure to be expected and requested.
- **Group 12:** This section is for the submitter to present all other relevant information and documents related to the submitted declaration that is not contained in the data fields. This is especially used for references tracking documents, authorizations and supplying tracking numbers.
- **Group 13:** This section contains information on all parties involved in the Exit procedure. It is here information on the importer, exporter, declarant, fiscal reference, representative, etc., is provided either by ID or other identifiable information depending on whether the party is a company or private person.
- **Group 14:** In this section valuation information is given, examples of valuations are: taxes, transportation costs, delivery terms, etc.
- **Group 16:** This section contains the location-related information, e.g., where the goods will be or are presented (depending on whether it is a pre-lodged or a standard declaration) as well as the countries involved in the exit process.
- **Group 17:** This section contains information regarding which customs offices have handled the goods in the Transit process.
- **Group 18:** In this section the submitter supplies more detailed information on the goods item(s) such as a weight, description, Taric code(s), etc.
- **Group 19:** This section contains information about the form of transport of goods, e.g., modes, container information, equipment, etc.
- **Group 99:** This section contains other information in the declarations which does not fit into the other above-mentioned groups.

Under each data element in the groups is provided a detailed description on whether the field is mandatory or optional as well as what rules to adhere to depending on the desired business scenario to make use of, and XML-examples are provided to give context.

Information on the EUCDM ID6 reference code is provided to help the reader in seeking further information if needed.

Additionally, under some of the data element you will see codelist or rulecode codes identifying codes and rules for this element. These elements are relevant under the transitional period of the new system, and you can identify them in the Codelists.xlsx or Rulecodelist.xlsx sheets found on [GitHub](#). The first document can be used to identify the CLxxx errors, and the second document can be used to identify the rest. If there is an error not presented in comments of the data elements, or you can not find it in the code-/rulecodelist sheets, please contact us on Toolkit for further assistance on the subject.

Glossary

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To make the document shorter and easier to read, some abbreviations are used. Here is a list of the abbreviations used in this document.

Abbreviation	Description	Details
M	Mandatory	The field is mandatory to declare.
O	Optional	The field is optional to declare or should only be declared if relevant information is available.
MC	Conditionally mandatory	The information is mandatory dependent on other information given in the declaration, e.g., type of declaration or commodity code.
DL	Declaration level	The information is given on header level and applies to all the goods items in the declaration.
GSL	Goods shipment level	The information is given on goods shipment level and applies to all the goods items in the goods shipment.
GIL	Goods item level	The information is given on goods item level and applies to only the goods item it is declared under.
CL	Consignment level	The information is given on consignment level and applies to only the consignment it is declared under.
HCL	House consignment level	The information is given on house consignment level and applies to only the house consignment it is declared under.
CIL	Consignment item level	The information is given on consignment item level and applies to only the consignment item it is declared under.
ComL	Commodity level	The information is given on commodity level and applies to only the commodity it is declared under.
IL	Incident level	The information is given on incident level and applies to only the incident it is declared under.
C/A	Defines whether an element can be corrected or amended	No/No means can be corrected and amended. Yes/No means it can be corrected but not amended No/Yes means it can't be corrected but it can be amended No/No means it can't be corrected or amended
EUCDM	European Union Customs Data Model	The European Union Customs Data Model (EUCDM) is the model for Customs trans-European systems such as NCTS, AES, ICS, EOS and for Member States national customs clearance systems
XSD	XML Schema Definition	A document that specifies how to formally describe the elements in an Extensible Markup Language (XML) document. This description can be used to verify that each item of content in a document adheres to the description of the element in which the content is to be placed.
XML	Extensible Markup Language	A simple text-based format for representing structured information, storing, and sending data. It is the file format used to send declarations to DMS.
n/a	Not Applicable	The information does not apply to the given element/declaration.
Requirement Overview	Mandatory / Optional / Conditionally mandatory / Levels / Rules	Defines whether an element is M, O, MC (see abbreviations above) or whether any EUCDM rules apply to the given element in a specific declaration.
M/O	Defines whether a field is mandatory or optional when the main field is in the XML Mandatory/Optional	For a lot of input fields, the sub elements of that field are not always mandatory even though the overall input field is. For example, is Supporting Document which is optional, but when put into to an XML, SequenceNumeric and ID becomes mandatory as the only elements.
ND	Not Determined	The mandatory or optional status of these elements are not yet determined.

Footnotes

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Throughout the XML-Guide you will see several footnotes, all of these refers to this table. All these footnotes can also be found on EUCDM.

FOOTNOTE	DESCRIPTION
[7]	The Holder of the transit procedure Identification number is mandatory only in the cases where the EORI number or a third country unique identification number recognized by the Union of the person concerned is not provided. Where the EORI number or a third country unique identification number recognized by the Union is provided, the name and address shall not be provided. The TIR Holder identification number is mandatory in case the Declaration type is TIR; otherwise, it cannot be used.
[6]	Where the EORI number or a third country unique identification number recognized by the Union is provided, the name and address shall not be provided.
[8]	This information shall only be provided where available.
[27]	This data element is not mandatory in case the declaration type is TIR.
[30]	Member States may waive this requirement for modes of transport other than rail in case the transit movement doesn't cross the external border of the Union.
[34]	Not for use in the case of postal consignments or carriage by fixed transport installations.
[35]	Where goods are carried in multimodal transport units, such as containers, swap bodies and semi-trailers, the customs authorities may authorize the holder of the transit procedure not to provide this information where the logistical pattern at the point of departure may prevent the identity and nationality of the means of transport from being provided at the time the goods are released for transit, providing multimodal transport units bear unique numbers and such numbers are indicated in D.E. 19 07 063 000 Container identification number.
[36]	In the following cases, Member States shall waive the obligation to enter this information on a transit declaration lodged at the office of departure in relation with the means of transport on which the goods are directly loaded: <ul style="list-style-type: none"> - where the logistical pattern does not allow this data element to be provided and the holder of the transit procedure has the AEOC status and - where the relevant information may be traced where needed by the customs authorities via the records of the holder of the transit procedure.
[42]	This data element shall only be used in the context of TIR Carnet.
[60]	This data element is to be provided when an authorization exists according to the relevant section of Annex A to this Regulation, Title I Chapter 1.
[61]	This data element is optional when the declaration is submitted prior to presentation of goods.
[70]	Not for use in the case there is no Customs office of transit (17 04 000 000) declared.
[71]	This information shall not be provided if it is the same as the Departure transport means (19 05 000 000).

System specific fields

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Message Sender

C/A	Requirement Overview					XSD-path
No/No	IE007 M DL	IE026 M DL	IE034 M DL	IE044 M DL	IE141 M DL	Basepath: Header/messageSender
EUCDM 6.1	XSD/XML-name					Format M/O Comment
None	messageSender					an..35 M
Description:						
This data element is used to show the message sender.						
Rules/codes/other relevant information:						
No immediate rules. For restrictions on this element, look at the htypes.xsd and XMLSchema.xsd files. Enter CVR, LRN, etc. For more information, look at the htypes.xsd and XMLSchema.xsd.						
XML-examples:						
<messageSender>99999982</messageSender>						

Preparation Date and Time

[illegible]

Message Identification

[illegible]

Incident

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	O CL	n/a	n/a	n/a	n/a	Basepath: Header/Consignment/Incident		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
None	Incident					n/a	O	B2400
None	sequenceNumber					n..5	M	R0987
None	code					n1	M	CL019
None	text					an..512	M	
None	Endorsement					n/a	O	
None	date					an10	M	G0002
None	authority					an..35	M	
None	place					an..35	M	
None	country					a2	M	CL009
None	Location					n/a	M	
16 15 046 000	qualifierOfIdentification					a1	M	CL038
16 15 036 000	UNLocode					an..17	MC	CL244 C0460
16 15 018 20	country					a2	M	CL009
16 15 048 000	GNSS					n/a	MC	C0460
16 15 048 049	latitude					an..17	M	G0002 G0014
16 15 048 50	longitude					an..17	M	G0002 G0014
16 15 018 000	Address					n/a	MC	C0460
16 15 018 019	streetAndNumber					an..70	M	
16 15 018 021	postcode					an..17	MC	C0505
16 15 018 022	city					an..35	M	
19 07 000 000	TransportEquipment					n/a	MC	S1023 C0040 C0240 G0103
None	sequenceNumber					n..5	M	R0987
19 07 063 000	containerIdentificationNumber					an..17	MC	C0820 G0002 G0016
19 10 068 000	numberOfSeals					n..4	MC	C0396 G0021 G0023 R0106 R0448
19 10 000 000	Seal					n/a	MC	C0569
None	sequenceNumber					n..5	M	R0987
19 10 015 000	identifier					an..20	M	G0023 R0107
19 07 044 000	GoodsReference					n/a	O	G0670
None	sequenceNumber					n..5	M	R0987
None	declarationGoodsItemNumber					n..5	M	G0005 G0006
None	Transshipment					n/a	MC	C0240
None	containerIndicator					n1	M	CL027 G0029
None	TransportMeans					n/a	M	
None	typeofIdentification					n2	M	CL750 G0023
None	identificationNumber					an..35	M	G0023
None	nationality					a2	M	CL165 G0023
Description:								
This data element is used to identify an incident.								

Rules/codes/other relevant information:**Incident:**

Element used to identify and provide information about an incident.

sequenceNumber (Incident):

There can be declared multiple incidents. Number them sequentially here.

code:

Code indicating the type of incident. Available type codes can be seen [here](#) on sheet CL019.

text:

Free-text describing the incident or providing additional information.

Endorsement:

This element provides details about the endorsement of the incident and the endorsing authority.

date:

Date of the incident. Rules on this element uses a simple RegEx restriction: “\d{4}-\d{2}-\d{2}”. It translates to “Year-Month-Day”. For example: “2022-12-28”.

authority:

Reference number of the endorsing authority. The authority has to be a Competent Customs Authority.

place:

City of the endorsing authority.

country:

Country of the endorsing authority.

Location:

Element providing information about the location of the incident.

qualifierOfIdentification:

This element represents the relevant code for the identification of the location and indicates how the location will be declared. The possible codes are stated below and can also be seen [here](#) on sheet CL038:

- 'U': UN/LOCODE
- 'W': GNSS coordinates
- 'Z': Free text

UNLocode:

Use the codes defined in the UN/LOCODE Code List by Country. See [Codelists - NCTS.xlsx](#) under sheet CL244 for available codes. Only required when qualifierOfIdentification is set to 'U'.

country:

The two-letter code of the country e.g. DK for Denmark.

GNSS:

Relevant coordinates from Global Navigation Satellite Systems (GNSS) where goods are available. Only required when qualifierOfIdentification is set to 'W'.

latitude:

Latitude coordinate of the location of goods.

Rules on this element uses a simple RegEx restriction: “[+-]?([0-8]?[0-9]\.[0-9]{5,7}|90.000000?0?)”.

It translates to “optional ‘+’ or ‘-’ prefix, then either one or two digits before the ‘.’ followed by 5-7 digits. Alternatively it is possible to write 90.00000”. This pattern represents a valid latitude coordinate. Examples: “-5.470795”, “23.004843” or “+40.702958”

longitude:

Longitude coordinate of the location of goods. Same rules on this element as the latitude element.

Address:

Contains information regarding the address of the approved location of the goods.
Only required when qualifierOfIdentification is set to 'Z'.

streetAndNumber:

The name of the street of the goods location address and the number of the building or facility.

postcode:

The relevant postcode for the location of goods.

city:

The city name of the location of goods address.

TransportEquipment:

Element containing information about the transport equipment associated with the incident.

Required if incident code = '2' or '4'

Optional if incident code = '3' or '6'

sequenceNumber (TransportEquipment):

There can be declared multiple transport equipment elements. Number them sequentially here.

containerIdentificationNumber:

Marks (letters and/or numbers) which identify the container.

numberOfSeals:

The number of seals affixed to the transport equipment, where applicable.

Seal:

Element containing information about the seal(s) affixed to the transport equipment.

sequenceNumber (Seal):

For each container, enter the goods item number(s) for the goods transported in this container.

identifier:

The identification numbers of the seals affixed to the transport equipment, where applicable.

GoodsReference:

Element containing information to identify the goods.

sequenceNumber (GoodsReference):

For each container, enter the goods item number(s) for the goods transported in this container.

declarationGoodsItemNumber:

Reference to the declaration goods item.

Transshipment:

Element containing information about a shipment of goods/containers to an intermediate destination, then to another.

Only required when incident code = '3' or '6'.

containerIndicator:

Indicates whether the shipment consists of containers. '1' = Yes, '0' = No.

See [Codelists - NCTS.xlsx](#) under sheet CL027 for available codes.

TransportMeans:

Element containing information about the means of transport for the declared Transshipment.

typeOfIdentification:

Code indicating the type of transport means used for the Transshipment. See [Codelists - NCTS.xlsx](#) under sheet CL750 for available codes.

identificationNumber:

The identification number for the means of transport used for the Transhipment. The format differs depending on the type of transport means.

nationality:

The nationality of the means of transport indicated by the two-letter code of the country e.g. DK for Denmark. See [Codelists - NCTS.xlsx](#) under sheet CL165 for available codes.

For more information, look at the stypes.xsd and XMLSchema.xsd

XML-examples:

```
<Incident>
  <sequenceNumber>1</sequenceNumber>
  <code>1</code>
  <text>Carrier has to deviate from itinerary due to weather conditions out of their control</text>
  <Endorsement>
    <date>2009-05-16</date>
    <authority>DK004700</authority>
    <place>Tranbjerg</place>
    <country>DK</country>
  </Endorsement>
  <Location>
    <qualifierOfIdentification>Z</qualifierOfIdentification>
    <UNLocode>DKAAR</UNLocode>
    <country>DK</country>
    <GNSS>
      <latitude>56.153677</latitude>
      <longitude>10.178090</longitude>
    </GNSS>
    <Address>
      <streetAndNumber>Frejasvej 27</streetAndNumber>
      <postcode>8230</postcode>
      <city>Aarhus</city>
    </Address>
  </Location>
  <TransportEquipment>
    <sequenceNumber>1</sequenceNumber>
    <containerIdentificationNumber>CSQU3054383</containerIdentificationNumber>
    <numberOfSeals>1</numberOfSeals>
    <Seal>
      <sequenceNumber>1</sequenceNumber>
      <identifier>F742</identifier>
    </Seal>
    <GoodsReference>
      <sequenceNumber>1</sequenceNumber>
      <declarationGoodsItemNumber>1</declarationGoodsItemNumber>
    </GoodsReference>
  </TransportEquipment>
  <Transhipment>
    <containerIndicator>1</containerIndicator>
    <TransportMeans>
      <typeOfIdentification>21</typeOfIdentification>
      <identificationNumber>EG3101</identificationNumber>
      <nationality>DK</nationality>
    </TransportMeans>
  </Transhipment>
</Incident>
```


Transit Operation (IE007)

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	M DL	n/a	n/a	n/a	n/a	Basepath: Header/TransitOperation		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
None	TransitOperation					n/a	M	
None	MRN					an18	M	G0002 R0028
None	arrivalNotificationDateAndTime					an19	M	G0002
None	simplifiedProcedure					n1	M	CL027
None	incidentFlag					n1	M	CL027
Description:								
Element containing information relevant to the transit operation.								
Rules/codes/other relevant information:								
MRN: The MRN is automatically generated following the EUCDM legislation as a unique combination of 18 characters. The MRN is created by the Customs agency and is sent as part of the CWMACC notification for a standard declaration and in the CWMRCV notification for a pre-lodged declaration. The combination of the 18 characters is, in the time of writing, as follows: <ul style="list-style-type: none">- The last two digits of the year of formal acceptance of the declaration (e.g., '21' for 2021)<ul style="list-style-type: none">o Consist of 2 digits- 2. Country where the declaration/proof of the customs status of union goods/notification is lodged (e.g., 'DK' for Denmark)<ul style="list-style-type: none">o Consist of 2 letters- 3. Unique identifier based on year and country (e.g., 21DK04K21L01)<ul style="list-style-type: none">o Consist of 12 alphanumeric characters- 4. Procedure identifier of the declaration (e.g., R for B1, B2, B3, B4, etc.)<ul style="list-style-type: none">o Consist of 1 alphanumeric character- 5. Control digit (e.g., '5')<ul style="list-style-type: none">o Consist of 1 alphanumeric character- 6. Based on the ISO 6346 algorithm								
arrivalNotificationDateAndTime: The date and time for the arrival notification. Rules on this element uses a simple RegEx restriction: “\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}”. It translates to “Year-Month-DayTHour:Minute:Second”. For example: “2022-12-28T15:28:09”								
simplifiedProcedure: Indicates whether the transit operation is a simplified procedure. '1' = Yes, '0' = No. See Codelists - NCTS.xlsx under sheet CL027 for available codes.								
incidentFlag: Indicates whether the transit operation is an incident. '1' = Yes, '0' = No. See Codelists - NCTS.xlsx under sheet CL027 for available codes. For more information, look at the stypes.xsd and XMLSchema.xsd								
XML-examples:								
<TransitOperation> <MRN> 22DK0JSTSTERNUNIC8</MRN> <arrivalNotificationDateAndTime>2022-11-18T22:22:22</arrivalNotificationDateAndTime> <simplifiedProcedure>1</simplifiedProcedure> <incidentFlag>0</incidentFlag> </TransitOperation>								

Transit Operation (IE141)

[illegible]

Group 11 – Message information (including procedure codes)

5

Group 12 – References of messages, documents, certificates, authorisations

6

Supporting Document

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	n/a	n/a	O CL HCL CIL	n/a	Basepath: Header/Consignment/ SupportDocument Header/Consignment/HouseConsignment/ SupportDocument Header/Consignment/HouseConsignment/ConsignmentItem/ SupportDocument		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
12 03 000 000	SupportingDocument					n/a	O	G0360
None	sequenceNumber					n..5	M	R0054
12 03 002 000	type					an4	O	CL213 G0057 G0360
12 03 001 000	referenceNumber					an..70	O	G0321 G0360
12 01 079 000	complementOfInformation					an..35	O	
Description:								
This data element is used to identify or reference Union or international documents, certificates and authorizations produced in support of the declaration, and additional references.								
Rules/codes/other relevant information:								
sequenceNumber: There can be declared multiple supporting documents. Number them sequentially here.								
type: Represents the type of the supporting document. See what type codes can be used here https://skat.dk/data.aspx?oid=2364592 or Codelists - NCTS.xlsx under sheet CL213.								
referenceNumber: Identification or reference number of Union or national/international documents or certificates produced in support of the declaration.								
complementOfInformation: Complementary information concerning the supporting document.								
For more information, look at the stypes.xsd and XMLSchema.xsd								
XML-examples:								
<SupportingDocument> <sequenceNumber>1</sequenceNumber> <type>N003</type> <referenceNumber>ISO9001</referenceNumber> <complementOfInformation>Quality of consignment is approved</complementOfInformation> </SupportingDocument>								

Group 13 - Parties

7

Requester

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	n/a	M DL	n/a	n/a	Basepath: Header/Requester		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
None	Requester					n/a	M	
None	identificationNumber					an..17	M	R0850
None	role					n1	M	CL156
Description:								
This data element is used to define the requester of the query.								
Rules/codes/other relevant information:								
identificationNumber:								
Identification number of the trader at the destination.								
If the trader is in EU, then the value must be a valid EORI or TCUIN.								
If the trader is not in EU, then the value must be a TIN number.								
The format for a valid EORI-number is:								
<ul style="list-style-type: none">- First 2 digits: Country code (e.g. DK for Denmark).- Then a unique code within that country. (Example in XML-examples)								
role								
The role of the query requester. For available role codes, see Codelists - NCTS.xlsx under sheet CL156.								
For more information, look at the stypes.xsd and XMLSchema.xsd								
XML-examples:								
<pre><Requester> <identificationNumber>DK123456789000</identificationNumber> <role>2</role> </Requester></pre>								

Consignee Actual

C/A	Requirement Overview					XSD-path
	IE007	IE026	IE034	IE044	IE141	
No/No	n/a	n/a	n/a	n/a	M CL	Basepath: Header/Consignment/ ConsigneeActual
EUCDM 6.1	XSD/XML-name					Format M/O Comment
13 03 000 000	ConsigneeActual					n/a M
13 03 017 000	identificationNumber					an..17 O
13 03 016 000	name					an..70 M
13 03 018 000	Address					n/a M
13 03 018 019	streetAndNumber					an..70 M
13 03 018 021	postcode					an..17 MC C0505
13 03 018 022	city					an..35 M
13 03 018 020	country					a2 M CL248

Description:

This data element includes details used to identify the party to whom goods are actually consigned.

Rules/codes/other relevant information:

identificationNumber:

EORI number of the consignee or a third country unique ID code available to the union.

The format for a valid EORI-number is:

- First 2 digits: Country code (e.g. DK for Denmark).
- Then a unique code within that country. (Example in XML-examples)

name:

The full name of the party.

Address:

Contains information regarding the address of the actual consignee.

streetAndNumber:

Street name of the address and number of the facility or building.

postcode:

Relevant postcode of the consignee's address.

city:

City name of the consignee's address.

country:

The two-letter code of the country e.g. DK for Denmark.

For available country codes, see [Codelists - NCTS.xlsx](#) under sheet CL248.

For more information, look at the stypes.xsd and XMLSchema.xsd

XML-examples:

```
<ConsigneeActual>  
  <identificationNumber>DK123456789000</identificationNumber>  
  <name>Claus Johnson</name>  
  <Address>  
    <streetAndNumber>Bildbjergvej 4</streetAndNumber>  
    <postcode>8200</postcode>  
    <city>Aarhus</city>  
    <country>DK</country>  
  </Address>  
</ConsigneeActual>
```

Holder of the Transit Procedure

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	M DL	n/a	n/a	M DL	Basepath: Header/HolderOfTheTransitProcedure		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
13 07 000 000	HolderOfTheTransitProcedure					n/a	M	
13 07 017 000	identificationNumber					an..17	O	G0120 R0850
13 07 078 000	TIRHolderIdentificationNumber					an..17	O	Only relevant for IE141 C0904 G0002
13 07 016 000	name					an..70	O	C0250
13 07 018 000	Address					n/a	O	C0250
13 07 018 019	streetAndNumber					an..70	M	
13 07 018 021	postcode					an..17	MC	C0505
13 07 018 022	city					an..35	M	
13 07 018 020	country					a2	M	CL248
Description:								
This data element includes details used to identify the holder of the transit procedure or the authorised representative lodging the transit declaration on behalf of the holder of the procedure.								
Rules/codes/other relevant information:								
identificationNumber: EORI number of the transit procedure holder or representative party. The format for a valid EORI-number is: <ul style="list-style-type: none">- First 2 digits: Country code (e.g. DK for Denmark).- Then a unique code within that country. (Example in XML-examples)								
TIRHolderIdentificationNumber: EORI or identification number attributed by a country participating in the Common Transit Convention of the person authorized to use the TIR Carnet (holder). See format for valid EORI above.								
name: The full name of the party.								
Address: Contains information regarding the address of the party.								
streetAndNumber: Street name of the address and number of the facility or building.								
postcode: Relevant postcode of the party’s address.								
city: City name of the party’s address.								
country: The two-letter code of the country, e.g. DK for Denmark. For available country codes, see Codelists - NCTS.xlsx under sheet CL248.								
For more information, look at the stypes.xsd and XMLSchema.xsd								

XML-examples:

```
<HolderOfTheTransitProcedure>
  <identificationNumber>DK123456789000</identificationNumber>
  <TIRHolderIdentificationNumber>DNK/017/123456</TIRHolderIdentificationNumber>
  <name>Jens Thorup</name>
  <Address>
    <streetAndNumber>Bildbjergvej 4</streetAndNumber>
    <postcode>8200</postcode>
    <city>Aarhus</city>
    <country>DK</country>
  </Address>
</HolderOfTheTransitProcedure>
```

Group 14 - Valuation information/ Taxes

8

Group 16 - Places/Countries/Regions

9

Location of Goods

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	M CL	n/a	n/a	n/a	n/a	Basepath: Header/Consignment/LocationOfGoods		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
16 15 000 000	LocationOfGoods					n/a	M	
16 15 045 000	typeOfLocation					a1	M	CL347
16 15 046 000	qualifierOfIdentification					a1	M	CL326 G0500
16 15 052 000	authorisationNumber					an..35	MC	C0394
16 15 053 000	additionalIdentifier					an..4	O	C0671
16 15 036 000	UNLocode					an..17	MC	CL244 C0394
16 15 047 000	CustomsOffice					n/a	MC	C0394
16 15 047 001	referenceNumber					an8	M	CL172
16 15 048 000	GNSS					n/a	MC	C0394
16 15 048 049	latitude					an..17	M	G0002 G0014
16 15 048 050	longitude					an..17	M	G0002 G0014
16 15 051 000	EconomicOperator					n/a	MC	C0394
16 15 051 017	identificationNumber					an..17	M	R0850
16 15 018 000	Address					n/a	MC	C0394
16 15 018 019	streetAndNumber					an..70	M	
16 15 018 021	postcode					an..17	MC	C0505
16 15 018 022	city					an..35	M	
16 15 018 020	country					a2	M	CL009
16 15 081 000	PostcodeAddress					n/a	MC	C0394
16 15 081 025	houseNumber					an..17	MC	C0382
16 15 081 021	postcode					an..17	M	
16 15 081 020	country					a2	M	CL190
16 15 074 000	ContactPerson					n/a	O	C0394 G0105
16 15 074 016	name					an..70	M	
16 15 074 075	phoneNumber					an..35	M	
16 15 074 076	eMailAddress					an..256	O	G0002
Description:								
Information about the place where the goods are located. This location shall be precise enough to allow customs to carry out the physical control of the goods.								
Rules/codes/other relevant information:								
This data element can be supplemented on a supplementary declaration for D1 declarations.								
typeOfLocation:								
This element indicates the type of location where the goods will be presented. For declaring the location of goods there are pre-defined codes for indicating the type of location and how it is declared with specific possible values and combinations.								
The type codes and their types of locations are (can also be seen <u>Codelists - NCTS.xlsx</u> under sheet CL347):								
<ul style="list-style-type: none">- 'A': Designated location- 'B': Authorised place- 'C': Approved place- 'D': Other								

qualifierOfIdentification:

This element represents the relevant code for the identification of the location and indicates how the location will be declared.

The possible codes are (can also be seen [Codelists - NCTS.xlsx](#) under sheet CL326):

- 'U': UN/LOCODE
- 'V': Customs Office Identifier
- 'W': GNSS coordinates
- 'X': EORI number
- 'Y': Authorisation number
- 'Z': Free text
- T: Postal code – must only be used in case houseNumber and postcode, or only postcode, define an exact and unique location

The valid combinations for the two fields are:

- 'A' and 'U': Designated place identified by UN/LOCODE
- 'A' and 'V': Designated place identified by Customs Office Identifier
- 'B' and 'Y': Authorised place identified by Authorisation number.
- 'C' and 'Z': Approved place identified by filling in the address fields.
- 'D' and 'Z': Other place identified by filling in the address fields.
- 'D' and 'W': Other place identified by GNSS coordinates.
- 'D' and 'X': Other place identified by an EORI number.

authorisationNumber:

The authorisation number of the location concerned. Only required when qualifierOfIdentification is set to 'Y'.

additionalIdentifier:

In case of several premises, for the location to be specified more precisely related to an EORI or authorisation, enter the relevant code here. This field must be filled if the type and qualifier combination is 'B' and 'Y'.

UNLocode:

Use the codes defined in the UN/LOCODE Code List by Country. See [Codelists - NCTS.xlsx](#) under sheet CL244 for available codes. Only required when qualifierOfIdentification is set to 'U'.

CustomsOffice:

The relevant customs office code where goods are available for further customs control. Only required when qualifierOfIdentification is set to 'V'.

referenceNumber:

The reference number of the customs office where the goods are available for further customs control.

See the list of Customs Office IDs and search for specific Custom Office IDs here: https://ec.europa.eu/taxation_customs/dds2/rd/rd_consultation_location.jsp?Lang=en or see [Codelists - NCTS.xlsx](#) under sheet CL172.

GNSS:

Relevant coordinates from Global Navigation Satellite Systems (GNSS) where goods are available. Only required when qualifierOfIdentification is set to 'W'.

latitude:

Latitude coordinate of the location of goods.

Rules on this element uses a simple RegEx restriction: "[+-]?([0-8]?[0-9]\.[0-9]{5,7}|90.000000?0?)".

It translates to "optional '+' or '-' prefix, then either one or two digits before the '.' followed by 5-7 digits. Alternatively it is possible to write 90.00000". This pattern represents a valid latitude coordinate. Examples: "-5.470795", "23.004843" or "+40.702958"

longitude:

Longitude coordinate of the location of goods. Same rules on this element as the latitude element.

EconomicOperator:

This element contains information related to the economic operator in whose premises the goods can be controlled. Only required when qualifierOfIdentification is set to 'X'.

identificationNumber:

Identification number of the Economic Operator (EO).

If the EO is in EU, then the value must be a valid EORI or TCUIN.

If the EO is **not** in EU, then the value must be a TIN number.

The format for a valid EORI-number is:

- First 2 digits: Country code (e.g. DK for Denmark).
- Then a unique code within that country. (Example in XML-examples)

Address:

Contains information regarding the address of the approved location of the goods.

Only required when qualifierOfIdentification is set to 'Z'.

streetAndNumber:

The name of the street of the goods location address and the number of the building or facility.

postcode:

The relevant postcode for the location of goods.

city:

The city name of the location of goods address.

country:

The two-letter code of the country e.g. DK for Denmark.

See [Codelists - NCTS.xlsx](#) under sheet CL009 for possible country codes.

PostcodeAddress:

This element may be used where it is possible to determine the location of the goods with the postcode complemented by the house number if necessary. Only required when qualifierOfIdentification is set to 'T'.

houseNumber:

The house number for the related location of goods.

postcode:

The relevant postcode for the related location of goods.

country:

The two-letter code of the country e.g. DK for Denmark.

See [Codelists - NCTS.xlsx](#) under sheet CL190 for possible country codes.

ContactPerson:

Contains information on the specified contact person. Information recorded under this data group is solely for communication purposes. No legal liabilities exist upon the specific contact person.

name:

The name of the contact person.

phoneNumber:

the phone number of the contact person.

eMailAddress:

The e-mail address of the contact person.

For more information, look at the stypes.xsd and XMLSchema.xsd.

XML-examples:

```
<LocationOfGoods>
  <typeOfLocation>A</typeOfLocation>
  <qualifierOfIdentification>V</qualifierOfIdentification>
  <authorisationNumber>DKTST123456787</authorisationNumber>
  <additionalIdentifier>007</additionalIdentifier>
  <UNLocode>DKTAG</UNLocode>
  <CustomsOffice>
    <referenceNumber>DK004700</referenceNumber>
  </CustomsOffice>
  <GNSS>
    <latitude>56.103378</latitude>
    <longitude>10.148757</longitude>
  </GNSS>
  <EconomicOperator>
    <identificationNumber>DK123456789000</identificationNumber>
  </EconomicOperator>
  <Address>
    <streetAndNumber>Slet Parkvej 1</streetAndNumber>
    <postcode>8310</postcode>
    <city>Tranbjerg</city>
    <country>DK</country>
  </Address>
  <PostcodeAddress>
    <houseNumber>Slet Parkvej 1</houseNumber>
    <postcode>8310</postcode>
    <country>DK</country>
  </PostcodeAddress>
  <ContactPerson>
    <name>Jens Jensen</name>
    <phoneNumber>12345678</phoneNumber>
    <eMailAddress>contact@email.com</eMailAddress>
  </ContactPerson>
</LocationOfGoods>
```

Group 17 – Customs Offices

10

Customs Office of Destination Actual

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	M DL	n/a	n/a	M DL	O DL	Basepath: Header/CustomsOfficeOfDestinationActual		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
17 05 000 000	CustomsOfficeOfDestinationActual					n/a	M	O for IE141 G0042 S1018 C0215 C0315
17 05 001 000	referenceNumber					an8	M	CL172
Description:								
This data element is used to identify the customs office at which the Union transit operation shall end.								
Rules/codes/other relevant information:								
For the IE141 message, this element is only required if the Enquiry TC11DeliveryDate field is present.								
referenceNumber:								
The reference number of the office where the Union transit operation shall end. See the list of Customs Office IDs and search for specific Custom Office IDs here: https://ec.europa.eu/taxation cus- toms/dds2/rd/rd_consultation_location.jsp?Lang=en or see Codelists - NCTS.xlsx under sheet CL172.								
For more information, look at the stypes.xsd and XMLSchema.xsd.								
XML-examples:								
<CustomsOfficeOfDestinationActual> <referenceNumber>DK004700</referenceNumber> </CustomsOfficeOfDestinationActual>								

Customs Office of Guarantee

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	M DL	n/a	n/a	n/a	Basepath: Header/CustomsOfficeOfGuarantee		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
None	CustomsOfficeOfGuarantee					n/a	M	
99 03 072 000	referenceNumber					an8	M	CL174
Description:								
This data element is used to identify the customs office at which the guarantee is registered.								
Rules/codes/other relevant information:								
referenceNumber:								
The reference number of the office where the guarantee is registered.								
See the list of Customs Office IDs and search for specific Custom Office IDs here: https://ec.europa.eu/taxation_customs/dds2/rd/rd_consultation_location.jsp?Lang=en or see Codelists - NCTS.xlsx under sheet CL174.								
For more information, look at the stypes.xsd and XMLSchema.xsd.								
XML-examples:								
<pre><CustomsOfficeOfGuarantee> <referenceNumber>DK004700</referenceNumber> </CustomsOfficeOfGuarantee></pre>								

Group 18 – Goods identification

11

Group 19 – Transport information (modes, means and equipment)

12

House Consignment

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	n/a	n/a	O CL	n/a	Basepath: Header/Consignment/HouseConsignment		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
None	HouseConsignment					n/a	O	G0360
None	sequenceNumber					n..5	M	R0054
18 04 001 000	grossMass					n..16,6	O	G0360
19 05 000 000	DepartureTransportMeans					n/a	O	See departure transport means element table for more information
12 03 000 000	SupportingDocument					n/a	O	See supporting document element table for more information
12 05 000 000	TransportDocument					n/a	O	See transport document element table for more information
12 04 000 000	AdditionalReference					n/a	O	See additional reference element table for more information
None	ConsignmentItem					n/a	O	See consignment item element table for more information

Description:

This data element contains details related to a house consignment which applies to the lowest transport contract issued by a freight forwarder, non-vessel or aircraft operating common carrier or agent or a postal operator.

Rules/codes/other relevant information:

sequenceNumber:

Multiple house consignments can be declared. Number them sequentially here.

grossMass:

The gross mass in kilograms. It is the weight of goods including packaging, but excluding the carrier's equipment for the declaration, expressed in kilograms.

Where a gross mass greater than 1 kg includes a fraction of a unit (kg), it may be rounded off in the following manner:

- from 0,001 to 0,499: rounding down to the nearest kg,
- from 0,5 to 0,999: rounding up to the nearest kg.

A gross mass of less than 1 kg should be entered as '0,' followed by a number of decimals up to 6, discarding all "0" at the end of the quantity (e.g. 0,123 for a package of 123 grams, 0,00304 for a package of 3 grams and 40 milligrams or. 0,000654 for a package of 654 milligrams)

For more information, look at the stypes.xsd and XMLSchema.xsd.

XML-examples:

```
<HouseConsignment>
  <sequenceNumber>1</sequenceNumber>
  <grossMass>16500.00</grossMass>
  <DepartureTransportMeans>
    ...
  </DepartureTransportMeans>
  <SupportingDocument>
    ...
  </SupportingDocument>
  <TransportDocument>
    ...
  </TransportDocument>
```

```
<AdditionalReference>
  . . .
</AdditionalReference>
<ConsignmentItem>
  . . .
</ConsignmentItem>
</HouseConsignment>
```

Consignment (IE044)

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	n/a	n/a	O DL	n/a	Basepath: Header/Consignment		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
None	Consignment					n/a	0	G0360
18 03 001 000	grossMass					16,6	0	G0021 G0360
19 07 000 000	TransportEquipment					n/a	0	See transport equipment element table for more information
19 05 000 000	DepartureTransportMeans					n/a	0	See departure transport means element table for more information
12 03 000 000	SupportingDocument					n/a	0	See supporting document element table for more information
12 05 000 000	TransportDocument					n/a	0	See transport document element table for more information
12 04 000 000	AdditionalReference					n/a	0	See additional reference element table for more information
None	HouseConsignment					n/a	0	See house consignment means element table for more information
Description:								
This data element contains details related to a consignment.								
Rules/codes/other relevant information:								
grossMass:								
The gross mass in kilograms. It is the weight of goods including packaging, but excluding the carrier's equipment for the declaration, expressed in kilograms.								
Where a gross mass greater than 1 kg includes a fraction of a unit (kg), it may be rounded off in the following manner:								
<div><div>-</div>from 0,001 to 0,499: rounding down to the nearest kg,</div>								
<div><div>-</div>from 0,5 to 0,999: rounding up to the nearest kg.</div>								
A gross mass of less than 1 kg should be entered as '0,' followed by a number of decimals up to 6, discarding all "0" at the end of the quantity (e.g. 0,123 for a package of 123 grams, 0,00304 for a package of 3 grams and 40 milligrams or. 0,000654 for a package of 654 milligrams)								
For more information, look at the stypes.xsd and XMLSchema.xsd.								
XML-examples:								
<div><Consignment></div> <div><grossMass>16500.00</grossMass></div> <div><TransportEquipment></div> <div>...</div> <div></TransportEquipment></div> <div><DepartureTransportMeans></div> <div>...</div> <div></DepartureTransportMeans></div> <div><SupportingDocument></div> <div>...</div> <div></SupportingDocument></div> <div><TransportDocument></div> <div>...</div> <div></TransportDocument></div>								

```
<AdditionalReference>
...
</AdditionalReference>
<HouseConsignment>
...
</HouseConsignment>
</Consignment>
```



```
<AdditionalReference>
```

```
...
```

```
</AdditionalReference>
```

```
</ConsignmentItem>
```

Departure Transport Means

C/A	Requirement Overview					XSD-path		
	IE007	IE026	IE034	IE044	IE141			
No/No	n/a	n/a	n/a	O CL HCL	n/a	Basepath: Header/Consignment/ DepartureTransportMeans Header/Consignment/HouseConsignment/ Departure-TransportMeans		
EUCDM 6.1	XSD/XML-name					Format	M/O	Comment
19 05 000 000	DepartureTransportMeans					n/a	O	G0360
None	sequenceNumber					n..5	M	R0054
19 05 061 000	typeOfIdentification					n2	O	CL750 G0360
19 05 017 000	identificationNumber					an..35	O	G0360
19 05 062 000	nationality					a2	O	CL165 G0360
Description:								
The means of transport on which the goods are directly loaded at the time of transit formalities for departure.								
Rules/codes/other relevant information:								
sequenceNumber: Multiple departure transport means can be declared. Number them sequentially here. The value and purpose of the sequence number is determined by the data group as defined in R0054.								
typeOfIdentification: The type of identification. For possible type codes see Codelists - NCTS.xlsx under sheet CL750.								
identificationNumber: Enter the identity/reference number of the means of transport on which the goods are loaded at the time of transit formalities. The format for this input depends on the declared type of identification.								
nationality: The two-letter code of the country e.g. DK for Denmark. See Codelists - NCTS.xlsx under sheet CL165 for possible country codes.								
For more information, look at the stypes.xsd and XMLSchema.xsd.								
XML-examples:								
<DepartureTransportMeans> <sequenceNumber>1</sequenceNumber> <typeOfIdentification>21</typeOfIdentification> <identificationNumber>EG3101</identificationNumber> <nationality>DK</nationality> </DepartureTransportMeans>								

For more information, look at the stypes.xsd and XMLSchema.xsd.

XML-examples:

```
<TransportEquipment>
  <sequenceNumber>1</sequenceNumber>
  <containerIdentificationNumber>CSQU3054383</containerIdentificationNumber>
  <numberOfSeals>1</numberOfSeals>
  <Seal>
    <sequenceNumber>1</sequenceNumber>
    <identifier>F742</identifier>
  </Seal>
  <GoodsReference>
    <sequenceNumber>1</sequenceNumber>
    <declarationGoodsItemNumber>1</declarationGoodsItemNumber>
  </GoodsReference>
</TransportEquipment>
```

Group 99 – Other data elements

13

Guarantee Reference (IE034)

C/A	Requirement Overview					XSD-path
	IE007	IE026	IE034	IE044	IE141	
No/No	n/a	n/a	M DL	n/a	n/a	Basepath: Header/ GuaranteeReference
EUCDM 6.1	XSD/XML-name					Format M/O Comment
99 03 000 000	GuaranteeReference					n/a M
None	sequenceNumber					n..5 M R0987
99 03 069 000	GRN					an..24 M G0002
None	GuaranteeQuery					n/a M
None	queryIdentifier					n1 M CL054 R0261
None	periodFromDate					an10 O G0002 R0263
None	periodToDate					an10 O G0002 R0263 R0705
None	Owner					n/a MC C0818 G0035
None	identificationNumber					an..17 M R0850
None	AccessCode					n/a M
99 03 070 000	accessCode					an..4 M

Description:

This data element is used to identify and provide details about a specific guarantee.

Rules/codes/other relevant information:

sequenceNumber:

Multiple guarantee references can be declared. Number them sequentially here.

GRN:

The **Guarantee Reference Number**

Format:

- 1: Last two digits of the year at which the guarantee was accepted (YY) (n2)
 - o Example: '23' for 2023
- 2: Identifier of the country where the guarantee is lodged (ISO alpha 2 country code) (a2)
 - o Example: 'DK' for Denmark
- 3: Unique identifier for the acceptance given by the Office of Guarantee per year and country (an12)
 - o Example: '1234AB788966'
- 4: Check digit (n1)
 - o Example: '8'
- 5: Identifier of the individual guarantee by means of voucher (1 letter + 6 digits) or NULL for other guarantee types (an7)
 - o A001017

GuaranteeQuery:

This data element contains details about the query related to the declared guarantee reference.

queryIdentifier:

Identifier that indicates the type of query. See [here](#) for possible type codes under sheet CL054.

If Guarantee type is '2' or '4', then this value will be either '1' or '4'.

periodFromDate:

The date that the guarantee is valid and can be used from.

Rules on this element uses a simple RegEx restriction: "\d{4}-\d{2}-\d{2}".

It translates to "Year-Month-Day". For example: "2022-12-28".

This field can only be used with the following Guarantee types: '0', '1', or '9', with either Query identifier '1' or '3'.

periodToDate:

The date that the guarantee is valid and can be used to.

Same rules apply here as the periodFromDate. It must be a date later than the periodFromDate.

Owner:

This data element is used to identify the owner of the guarantee. This field is only required when the Request role is **not** '1'.

identificationNumber:

Identification number of the Guarantee owner.

If the owner is in EU, then the value must be a valid EORI or TCUIN.

If the owner is **not** in EU, then the value must be a TIN number.

The format for a valid EORI-number is:

- First 2 digits: Country code (e.g. DK for Denmark).
- Then a unique code within that country. (Example in XML-examples)

AccessCode:

This data element contains details regarding the guarantee access codes.

A specific guarantee may only be used by the persons who are authorized to do so. The authentication of these persons will be done by means of a guarantee access code. The guarantee access code can be considered as a secret security code (or kind of password) to secure the use of a specific guarantee.

accessCode:

The access code for the given guarantee. ASCII characters only and a fixed size of 4.

For more information, look at the stypes.xsd and XMLSchema.xsd.

XML-examples:

```
<GuaranteeReference>
  <sequenceNumber>1</sequenceNumber>
  <GRN>23DK1234AB7889668A001017</GRN>
  <GuaranteeQuery>
    <queryIdentifier>1</queryIdentifier>
    <periodFromDate>2004-02-14</periodFromDate>
    <periodToDate>2004-02-14</periodToDate>
  </GuaranteeQuery>
  <Owner>
    <identificationNumber>DK123456789000</identificationNumber>
  </Owner>
  <AccessCode>
    <accessCode>AB66</accessCode>
  </AccessCode>
</GuaranteeReference>
```

Guarantee Reference (IE026)

C/A	Requirement Overview					XSD-path
	IE007	IE026	IE034	IE044	IE141	
No/No	n/a	M DL	n/a	n/a	n/a	Basepath: Header/ GuaranteeReference
EUCDM 6.1	XSD/XML-name					Format M/O Comment
99 03 000 000	GuranteeReference					n/a M
99 03 069 000	GRN					an..24 M G0002 R0028
None	masterAccessCode					an..4 M
None	AccessCode					n/a M
99 03 070 000	accessCodeCurrent					an..4 O
99 03 070 000	accessCodeNew					an..4 O

Description:

By using the relevant union codes, the type of guarantee type for the operation can be defined.

Rules/codes/other relevant information:

GRN:

The **Guarantee Reference Number**

Format:

- 1: Last two digits of the year at which the guarantee was accepted (YY) (n2)
 - o Example: '23' for 2023
- 2: Identifier of the country where the guarantee is lodged (ISO alpha 2 country code) (a2)
 - o Example: 'DK' for Denmark
- 3: Unique identifier for the acceptance given by the Office of Guarantee per year and country (an12)
 - o Example: '1234AB788966'
- 4: Check digit (n1)
 - o Example: '8'
- 5: Identifier of the individual guarantee by means of voucher (1 letter + 6 digits) or NULL for other guarantee types (an7)
 - o A001017

masterAccessCode:

The master access code for the given guarantee. ASCII characters only and a fixed size of 4.

AccessCode:

This data element contains details regarding the guarantee access codes.

A specific guarantee may only be used by the persons who are authorized to do so. The authentication of these persons will be done by means of a guarantee access code. The guarantee access code can be considered as a secret security code (or kind of password) to secure the use of a specific guarantee.

accessCodeCurrent:

The current access code for the given guarantee. ASCII characters only and a fixed size of 4.

accessCodeNew:

The new desired access code for the given guarantee. ASCII characters only and a fixed size of 4.

For more information, look at the stypes.xsd and XMLSchema.xsd.

XML-examples:

```
<GuaranteeReference>  
  <GRN>23DK1234AB7889668A001017</GRN>  
  <masterAccessCode>XY89</masterAccessCode>  
  <AccessCode>  
    <accessCodeCurrent>AB66</accessCodeCurrent>  
    <accessCodeNew>HER0</accessCodeNew>  
  </AccessCode>  
</GuaranteeReference>
```

