I2 XML Guide for H7

Version 1.2

Table of contents

The aim of this document

1

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 I2 – Goods Presentation 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 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.

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

2

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-tion	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 de-pendent on other information given in the declaration, e.g., type of dec-laration 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.
C/A	Corrected/Amended	Can be corrected or amended to the H7 declaration with an I2 Goods Presentation. If 'Yes' to correction it is possible to correct the initial information given on the H7 declaration. if 'No, then the information cannot be cor-rected and should match the infor-mation from the initial H7 declara-tion. If 'Yes' to amendment it is possible to amend information to the initial H7 declaration. If 'No' then there is no possibility to amend extra infor-mation to the H7 declaration.
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	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.

System specific fields

3

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				
None	FunctionCode		Declaration/FunctionCode				
	Sub elements		Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
	None		n..2	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				
None	ProcedureCategory		Declaration/ProcedureCategory				
	Sub elements		Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
	None		an..3	None	None	M DL	No/No
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				
None	ID		Declaration/ID				
	Sub elements		Format	EUCDM 5.2	SAD-box no.	Mandatory?	C/A
	None		an..18	None	None	MC DL	No/No
Description:							

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			
None	Submitter		Declaration/Submitter			
	Sub elements	**Format**	**EUCDM 5.2**	**SAD-box no.**	**Mandatory?**	**C/A**
	Name ID	an..70 an..17	None	None	M DL	No/No
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 (inclu-ding procedure codes)

4

This group of fields contains main information about the declaration such as declaration type, number 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				
	TypeCode		Declaration/TypeCode				
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

5

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/GoodsShipment/PreviousDocument				
	Sub elements	**Format**	**EUCDM 5.2**	**SAD-box no.**	**Mandatory?**	**C/A**
None	SequenceNumeric	n..5				
12 03 002 000	CategoryCode	an..3				
12 03 001 000	ID	an..70	2/1	40	O GSL	No/Yes
12 03 002 000	TypeCode	an..3				
None	LineNumeric	n..5				

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?oId=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>Z</CategoryCode>*   *<ID>ComInvoice123</ID>*   *<TypeCode>380</TypeCode>*   *<LineNumeric>1</LineNumeric>*   *</PreviousDocument>*

LRN

EUCDM 6.1	XSD/XML-name:	XSD-path				
	FunctionalReferenceID	Declaration/ FunctionalReferenceID				
12 09 000 000	**Sub elements**	**Format**	**EUCDM 5.2**	**SAD-box no.**	**Mandatory?**	**C/A**
	None	an..22 (an..24)	2/5	None	M	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

6

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

Declarant

EUCDM 6.1	XSD/XML-name:	XSD-path				
13 05 000 000	Declarant	Declaration/Declarant				
	Sub elements	**Format**	**EUCDM 5.2**	**SAD-box no.**	**Mandatory?**	**C/A**
13 05 016 000	Name	an..70				
13 05 017 000	ID	an..17				
13 05 018 000	Address		3/17			
13 05 018 022	CityName	an..35	and	14	O	No/No
13 05 018 020	CountryCode	a2	3/18		DL	
13 05 018 019	Line	an..70				
13 05 018 021	PostCodeID	an..9				

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

Rules/codes/other relevant information:
The required information is specified by the EORI number in 13 05 017 000 – 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.**

XML-examples:

If Declarant ID is 'DK09999981' (private):

<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/Agent				
	Sub elements	**Format**	**EUCDM 5.2**	**SAD-box no.**	**Mandatory?**	**C/A**
13 06 017 000	Name	an..17	3/20 and	14	O	No/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 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

7

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

Location of goods

EUCDM 6.1	XSD/XML-name:	XSD-path				
16 15 000 000	GoodsLocation	Declaration/GoodsShipment/Consignment/GoodsLocation				
	Sub elements	**Format**	**EUCDM 5.2**	**SAD-box no.**	**Mandatory?**	**C/A**
16 15 036 000	Name	n..17				
16 15 053 000	ID	an..4				
16 15 045 000	TypeCode	a1				
16 15 018 000	Address					
16 15 046 000	TypeCode	a1				
16 15 018 022	CityName	an..35				
16 15 018 020	CountryCode	a2				
16 15 018 019	Line	an..70	5/23	30	MC GSL	Yes/Yes
16 15 018 021	PostCodeID	an..9				
16 15 052 000	authorisationReferenceNumber	an..35				
16 15 047 000	CustomsOffice					
16 15 047 001	identification	an8				
16 15 048 049	latitude	an..17				
16 15 048 050	longitude	an..17				
16 15 051 000	EconomicOperator					
16 15 051 017	identification	an..17				

Description:

The location of the goods.
The sub elements describe the following:
- **Name:** UN/LOCODE
- **ID:** Additional identifier – **currently not in use**
- **TypeCode:** Type of location
- **Address:**
    - **TypeCode:** Qualifier of identification
    - **CityName:** Name of city
    - **CountryCode:** Country code
    - **Line:** Street name
    - **PostCodeID:** Post code
- **authorisationReferenceNumber:** Authorisation number
- **CustomsOffice:**
    - **identification:** Customs Office ID
- **latitude:** Latitude coordinate
- **longitude:** Longitude coordinate
- **EconomicOperator:**
    - **Identification:** EORI number

Rules/codes/other relevant information:

Mandatory if not declared on initial H7 declaration.

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 (e.g., DKCPH-0011 for Copenhagen - Langelinje)
  - **'A'** and **'V':** Designated place identified by Customs Office ID (e.g., DK007900 for Skattecenter København)
  - **'B'** and **'Y':** Authorised place identified by Authorisation number. **- NOT possible to use yet**
  - **'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 (e.g., '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':** fill in the name/ID of the location.

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 (e.g., DK007900).

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

See the list of Customs Office ID's here: https://ec.europa.eu/taxation_customs/dds2/rd/rd_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>DKCPH-0011</Name>
      <TypeCode>A</TypeCode>
      <IdentificationType>U</IdentificationType>
   </GoodsLocation>
</Consignment>
```

For TypeCode 'A' and IdentificationType 'V':

```
<Consignment>
   <GoodsLocation>
      <TypeCode>A</TypeCode>
      <IdentificationType>V</IdentificationType>
      <CustomsOffice>
         <identification>DK007900</identification>
      </CustomsOffice>
   </GoodsLocation>
</Consignment>
```

For TypeCode 'C' and IdentificationType 'Z':

```xml
<Consignment>
    <GoodsLocation>
        <Name>Name of Location</Name>
        <TypeCode>C</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 'Z':

```xml
<Consignment>
    <GoodsLocation>
        <Name>Name of Location</Name>
        <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>
```