



# AIS Schema change log

Version 0.01	
Release date: 04/10/2019	
#	Description
1	Schema created

Version 1.01	
Release date: 04/10/2019	
#	Changes from the previous version
1	Structural updates due to the move to EUCDM version 5.1.  For more details on the changes, please refer to the AIS Message Structure and Schema Change Log spreadsheet.

Version 1.02	
Release date: 17/06/2020	
#	Changes from the previous version
1	A thorough revamp of the Business Rule triggers in the XML elements.
2	The XML element PreferredPaymentMethod_4_8 was added on the declaration level. In this element the declarant states her preferred payment method for all the payables of the items of the declaration. The new field is mandatory for all declarations except H2.  AIS populates the value of this XML element in all the occurrences of the XML element "4/8: Payment Method" (Box_TaxPaymentMethod), under the "Taxes" of the Items of the declaration.
3	The messages IM404, IM428 and IM429 provide summary of the total taxes per tax-type and payment method in the new XML element TaxTypePaymentMethodTotalTaxes. This is the same structures in which the payables are sent to the Revenue's Accounting system.

Version 1.02	
4	<p>The level of detail of the error pointers (XML element FunctionalError) has been enhanced. Now the error pointers include the following XML elements:</p> <ul style="list-style-type: none"> <li>• ErrorReason</li> <li>• ErrorType (new element)</li> <li>• ErrorMessage (new element)</li> <li>• OriginalAttributeValue</li> <li>• ErrorPointer</li> </ul>
5	<p>Some XML elements were renamed to remove references to the “Box 47” of the now deprecated SAD.</p> <ul style="list-style-type: none"> <li>• TaxBox47_type =&gt; TaxBox_type</li> <li>• TaxBox47_4_3bis =&gt; TaxBox_4_3bis</li> <li>• Box47_TaxType =&gt; Box_TaxType</li> <li>• Box47_TaxBase_unit =&gt; Box_TaxBase_unit</li> <li>• Box47_Quantity =&gt; Box_Quantity</li> <li>• Box47_Amount =&gt; Box_Amount</li> <li>• Box47_TaxRate =&gt; Box_TaxRate</li> <li>• Box47_TaxPayableAmount =&gt; Box_TaxPayableAmount</li> </ul>
6	<p>Changes in individual XML elements:</p> <ul style="list-style-type: none"> <li>• The XML element TransportCosts_4_19 added under the element ValuationInformation, in the messages IM429 and IM493.</li> <li>• The XML element MRN was removed from the IM432 message.</li> <li>• The XML element CUSCode_6_13 was renamed to CusCode_6_13</li> <li>• TypePackage_6_9, PackageNumber_6_10 and ShippingMarks_6_11 were made optional.</li> <li>• CombinedNomenclatureCode; its length reduced from 10 to 8.</li> <li>• The XML element WarehouseIdentifier takes values from the WarehouseCode code list.</li> <li>• The XML element IdentificationOfLocation takes values from the LocationOfGoodsCode code list.</li> <li>• The XML element “Representative” in IM432 and TS332 allow for the sub-elements Representative_3_20 and RepresentativeStatus_3_21 (not for the DE 3/19).</li> </ul>

Version 1.03	
Release date: 08/09/2020	
#	Changes from the previous version

Version 1.03	
1	Updated the Business Rule triggers in the XML elements.
2	The amendments and the invalidation messages for D3 (ETD04, ETD05, ETD09, ETD13 and ETD14) have been removed. This means that the D3 declarations cannot be amended or invalidated.
3	The “Importer” XML element is now mandatory in the IM415 and the IM413 messages for the H1, H2, H3, H4, H5, H6 and I1 declarations. It is optional for the H7 declarations.
4	The “HolderOfTheTransitProcedure” XML element is now mandatory in the ETD15, ETD16 and the ETD28 messages.
5	The XML element “VATNumber” was renamed to “vatNumber” in all of its occurrences.
6	The structure of RF415 was revised: <ul style="list-style-type: none"> <li>• The XML element “AttachedDocuments_2_4” is now optional.</li> <li>• The XML element “LocationOfGoods” now resides under the element “DatesPlaces”</li> <li>• The XML element “TypeOfDuty” (VIII/8 Type of import or export duty) is now a single list that includes two elements: UnionCode and NationalCode.</li> </ul>
7	The structure of RF409 was revised: <ul style="list-style-type: none"> <li>• Added the XML element “RefundApplicationAccepted”, under the “HEADER” element. It is true if the refunds application was accepted.</li> <li>• The XML element “AttachedDocuments_2_4” is now optional.</li> <li>• The XML element “TypeOfDuty” (VIII/8 Type of import or export duty) is now a single list that includes two elements: UnionCode and NationalCode.</li> <li>• The XML element “TimeLimit” is now mandatory.</li> <li>• The XML element “DecisionTakingCustomsAuthority” is now mandatory.</li> </ul>
8	Change in RF416: <ul style="list-style-type: none"> <li>• The XML element “FunctionalError” is now optional.</li> </ul>
9	Good Shipment Item list now support up to 99.999 Good Items. The changes were performed in the messages IM415, IM413, IM428, IM429, IM432, IM451, IM460, IM492, IM493, TS315, TS313, TS351, ETD15 and ETD13.
10	The XML element ValuationMethod_4_16 is now mandatory in the IM413 (H1) AND IM415 (H1) declarations.
11	The structure of IM460 was revised: <ul style="list-style-type: none"> <li>• The XML element ControlType was renamed to OverallControlType.</li> <li>• A new complex XML element, namely ControlType was added under the element GoodsShipmentItem. It includes the sub-elements ControlTypeCoded and ControlAgency.</li> </ul>

Version 1.03	
12	<p>The following XML elements are now restraint to get values from Code Lists:</p> <ul style="list-style-type: none"> <li>• ErrorType (multiple messages)</li> <li>• ControlAgency (IM460)</li> <li>• IdentificationOfLocation (multiple messages)</li> <li>• ProcessingProcedure (IM415)</li> </ul>

Version 1.04	
Release date: 10/11/2020	
#	Changes from the previous version
1	<p>The XML element “GoodsShipmentItem”, wherever it is used has now an unlimited cardinality (there is no maxOccurs).</p> <p>Messages affected: ETD15, IM404, IM413, IM415, IM428, IM429, IM432, IM451, IM460, IM493, TS313TS315 and TS351.</p>
2	<p>The code list “CurrencyCodes”, wherever it is used was renamed to “Currencies”.</p> <p>Messages affected: ETD15, IM404, IM413, IM415, IM428, IM429, IM432, IM451, IM460, IM493, TS313TS315 and TS351.</p>
3	<p>The XML element “IdentificationOfGoodsCode”, wherever it is used it is now linked to the code list “IdOfGoods”.</p> <p>Messages affected: ETD15, IM404, IM413, IM415, IM428, IM429, IM432, IM451, IM460, IM493, TS313TS315 and TS351</p>
4	<p>The XML element “RegionDestination_5_9”, wherever it is used it is now of type “an1..9”.</p> <p>Messages affected: IM413, IM415, IM429, IM451 and IM493</p>
5	<p>Under all the usages of the XML element “Exporter_3_1” the following have changes in its children:</p> <ul style="list-style-type: none"> <li>• All the children elements apart from the “Postcode” are now mandatory: “Name”, “StreetAndNumber”, “CountryCode” and “City”.</li> <li>• The XML element “CountryCode” is no more restrained to 2 letters ISO country codes (i.e. it is no more linked to the CountryCodeFullList reference dataset). Any alphanumeric string is now accepted.</li> </ul> <p>The accusations with the WCO codes have been removed (this is informative only).</p> <p>Messages affected: IM413, IM415, IM429, IM451 and IM493</p>

Version 1.04																						
6	<p>The following XML elements are now mandatory, wherever they are used:</p> <ul style="list-style-type: none"> <li>• “IncotermCode”</li> <li>• “RoleCodeAN3”</li> <li>• “VatNumber”</li> </ul> <p>Messages affected: IM413, IM415, IM429, IM451 and IM493</p>																					
7	<p>The XML element “CountryPreferentialOrigin_5_16”, wherever it is used, now accepts only country ISO codes. It does not accept geographical area codes, such as 1011, 1008, etc. Normatively, its type changed to “an2” and it is now linked to the reference dataset: “CountryCodesFullList”.</p> <p>Messages affected: IM413, IM415, IM429, IM451 and IM493</p>																					
8	<p>The XML element “TypePackage_6_9” is now mandatory.</p> <p>Messages affected: ETD15, IM413, IM415, TS313, TS315</p>																					
9	<p>The XML element “ShippingMarks_6_11 mandatory” is now mandatory.</p> <p>Messages affected: ETD15, IM413, IM415, TS313, TS315</p>																					
10	<p>The XML element “DeliveryTerms_4_1” is now mandatory, where is appears.</p> <p>Messages affected: ETD15, IM413, IM415, TS313, TS315</p>																					
11	<p>New XML element “Remarks” under the XML element “Declaration” was renamed to “DetailsAmended”.</p> <p>Messages affected: IM460</p>																					
12	<p>The XML element “ControlType” as renamed to “OverallControlType”</p>																					
13	<p>The following XML elements were added under the XML element: “GoodsShipmentItem”</p> <table border="1"> <tbody> <tr> <td>4</td> <td>---- Control Type</td> <td>ControlType</td> <td></td> <td>1..</td> <td>Complex</td> <td></td> </tr> <tr> <td>5</td> <td>----- Control Type Coded</td> <td>ControlTypeCoded</td> <td></td> <td>1..1</td> <td>an1..6</td> <td>ControlType</td> </tr> <tr> <td>5</td> <td>----- Control Agency</td> <td>ControlAgency</td> <td></td> <td>0..1</td> <td>an1..70</td> <td>ControlAgency</td> </tr> </tbody> </table> <p>Messages affected: IM460</p>	4	---- Control Type	ControlType		1..	Complex		5	----- Control Type Coded	ControlTypeCoded		1..1	an1..6	ControlType	5	----- Control Agency	ControlAgency		0..1	an1..70	ControlAgency
4	---- Control Type	ControlType		1..	Complex																	
5	----- Control Type Coded	ControlTypeCoded		1..1	an1..6	ControlType																
5	----- Control Agency	ControlAgency		0..1	an1..70	ControlAgency																
14	<p>The length of the XML element “ApplicationReferenceld” was extended from “an18” to “an22”.</p> <p>Messages affected: RF409, FR415 and RF416</p>																					

Version 1.04	
15	<p>The following XML elements were made mandatory:</p> <ul style="list-style-type: none"> <li>• “GoodsShipment”</li> <li>• “TransportInformation”</li> <li>• “TransportInformation / BorderTransportMeansId_7_14”</li> <li>• “TransportInformation / IdentificationType”</li> </ul> <p>“TransportInformation / IdentificationNumber”</p> <p>Message affected: TS332</p>
16	<p>The “Document” XML element was made mandatory.</p> <p>Message affected: IM483</p>
17	<p>The “ValuationInformation” XML element was made mandatory on the goods shipment level.</p> <p>Message affected: IM413, IM415</p>
18	<p>The “TransportInformation” XML element was made mandatory.</p> <p>The “Packaging” XML element was made mandatory.</p> <p>Message affected: TS313, TS315</p>
19	<p>The “GoodsDescription_6_8 optional” XML element was made optional.</p> <p>Message affected: TS313, TS315</p>
20	<p>The code list “CurrencyCodes” was renamed to “Currencies”, wherever it is used.</p>
21	<p>The XML element “IdentificationOfGoodsCode” is now linked to the Code List “IdOfGoods” wherever it is used.</p>
22	<p>The XML element “GoodsShipment” was added in the message IM484. It wraps the XML element “AdditionalInformation”.</p>

Version 1.05	
Release date: 23/12/2020	
#	Changes from the previous version

Version 1.05	
23	<p>The type of the XML element “TypeOfPackages” was changed from n16,6 to an1..2, wherever the element is used.</p> <p>Messages affected: IM413, IM415, IM429, IM451 and IM493.</p>

Version 1.06	
Release date: 19/01/2021	
#	Changes from the previous version
1	<p>The version introduces no changes in the schemas. It only brings changes in the Business Rules, plus one new item in the “Common documents” code list.</p>

Version 1.07	
Release date: 24/03/2021	
#	Changes from the previous version
1	<p>This version 1.07 includes the new messages for the H7 declarations.</p> <p>The new H7 declarations comply with the EUCDM 6.0 r1. This has a completely different structure than the H1, ..., H6 declarations that comply with the EUCDM 5.1.</p> <p>There are no changes in the already published schemas for the Entry, H1-H6, I1 and Temporary storage declarations.</p>

Version 1.08	
Release date: 17/06/2021	
#	Changes from the previous version
1	<p>The XML element “DeclarationType_1_1”, wherever it is used, it does not support any more the value “H7”. H7 declarations are declared separately.</p> <p>Messages affected: IM413, IM415, IM415V, IM416, IM428, IM429, IM451 and IM493</p>



Version 1.08	
2	<p>IM413 for H7 and IM415 for H7. New optional XML elements, under the existing XML "DutiesAndTaxes"</p> <p>----- Tax Type</p> <p>----- Base Measurement unit and qualifier</p> <p>----- Base Amount</p> <p>The trader does not declared in any of these XML elements. The three values are only used by the AIS system.</p>
3	<p>The following XML elements were optional in IM413 for H7. Now they are mandatory:</p> <p>----- 14 14 000 000 - Item amount invoiced Value</p> <p>----- 14 14 014 000 - Item amount invoiced ValueAmount</p> <p>----- 14 14 012 000 - Currency ValueCurrency</p> <p>----- 18 06 000 000 - Packaging Packaging</p> <p>----- 18 06 004 000 - Number of packages PackagingNumberOfPackages</p>
4	<p>The following XML elements were mandatory in IM413 for H7. Now they are optional:</p> <p>----- 18 02 000 000 - Supplementary units SupplementaryUnits</p> <p>----- 18 04 001 000 - Gross mass GrossMass</p> <p>----- 18 02 001 000 - Supplementary units SupplementaryUnits</p>

Version 1.08	
5	<p>The following XML elements were optional in IM415 for H7. Now they are mandatory:</p> <ul style="list-style-type: none"> <li>----- 18 06 000 000 - Packaging Packaging</li> <li>----- 18 06 004 000 - Number of packages PackagingNumberOfPackages</li> </ul>
6	<p>The following XML elements were mandatory in IM415 for H7. Now they are optional:</p> <ul style="list-style-type: none"> <li>----- 18 02 000 000 - Supplementary units SupplementaryUnits</li> <li>----- 18 04 001 000 - Gross mass GrossMass</li> <li>----- 18 02 001 000 - Supplementary units SupplementaryUnits</li> </ul>
7	<p>The following XML elements were optional in IM429 for H7. Now they are mandatory:</p> <ul style="list-style-type: none"> <li>----- 14 14 000 000 - Item amount invoiced Value</li> <li>----- 14 14 014 000 - Item amount invoiced ValueAmount</li> <li>----- 14 14 012 000 - Currency ValueCurrency</li> <li>----- 18 06 000 000 - Packaging Packaging</li> <li>----- 18 06 004 000 - Number of packages PackagingNumberOfPackages</li> </ul>

Version 1.08	
8	<p>The following XML elements were mandatory in IM429 for H7. Now they are optional:</p> <p>----- 18 02 000 000 - Supplementary units            SupplementaryUnits</p> <p>----- 18 04 001 000 - Gross mass            GrossMass</p>
9	<p>The following XML elements were mandatory in IM432 for H7. Now they are optional:</p> <p>--- Goods Shipment Item            GovernmentAgencyGoodsItem</p> <p>--- Goods Shipment Item            GovernmentAgencyGoodsItem</p> <p>---- Goods item number            GoodsItemNumber</p>
10	<p>The following XML elements were optional in IM433 for H7. Now they are mandatory:</p> <p>--- Parties            Parties</p> <p>---- Declarant            Declarant</p>

Version 1.08	
11	<p>The following XML elements were optional in IM451 for H7. Now they are mandatory:</p> <ul style="list-style-type: none"> <li>----- Item Amount Invoiced Intrinsic Value ItemAmountInvoicedIntrinsicValue</li> <li>----- 14 14 000 000 - Item amount invoiced Value</li> <li>----- 14 14 014 000 - Item amount invoiced ValueAmount</li> <li>----- 14 14 012 000 - Currency ValueCurrency</li> </ul>
12	<p>The following XML elements were mandatory in IM451 for H7. Now they are optional:</p> <ul style="list-style-type: none"> <li>----- 18 02 000 000 - Supplementary units SupplementaryUnits</li> <li>----- 18 04 001 000 - Gross mass GrossMass</li> <li>----- 18 02 001 000 - Supplementary units SupplementaryUnits</li> <li>----- 18 06 000 000 - Packaging Packaging</li> <li>----- 18 06 004 000 - Number of packages PackagingNumberOfPackages</li> </ul>
13	<p>The following XML elements were renamed in RF415 for H7</p> <p>From: GoodsDescription_5_2 To: GoodsDescription</p> <p>From: Date_4_2 To: Date</p>

Version 1.09	
Release date: 14/07/2021	
#	Changes from the previous version
1	<p>The XML element "DeclarationType_1_1", wherever it is used, it does not support any more the value "H7". H7 declarations are declared separately.</p> <p>Messages affected: IM413, IM415, IM415V, IM416, IM428, IM429, IM451 and IM493</p>
2	<p>The XML element "DeclarationType_1_1", in the declaration types H7 is hard-coded to the string "H7".</p> <p>Messages affected: IM413 (H7), IM415 (H7), IM415V (H7), IM416 (H7), IM428 (H7), IM429 (H7), IM451 (H7) and IM493 (H7).</p>
3	<p>The business rules that validate the commodity code in the DE 6/14 and the DE 6/15 (BR0020) has been deactivated. This is a temporary measure that remains in place until BR0020 is enhanced to validate the commodity code against a specific, given date.</p>
4	<p>The DE "QuotaOrderNumber_8_1" is not connected to the code list "QuotaNo". This is due to an issue in validating the Business Rule BR0020 for quotas in the past. The trader still needs to declare in the DE "QuotaOrderNumber_8_1" a quota number that is valid on the Acceptance Date.</p> <p>Messages affected: IM413, IM415, IM429, IM451 and IM493.</p>
5	<p>The XML element "CountryDestination_5_8", only in ETD15, it was linked to the Code List "CountryCodesEU". Now it is linked to the Code List "CountryCodesFullList".</p> <p>Messages affected: Only ETD15.</p>
6	<p>The XML element "Packaging" in ETD15, is now mandatory. It was optional.</p> <p>Messages affected: Only ETD15.</p>
7	<p>The XML element "ShippingMarks_6_11", is now optional. It was mandatory.</p> <p>Messages affected: ETD15, IM413, IM415, TS313 and TS315.</p>

Version 1.10	
Release date: 07/10/2021	
#	Changes from the previous version

Version 1.10	
8	<p>The messages RD409, RD415 and RD416 have been removed from the H7 specifications. The message were never used in the H7 business.</p> <p>XSDs removed: H7/RD409, H7/RD415 and H7/RD416</p>
9	<p>The XML complex elements “HolderOfTheTransitProcedure_3_22” and “Consignee_3_9” have been restructured</p> <p>Messages affected: ETD15, ETD16 and ETD18.</p>
10	<p>The lengths of the following elements are now strictly defined:</p> <ul style="list-style-type: none"> <li>• “TaxType” → 3</li> <li>• “TaxPaymentMethod” → 1</li> <li>• “Box_TaxBase_unit” → from 1 to 6</li> <li>• “CountryCode” → 2</li> </ul>

Version 1.11	
Release date: 23/11/2021	
#	Changes from the previous version
1	<p>In some messages, the length of the XML element “RejectionReason” was 35 characters and in some others it was 350 characters. Now the length is 350 in all messages and usages.</p> <p>Messages affected: IM451 (H1-H6, I1) and IM451 (H7)</p>
2	<p>The XML element “Procedure” was mandatory in the message RD415 (H1-H6, I1). Now it is optional as in all other relevant (RD* and RF*) messages.</p>
3	<p>The XML element “ValuationInformation” was mandatory in the following messages. Now it is optional.</p> <p>Affected messages: IM413 (H7), IM415 (H7)</p>
4	<p>The XML element “TransportDocument” was mandatory in the following messages. Now it is optional.</p> <p>TransportDocument</p> <p>Affected messages: IM413 (H7), IM415 (H7), IM451 (H7)</p>

Version 1.12	
Release date: 14/02/2022	
#	Changes from the previous version
1	<p>The legal basis code (an1) and the legal basis subdivision (an2) were merged into one element, the new legal basis code (an3).</p> <p>Messages affected: RF409, RF415, (H1-H6, I1) and IM451 (H7)</p>

Version 1.13	
Release date: 27/04/2022	
#	Changes from the previous version
1	<p>The following complex XML elements were optional in the following messages. Now they are mandatory.</p> <ul style="list-style-type: none"> <li>Parties</li> <li>Declarant</li> </ul> <p>Affected messages: IM414 (AIS)</p>
2	<p>The structure of the following, complex sub-elements of the complex XML element Authorisation_8f has been significantly revamped:</p> <ul style="list-style-type: none"> <li>Parties</li> <li>IdentificationOfGoods</li> <li>ConditionsAndTerms</li> <li>ActivitiesAndProcedures</li> <li>Others</li> </ul> <p>Affected messages: IM415 (H1)</p>

Version 1.14	
Release date: 14/06/2022	
#	Changes from the previous version
	No changes have been made in the structures of the XML messages

Version 1.15	
Release date: 18/11/2022	
#	Changes from the previous version
1	<p>The format of the following XML elements changed from string an1..2 to string an2</p> <ul style="list-style-type: none"> <li>• Period</li> <li>• Deadline</li> </ul> <p>Affected messages: IM415 (AIS) and IM413 (AIS)</p>

Version 1.16	
Release date: 08/05/2023	
#	Changes from the previous version
	The version introduces no changes in the schemas. It only brings changes in the Business Rules.