SCHEDULE A

ASYCUDA WORLD MANIFEST XML STRUCTURE

I. General Description

The ASYCUDA WORLD module ASYFCI (ASYCUDA fast cargo integration) is the client application used by the system to integrate the cargo manifest. Any carrier that has its own application or system to process a manifest 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.

The structure of the XML message, named as the ASYCUDA World Manifest Data Stream (AWMDS), consists of 2 big data segments:

- the general segment of the manifest <General_segment>; and
- 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>

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 by 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 can accept a larger number of bills of lading.

The following attached files are part of this document:

- AwmdsSchema.pdf → This file describes how data segments are structured for the AWMDS.

- Awmds.xsd → This is the schema file to validate manifest xml files. It is also included in the ASYFCI module.

You can also have attached to this documentation xml manifest files as examples. This files show different types of manifests.

II. Manifest Data Stream Tag Description

The tables in this section provide information about each Tag required for the AWMDS XML message, including the format, their use (optional or mandatory), and tag name.

The format specified for each tag can be one of the following types:

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	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	Place/Port of departure code where voyage started.
<Identify_of_transporter>	AN27	Optional	Identification of transporter.
<Nationality_of_transporter_code>	AN3	Mandatory	Transporter nationality code.
<Place_of_transporter>	AN35	Optional	Transport unit registration place (city).
<Registration_number_of_transport_code>	AN35	Optional	IMO/IATA registration reference.

SEGMENT: < Transport_information >			
Tag Name	**Format**	**Use**	**Description**
<Date_of_registration>	DATE	Optional	IMO/IATA registration date, if available.
<Master_information>	AN70	Optional	Master/Captain name.
<IMO_Number>	**N9**	**Mandatory**	**IMO Number, mandatory only for maritime carriers.**
<Docking_Number>	**N9**	**Mandatory**	**Docking number, mandatory only for maritime carriers.**

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.
<Place_of_destination_code>	AN5	Mandatory	Place/Port of destination code where goods are off-loaded.

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; and 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 /master bill of lading.

SEGMENT: < Load_unload_place >			
Tag Name	**Format**	**Use**	**Description**
<Place_of_loading_code>	AN5	Mandatory	Place/Port of loading code.
<Place_of_unloading_code>	AN5	Mandatory	Place/Port of destination code.

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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	Notify code.
<Notify_name>	AN35	Mandatory	Notify name.
<Notify_address>	AN70	Mandatory	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: < ctn_segment >			
Tag Name	**Format**	**Use**	**Description**
<Ctn_reference>	AN17	Mandatory	Container identification number.
<Number_of_packages>	INT	Mandatory	Number of packages for this container.
<Type_of_container>	AN4	Mandatory	Container type code.
<Empty_Full>	AN3	Mandatory	Container flag: empty or full.
<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>	AN17	Mandatory	Package type code
<Gross_mass>	N18	Mandatory	Gross mass (KG) for this transport document.
<Shipping_marks>	AN70	Mandatory	Shipping marks and numbers.
<Goods_description>	AN70	Mandatory	Goods description.
<Volume_in_cubic_meters>	N18	Optional	Volume in cubic meter for this transport document.
<Num_of_ctn_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	Optional	Overall freight cost.
<Transport_currency>	AN3	Optional	Overall freight cost currency.

SEGMENT: < Location >			
Tag Name	**Format**	**Use**	**Description**
<Location_code>	AN17	Optional	Location code.
<Location_info>	AN35	Optional	Location additional information.

III. Special Considerations

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

2. It is very important to include correctly the identification data of the manifest when creating each transport document segment (Bol_segment).