Functional Documentation for





Guideline for shipping operators









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1. Introduction

1.1.Purpose

This document provides operational guidance to the involved stakeholders in the maritime cargo entry processes implemented within the ASYHUB Maritime system.

Before using this document, you need first to read the ASYHUB Maritime General Guideline which covers:

- Accessing ASYHUB
- Overall scope of the ASYHUB Maritime System
- Roles of Stakeholders
- Set of Definitions
- High level descriptions of the processes / formalities for entry for goods.
- Time limit to complete the respective tasks/formalities, by whom, indicating thee roles & responsibilities of each Actor in ASYHUB.

This guidance will be updated when new operational scenarios appear, or additional explanations need to be provided.

1.2.Scope

This document provides an operational guidance for the ocean carriers, shipping agents, freight forwarders, Non-Vessel Operating Common Carriers (NVOCCs) and other parties involved in the processes implemented within the ASYHUB Maritime.

This guidance covers:

- Explanation of requirements for entry process;
- Description of roles and responsibilities of customs and shipping operators;
- Explanations of business process and data requirements.

1.3. Target Audience

The intended audience for this document is:

- The representatives of shipping operators (carriers, agents, freight forwarders, NVOCCs, etc.);
- Any person involved in the ASYHUB Maritime project;
- Any person being practically involved in the customs formality for the entry of goods for consignments transported by sea.





2. Accessing and Logging into ASYHUB Platform

To access the ASYHUB Platform, click on the website portal link https://asyhub.customs.gov.lk/#/home

Figure 2.1 Login Page



There are two ways to access the system, for **New Users** who must create an account with **User Registration** option or **Regular (already registered) Users** who sign in to perform their functional role.

For more information on how to register and connect to the ASYHUB System, please refer to the ASYHUB General Guideline.

3. General ASYHUB System Navigation

3.1 Navigation Tools

The navigation tools embedded on the left-hand side of the home page provide at least six (6) sections for the Carrier User. The user must hover the mouse-point over the left-side navigation tools to open the icons. Functions available for the User may vary with time depending on the needs of maritime functions in trade.

Below is the layout of the navigation on the left-hand side, as highlighted in red.

Figure 3.1 Navigation Buttons

3





Cargo Declarat	tions					^	User Accounts						
Declarations Incoming					⊖ R	eload 🍮 🔿	User Accounts Pending Approval				O	Reload	(0)
Time of Arrival \uparrow 1	Carrier	Transport Means	Number	Departure	Destination	Departure Date	Login Identifier	User Type	First Name	Last Name		Document	Status
20/05/2025.06:00:00	FF707	EF OLIVIA	0099E	AEJEA	BDCGP	2025-05-14	able.nvocc 🔀	NVOCC	AYESH	GAMAGE		Registe	ered
21/05/2025.00:00:00	FF313	CELESTIA	2503W	MVMLE	LKCMB	2025-05-16	adhi.se 🔼	Carrier	Adhithya	Senanayake		Regist	red
21/05/2025.00:00:00	ONE	HYUNDAI TOKYO	157W.	INNSA	INNSA	2025-05-17	admin1	Carrier	grhreher	herhrehreh		Regist	red
21/05/2025.07:00:00	CLL	OOCL HAMBURG	157W	SGSIN	LKCMB	2025-05-17	agunawardena [2]	Carrier	ADRIAN	GUNAWARDENA		Regist	red
21/05/2025.10:59:41	ASL	HYUNDAI TOKYO	157W.	INNSA	LKCMB	2025-05-17	ahmed [2]	Freight Forwarder	AHAMED	SHAWKI		Registe	ered
1-5 of 131 < <	1 > >						1-5 of 269 < < 1	> >1					
							User Accounts Rejected Accounts				0	Reload	9
							Login Identifier	User Type	First Name	Last Name		Documen	Status
							akila.jayasundara 🗹	Freight Forwarder	Akila	Jayasundara		Reject	d
							akilaj.hubport 🗹	Freight Forwarder	akila	jayasundara		Reject	d
							bawantha 🔀	Freight Forwarder	BAWANTHA	SHASHITH		Reject	d
													-

The six above highlighted functions include the following:

Function	Description
♠	Home allows navigation back to the main page with the dashboard display.
	Dashboard provides access to My Library and My Tasks . My Library displays and gives quick access to the whole functional content available for the Carrier user. Whereas for the My Tasks, the Carrier user is given quick dashboard access to the Consignments posted daily and the Arrived Consignments status also.
Ů	Maritime Cargo allows the Carrier to create new and view Cargo Declarations, Consignments and Containers.
⊞	Catalogs allows access to the reference data available for the Carrier's operational needs.
•(My Account allows the Carrier to view the Profile, Change Password, Manage Account and Sign out from the system.
1	Fast Cargo Integration allows the Carrier to upload the files for Manifest , Bill of Lading and Degroupage data using a standardized format, predefined by ASYHUB.
1	Excel Integration allows the Carrier to upload the excel version files for Manifest , Bill of Lading and Degroupage data using a standardized format, predefined by ASYHUB.

3.2 Dashboard





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The dashboard is meant to allow the user to have a quick look of the status on the Maritime activities. Users have access to the information which is only relevant to their area. There are twelve (12) areas as highlighted below in Figure 3.2 below:

Figure 3.2 Dashboard

SY HUB				A		Ø. •	N
My Library Dashboards / My Library							↔
Q, e.g. My Profile							
Dashboards My Tasks Access easily your tasks in the system	Maritime Cargo Create New Port Call New Port Calls	Maritime Cargo Search Port Calls Search Port Calls	Maritime Cargo Create New Declaration New Cargo Declaration				
Maritime Cargo Cargo Declarations Search Cargo Declarations	A Maritime Cargo Create New Consignment New Consignment	Maritime Cargo Consignments Search Consignments	Martime Cargo Create New Container New Container				
Maritime Cargo Containers Containers	Fast Carpo Integration Xml File Uploads Xml File Uploads	Catalogs Currency catalog.awcurrency	Canalogys Companies catalog.company				
Catalogs Exchange Rate catalog.exchachangeRate	Catalogs IATA catalog.iata	e Catalogs Tariff Description catalog tariffDescription	Catalogs Consignment Classification catalog consignmentClassification				
Catalogs	Catalogs Dangerous Goods	Catalogs Flow	Catalogs Customs Offices				

The dashboard items available above include the following:

- My Tasks
- Create New Declaration
- Cargo Declaration
- Create New Consignments
- Consignments
- Create New Container
- Containers
- My Profile
- Manage Account
- Sign Out
- File Uploads [Fast Cargo Integration and Excel Integration]





Function	Description
Dashboards My Tasks Access easily your tasks in the syst	My Tasks, allow quick access to the ongoing/pending requiring activities requiring Carriers action.
Maritime Cargo Create New Declaration New Cargo Declaration	Create New Declaration , allows the User to create a new cargo declaration with general details on Voyage, Carrier, Transport Means, Date & Times, Shipping Agents and Totals
Maritime Cargo Cargo Declarations Search Cargo Declarations	Cargo Declarations, allows the User quickly search the declared cargo.
Maritime Cargo Create New Consignme New Consignment	 Create New Consignments, allows the User to create new cargo consignment details on the following: Last Port Call Voyage Transport Document Journey Details, Carrier, Parties – Consignor, Notify Party, Consignee Consignment Items Details (Goods description and stuffing)
Maritime Cargo Consignments Search Consignments	Consignments, allows the Carriers to view all the consignments with their details
Maritime Cargo Create New Container New Container	Create New Container, allows the Carrier to create details for the containers
Maritime Cargo Containers Containers	Containers, allows the Carrier to view created details for the containers
Single Sign-On My Profile Manage and modify your profile an	My Profile, allows the Carrier to view their respective user profile details, edit the profile and change the password also.





Function	Description
Single Sign-On Manage Account Manage account One-Time-Passwo	Manage Account, is another option available for Carriers which provides the user with more options to manage his/her account on: The Language Info, by selecting the default language,
	 Account Security,
	 Signing in option provided for "Basic Authentication" or Two-Factor Authentication,
	 Device Activity, providing device access details and application details.
	 Applications, showing Name, application type and status of Client and URL
	Resources, showing existing application resources or shared ones.
Single Sign-On Sign Out Logout from all sessions in this bro	Sign Out, allows the Carrier to log out from ASYHUB
Fast Cargo Integration File Uploads File Uploads	File Uploads is functionally the same as the Fast Cargo Integration allowing the Carrier to upload the electronic file for the Manifest, Bill and degroupages. The standard file format used is XML.
Excel Integration File Uploads File Uploads	File Uploads is functionally the same as the Excel Integration allowing the Carrier to upload the electronic file for the Manifest, Bill and degroupages. The standard file format used is Excel.

Each of the above functions are easily clickable and opens the details within. Once the user is satisfied with the viewing or editing, they can minimize the item to the original form. In addition to clicking the single dashboard item, the Carrier users can also maximize the dashboard

items all at once by clicking the PLUS sign $\textcircled{1}{12}$ at the top right corner. The maximized dashboard can also be minimized back to its original form by clicking the MINUS icon $\textcircled{1}{2}$.

3.3Application Main Header

The top header contains on the left, an expansion icon for the **navigation tool** and a **clickable MSY**[HUB] Partornul which refreshes the page of the User home page. Whereas on the right-hand side of the top header, there are icons to **Enter/Exit to Full Screen**, **Recolour Screen** to Dark/White mode, **Change Language** and User access for **Profile/Change Password/Manage Account/Sign Out**.





Figure 3.3 Carrier Page Functions

2			
٩	Search for E-Documents		^
↑ 11	Q , e.g. My Profile		
∜ Ⅲ	Deshboards My Tasks Access easily your tasks in the syst	Maritime Cargo Create New Declaration	Maritime Cargo Cargo Declarations Search Cargo Declarations
± ±	Maritime Cargo Create New Consignme	Maritime Cargo Consignments Search Consignments	Maritime Cargo Create New Container New Container
	Maritime Cargo Containers Containers	Single Sign-On My Profile Manage and modify your profile an	Single Sign-On Manage Account Manage account One-Time-Passwo
	Single Sign-On Sign Out Logout from all sessions in this bro	Fast Cargo Integration File Uploads File Uploads	Excel integration File Uploads File Uploads

The top right-hand corner of the home page is further detailed in the following section:

4	♠	\rightarrow	::	Ø	EN	нк
---	---	---------------	----	---	----	----

Function	Description
←	Clicking on the "back" icon navigates the user back to the original state of the page
A	Clicking takes the user to the home page, with all dashboard options.
\rightarrow	Clicking on the "forward" icon navigates the user to the available next page
13	Clicking on the button expands the home page to full screen and at the same time pops up an option to resize screen back to the original size by pressing ESC or clicking the option shown below:
	customs.gov.kh is now full screen Exit Full Screen (Esc)





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Function	Description								
8	Clicking on the button turns the screen to black mode. And to return to the original light mode you need to click the same button.								
EN	Clicking on the EN button provides you the option change language to the available options. You can swap back to any available language option needed.								
HK	Hatem K. hatem hatem.knami@unctad.org 0041123456789 My Profile Change Password Manage Account Sign Out • My Profile, allows you to view your Account Profile • Change Password allows user to change the password. You will be prompted provide the Old Password, followed by New Password request. • Manage Account, provides the user with more options to manage his/her account on: • The Language Info, by selecting the default language, • Account Security, • Signing in option provided for "Basic Authentication" or Two-Factor Authentication, • Device Activity, providing device access details and application details. • Applications, showing Name, application type and status of Client and URL • Resources, showing existing application resources or shared ones • Sign Out, to exit								

4. ASYHUB Maritime System Operations Process Flow

Cargo Information	Cargo Information	Customs Declaration
Loading	Management	





 Maritime Cargo Information is created by either methods in 1 or 2 or 3 described below 1. Data Entry New Cargo Declaration New Consignment New Container 	 Cargo Consignments once loaded gets managed into 5 main operations listed below. 	 Upon Consignment is set to House, the Customs declaration can be created using the corresponding voyage information and the B/L Reference as shown below.
 2. Opload files (XML/Excel) Manifest Single Bill of Lading Degroupage (deconsolidation) 3. API-Generated (HTTPS) Manifest Single Bill of Lading Degroupage (deconsolidation) 	1. Update 2. Cancel 3. Deconsolidate 4. Set to House 5. Set to Arrive	House B/L





5. Maritime Cargo Information Processes

The basis for Cargo information in ASYHUB emanates from the Cargo Manifest, Master or House B/Ls and Containers Status Messages. These are the known primary source in Maritime trade data that will need to be processed in ASYHUB Maritime. In its simplest form of explanation, there are two (2) basic steps for data to be processed in ASYHUB i.e.,

- Cargo Information Submission
 - Data Entry through User Interface
 - Upload of XML or Excel files
 - System to System Integration using API (HTTPS)
- Cargo Information Management
 - Amendment (Edit)
 - Cancellation
 - Deconsolidation (Degroupage)
 - Set House
 - Submit Arrival

5.1 Cargo Information Submission

As per the diagram flow above, under the Cargo Information Creation and Loading segment, ASYHUB provides the User, the opportunity to create and load the data in three (3) different forms or possibilities. From the user's point of view, each option provides different levels of simplicity and some degree of involvement. The ease of creation and processing the data will depend on the choice taken.

• Data Entry

In this scenario, the user is obliged to create or in other words generate the data by using the provided ASYHUB system user interfaces. These interfaces include **New Cargo Declaration**, **New Consignment** and **New Container**.

New Cargo Declaration allows the creation of the cargo manifest details loaded on the vessel;

<u>New Consignment</u> adds the additional details related to the general cargo declaration and termed in the transport industry as cargo bills under sea, land or air. In our context we shall use Bills of Lading.

And lastly, <u>New Container</u> add details of the equipment that are used to transport the cargo.

5.1.1 New Cargo Declaration

Upon login, the Carrier or his representative will have two options to reach the function, i.e., through the dashboard or left menu option as shown below:





Location	Function Access
Cargo Declaration Page through the dashboard	Maritime Cargo Create New Declaration New Cargo Declaration
Main page left menu	EXAMPLE Platform UI e.g. My Profile / Containers / Hone Dashboards Maritime Cargo Cargo Declarations New Cargo Declaration Cargo Declarations New Cargo Declaration New Cargo Declaration Cargo Declaration New Consignments New Consignments New Consignments Consignments Consignments
	New Container Containers

Clicking on any of the two options above, the Cargo declaration window open as shown below in Figure 5.1





Figure 5.1 Cargo declaration form

Cargo Declarations Maritime Cargo / Cargo Declarations / Cargo Declarations / New		👳 Form Actions 🛐 (H) 🗆
General Gflice*	Movement Reference Number	New A
C PHNOM PENH INTERNATIONAL PORT CEB		
Voyage Departure Port 4	Destination Place •	Date & Times Estimated Time of Departure Actual Time of Departure
s USZDZ ×	қ кнкоз × а	t 17/01/2024, 12:25 pm 🗂 🗙 dd/mm/yyyy, -:
Voyage Number *	Departure Date	Estimated Time of Annal 19/01/2024 01:00 mm
	7	(a) a) reat or rea hu
Carrier		Shipping Agent
C REGU - ARROW SHIPPING	AGENCY CO.,LTD. as an Agent of Regional Container Lines	Please select?
Address 33.34 ST114 SANGKATMONI IRI IM KHAN 7 MAKABA PHNOM PENI-	CAMPONA	Address
		0
Transport Means	IMO Number	Totals Consignments * Packages
Cambodia Shippers	678imo © >	
Nationality	Captain	Equipments * Gross Weight *
G CAMBODIA	Morgan Stanley	
Gross Tonnage 100000	Net Tannage	

The user will have to fill the fields above as guided in the table below:

Field	Description	How to Fill	Mandatory
General	•	•	
Office	Office Name of the Port	Select from list box	Yes
Voyage	•		
Departure Port	Departure Port Code	Select from search box or simply type the known code	Yes
Destination Place	Destination Port Code	Select from search box or simply type the known code	Yes
Voyage Number	Voyage number used by the vessel	Free Text	Yes
Carrier			
Carrier Code	Carrier's code used by the vessel	Select from list box	Yes
Name	Carrier's name used by the vessel	Auto filled	Yes
Address	Carrier's address used by the vessel	Auto filled	Yes
Transport Means		•	
Name	Name of transport means used	Free Text	Yes
IMO Number	International Maritime Organization Registration Number	Free Text	No
Nationality	Nationality of vessel	Select from list box	No
Captain	Name of the Vessel's Captain	Free Text	No
Gross Tonnage	Total Gross tonnage of cargo	Free Text	No
Net Tonnage	Total Net tonnage of cargo	Free Text	No
Date & Times			





Field	Description	How to Fill	Mandatory
Estimate Time of Departure	Estimated Departure time and date of the vessel	Date and Time Selector	Yes
Actual Time of Departure	Actual Departure time and date of the vessel	Date and Time Selector	No
Estimate Time of Arrival	Estimated Arrival time and date of the vessel	Date and Time Selector	No
Actual Time of Arrival	Actual Arrival time and date of the vessel	Date and Time Selector	No
Shipping Agent			
Shipping Agent Code	Code used by Shipping Agent	Select from list box	Not active
Name	Name used by Shipping Agent	Auto filled	Not active
Address	Address used by Shipping Agent	Auto filled	Not active
Totals			
Consignments	Number of consignments in cargo	Free-numbered box with incrementor	No
Packages	Number of packages in cargo	Free-numbered box with incrementor	No
Equipment	Number of equipment in cargo, if any	Free-numbered box with incrementor	No
Gross Weight	Total Gross weight of cargo	Free-numbered box with incrementor	No

Upon completion of filling the above fields, the Carrier is presented with three of the following options:

Function	Description
0	Verify Document, allows the Carrier to verify the data input before submission.
O	Reset Defaults (Reload), allows the Carrier to reset the page for data input.
•	Submit New, allows the Carrier to submit the declared cargo data input ASYHUB

Since our intention is to maintain the flow of cargo declaration, our goal is to Submit the document for the next process. Clicking submit converts the status of the document to "In





🗯 In Transit

Transit" and as also shown in the page . The point here is that the Carrier has declared the cargo which essentially has not arrived yet and hence the system must report the same.

The next step of cargo data creation is adding consignments to the cargo declaration.

5.1.2 New Consignment

New consignment based on Bill of lading information can be added to the declared cargo using two different methods i.e., through Cargo Declaration page clicking **+ New on** Related Consignment or left tools menu page by clicking **New Consignment** as shown below:



Clicking on any of the two options above, the Cargo declaration window open as shown below in Figure 5.2





Figure 5.2 Consignment submission form

= /							← ♠ →	0	8	EN
ď	Consignments Maritime Cargo / Consignments / Consignments / New						Form Action Form Action Second Seco	6	↔	•
1	Last Port Call Voyage								~ .	
5	Last Port of Call *		Destination Port *	Voya	yage Number *	Departure Date From Last Port *				
\$	USZDZ	× 🛱	KHKOS X 🕄	5. CA	XMBV678	17/01/2024			Ξ×	
					7					
	Office *		Transport Means name	Trans	insport Mode *	_				
	C PHNOM PENH INTERNATIONAL PORT CEB	•	Cambodia Shippers X	0	Please select?					
			17	17						- 11
- I	Transport Document								<u> </u>	
	Carrier Booking Number		Transport Document Reference *	Pare	rent Doc. Reference	Unique Carrier Reference				
		0	0	•	0					
	Transport Doc. Type		Issue Date	Issue	ue Place					
	O Please select?	•	dd/mm/yyyy		50,	OB eBL				
	Journey details								· ·	
	Receipt Place		Loading Place •	Discl	icharge Place *	Delivery Place				
		5	8	KI-	инкоз 🗙 🕄				50	
	Estimated Time of Departure		Actual Time of Departure	Estin	timated Time of Arrival	Actual Time of Arrival				
	17/01/2024, 12:25 pm	\square ×	dd/mm/yyyy,-:	1 19	19/01/2024, 01:00 pm 🗎 🗙	dd/mm/yyyy, -:				
	Carrier								^ ·	
	Carrier Code *		Carrier Name	Carri	rrier Address					
	O REGU	•	ARROW SHIPPING AGENCY CO.,LTD. as an Agent of Regional Contain-	33	3-34, ST114 SANGKAT,MONURUM KHAN 7 MAKARA,PHNOM PENH CAM	BODIA				

The User will have to fill the fields above as guided in the table below:

Field	Description	How to Fill	Mandatory	
Last Port Call Voyage	e			
Last Port of Call	Last Port of call Code	Pre-filled from Cargo Data	Yes	
Destination Port	Pre-filled from Cargo Data	Yes		
Voyage Number	Voyage number used by the vessel	Free Text- Pre-filled	Yes	
Departure Date from Last Port	Departure Date from Last Port	Date Selector - Pre- filled	Yes	
Office	Office Port Name	ame Select from list box - Pre-filled		
Transport Means Name	Means of transport name	Free Text - Pre-filled	No	
Transport Mode	Yes			
Transport Document				
Carrier Booking Number	Carrier booking number	Free Text	No	
Transport Document Reference	Transport document reference eg. Bill of Lading	Free Text	Yes	
Parent Doc. Reference	Parent document reference e.g. Master Bill of Lading	Free Text	No	
Transport Doc. Type	ansport Doc. Type of transport document Select from list box pe			
Issue Date	Transport Document date of issue	Date Selector	No	





Field	Description	How to Fill	Mandatory
Issue Place	Transport Document place of issue	Select from search box or simply type the known code	No
Journey Details			
Receipt Place	Place where goods were received	Select from search box or simply type the known code	No
Loading Place	Place where goods were loaded	Select from search box or simply type the known code	Yes
Discharge Place	Place goods will unloaded	Select from search box or simply type the known code	Yes
Delivery Place	Place goods will be delivered	Select from search box or simply type the known code	No
Estimated Time of Departure	Estimated Time of goods Departure	Date Selector - Pre- filled	No
Actual Time of Departure	Actual Time of goods Departure	Date Selector	No
Estimated Time of Arrival	Estimated Time of goods Arrival	Date Selector - Pre- filled	No
Actual Time of Arrival	Actual Time of goods Arrival	Date Selector	No
Carrier			
Carrier Code	Carrier's code used by the vessel	Select from list box	Yes
Name	Carrier's name used by the vessel	Auto filled	Yes
Address	Carrier's address used by the vessel	Auto filled	Yes
	Parties		
Consignor			
Code	Consignor Code	Free Text	No
Name	Consignor Name	Free Text	No
Street and Number	Street name and Number	Select from list box	No
Postal Code	Postal Code	Free Text	No
City	Consignor City location	Free Text	No
Country	Country	Select from list box	No
Phone	Phone number	Free Text	No
Email	Email address	Free Text	No
Notify Party			
Code	Notify Party Code	Free Text	No
Name	Notify Party Name	Free Text	No





Field	Description	How to Fill	Mandatory
Street and Number	Street name and Number	Select from list box	No
Postal Code	Postal Code	Free Text	No
City	Notify Party City location	Select from list box	No
Country	Country	Select from list box	No
Phone	Phone number	Free Text	No
Email	Email address	Free Text	No
Consignee	•		
Code	Consignee Code	Free Text	No
Name	Consignee Name	Free Text	No
Street and Number	Street name and Number	Select from list box	No
Postal Code	Postal Code	Free Text	No
City	Consignor City location	Select from list box	No
Country	Country	Select from list box	No
Phone	Phone number	Free Text	No
Email	Email address	Free Text	No
Consignment Items			
Gross Weight	Gross Weight	Free Text	No
Number of Packages	Number of packages in cargo	Free Text	No
Package Type	Number of equipment in cargo, if any	Select from list box	No
HS Code	HS Code	Free Text	No
Commodity Code	Commodity Code	Free Text	No
Shipping Marks	Shipping Marks	Free Text	No
Stuffings			
Equipment Number	Container Number	Free Text	No
Stuffed Gross Volume	Stuffed Gross Volume	Auto filled	No
Stuffed Gross Weight	Stuffed Gross Weight	Auto filled	No
Stuffed Packages	Number of Stuffed Packages	Auto filled	No

Upon completion of filling the above fields, the User is presented with three of the following options:





Function	Description
0	Verify Document, allows the User to verify the data input before submission.
0	Reset Defaults (Reload), allows the User to reset the page for data input.
•	Submit New, allows the User to submit the declared cargo data input ASYHUB

5.1.3 Files Upload (XML/Excel)

Through this method, the user is provided with the recommended format to prepare the data export from their systems and later to import with the XML or Excel formats into ASYHUB.

Uploading the data through the XML/Excel formats will enable the Carrier to essentially load the same data set as they would do normally through the User-Generated method explained earlier above. In principle it covers the Cargo Declaration, Consignments and Containers. Additionally, the file uploading allows the degroupage of the consolidated bills of Lading.

Both functions are available on the left hand-side toolbar with options to perform File Uploads shown below:



Figure 5.3 Fast Cargo Integration (XML files only)





The Fast Cargo Integration (XML) further described below in the table:

Function	Description
Upload file options Q Filter Q Reload Image: Degroupage After clicking any of the three options above, the Data upload function open the interfaces below:	Carriers or Shipping Agents are provided with the three options to upload data on Bill of Lading, Manifest and Degroupage of Bills. Freight Forwarders or NVOCCs are not allowed to submit Manifest and do not have that option available.
Bill Of Lading ×	Bill of Lading, the interface allowing the User to upload the file. The user should click anywhere inside the input field and then select the file to upload.
Manifest × Upload File	Manifest, the interface allowing the User to upload the file.
Degroupage ×	Degroupage, the interface allowing User to upload the file.

Users are provided with the format for both the XML and Excel in the Appendix 1, for guidance in preparing their systems to generate the data in the proposed formats.

5.1.4 System to System Integration (REST API)

Through this method, the Carrier is provided with the capacity to prepare the cargo information and immediately upload it to ASYHUB through REST API (HTTPS). This is the fastest method of transferring the cargo declarations details.





Users willing to develop this submission method through REST API are provided with documentation package including API Guide for System to System Data Integration, Message Schemas and Messages Structure Descriptions.

5.2 Cargo Information Management

After preparing and loading our data, this section provides the Carrier/Shipping Agents to manage the data once in ASYHUB. Since cargo movement is dynamically staged, so is the management of the respective data. As the status changes operationally, the status is equally changed in ASYHUB. So, both the dynamics and status changes should be reflected and for everyone in operations to see.

From the ASYHUB operations point of view, the following functions will be ready for the users stage by stage, the flow of which is essential completions of the cargo movement:

5.2.1 Update Consignment

Once the consignment has been submitted in ASYHUB, the User can update its information.

For this, need to select the consignment declared initially in ASYHUB by selecting the ones available or by performing a search as shown below in in Figure 5.4



Figure 5.4 Maritime Cargo - Consignments

Selecting Consignments option above leads the user to select the appropriate Consignment to update from the list in Figure 5.5.





Figure 5.5 List of Consignments

= ,	E ASY HUB Platform UI												
٩	Consignments Consignments / Consignments / Consignments										r 🗘 Reload 🛢		
n		Reference	Parent Reference	Carrier	Loading Place	Discharge Place	Office Code	Departure Port	Voyage Number	Departure Date	Transport Status	Transport Means	Document Status
H	:	BL01		REGU	USZDZ	KHKOS	PNH02	USZDZ	CMBV678	2024-01-17	P Arrived	Cambodia Shippers	
₩	:	BL02		REGU	USZDZ	KHKOS	PNH02	USZDZ	CMBV678	2024-01-17	P Arrived	Cambodia Shippers	A House
*	:	NGBCB23035465		REGU	CNNGB	KHKOS	PNH02	CNSHK	060S	2024-01-15	P Planned	060S	P Planned
±	:	NGBCB23034198		REGU	CNNGB	KHKOS	PNH02	CNSHK	060S	2024-01-15	P Planned	060S	P Planned

Below is the option to edit the bill of lading, available at the top righthand corner of the window as shown below in figure 5.6.

Figure 5.6 Form Actions – Edit

		÷	A	→	::	8	EN	нс
@ F	orm Actio	ons	∙⊙н	listory	5	↔		P
₽	Edit							Ê
仓	Set Hous	e						0
\otimes	Cancel					^	к ^и	
Dono	rtura Data	From I	ant Dar	+				

After clicking on Edit the system will open the consignment in edition mode. Once you are done with the modifications, you need to click again on Form Actions and choose the option Submit as show below in figure 5.7

Figure 5.7 Form Actions – Submit







5.2.2 Deconsolidation

Consignment that has the default status "**B/L Issued**" can be a Consolidated Bill of Lading which has to be degrouped or in other words creating many bills of lading out of this bill of lading (as source).

If you are adding a Master Consignment, then the box referring to "Parent Doc. Reference" should be empty as shown below:

Transport Document	Α				
Carrier Booking Number	Transport Document Reference *	Parent Doc. Reference			
0	Insert Bill of Lading Ref. No	Leave Empty			
Transport Doc. Type	Issue Date	Issue Place			
Q Please select? ▼	dd / mm / yyyy	Q			

Freight Forwarders are not allowed to submit Master Consignment that has empty parent document reference.

For the creation of BOL which is deconsolidating a Master Bill of Lading [that was created by the Carrier or Shipping Agent], the Freight Forwarder or the NVOCC is supposed to make sure to fill the Transport Document Reference and the Parent Document reference properly as shown below:

Transport Document	Α	В
Carrier Booking Number	Transport Document Reference *	Parent Doc. Reference
	Insert Bill of Lading Ref. No	Insert Master Bill of Lading
Transport Doc. Type	Issue Date	Issue Place
O Please select?	dd / mm / yyyy	E Q

If the parent document reference exists in ASYHUB, the status of the corresponding Consignment is marked as "**Deconsolidated**"





If the parent document reference does not exist in ASYHUB, the deconsolidation is accepted and the newly submitted "Consignment" is marked as Orphan.

6. Container Management for Consignments

This section explains how to add the containers on the declared consignments. There are two ways to do this. First method is when creating the Bill of Lading by adding the details **Consignment Items**, which opens the **Stuffings** that accommodates the container information. Second method is by adding the container through ASYHUB tool menu by clicking **New Container**.

6.1 Consignment Items section - Bill of Lading

During the process of filling the New Consignment, the user fill the **Consignment Items** section. By adding the item details, the process subsequently opens the **Stuffings** which allows filling the container details. These are shown below as follows:

Consignment Items

Cor	isignment It	ems					+ .*
	*	Gross Weight (Kgs)	Number of Packages	Package Type	HS Code	Description	
	1	1000					^
Gros	Weight *		Number of Packages *		Package Type *		
10	00			0	C Please select?		•
HS C	ode		4 Commodity Code	U	Dangerous Goods		
					O Please select?		•
			0	0			
Desc	iption •						
Ohio	an Martin A						0
Shipp	ing Marks -						

Stuffings

		+ *
Stuffed Gross Volume	Stuffed Gross Weight	Stuffed Packages
		^
Container Type	Stuffed Gross Volume	
O Please select?	•	0
Stuffed Parkanee		0
0		
0		
	Stuffed Gross Volume Container Type Please select? Stuffed Packages	Stuffed Gross Volume Stuffed Gross Volume Container Type Stuffed Gross Volume P Flosse splect? • Stuffed Packages •





These two sections allow the user to fill in the required cargo item and container detail supporting the submission. The fields are clearly shown in the following table:

Field	Description	How to Fill	Mandatory				
Consignment Items							
Gross Weight	Total Weight of Consignment	Free Text	Yes				
Number of Packages	Total Number of Packages	Free Text	Yes				
Package Type	Type of packaging used	Select from list box	Yes				
HS Code	HS Code	Free Text	No				
Commodity Code	Commodity Code	Free Text	No				
Dangerous Goods	Type of dangerous good	Select from list box	No				
Description	Description of goods	Free Text	Yes				
Shipping Marks	Shipping Marks on consignment	Free Text	Yes				
Stuffings							
Equipment Number	Container Number	Free Text	No				
Container Type	Place where goods were loaded	Select from list box	No				
Stuffed Gross Volume	Total volume of stuffed cargo	Free Text	No				
Stuffed Gross Weight	Total weight of stuffed cargo	Free Text	No				
Stuffed Packages	Number of stuffed packages	Free Text	No				

6.2 New Container

This methos of adding container allows the user to create the information with additional details compared to the Stuffing option. The form has four sections namely, Last Port Call Voyage, Information, Carrier and Seals. The below in future 7.3 shows the respective fields to be filled for those section:





Figure 7.3 New Container

≡ /	ASY HUB				← ♠	→	8	8	EN	AS
٩	Containers Maritime Cargo / Containers / Containers / New				🕑 Form Acti	ons	Ð	↔	•	0
↑ :: :	Last Port Call Voyage	Destination Port •	Voyage Number *	Departure Date From Last Po	ort.*		,			
± ⊞ ≟	Office • Please select? •	Transport Means Name	Transport Mode • Please select?]						
	Information Equipment Number •	Container Type O Please select?	Empty Weight	Empty Indicator * Please select?				•		
	Estimated Time of Arrival mm/dd/yyyy -:	Actual Time of Arrival mm/dd/yyyy -:								
	Carrier Carrier Code Name Please select? Carrier Address O		Seals # Seal Number No do	Sealing Party			4	F .		
ASYHUB	- UNCTAD ASYCUDA Programme © 2025 – ASYHUB UL	0				mplemer	nted By I	UNCTA	/DTL/A	SYCUDA

The fields are clearly shown in the following table:

Field	Description How to Fill		Mandatory				
Last Port Call Voyage							
Last Port of Call	Last or Final Port of Call	Select from list box	Yes				
Destination Port	Destination Port Code	Select from list box	Yes				
Voyage Number		Free Text	Yes				
Departure Date from Last Port		Date and Time Selector	Yes				
Office	Office Code	Select from list box	Yes				
Transport Means Name	Name of Vessel	Free Text	No				
Transport Mode	Mode of transport	Select from list box	Yes				
Information							
Equipment Number	Container Number	Free Text	Yes				
Container Type		Select from list box	No				
Empty Weight	Empty weight of container	Free Text	No				
Empty Indicator	If loaded or empty	Select from list box	No				
Estimated Time of Arrival		Date and Time Selector	No				
Actual Time of Arrival		Date and Time Selector	No				
Carrier							
Carrier Code	Carrier assigned Code	Select from list box	No				





Field	Description	How to Fill	Mandatory			
Name	International Maritime Organization Registration Number	Pre-filled from Carrier Code Data	No			
Carrier Address Address of the Carrier		Free Text	No			
Seals						
Seal Number		Free Text	No			
Sealing Party	The party to the seal	Select from list box	Yes			

7. Process Flow Follow-up

ASYHUB provides records that are logged to allow monitoring of the trade flow. It is designed to show the Timeline recording the time spent on steps involved in the three key areas on Cargo Declaration, Consignments and Containers as shown in Figure 4.1

ASYHUB Historized Operations

≡.	
٩	e.g. My Profile
♠	Home
88	Dashboards 🗸
Ů	Maritime Cargo 🔨
•	Cargo Declarations
	New Cargo Declaration
	Cargo Declarations
•	Consignments
	New Consignment
	Consignments
•	Containers
	New Container
	Containers

The lodged information and their operational details can be visible for follow up at every stage. The History can be checked by opening any of the operations encircled above which should show the following access :





Link to ASYHUB Historized Operations

	÷	A	→	0	8	EN	PC
🔮 Form Actio	ons	• н	istory		↔		8
						^	
							~
1-516361618549							

By clicking on the History, the Carrier/Shipping Agent will open the following Window:

Historized Operations - Detailed

History						×
	Version : 8 Operation : Submit Arrival	Status	Created &s	Undated &t	Created/lipdated By	^
•	Uere: porgan State: 1:100:12024 1:02:219 Version: 17 Operation: : Submit Anival Uere: porgan States: : House	House House Internal ID 7e317737-4fd9-4df3-9f66-df785413b0d8	19/01/2024 05:16:29 Originator/Owner REGU	19/01/2024 19:07:19 Data Provider asyhub-ui	Provider Document ID 1d679cdc-f04b-45a5-b184-516361618549	
		Last Port Call Voyage	Destination Port	Voyage Number	Peparture Date From Last Port	l
•		USZDZ 🙇	KHKOS C	7 Transport Mode *	17/01/2024	
	Date Time : 19/01/2024 18:35:12	PHNOM PENH INTERNATIONAL PORT CEB ~	Cambodia Shippers	Maritime Transport ~	Arrived	
	Version : 6 Operation : Set House Here: 4 component	Transport Document Carrier Booking Number	Transport Document Reference	Parent Doc. Reference	م پ [*] Unique Carrier Reference REGUBL01	
•	User : pcygan Status : House Date Time : 19/01/2024 18:29:58	7 Transport Doc. Type	4 Issue Date	o Issue Place	J	
	Version - 4	Bill of lading ~	17/01/2024	USZDZ 🛱	Un eBL	<i>~</i>

The window above is split into two, the lefthand side shows the different versions of the historized activities and on the righthand side the respective details of history changes on the system.

In the Figure below, the lefthand side history of the shows the summary, showing the version, operation, user, status and date time details. And underneath the option to click and View the details. The version below indicates that is it version 8, hence the user can continue to view the versions 7, 6, 5, 4, 3, 2 and 1 if necessary.





Lefthand side of History Summary



By clicking on the View, the Carrier/Shipping Agent opens the following window shown below, appearing on the righthand side:

Status	Created At	Updated At	Created/Updated By			1
nouse nouse	19/01/2024 05:16:29	19/01/2024 19:07:19	pcygan			
Internal ID	Originator/Owner	Data Provider	Provider Document ID			
7e317737-4fd9-4df3-9f66-df785413b0d8	REGU	asyhub-ui	1d679cdc-f04b-45a5-b184-516361618549			
Last Port Call Voyage				^	к ^и	
Last Port of Call	Destination Port	Voyage Number	Departure Date From Last Port			
USZDZ	кнкоз	CMBV678	17/01/2024			
			7		_	
Office	Transport Means name	Transport Mode *				
PHNOM PENH INTERNATIONAL PORT CEB 👻	Cambodia Shippers	Maritime Transport	✓ P ^a Arrived			
		17				
Transport Document				^	ĸ, ⁷¹	
Carrier Booking Number	Transport Document Reference	Parent Doc. Reference	Unique Carrier Reference			
9iuu777	BL01		REGUBL01			
	7	4	0			
Transport Doc. Type	Issue Date	Issue Place				
Bill of lading -	17/01/2024	USZDZ	eBL			

The details above are the details of the operations with the respective historized changes in the system.