## **12 XML Guide for H7**





### **Table of contents**

L.	The aim of this document	2
1	The aim of this document	3
2.		4
2.1	Glossary	Error! Bookmark not defined.
3.	Systemspecific fields	6
3.1	Systemspecific fields	Error! Bookmark not defined.
unct	ionCode	7
roce	dure Category	7
ИRN	7	
Subm	itter	8
l.	Group 11 - Message information (inclu	iding procedure codes)9
l.1		ing procedure codes) Error! Bookmark not
r. 1	defined.	ing procedure codes, Error: Bookinark not
امداء		10
Jecia	ration type/Additional declaration type	10
<b>5.</b>	Group 12 - References of messages, do	ocuments, certificates,
	authorizations	11
5.1	Group 12 – References of messages, doo Bookmark not defined.	ruments, certificates, authorizations Error!
)rovic		12
		12
.RN	12	
<b>5.</b>	Group 13 - Parties	14
5.1	•	Error! Bookmark not defined.
		15
Repre	sentative	
7.	Group 16 – Places/ Countries/Regions	17
7.1		Error! Bookmark not defined.
	•	
	o o. <sub>0</sub> 0040	
3.		des, means and equipment)23
8.1	Group 16 – Transport information (mode not defined.	es, means and equipment) Error! Bookmark
rans	port Equipment	24

## The aim of this document



#### 1.1 The aim of this document

The aim of this document is to give an in-depth description of the different fields and data elements contained in the XSD-file for H7 based on the European Union Customs Data Model (EUCDM).

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 has influence over how the declaration is processed, what kind of business scenario (e.g., B2B, private to private,
  etc.) 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 import. It
  is here information on the importer, exporter, declarant, fiscal reference, and representative is provided either by ID or other identifiable information depending on
  whether the party is a business or private person.
- **Group 14**: In this section the value of the goods item(s) is provided as well as the postal charges for the transportation of the goods to the final destination. The total value of the goods item(s) is the base for which the VAT is calculated.
- Group 16: This section contains the information on where the goods will be or are
  presented (depending on whether it is a pre-lodged or a standard declaration) as
  well as the Customs Office of presentation.
- Group 19: In this section the submitter supplies more detailed information on the transportation, e.g. equipment, modes, etc.

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 EUCDM code, as well as the SAD-box number in the old system is also provided to help the reader in seeking further information if needed, as well as give a mapping be-tween the old system and the new system when possible.

Lastly, some full XML-examples are provided for specific and commonly used business scenarios to further provide insight in how the rules are applied in the specific scenarios.

## Glossary



For the purpose of making the document shorter and easier to read, some abbreviations are used. Here is given a list of the abbreviations used in this document.

Abbrevia-	Description	Details
M	Mandatory	The field is mandatory to declare.
0	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.
SAD	Single Administrative Document	The SAD is the main customs form used in international trade to or from the European Union Customs Union.
SAD-box	Single Administrative Document box	The box-number of the fields in the old Importsystemet.
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	Extentible 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.

## **System specific fields**



This group of fields are specific to the it-system and is not part of the EUCDM. These fields are mainly used for the system to specify what kind of declaration is sent in, or which one to send requests to.

#### **FunctionCode**

EUCDM 6.1	XSD/XML-name:	XSD-path				
	FunctionCode	Declaration/I	FunctionCode			
None	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
140116	None	n2	None	None	M DL	No/No

#### **Description:**

This data element is the code which indicates what type of request that is being sent, whether it be a submission, amendment, correction, etc. There are predefined codes for each request.

#### Rules/codes/other relevant information:

For an I2 submitted to a H7 it is only possible to use the following code:

- 24: Goods presentation of goods items on an H7 declaration

#### **XML-examples:**

<FunctionCode>24</FunctionCode> --- for goods presentation

#### **Procedure Category**

EUCDM 6.1	XSD/XML-name:	XSD-path				
	ProcedureCategory	Declaration/I	ProcedureCateg	ory		
None	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
None	None	an3	None	None	M	No/No
	None an3		None	NOTIC	DL	140/140

#### **Description:**

This data element indicates what type of declaration is being submitted/amended/corrected/etc.

#### Rules/codes/other relevant information:

There is only one way to fill this data element when it relates to an I2 submitted for an H7 declaration: "H7".

#### **XML-examples:**

<ProcedureCategory>H7</ProcedureCategory>

#### **MRN**

EUCDM 6.1	XSD/XML-name:	XSD-path				
	ID	Declaration	n/ID			
None	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
None	None an18	an18	None	None	MC DL	No/No

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 send as part of the CWMACC notification for an IMA and in the CWMRCV notification for an IMD.

The combination of the 18 characters is, in the time of writing, as follows:

- The last two digits of the year of formal acceptance of the declaration (e.g., '21' for 2021)
  - 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)
  - Consist of 2 letters
- 3. Unique identifier based on year and country (e.g., 21DK04K21LO1)
  - Consist of 12 alphanumeric characters
- 4. Procedure identifier of the declaration (e.g., R for H1, H2, H3, H4, H6, H7 or I2)
  - Consist of 1 alphanumeric character
- 5. Control digit (e.g. '5')
  - Consist of 1 alphanumeric character
- 6. Based on the ISO 6346 algorithm

#### Rules/codes/other relevant information:

Must be the same as for the H7 that I2 is submitted for.

The data is validated against the initial H7 declaration, and the I2 will not be registered for the H7 declaration, if the data does not match.

#### XML-examples:

<ID>21DK123456789012R3</ID>

#### **Submitter**

EUCDM 6.1	XSD/XML-name:	XSD-path	XSD-path				
	Submitter	Declaration/S	Submitter				
None	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A	
None	Name	an70	None	None	M	No	
	ID	an17	None	None	DL	INO	

#### **Description:**

The name and identifier of the company submitting the declaration.

#### Rules/codes/other relevant information:

**Submitter Name:** The CVR/SE-number/EORI given by the client certificate used for the submission of declarations.

**Submitter ID:** The CVR/SE-number/EORI given by the client certificate used for the submission of declarations. This sub-element is optional

#### XML-examples:

<Submitter>

<Name>12345678</Name></ID>12345678</ID>

</Submitter>

## Group 11 - Message information (including procedure codes)



This group of fields contains main information about the declaration such as declaration type, amount of goods items and which kinds of procedures the declaration should be placed under.

#### **Declaration type/Additional declaration type**

EUCDM 6.1	XSD/XML-name:	XSD-path				
11 01 000 000	TypeCode	Declaration/	ГуреCode			
11 01 000 000 and	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
11 02 000 000	None	a3	1/1 and 1/2	1.1	M DL	No/No

#### **Description:**

Indicates what type of action is intended: Goods Presentation.

#### Rules/codes/other relevant information:

The only relevant code to declare in this field, when submitting an I2 declaration, is:

- 'GPR' for presenting goods to an already existing pre-lodged H7 declaration

#### **XML-examples:**

<TypeCode>GPR</TypeCode> --- for presenting goods declared on a pre-lodged declaration.

Group 12 - References of messages, documents, certificates, authorizations



This group of fields includes all extra relevant information and documents, as well as reference numbers to the declaration.

#### **Previous Document**

EUCDM 6.1	XSD/XML-name:	XSD-path						
12 01 000 000	PreviousDocument	Declaration/	Declaration/GoodsShipment/PreviousDocument					
	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A		
None	SequenceNumeric	n5			0			
12 03 002 000	CategoryCode	an3						
12 03 001 000	ID	an70	2/1	40	_	Yes/Yes		
12 03 002 000	TypeCode	an3			GSL			
None	LineNumeric	n5						

#### **Description:**

Information relating to a previous document, an example could be the air waybill.

#### Rules/codes/other relevant information:

Mandatory if relevant for identification of the goods.

If one subfield is filled, all subfields must be filled.

For relevant codes to fill in CategoryCode and TypeCode, see: https://www.skat.dk/skat.aspx?old=1658884

- CategoryCode should be filled according to the 'Dok kat'-column
- TypeCode should be filled according to the 'Dok art'-column.

To refer multiple documents, repeat this element the required number of times and fill in **SequenceNumeric** sequentially starting at 1.

#### **XML-examples:**

<PreviousDocument>

- <SequenceNumeric>1</SequenceNumeric>
- <CategoryCode>X</CategoryCode>
- <ID>AirWaybill123</ID>
- <TypeCode>740</TypeCode>
- <LineNumeric>1</LineNumeric>
- </PreviousDocument>

#### **LRN**

EUCDM 6.1	XSD/XML-name:	XSD-path				
	FunctionalReferenceID	Declaration/	Declaration/ FunctionalReferenceID			
12 09 000 000	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
12 03 000 000	None	an22 (an24)	2/5	None	М	No/No

#### **Description:**

LRN – The local reference number (LRN) shall be used. It is nationally defined and allocated by the declarant in agreement with the competent authorities to identify each single declaration.

#### Rules/codes/other relevant information:

No special characters are allowed.

Must be identical to the LRN declared on the initial H7 declaration.

Note:

The LRN can only be over 22 characters (up to 24 characters) if used to present goods to an H7 declaration submitted using the EUCDM 5.2 data model, and with an LRN number above 22 characters.

#### XML-examples:

<FunctionalReferenceID>140721DKQXYMEEW</FunctionalReferenceID>
<FunctionalReferenceID>9754349057254</functionalReferenceID>

## **Group 13 - Parties**



This group of fields describes all the involved parties for the imported goods.

#### **Declarant**

EUCDM 6.1	XSD/XML-name:	XSD-path	XSD-path					
13 05 000 000	Declarant	Declaration/	Declaration/Declarant					
	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A		
13 05 016 000	Name	an70						
13 05 017 000	ID	an17						
13 05 018 000	Address		3/17		0			
13 05 018 022	CityName	an35	and	14	0	Yes/No		
13 05 018 020	CountryCode	a2	3/18		DL			
13 05 018 019	Line	an70						
13 05 018 021	PostCodeID	an9						

#### **Description:**

ID, name and address of the person or company importing the goods.

Importer and declarant can be the same.

#### Rules/codes/other relevant information:

Cannot be changed from private EORI to non-private EORI.

The required information is specified by the EORI number in 3/18 – Declarant ID:

- If Declarant ID is 'DK09999981' then the Name and Address fields must be filled.
- If Declarant ID is not 'DK09999981' then the Name and Address fields must not be filled.

**It is optional to declare 13 05 074 016 – Declaration Contact.** If filled all subfields have to be filled, and both a 13 05 074 076 - E-mail address and 13 05 074 075 - Phone number is required, see XML-examples below.

The **TypeCode** indicates if it an e-mail address or a telephone number, and uses the following codes:

- 'EM' E-mail address
- 'TEL' Telephone Number

It is possible to declare up to 9 Contacts.

#### XML-examples:

#### If Declarant ID is 'DK09999981':

```
<Declarant>
    <Name>Declarant Name</Name>
    <ID>DK09999981</ID>
    <Address>
         <CityName>City name</CityName>
         <CountryCode>DK</CountryCode>
         <Line>Street name 123</Line>
         <PostcodeID>1234</PostcodeID>
         </Address>
</Declarant>
```

#### If Declarant ID is not 'DK09999981':

```
<Declarant>
<ID>DK12345678</ID>
</Declarant>
```

#### Representative

EUCDM 6.1	XSD/XML-name:	XSD-path					
13 06 000 000	Agent	Declaration/	Declaration/Agent				
	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A	
			3/20		0		
13 06 017 000	Name	an17	and	14	DL	Yes/No	
13 06 030 000	FunctionCode	n1	3/21		DL		

#### **Description:**

Identification of party authorized to act on behalf of another party.

#### Rules/codes/other relevant information:

Can currently only be declared or corrected if also declared on the preceding H7 declaration.

**ID:** This should be the EORI number of the representative party.

FunctionCode: There are two valid codes to declare in this field:

- '2': Direct representation

- '3': Indirect representation

#### XML-examples:

#### **Direct representation:**

<Agent>

<ID>DK12345678</ID>

<FunctionCode>2</FunctionCode>

</Agent>

#### Indirect representation:

<Agent>

<ID>DK12345678</ID>

<FunctionCode>3</FunctionCode>

</Agent>

## **Group 16 – Places/ Countries/Regions**



This group identifies where the goods will be/are presented.

#### **Location of goods**

EUCDM 6.1	XSD/XML-name:	XSD-path	XSD-path						
16 15 000 000	GoodsLocation	Declaration	Declaration/GoodsShipment/Consignment/GoodsLocation						
	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A			
16 15 036 000	Name	n17							
16 15 053 000	ID	an4							
16 15 045 000	TypeCode	a1							
16 15 018 000	Address								
16 15 046 000	TypeCode	a1							
16 15 018 022	CityName	an35							
16 15 018 020	CountryCode	a2							
16 15 018 019	Line	an70	5/23	30	MC	Yes/Yes			
16 15 018 021	PostCodeID	an9	5/25	30	GSL	165/165			
16 15 052 000	authorisationReferenceNumber	an35							
16 15 047 000	CustomsOffice								
16 15 047 001	identification	an8							
16 15 048 049	latitude	an17							
16 15 048 050	longitude	an17							
16 15 051 000	EconomicOperator								
16 15 051 017	identification	an17							

#### **Description:**

The location of the goods.

The sub elements describe the following:

Name: UN/LOCODEID: Additional identifierTypeCode: Type of location

- Address:

- TypeCode: Qualifier of identification

- CityName: Name of city

- CountryCode: The country code

Line: Street namePostCodeID: Post code

- authorisationReferenceNumber: Authorisation number

- CustomsOffice:

- identification: Customs Office ID

latitude: Latitude coordinatelongitude: Longitude coordinate

- EconomicOperator:

- Identification: EORI number

#### Rules/codes/other relevant information:

Mandatory for a standard H7 declaration (IMA).

#### Type of location:

The type of location, and how it is declared, is given by the fields: TypeCode and IdentificationType. For declaring the location of goods there are predefined codes for indicating the type of location and how it is declared with specific possible values and combinations:

#### TypeCode (Type of location)

This TypeCode Indicates the type of location where the goods will be presented.

The TypeCodes and their types of locations are:

- 'A': Designated place
- 'B': Authorised place NOT possible to use yet
- 'C': Approved place
- **'D'**: Other

#### - IdentificationType (Qualifier of identification - indicates how the location will be declared)

The Address/TypeCode will indicate how the location will be declared/described.

The Address/TypeCodes are:

- 'U': UN/LOCODE
- 'V': Customs Office ID
- 'W': GNSS coordinates currently unavailable
- 'X': EORI number currently unavailable
- 'Y': Authorisation number NOT possible to use yet
- 'Z': Free text

#### The valid combinations for the two fields are:

- 'A' and 'U': Designated place identified by UN/LOCODE (eg. DKCPH for Copenhagen)
- 'A' and 'V': Designated place identified by Customs Office ID (eg. 007900 for Skattecenter København)
- '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. currently unavailable
- 'D' and 'X': Other place identified by an EORI number. currently unavailable

#### Name:

What to fill in this field is given by the **Qualifier of identification**, meaning that if:

- **IdentificationType = 'U':** this field should be the UN/LOCODE (eg. 'DKCPH-0011').
- IdentificationType = 'V': this field should not be filled.
- IdentificationType = 'W': this field should not be filled. currently unavailable
- IdentificationType = 'X': this field should not be filled. currently unavailable
- **IdentificationType = 'Z'** this field should **not** be filled.

#### ID:

What to fill in this field is given by the **Type of location**, meaning that if:

- **IdentificationType = 'U':** this field should **not** be filled.
- IdentificationType = 'V': this field should not be filled.
- IdentificationType = 'W': this field should not be filled. currently unavailable
- IdentificationType = 'X': this field can be filled with an additional identifier. currently unavailable
- **IdentificationType = 'Z'** this field should **not** be filled.

#### TypeCode (Type of location):

Valid codes for the type of location:

- 'A': Designated place (can be combined with IdentificationType: 'U' and 'V')
- 'C': Approved place (can be combined with IdentificationType: 'Z')
- 'D': Other (can be combined with IdentificationType: 'Z', 'X' and 'W')

#### IdentificationType (Qualifier of identification):

Valid codes for the type of location:

- 'U': UN/LOCODE (can be combined with TypeCode: 'A')
- 'V': Customs Office ID (can be combined with TypeCode: 'A')

- 'W': GNSS coordinates (can be combined with TypeCode: 'D') currently unavailable
- 'X': EORI number (can be combined with TypeCode: 'D') currently unavailable
- 'Y': Authorisation number (can be combined with TypeCode: 'B') NOT possible to use yet
- 'Z': Free text (can be combined with TypeCode: 'C' and 'D')

#### Address:

#### **CityName**

City name of the location of goods.

Should only be filled when IdentificationType = 'Z'.

#### CountryCode

Country code of the location of goods.

Should only be filled when IdentificationType = 'Z'.

#### Line

Street name and street number of the location of goods.

Should only be filled when **IdentificationType = 'Z'**.

#### **PostCodeID**

Post code of the location of goods.

Should only be filled when IdentificationType = 'Z'.

#### authorisationReferenceNumber:

Authorisation number.

Should only be filled when IdentificationType = 'Y' - NOT possible to use yet

#### **CustomsOffice:**

#### identification

Customs Office ID.

Should only be filled when **IdentificationType = 'V'**.

See the list of Customs Office ID's here: <a href="https://ec.europa.eu/taxation\_customs/dds2/rd/rd">https://ec.europa.eu/taxation\_customs/dds2/rd/rd</a> search home.jsp?Lang=en

#### latitude:

Latitude coordinate of the location of goods.

Should only be filled when IdentificationType = 'W'. - currently unavailable

#### longitude:

Longitude coordinate of the location of goods.

Should only be filled when **IdentificationType = 'W'. – currently unavailable** 

#### **EconomicOperator:**

#### identification

EORI number of Economic Operator.

Should only be filled when IdentificationType = 'X'. - currently unavailable

#### XML-examples:

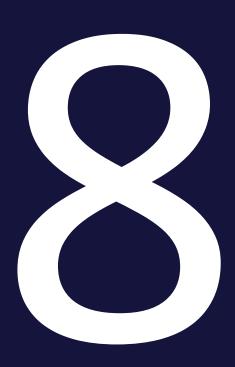
#### For TypeCode 'A' and IdentificationType 'U':

```
<Consignment>
<GoodsLocation>
<Name>DKFDH</Name>
<ID>0003</ID>
<TypeCode>A</TypeCode>
```

```
<IdentificationType>U</IdentificationType>
           </GoodsLocation>
        </Consignment>
For TypeCode 'A' and IdentificationType 'V':
        <Consignment>
           <GoodsLocation>
              <TypeCode>A</TypeCode>
              <IdentificationType>V</IdentificationType>
             <CustomsOffice>
                 <identification>DK004700</identification>
             </CustomsOffice>
           </GoodsLocation>
        </Consignment>
For TypeCode 'C' and IdentificationType 'Z':
        <Consignment>
           <GoodsLocation>
              <TypeCode>C</TypeCode>
              <IdentificationType>Z</IdentificationType>
                 <CityName>City name</CityName>
                 <CountryCode>DK</CountryCode>
                 <Line>Street name 123</Line>
                 <PostcodeID>1234</PostcodeID>
              </Address>
           </GoodsLocation>
        </Consignment>
For TypeCode 'D' and IdentificationType 'Z':
        <Consignment>
           <GoodsLocation>
              <TypeCode>D</TypeCode>
              <IdentificationType>Z</IdentificationType>
              <Address>
                 <CityName>City name</CityName>
                 <CountryCode>DK</CountryCode>
                 <Line>Street name 123</Line>
                 <PostcodeID>1234</PostcodeID>
              </Address>
           </GoodsLocation>
        </Consignment>
For TypeCode 'D' and IdentificationType 'W':
        <Consignment>
           <GoodsLocation>
              <TypeCode>D</TypeCode>
              <IdentificationType>W</IdentificationType>
             <latitude>55.67594</latitude>
             <longitude>45.67594</longitude>
        </Consignment>
For TypeCode 'D' and IdentificationType 'X':
        <Consignment>
           <GoodsLocation>
              <TypeCode>D</TypeCode>
```

```
</dentificationType>X</ldentificationType>
  <EconomicOperator>
      <identification>DK12345678</identification>
      </EconomicOperator>
      </GoodsLocation>
  </Consignment>
```

# Group 19 - Transport information (modes, means and equipment)



This group provides information on transportation.

#### **Transport Equipment**

EUCDM 6.1	XSD/XML-name:	XSD-path				
19 07 000 000	TransportEquipment	Declaration/GoodsShipment/Consignment/TransportEquipment				
	Sub elements	Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
19 07 044 000	SequenceNumeric	n5	New	None	0	No/Yes
19 07 063 000	ID	an17			GSL	

#### **Description:**

Information about the transport equipment.

#### Rules/codes/other relevant information:

Mandatory if goods come in container.

SequenceNumeric: Goods reference – the goods item number(s) in the container

**ID:** Container identification number

#### XML-examples:

#### **Direct representation:**

<TransportEquipment> <SequenceNumeric>1</SequenceNumeric> <ID>12345678</ID>

</TransportEquipment>