



UNCTAD

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

SINGLE ADMINISTRATIVE DOCUMENT (SAD)

XML MESSAGE DESCRIPTION

ASYCUDA



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Introduction

The United Nations Conference on Trade and Development (UNCTAD) as part of its ASYCUDA Programme has developed applications, which allow the electronic data interchange (EDI) between Customs Administrations and the trade community.

The present document will explain how declarants can submit electronically data from a single administrative document (SAD) in XML format.

ASYCUDA World XML SAD Message Format

General Description

The ASYCUDA WORLD detailed declaration document SAD (Single Administrative Document), can be exported/imported using XML file directly from the client's user application. Inside the toolbar of the detailed declaration e-document, you can press the buttons

for: Import XML File  or Export XML File 

SAD Data Stream

The structure of the XML message consists of two big data segments:

- The general segment of the declaration: <Sad>
- Detailed data for each item of the declaration: <Items>

The general segment is composed by the following sub segments (see ANNEX A):

1. Declaration identification: <Identification>
2. Trader's information: <Traders>. This sub-segment also is divided in another 3 sub segments:
 - a. Exporter information: <Exporter>
 - b. Consignee information: <Consignee>
 - c. Trader financial settlement information: <Financial>
3. Declarant segment: <Declarant>
4. General information segment: <General_information>
5. Transport information: <Transport>
6. Financial information: <Financial>
7. Warehouse information: <Warehouse>
8. Transit information (for transit declaration): <Transit>
9. Valuation note information: <Valuation>
10. Containers information: <Containers>
11. Previous declaration information (for suspense procedures): <Previous_declarations>
12. Loading list information (for transit declaration): <Loading_list>

The item segment is composed as follows (see ANNEX B):

1. Packages information: <Packages>
2. Tariff information: <Tariff>. This sub-segment also is divided in another X subsegments:
 - a. Harmonized system commodity description: <Harmonized_system>
 - b. Supplementary units information: <Supplementary_unit>

- c. Quota information: <Quota>
3. Goods description: <Goods_description>
4. Valuation item note information: <Valuation_item>
5. Attached documents: <Attached_documents>
6. Previous documents description: <Previous_document>
7. Additional information segment: <Additional_information>

The XML file message must have information about only one declaration and can accept a larger number of items. Be aware that you can obtain extra elements at the time of export the declaration, those extra elements are for information purpose and are discarded when you import XML files.

SAD Data Stream Tag Description

The tables in this section provide information about each Tag, including the format, their use (optional or mandatory), and tag name. Please note that the tag use (optional or mandatory) is independent of the model of declaration, the majority of the elements are optional and their use will depend of the configuration of each model of declaration.

The format specified for each tag can be one of the following types; the number (#) sign should be replaced with the actual length required:

Format	Definition	Examples
INT	Integer number up to 18 digits	1 8758943
N#	Decimal number up to 18 digits including decimal places and point.	N5 =>10.00 N5 =>4789 N8 =>556.259
AN#	Alphanumeric string.	AN1 =>C AN35 =>JOHN DOE
DATE	Date format yyyy-MM-dd	2007-12-31
TIME	Time format hh:mm:ss	12:30:00
BOOLEAN	Two possible values: <ul style="list-style-type: none"> • true • false 	

General Segment of the declaration

SEGMENT: <Sad> / < Identification >			
TAG NAME	FORMAT	USE	DESCRIPTION

<Manifest_reference_number>	AN28	Optional	Manifest reference number. Its composed of two or three components (white space delimited): <ul style="list-style-type: none"> • Customs office code (Optional) • Manifest reference year (Mandatory) • Manifest reference number (Mandatory)
< Total_number_of_packages>	N6	Mandatory	Total number of packages (Sum of items package)

SEGMENT: <Sad> / <Identification > / < Office_segment>

TAG NAME	FORMAT	USE	DESCRIPTION
<Customs_clearance_office_code>	AN5	Mandatory	Customs office code where declaration will be submitted
<Customs_clearance_office_name>	AN35	Mandatory	Customs office name where declaration will be submitted

SEGMENT: <Sad> / < Identification > / < Type >

TAG NAME	FORMAT	USE	DESCRIPTION
< Type_of_declaration >	AN3	Mandatory	Model (or type) of declaration
< General_procedure_code >	N1	Mandatory	General procedure of declaration
< Type_of_transit_document >	INT	Optional	NOT USED

SEGMENT: <Sad> / <Traders> / < Exporter >

TAG NAME	FORMAT	USE	DESCRIPTION
<Exporter_code>	AN17	Optional	Exporter code
<Exporter_name>	AN175	Optional	Exporter name and address

SEGMENT: <Sad> / <Traders> / < Consignee >

TAG NAME	FORMAT	USE	DESCRIPTION
< Consignee_code >	AN17	Optional	Consignee code
< Consignee_name >	AN175	Optional	Consignee name and address

SEGMENT: <Sad> / <Traders> / < Financial>

TAG NAME	FORMAT	USE	DESCRIPTION
<Financial_code>	AN17	Optional	Responsible of financial settlement code
<Financial_name>	AN175	Optional	Responsible of financial settlement name and address

SEGMENT: <Sad> / < Declarant >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Declarant_code>	AN17	Optional	Declarant code
<Declarant_name>	AN175	Mandatory	Declarant name and address
<Declarant_representative>	AN35	Optional	Representative of declarant name

SEGMENT: <Sad> / < Declarant > / < Reference>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Number>	AN17	Optional	Declarant reference

SEGMENT: <Sad> / < General_information>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Value_details>	N15	Optional	Value details
<CAP>	AN5	Optional	Common agricultural policy reference code
<Comments_free_text>	AN7000	Optional	Free comments field

SEGMENT: <Sad> / < General_information> / < Country>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Country_first_destination>	AN3	Optional	Country of first destination code / last provenance code
<Trading_country>	AN3	Optional	Trading country code

SEGMENT: <Sad> / < General_information> / < Country> / < Export>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Export_country_code>	AN3	Optional	Country of export code
<Export_country_name>	AN35	Optional	Country of export name
<Export_country_region>	AN4	Optional	Country of export, region code

SEGMENT: <Sad> / < General_information> / < Country> / < Destination>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Destination_country_code>	AN3	Optional	Country of destination code
<Destination_country_name>	AN35	Optional	Country of destination name
<Destination_country_region>	AN4	Optional	Country of destination, region code

ELEMENT: <Sad> / <Transport>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Container_flag>	BOOLEAN	Optional	Indicator flag if the declaration has containers references

<Location_of_goods>	AN17	Optional	Location of goods code
<Location_of_goods_address>	AN60	Optional	Address of location of goods

ELEMENT: <Sad> / <Transport> / <Means_of_transport>

TAG NAME	FORMAT	USE	DESCRIPTION
<Inland_mode_of_transport>	AN3	Optional	Inland mode of transport code

ELEMENT: <Sad>/ <Transport>/<Means_of_transport>/ <Departure_arrival_information>

TAG NAME	FORMAT	USE	DESCRIPTION
<Identity>	AN27	Optional	Identity of active means of transport at departure/arrival
<Nationality>	AN3	Optional	Nationality of active means of transport at departure/arrival (Country code)

ELEMENT: <Sad> / <Transport> / <Means_of_transport> / <Border_information>

TAG NAME	FORMAT	USE	DESCRIPTION
<Identity>	AN27	Optional	Identity of active means of transport at departure/arrival
<Nationality>	AN3	Optional	Nationality of active means of transport at departure/arrival (Country code)
<Mode>	AN3	Optional	Mode of transport crossing the border code

ELEMENT: <Sad> / <Transport> / <Delivery_terms>

TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN3	Optional	Delivery terms code
<Place>	AN28	Optional	Delivery terms place
<Situation>	AN2	Optional	Delivery terms, situation code

ELEMENT: <Sad> / <Transport> / <Border_office>

TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN5	Optional	Border customs office code
<Name>	AN35	Optional	Border customs office name

ELEMENT: <Sad> / <Transport> / <Place_of_loading>

TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN5	Optional	Place of loading/unloading code
<Name>	AN35	Optional	Place of loading/unloading name
<Country>	AN3	Optional	Place of loading/unloading country code

ELEMENT: <Sad> / <Financial>

TAG NAME	FORMAT	USE	DESCRIPTION
<Deferred_payment_reference>	AN17	Optional	Deferred payment reference

ELEMENT: <Sad> / <Financial> / <Financial_transaction>

TAG NAME	FORMAT	USE	DESCRIPTION
<Code_1>	N1	Optional	Nature of transaction, code 1

<Code_2>	N1	Optional	Nature of transaction, code 2
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ELEMENT: <Sad> / <Financial> / <Bank>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN17	Optional	Bank code
<Name >	AN35	Optional	Bank name
<Branch>	AN17	Optional	Bank branch code
<Reference>	AN35	Optional	Bank file number (reference)

ELEMENT: <Sad> / <Financial> / <Terms>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN3	Optional	Terms of payment code
<Description >	AN35	Optional	Terms of payment description

ELEMENT: <Sad> / <Financial> / <Amounts>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN3	Optional	Terms of payment code
<Description >	AN35	Optional	Terms of payment description

ELEMENT: <Sad> / <Financial> / <Guarantee>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Name>	AN17	Optional	Guarantee reference code

ELEMENT: <Sad> / <Warehouse>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Identification>	AN17	Optional	Identification of warehouse (code)
<Delay>	INT	Optional	Warehouse time delay (days)

ELEMENT: <Sad> / <Transit> / <Principal>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Code>	AN17	Optional	Principal responsible for transit, code
<Name >	INT	Optional	Principal responsible for transit, name
<Representative>	AN100	Optional	Representative of principal responsible for transit

ELEMENT: <Sad> / <Transit> / <Signature>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Place>	AN17	Optional	Place of signature of transit
<Date>	DATE	Optional	Date of signature of transit

ELEMENT: <Sad> / <Transit> / <Destination>			
TAG NAME	FORMAT	USE	DESCRIPTION

<Office>	AN17	Optional	Customs office code of destination for transit
<Country>	DATE	Optional	Date of signature of transit

ELEMENT: <Sad> / <Valuation>

TAG NAME	FORMAT	USE	DESCRIPTION
<Calculation_working_mode>	N1	Mandatory	Working mode, possible values: <ul style="list-style-type: none"> • “0”: Apportionment per value • “1”: Apportionment per weight • “2”: No apportionment, computed totals

ELEMENT: <Sad> / <Valuation> / <Weight>

TAG NAME	FORMAT	USE	DESCRIPTION
<Gross_weight>	N17	Optional	Total gross mass of the declaration

ELEMENT: <Sad> / <Valuation> / <Invoice>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the invoice in foreign currency
<Currency_code>	AN3	Mandatory	Currency code for the invoice

ELEMENT: <Sad> / <Valuation> / <External_freight>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Optional	Amount of the external freight in foreign currency
<Currency_code>	AN3	Optional	Currency code for the external freight

ELEMENT: <Sad> / <Valuation> / <Internal_freight>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Optional	Amount of the internal freight in foreign currency
<Currency_code>	AN3	Optional	Currency code for the internal freight

ELEMENT: <Sad> / <Valuation> / <Insurance>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Optional	Amount of the insurance in foreign currency
<Currency_code>	AN3	Optional	Currency code for the insurance

ELEMENT: <Sad> / <Valuation> / <Other_cost>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Optional	Amount of the other costs in foreign currency
<Currency_code>	AN3	Optional	Currency code for the other costs

ELEMENT: <Sad> / <Valuation> / <Deduction>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Optional	Amount of the other costs in foreign currency
<Currency_code>	AN3	Optional	Currency code for the other costs

ELEMENT: <Sad> / <Containers> / <Container >

TAG NAME	FORMAT	USE	DESCRIPTION
<Item_number>	INT	Optional	Item number that belong the container
<Container_identity>	AN17	Optional	Container identity code
<Container_type>	AN4	Optional	Container type code
<Empty_full_indicator>	AN3	Optional	Empty/Full indicator code
<Gross_weight>	N12	Optional	Gross weight of container
<Goods_description>	AN44	Optional	Goods description
<Packages_type>	AN17	Optional	Package type code
<Packages_number>	N6	Optional	Package number
<Packages_weight>	N12	Optional	Package weight

ELEMENT: <Sad> / <Supplier_documents> / <Supplier_documents>

TAG NAME	FORMAT	USE	DESCRIPTION
<Invoice_supplier_name>	AN175	Mandatory	Supplier name on invoice
<Invoice_supplier_country>	AN3	Mandatory	Supplier country code
<Invoice_supplier_city>	AN35	Mandatory	Supplier city name
<Invoice_supplier_street>	AN35	Optional	Supplier city address
<Invoice_supplier_telephone>	N13	Optional	Supplier telephone number
<Invoice_supplier_zip_code>	N6	Optional	Supplier zip code
<Invoice_supplier_email_address>	AN35	Optional	Supplier email address

ELEMENT: <Sad> / <Previous_declarations> / <Prev_decl>

TAG NAME	FORMAT	USE	DESCRIPTION
<Prev_decl_office_code>	AN5	Optional	Office code of previous SAD
<Prev_decl_reg_year>	N4	Optional	Registration year of previous SAD
<Prev_decl_reg_serial>	AN1	Optional	Registration serial of previous SAD
<Prev_decl_reg_number>	INT	Optional	Registration number of previous SAD
<Prev_decl_item_number>	INT	Optional	Item number of previous SAD
<Prev_decl_HS_code>	N8	Optional	HS commodity code of previous SAD
<Prev_decl_HS_prec>	N3	Optional	NOT USED
<Prev_decl_country_origin>	AN3	Optional	Country of Origin of previous SAD
<Prev_decl_number_packages>	N6	Optional	Packages of previous SAD
<Prev_decl_weight>	N12	Optional	Weight of previous SAD
<Prev_decl_supp_quantity>	N12	Optional	Supplementary units of previous SAD
<Prev_decl_ref_value>	N12	Optional	Monetary value of previous SAD
<Prev_decl_current_item>	INT	Optional	Item of current declaration
<Prev_decl_number_packages_written_off>	N6	Optional	Packages to write off of current declaration
<Prev_decl_weight_written_off>	N12	Optional	Weight to write off of current declaration

<Prev_decl_supp_quantity_written_off>	N12	Optional	Supplementary units to write-off of current declaration
<Prev_decl_ref_value_written_off>	N12	Optional	Monetary value to write-off of current declaration

ELEMENT: <Sad> / <Loading_list> / <Line>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Item_number>	INT	Optional	Item number that belong the container
<Vehicle>	AN17	Optional	Vehicle Number (Identification)
<Container>	AN17	Optional	Container identity code
<Packaging_code>	AN17	Optional	Package type code
<Packaging_description>	AN35	Optional	Package type name
<Packages>	N6	Optional	Number of packages
<Goods_description>	AN35	Optional	Goods description
<Gross_weight>	N12	Optional	Gross weight

Item Segment

ELEMENT: <Items> / <Item> / <Packages>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Number_of_packages>	N6	Optional	Number of packages
<Marks1_of_packages>	AN35	Optional	Marks and number of packages 1
<Marks2_of_packages>	AN35	Optional	Marks and number of packages 2
<Kind_of_packages_code>	AN17	Optional	Kind of packages code
<Kind_of_packages_name>	AN35	Optional	Kind of packages name

ELEMENT: <Items> / <Item> / <Tariff>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Extended_customs_procedure>	N4	Mandatory	Extended customs procedure code
<National_customs_procedure>	N3	Optional	National customs procedure code
<Preference_code>	AN17	Optional	Preference code
<Valuation_method_code>	AN1	Optional	Valuation method code

ELEMENT: <Items> / <Item> / <Tariff> / <Harmonized_system>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Commodity_code>	N8	Mandatory	Harmonized system commodity code
<Precision_1>	N3	Optional	Commodity code, national precision #1
<Precision_2>	N4	Optional	Commodity code, national precision #2
<Precision_3>	N4	Optional	Commodity code, national precision #3
<Precision_4>	AN4	Optional	Commodity code, national precision #4

ELEMENT: <Items> / <Item> / <Tariff> / <Supplementary_unit>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Supplementary_unit_code>	AN3	Optional	Supplementary unit code
<Supplementary_unit_name>	AN35	Optional	Supplementary unit name

<Supplementary_unit_quantity>	N11	Optional	Supplementary unit quantity
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ELEMENT: <Items> / <Item> / <Tariff> / <Quota>

TAG NAME	FORMAT	USE	DESCRIPTION
<Quota_code>	AN17	Optional	Quota reference code

ELEMENT: <Items> / <Item> / <Goods_description>

TAG NAME	FORMAT	USE	DESCRIPTION
<Country_of_origin_code>	AN3	Mandatory	Country of origin code
<Country_of_origin_region>	AN4	Optional	Country of origin, region code
<Description_of_goods>	AN88	Optional	Description of goods
<Commercial_description>	AN44	Optional	Commercial description

ELEMENT: <Items> / <Item> / <Valuation_item>

TAG NAME	FORMAT	USE	DESCRIPTION
<Rate_of_adjustment>	AN3	Optional	Rate of adjustment

ELEMENT: <Items> / <Item> / <Valuation_item> / <Weight>

TAG NAME	FORMAT	USE	DESCRIPTION
<Gross_weight_itm>	N12	Optional	Gross weight (kg)
<Net_weight_itm>	N12	Optional	Net weight (kg)

ELEMENT: <Items> / <Item> / <Valuation_item> / <Invoice>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the invoice in foreign currency
<Currency_code>	AN3	Mandatory	Currency code for the invoice

ELEMENT: <Items> / <Item> / <Valuation_item> / <External_freight>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the external freight in foreign currency
<Currency_code>	AN3	Mandatory	Currency code for the external freight

ELEMENT: <Items> / <Item> / <Valuation_item> / <Internal_freight>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the internal freight in foreign currency
<Currency_code>	AN3	Mandatory	Currency code for the internal freight

ELEMENT: <Items> / <Item> / <Valuation_item> / <Insurance>

TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the insurance in foreign currency

<Currency_code>	AN3	Mandatory	Currency code for the insurance
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ELEMENT: <Items> / <Item> / <Valuation_item> / <Other_cost>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the other cost in foreign currency
<Currency_code>	AN3	Mandatory	Currency code for the other cost

ELEMENT: <Items> / <Item> / <Valuation_item> / <Deduction>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Amount_foreign_currency>	N15	Mandatory	Amount of the item deduction in foreign currency
<Currency_code>	AN3	Mandatory	Currency code for the item deduction

ELEMENT: <Items> / <Item> / <Attached_documents> / <Attached_document>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Attached_document_code>	AN4	Optional	Attached document code
<Attached_document_name>	AN70	Optional	Attached document name
<Attached_document_reference>	AN30	Optional	Attached document reference
<Attached_document_date>	DATE	Optional	Attached document date

ELEMENT: <Items> / <Item> / <Previous_document>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Summary_declaration>	AN26	Optional	Summary declaration (Transport document number)
<Summary_declaration_sl>	AN4	Optional	Transport document number, sub-line
<Previous_document_reference>	AN35	Optional	Previous document reference
<Previous_warehouse_code>	AN17	Optional	Previous warehouse code

ELEMENT: <Items> / <Item> / <Additional_information>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Licence_number>	N6	Optional	Not Used
<Amount_deducted_from_licence>	N15	Optional	Value amount deducted from license
<Quantity_deducted_from_licence>	N15	Optional	Quantity deducted from license
<Free_text_1>	AN35	Optional	Reserved field
<Free_text_2>	AN20	Optional	Reserved field

Special Considerations

1. In some cases, data may be unavailable when constructing the XML message. If the Customs administration does not define that information as mandatory, the user can omit those tags.