



UNCTAD

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Belize Customs & Excise Department



ASYCUDA

world

CARGO MANIFEST XML MESSAGE DESCRIPTION

Version 2.0

ASYCUDA World XML Manifest and Degroupage Message Format

General Description

The ASYCUDA WORLD module ASYFCI (Asycuda fast cargo integration) is the client application used by the system to integrate the cargo manifest and the degroupage. Any carrier that has its own application or system to process a manifest and the degroupage will not be required to key in (again) all the information, they will only need to extract and transform the information into an XML message.

Manifest Data Stream

The structure of the XML message, named as the Asycuda World Manifest Data Stream (AWMDS), consists of two large data segments:

1. The General segment of the manifest <General_segment >
2. Detailed data for each transport document <Bol_segment>

The **General segment** is composed by the following sub segments:

1. Manifest identification <General_segment_id>
2. Summary of different quantities included in the manifest <Totals_segment>
3. Manifest transport information <Transport_information>. This tag also contains the carrier details information sub segment <Carrier>.
4. Information about the place/Port of departure and destination at the manifest level <Load_unload_place>

The **Bill of lading segment** is composed as follows:

1. Bill of Lading identification <Bol_id>
2. Information about the place/Port of departure and destination at the bill of lading level <Load_unload_place>
3. Traders' information <Traders_segment>. This sub segment also is divided in another 3 sub segments:
 - a. Exporter information <Exporter>
 - b. Notify information <Notify> (Who to notify when cargo arrives e.g bank)
 - c. Consignee information <Consignee>
4. Detailed data for each container <ctn_segment>
5. Goods description <Goods segment>. This tag also contains the Seals information sub segment <Seals_segment>.
6. Detailed data containing the bill of lading valuation tags <Value_segment>. This sub segment also is composed of another 4 sub segments:
 - a. Freight information <Freight_segment>
 - b. Customs valuation information <Customs_segment>
 - c. Insurance information <Insurance_segment>
 - d. Transport valuation information <Transport_segment>.
7. Location information <Location>.

The AWMDS message must have information about **only one** manifest and any number of bills of lading.

The following is a detailed description of the XML Schema required by carrier agents to transmit Manifest information to Customs.

Manifest Data Stream Tag Description

Format	Definition	Examples
INT	Integer number up to 18 digits	1 8758943
N#	Decimal number up to 18 digits including decimal places and point. The number (#) sign should be replaced with the actual length required.	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 (24 Hr)	12:30

SEGMENT: < General_segment_id >			
TAG NAME	FORMAT	USE	DESCRIPTION
< Customs_office_code >	AN5	Mandatory	Customs office code where manifest will be submitted
<Voyage_number>	AN17	Mandatory	Voyage or flight number assigned by the carrier
<Date_of_departure>	DATE	Mandatory	Departure or sailing date
<Date_of_arrival>	DATE	Optional	Arrival date
<Time_of_arrival>	TIME	Optional	Arrival time

SEGMENT: < Totals_segment >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Total_number_of_bols>	INT	Mandatory	Total number of transport documents (Bill of Lading, Airway Bill, etc.)
<Total_number_of_packages>	N18	Mandatory	Number of packages for this manifest. Total piece count of goods being transported
<Total_number_of_containers>	INT	Mandatory	Number of containers for this manifest
<Total_gross_mass>	N18	Mandatory	Total gross mass (KG) for this manifest

SEGMENT: < Transport_information >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Mode_of_transport_code>	AN3	Mandatory	Mode of transportation (1=Sea; 2=Rail; 3=Road; 4=Air; 5=Postal; 6=Multimodal; 7=Fixed; 8=Inland waterways; 9=Unknown)
<Identify_of_transporter>	AN27	Optional	Identification of unit of transport (e.g. vessel/aircraft name)
<Nationality_of_transporter_code>	AN3	Mandatory	Transport unit nationality code (ISO 2-Alpha Code)
<Place_of_transporter>	AN35	Optional	Transport unit registration place (city).(SCAC/IATA)
<Registration_number_of_transport_code>	AN35	Optional	IMO/IATA registration reference
<Date_of_registration>	DATE	Optional	IMO/IATA registration date (if available)
<Master_information>	AN70	Mandatory	Master/Captain name

SEGMENT: < carrier >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Carrier_code>	AN17	Mandatory	Carrier code
<Carrier_name>	AN35	Optional	Carrier name
<Carrier_address>	AN70	Optional	Carrier address

SEGMENT: < Load_unload_place >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Place_of_departure_code>	AN5	Mandatory	Place/Port of departure code where voyage started (UN/LO CODE)
<Place_of_destination_code>	AN5	Mandatory	Place/Port of destination code where goods are off-loaded (UN/LO CODE)

SEGMENT: < Bol_id >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Bol_reference>	AN17	Mandatory	Transport document reference number
<Line_number>	INT	Mandatory	Transport document line number
<Bol_nature>	AN2	Mandatory	Transport document use: 22= Exports; 23= Imports; 24= In-Transit; 28= Transhipment
<Bol_type_code>	AN3	Mandatory	Transport document type code
<Master_bol_ref_number>	AN17	Optional	Master bill of lading reference number
<Unique_carrier_reference>	AN35	Optional	Carrier code. (SCAC/IATA)

SEGMENT: < Load_unload_place >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Place_of_loading_code>	AN5	Mandatory	Place/Port of loading code. (UN/LO CODE)
<Place_of_unloading_code>	AN5	Mandatory	Place/Port of destination code. (UN/LO CODE)

SEGMENT: < Exporter >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Exporter_name>	AN35	Mandatory	Exporter/Supplier Name
<Exporter_address>	AN70	Mandatory	Exporter/Supplier Address

SEGMENT: < Notify >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Notify_code>	AN17	Optional	Identification code of person/entity to be notified
<Notify_name>	AN35	Optional	Notify name
<Notify_address >	AN70	Optional	Notify address

SEGMENT: < Consignee >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Consignee_code>	AN17	Optional	Consignee code
<Consignee_name>	AN35	Mandatory	Consignee name
<Consignee_address >	AN70	Mandatory	Consignee address

SEGMENT: < ctnr_segment >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Ctn_reference>	AN17	Mandatory	Container identification number. Four letters for container owner, six- digits container serial number and check digit (e.g. OTEU1223808)
<Number_of_packages >	INT	Mandatory	Number of packages for this container
<Type_of_container >	AN4	Mandatory	Container type code (ISO- 6346 Column 1995)
<Empty_Full >	AN3	Mandatory	Container flag: empty or full
< Seals>	AN10	Optional	Number of container seals
<Marks1>	AN10	Optional	Container 1st seal number
<Marks2>	AN10	Optional	Container 2nd seal number
<Marks3>	AN10	Optional	Container 3rd seal number
<Sealing_Party>	AN3	Optional	Sealing party code

SEGMENT: < Goods_segment >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Number_of_packages>	N18	Mandatory	Number of packages for this transport document
< Package_type_code >	AN2	Mandatory	Package type code (UNECE CEFACT Recommendation 21 Alpha-2 Code)
< Gross_mass >	N18	Mandatory	Gross mass (Kg) for this transport document
< Shipping_marks >	AN70	Optional	Shipping marks and numbers
< Goods_description >	AN150	Mandatory	Goods description
<Volume_in_cubic_meters>	N18	Optional	Volume in cubic meter for this transport document
< Num_of_ctnr_for_this_bol >	INT	Mandatory	Number of containers for this transport document
<Information>	AN70	Optional	Additional information

SEGMENT: < Seals_segment >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Number_of_seals>	INT	Optional	Number of additional/loose cargo seals
<Marks_of_seals>	AN20	Optional	Marks of seals
<Sealing_party_code>	AN3	Optional	Sealing party code

SEGMENT: < Freight_segment>			
TAG NAME	FORMAT	USE	DESCRIPTION
<PC_indicator>	AN3	Optional	Prepaid/Collect Freight indicator
<Freight_value>	N18	Optional	Freight instruction value
<Freight_currency>	AN3	Optional	Freight instruction currency

SEGMENT: <Customs_segment>			
TAG NAME	FORMAT	USE	DESCRIPTION
<Customs_value>	N18	Optional	Customs value
<Customs_currency>	AN3	Optional	Customs currency

SEGMENT: < Insurance_segment >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Insurance_value>	N18	Optional	Insurance cost
<Insurance_currency>	AN3	Optional	Insurance cost currency

SEGMENT: < Transport_segment >			
TAG NAME	FORMAT	USE	DESCRIPTION
<Transport_value>	N18	Mandatory	Overall freight cost
<Transport_currency>	AN3	Mandatory	Overall freight cost currency

SEGMENT: < Location >

TAG NAME	FORMAT	USE	DESCRIPTION
<Location_code>	AN17	Optional	Location code
<Location_info>	AN35	Optional	Location additional information