



IATA Cargo XML Filing to ASYCUDAWorld System

Aruba Customs Department

User Guide | Web Service Integration Guide | Version 1.0

Pilot Start: 25 May 2026 - Enforcement: 1 September 2026

<https://www.douane.aw>



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Overview

What This Guide Covers

① Data Standards

Accepted IATA Cargo XML message types and supported versions

② Filing Timelines

When and how to submit advance cargo declarations to Customs

③ Eligible Filers

Carriers, freight forwarders, express operators and their responsibilities

④ Business Rules

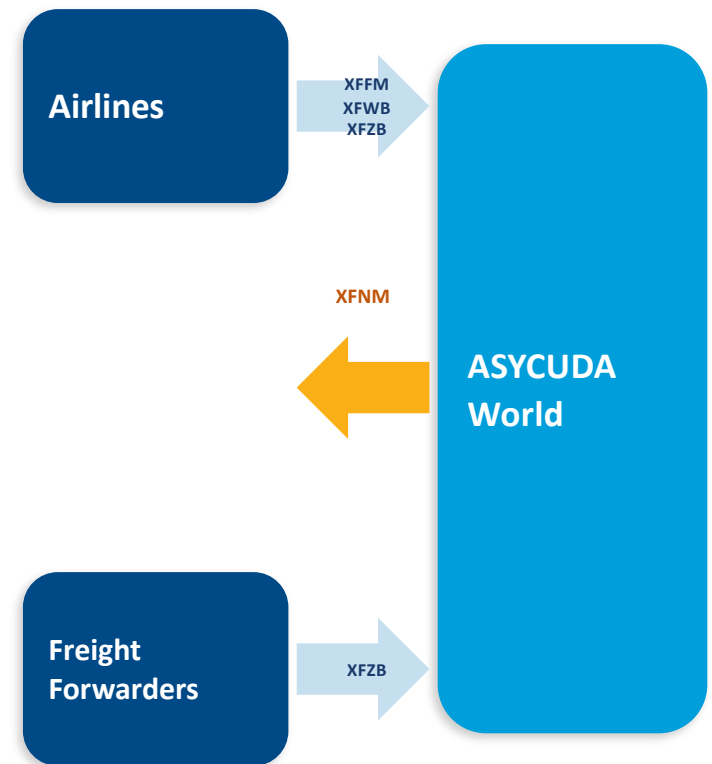
Specific rules for XFFM, XFWB, XFZB messages and responses

⑤ Web Service API

REST endpoints, authentication, request/response structure

Data Standards






Message	Version	Document Equivalent	Purpose
XFFM	2.00 / 3.00	Flight Manifest	Transmit consignment details loaded on a single flight to Customs
XFWB	3.00 / 4.00	Air Waybill	Transmit complete data for a master Air Waybill to Customs
XFZB	3.00	House Air Waybill	Transmit complete data for a House Air Waybill to Customs
XFHL	—	House Manifest	Define the house manifest (Master)
XTMV	—	Transport Movement	Define the transport movement
XFNM	3.00	Response / Acknowledgement	Customs response: acknowledge, hold, or reject with error details



✦ ASYCUDA World accepts single or batch messages. ✦ Sequencing of XFFM / XFWB / XFZB is flexible. ✦ Multiple files for one consignment may be sent in a single email.

Filing Timelines & Eligible Filers

Filing Timelines

-  All cargo must be reported electronically to Customs before actual arrival in Aruba.
-  The cargo declaration must be filed by the aircraft Commander soon after take-off.
-  ASYCUDA World rejects XFFM with a scheduled departure date older than 60 days.
-  XFFM must include scheduled Date AND Time of Arrival (mandatory for Customs).
-  Manifest must be registered upon arrival. Amendments are allowed except on the key fields (office code, voyage number, departure date).

Eligible Filers

Freight Forwarder / Authorized 3rd Party

XFZB (House Waybill)

Carrier / Authorized 3rd Party

XFFM, XFWB, XFZB (when available)

Express Operators

XFFM (own aircraft), XFWB, XFZB

Express Operators (DHL, FedEx, Uniworld)

Dedicated web service credentials



Business Rules

General Rules (All Messages)

- Only IATA Cargo-XML schema-compliant XML files accepted
- Purpose codes: Creation | Update | Deletion in message header
- Message key = Message Header ID + Business Header ID (duplicates discarded)
- XFNM response generated per message (Processed / Received / Rejected)

Air Waybill (XFWB) & House Waybill (XFZB)

- Same AWB number cannot be re-created within 365 days
- Updates/deletions allowed before manifest registration in AW
- Post-manifest amendments only via ASYCUDA application framework
- Type 740 = Simple shipment (no XFZB); Type 741 = Consolidation

Flight Manifest (XFFM)

- XFFM rejected if scheduled departure is >60 days before receipt
- Unique Flight Reference already processed → XFFM ignored
- XFFM changes only via ASYCUDA application after registration
- Scheduled Arrival Date and Time is mandatory (IATA optional, Customs mandatory)

Part Shipments

- Same master AWB (X) can appear in Manifest M1 and M2
- Register M1 before sending second part to ensure correct M2 linkage
- Email alert sent upon M1 registration — triggers filer to send second part
- Sending second part before M1 registration will erroneously link it to M1

Web Service API

All endpoints use RESTful POST over HTTPS with JWT Bearer Token authentication. Obtain a token first from the token endpoint, then include it in the Authorization header of every request.

Message	Structure	Training Endpoint	Live Endpoint
XFFM	1	/env-trn/iata/api/v1/iata/sendMessageXFFM	/iata/api/v1/iata/sendMessageXFFM
XFWB	2	/env-trn/iata/api/v1/iata/sendMessageXFWB	/iata/api/v1/iata/sendMessageXFWB
XFHL	3	/env-trn/iata/api/v1/iata/sendMessageXFHL	/iata/api/v1/iata/sendMessageXFHL
XFZB	4	/env-trn/iata/api/v1/iata/sendMessageXFZB	/iata/api/v1/iata/sendMessageXFZB
XTMV	6	/env-trn/iata/api/v1/iata/sendMessageXTMV	/iata/api/v1/iata/sendMessageXTMV

Base URL: <https://asycuda.douane.aw>

Authentication

Method: JWT Bearer Token

Step 1 — Get token: GET /iata/api/v1/iata/token Basic Authentication
username: "AA#001", password: "..."

Step 2 — Use token: Authorization: Bearer <access_token> (valid 5 min)

JSON Request Body Fields

airline (required) | messageXML in Base64 (required) | structure int (required) |
manifest (conditional) | master (conditional)

JSON Request Structure

JSON Request Body – All Messages




```
// POST request body (JSON) – all messages follow this structure
{
  "airline": "AA",
  "structure": 1,
  "messageXML": "PD94bWwgdMVyc2lvcj0i...",
  // optional: "manifest" (XTMV), "master" (XFHL)
}
```

airline	IATA 2-letter airline code (e.g. AA, KL, WS)
structure	Integer identifying the message type — see Structure Value Reference
messageXML	The full IATA XML message encoded in Base64 (UTF-8)
manifest	Manifest reference — required only for XTMV messages
master	Master AWB reference — required only for XFHL messages

Why Base64 Encode the XML Payload?

- JSON is text-only**
The web service API communicates over JSON. JSON cannot safely carry raw XML — the XML must be embedded as a plain string value.
- XML breaks JSON syntax**
Raw XML contains characters like <, >, &, " and ' that conflict with JSON string delimiters and cause parse errors.
- Base64 makes XML transport-safe**
Base64 re-encodes any text or binary into a limited 64-character ASCII alphabet — no special characters, no escaping needed.
- Encoding neutrality**
Base64 removes ambiguity about character set and line endings, ensuring the original UTF-8 XML is reconstructed byte-for-byte.

XFNM Response

 PROCESSED	 RECEIVED	 REJECTED
Message validated and processed by ASYCUDAWorld. Manifest or Air Waybill is available in the system.	Message validated but put on hold. Happens when XFWB arrives before its XFFM, or XFZB before its XFWB.	One or more errors found. Response Details contain specific error codes and descriptions for correction.

Key Response Fields (JSON)

Field	Type	Description
correlationId	String	Unique request identifier for tracing through logs
success	Boolean	true = message reached AW; false = error before/during processing
idDocument	String	Document reference assigned by AW (present when success = true)
xmlPayload	String	Full XFNM XML response including StatusCode and Reason
errorMessage	String	Error code(s) and descriptions (present when success = false)

Error Code Reference

IATA Error Codes

Code	Description
IATA-001	Unknown error
IATA-002	Invalid request
IATA-003	Invalid parameters
IATA-005	Document is locked
IATA-006	Document not found
IATA-009	Airline parameter is required and cannot be empty
IATA-010	XML message provided is empty
IATA-011	Master air waybill reference is required
IATA-012	Manifest reference is required
IATA-016	Airline not configured or login not authorised
IATA-017	Wrong Structure value

Message Queue (MQ) Codes

Code	Description
MQ-IATA-00	Invalid message content
MQ-IATA-01	Incomplete request
MQ-IATA-02	Started op failed, document empty
MQ-IATA-03	Unknown server error
MQ-IATA-05	Failed to acknowledge
MQ-IATA-06	Failed to publish on response queue

Structure Value Reference

- 1** – XFFM
- 2** – XFWB
- 3** – XFHL (needs master)
- 4** – XFZB
- 6** – XTMV (needs manifest)

Timeline & Contacts



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Web portal: <https://www.douane.aw> | Submit registration forms within two weeks to asycudaworld@douane.aw

Thank you

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