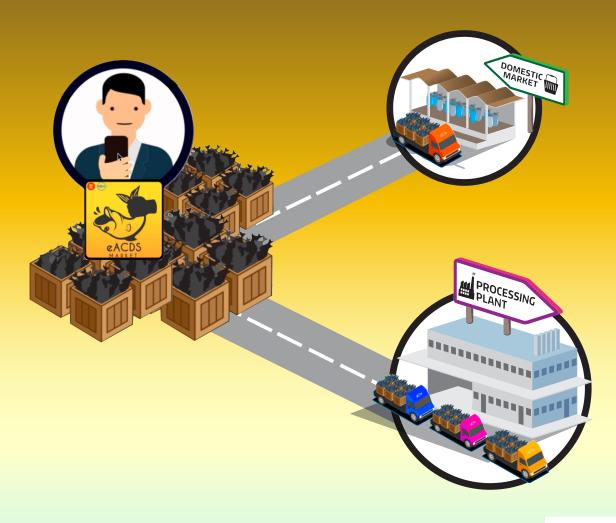
USER'S MANUAL electronic ASEAN Catch Documentation Scheme (eACDS)

PART 3: MOVEMENT DOCUMENT

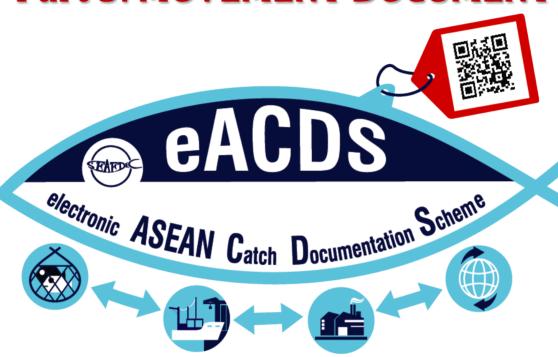




USER'S MANUAL

electronic ASEAN Catch Documentation Schemes (eACDS)

Part 3: MOVEMENT DOCUMENT



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TD/TRB/94



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USER'S MANUAL

electronic ASEAN CATCH DOCUMENTATION SCHEMES (eACDS)

PART 3: MOVEMENT DOCUMENT (MD)

CHAPTER 1: BACKGROUND

The fisheries sector in Southeast Asia is critical, contributing to people's social, economic, and livelihoods. The several ASEAN Member States were the top ten seafood producers exporting to the world seafood-market during the past decades and even now. However, the challenges on the international fish-trade related issues, particularly the IUU fishing issues, have significantly impacted the ASEAN seafood exporting until the present. In 2015, all ASEAN Member States (AMSs) requested SEAFDEC to develop the ASEAN Catch Documentation Scheme (ACDS) to enhance a traceability system for fish and fisheries products in the ASEAN. SEAFDEC, through the technical consultations with all Member Countries, drafted the ACDS concept in 2015-2017, the ASEAN adopted the ACDS concept in May 2017 (Appendix 1).

To support the implementation of the ACDS, SEAFDEC Training Department (SEAFDEC/TD) has developed the 1st version of the electronic system of the ACDS (eACDS-V.1) in collaboration with a pilot country, Brunei Darussalam, in 2017-2018. The prototype eACDS covers the management of the Catch Declaration (CD), Movement Document (MD), and issuance of Catch Certification (CC). However, the catch reporting at sea was the fundamental problem when mobile devices operated offshore without an internet signal. There was no monitoring system on how raw-fish materials were used in the processing plants and no vessel tracking functions. For these reasons, from 2019 till the 3rd quarter of 2020, SEAFDEC/TD has improved the eACDS applications in collaboration with the Directorate of Fisheries (D-Fish) of Viet Nam. Based on the lesson learned from the existing paper-types of the Viet Nam Catch Certification for EU-Market, SEAFDEC/TD developed the 2nd version of the eACDS (eACDS-V.2) through closed collaboration with the Sub D-Fish in Binh Thuan Province.

The eACDS-V.2 applications are to replace the eACDS-V.1 as a new prototype application for further promotion in the ASEAN. The new eACDS system includes mobile application in both online and offline modes for catch reporting at sea, which is a part of the catch declaration process. The 2nd version also added other critical functions on traceability called the Statement of Catch (SC) for monitoring the use of raw-fish materials in the processing plant, as shown in **Figure 1-1**. The system also includes the transshipment at sea and many new features in the applications, such as vessel tracking on the eACDS mobile application, timeline activities recording, summary report, a dashboard for the manager, *etc*.

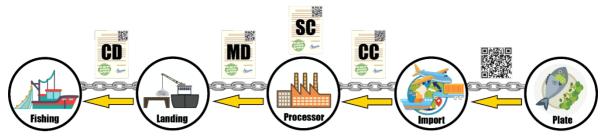


Figure 1-1: Traceability System for Marine Capture Fisheries

The ASEAN Catch Documentation Scheme (ACDS) is a management tool to prevent the entry of fish and fishery products from IUU fishing to the supply chains in the ASEAN. Towards the improvement of the traceability system for marine capture fisheries, the manual's overall objective of the ASEAN Catch Documentation Schemes' electronic system is to guide relevant stakeholders along the supply chains to understand the step-by-step how to implement the eACDS applications.

The eACDS User's Manual consists of six (6) parts described along with traceability system processes from catching to landing, purchasing, transferring of catch to processing, using raw materials in processing, issuing the certification, and exportation. Besides, some countries in the ASEAN implements transshipment at sea. The eACDS applications, therefore, include the transshipment at sea in a separate part. There are six (6) parts of the manual as follows:

Part 1: Introduction of the eACDS

Part 2: Issuance of the Catch Declaration (CD)

Part 3: Issuance of the Movement Document (MD)

Part 4: Issuance of the Statement of Catch (SC) and Catch Certification (CC)

Part 5: Transshipment at Sea

Part 6: System Administration

This manual refers to the 2nd part of the eACDS system focusing on the issuance of Movement Document (MD). The processes for issuance of Movement Document (MD) to the buyers are to assure that movement of fishes from fishing port to either local market or for the domestic market is monitored and regulated. Notably, the movement of fish from landing to the processing plants for exporting to the international market. To ensure that all movement process of fish to domestic demand and processing plant, SEAFDEC developed the eACDS market application to support the implementation and record the purchasing processes to the eACDS system for effective management and enhancement of the traceability system of marine capture fisheries. The Movement Document (MD) includes the purchasing procedures after fish landed and verified for sale, purchasing by buyer and processor, and accepted for purchase from boat owner. The stakeholders concerned in Movement Document (MD) process are mostly related to the buyers, processor, fishing vessel owner or fishing master, and port authority.

CHAPTER 2: GENERAL INFORMATION

CHAPTER 2-1: HOW MOVEMENT DOCUMENT (MD) WORKS

- ✓ Movement Document (MD) is a certificate to the buyer who purchases fish from fishing vessels, either direct or indirect, and transports their fish to the domestic market or processing plant(s). The MD certificate, given to the buyer(s), is to assure that fish from the vessels come from fishing legally, reported, and regulated following the national management measures. Besides fish from the landing port were recorded and regulated for not only domestic market but also for processing before exporting to the international market.
- ✓ The MD certificate for the 1st buyer, for instance of Viet Nam, is as appears in **Figure 3-76**, composes of two (2) pages, namely:
 - Page 1/2: Certified information from Catch Declaration (CD), including the verified species by weight from the fishing vessel
 - Page 2/2: Certified fish species bought from the vessel including the remaining stock of buyer
- ✓ In case the 1st buyer sold fish to the 2nd buyer, the MD for the 2nd buyer will have three (3) pages. The first two pages are similar to **Figure 3-76**. The 3rd page of MD for the 2nd buyer is a certified fish species by weight bought from the 1st buyer, including the remaining stock of buyer or the first buyer, as appears in **Figure 3-107**.
- ✓ MD number is automate generated from the eACDS system after all purchasing process completion. The MD number composes of fourteen (14) digits similar to the CD number, for example:

MD Number = VNMD3107200001

Where:

VN = Country name, e.g., Viet Nam

MD = Movement Document

310720 = Issued Date (DDMMYY)

0001 = Running number for each day

- ✓ The mobile application for MD processes is the eACDS market application (in short called Market app.).
- ✓ To use the Market app., all buyers must register to the port authority or fisheries provincial authority. One of the essential data requirements for registration is the email account of the applicant.

CHAPTER 2-2: INSTALLATION OF EACDS MARKET APPLICATION

- ✓ Users can search for "eacds" on the Play Store for Android or App Store for iOS, and install the "eACDS-Market" to the mobile devices (mobile phone, tablet, *etc.*). The details on how to install the eACDS market application for mobile users are as follows:
 - 1. Open Play Store for Android or App Store for iOS.
 - 2. Search for "eacds" users will find application icons as shown in Figure 2-1.
 - 3. Click or open the eACDS-Market, the installation page will appear, as shown in **Figure 2-2**, and the icon of the eACDS-Market will appear on the screen of the mobile device, as in **Figure 2-3**.

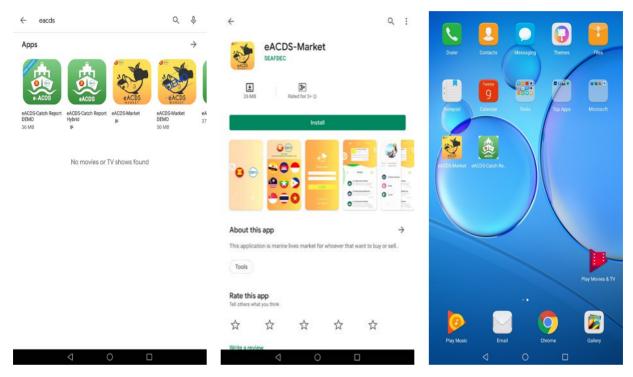


Figure 2-1: eACDS Application on Play Store

Figure 2-2: Installation

Figure 2-3: eACDS-Market Icon on Mobile Phone

- ✓ Users can also refer to the **User's Manual for eACDS**, **Part 1: Introduction**.
- ✓ Besides, port authority concerned on the issuance of MD must know how to access the eACDS web application. For instance, in Viet Nam, the URL is https://eacds.seafdec.org/vietnam from the desktop computer or mobile device such as a tablet, mobile phone, *etc.* However, running the eACDS web application on a personal computer will provide the best display results.

CHAPTER 2-3: FEATURES OF THE eACDS-MARKET



The eACDS-Market page includes three (3) main parts:

(1) **Navigator**: this top bar shows a current page for users. There are three (3) pages "BUY", "SELL", and "HISTORY".

(2) Your Cart:

- In the "BUY" page, the cart shows the order from the buyer that send to the seller (fishing vessel owners)
- On the "SELL" page, the cart shows the order that waiting for the fishing vessel owner's response
- (3) **Market**: the market shows a list of fishing vessels that already have a CD certificate for selling the marine lives at the port.



- ✓ For buyer, who wants to buy marine lives from the fishing vessel(s), please click/select "BUY".
- ✓ "SELL" page is for a fishing vessel owner or fishing master who wants to sell their fishes.
- ✓ And if user wants to know what items you have already bought or sold, then go to "HISTORY".







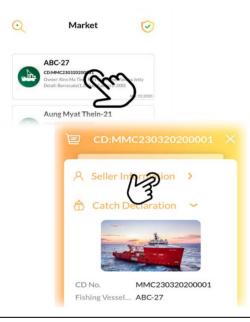


The order that shown in cart includes four (4) parts:

- (1) **Owner**: it can be a fishing vessel or person who resells their MD fishes. The code under the owner's name is an identification code that can denote the type of item. It can be a CD (from fishing vessel) or MD (from reselling).
- (2) **Status**: there can be three (3) statuses
 - 1. **Pending (Yellow)** denotes that this order is still waiting for seller response.
 - 2. **Accepted (Green)** denotes that the seller already accepted this order, and this purchase is finished.
 - 3. **Denied (Red)** denotes that the seller denied this order.
- (3) **Order Date**: date that buyer sends the order to the seller.



- ✓ The market shows the available items on the eACDS-Market system.
- ✓ Users can select/click on the "Magnifier" icon to search an item that matches the keyword such as fish species name, vessel name, and code.
- ✓ Three (3) types of item
 - 1. indicates that fish species in market came from the fishing vessel
 - 2. indicates that fish species in market came from the carrier vessel
 - 3. indicates that fish species in market came from reseller



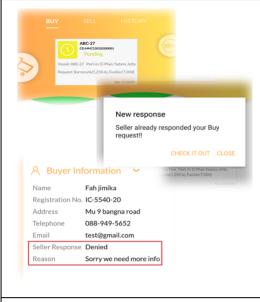
In case you are buver:

- ✓ Go to "BUY" page and find the item you want from market, then click/select the item to see the detail.
- ✓ Detail of the item is separated into two pages.
- ✓ The "BUY" page includes seller information and "Catch Declaration" sections, in which the user can select each section to show or hide information.
- ✓ "Catch Declaration" section displays the source of marine lives, such as fishing vessel, catch area. operation date.
- ✓ Click the "Seller Information" section to see the second page.



In the second page:

- ✓ The buyer has to fill species request that want to buy in the "**Species Request**" section.
- ✓ The next step is to select species and input the amount of weight.
- ✓ Please be noted that the available weight shown for the first time in seller stock can be adjusted as required by the buyer.
- ✓ Next step, the buyer has to fill out the buyer information, then click "SEND ORDER" and wait for seller response.

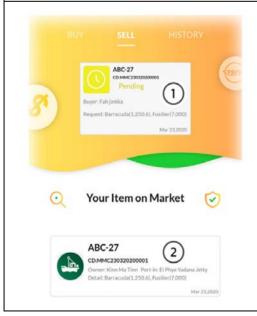


- ✓ If the seller already response the "ORDER" from buyer, a notification message will be sent to the buyer; two (2) ways:
 - 1) an SMS, if the buyer did not open the Market app.
 - 2) A pop up message in the Market app.
- ✓ Click on "CHECK IT OUT" to see the seller's response in the buyer information section.
- ✓ The response could be:
 - o Accepted
 - Denied
 - Pending



In case of reselling to the market:

- ✓ If the seller accepted the order from the buyer, then the buyer will get the MD number to use as an identification of this purchasing process.
- The MD can be printed out in the PDF format and can place in the market again by click the "SHOW ON MARKET" button. After that, the buyer's MD will be shown in the market.



For **seller**:

- ✓ If you were seller, either fishing vessel owner or own MD for sale.
- ✓ In the "**SELL**" page, (1) the cart shows the order that has been sent to the user and waits for your response. (2) Market shows your available item in the market, click on the item to see your current marine lives stock.



For **seller**:

- ✓ Seller should check the species request and buyer information before any action.
- ✓ The first number in weight is ordered weight, and the second is your total weight in stock.

Click on "ACCEPT" to accept the order, and the remaining stock will be deducted from the total one.

If not, select "**DENY**" to canceling the order and give the buyer a reason.



HISTORY page

Users can switch between "BUY" and "SELL" transactions by click the switch icon on the upper left corner.



Special features:

- ✓ Swipe right from the left edge to display the user's profile, and
- ✓ Users can also change the language or logout.

CHAPTER 3: ISSUANCE OF MOVEMENT DOCUMENT (MD)

In practice, the process of fish purchasing from fishing vessels to the buyers is complicated. SEAFDEC recognizes that the actual practices it is referred to the price as controlling from the buyers. In some countries, fishing vessel owners sell their fish directly to the domestic market, processing plants, or both. Based on the lessons learned from the SEAFDEC Member countries, we found that there is more than one buyer in the process. Nonetheless, all fish in the purchasing process required the report to the eACDS server via the eACDS-Market and eACDS web application. To demonstrate how eACDS-Market works, we divided the steps of implementation into two (2) scenarios as follows:

SCENARIO 1: TWO BUYERS DIRECTLY PURCHASE FISH FROM FISHING VESSEL

As shown in **Figure 3-1.** There are two (2) ways under this scenario as follows:

- ✓ Two buyers respectively purchased fish from the same fishing vessel. For instance, the 1st buyer made the purchased order to seller and received accepted from the fishing vessel. Then the 2nd buyer made another purchased order to buy the remaining fish (either all or some parts) from the fishing vessel (see **Chapter 3-1**).
- ✓ Two buyers made individual purchased order from the same fishing vessel at the same time. In this scenario, seller will receive two purchased orders appear in the cart when opened the eACDS-Market. Regarding this seller has to choose one purchased order and deny another one if both buyers purchased the same catch species. By this methods, the denied buyer may has to resend the purchased order to buy the remaining catch from the seller.

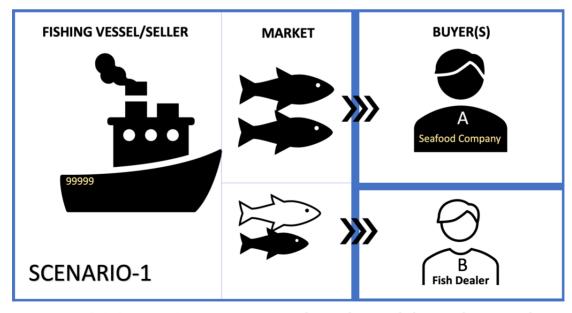


Figure 3-1: Scenario 1, Two Buyers Directly Purchase Fish from Fishing Vessel

SCENARIO 2: FISH DEALER BUY FISH FROM VESSEL THEN SELL TO OTHER BUYERS

As shown in **Figure 3-2**. There are many ways in practices either sell all or sell some parts to others buyers. In this manual shows after fish dealer buy fish directly from the fishing vessel, then they sell some parts of fish to the other buyers.

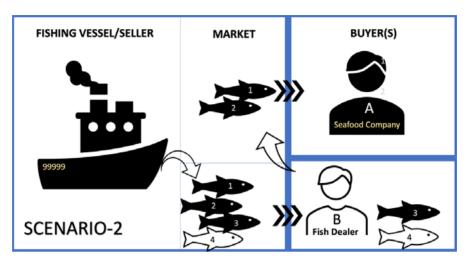


Figure 3-2: Scenario 2, Fish Dealer Buy Fish from Vessel and Sell to 2nd Buyer

The purpose of eACDS-Market is to record the fish purchasing from the landing or marketplace. The final process on this MD part is that the eACDS system will generate the MD after the port authority validated all data and information. All buyers will receive the MD certificate. There are many actors in the process, and it a bit complicated to implement if there were no electronic application called eACDS-Market. The step for issuing the MD (See **Figure 3-3**) can be summarized as follows:

- 1. Send a purchased order to the seller. (refers to **Step 1-1**, **Chapter 3-1**)
- 2. Accept the order by the seller. (refers to **Step 1-2**, **Chapter 3-1**)
- 3. Giving MD by port authority. (refers to **Step 1-3**, **Chapter 3-1**)



Figure 3-3: The Main Step for Fish Purchasing via eACDS-Market

CHAPTER 3-1: TWO BUYERS PURCHASE FISH DIRECTLY FROM A FISHING VESSEL

STEP 1-1: MAKE A PURCHASED ORDER TO SELLER

ACTOR: THE 1ST BUYER

- 1. After installing the eACDS-Market, on the mobile device, open the application, the Market app.'s first page will appear, as shown in **Figure 3-4**.
- 2. Select the user's country; a login page will appear, as shown in **Figure 3-5**.
- 3. The buyer (A) has to login using the email account and password that registered to the system to access the eACDS-Market. The introduction page will appear, as shown in **Figure 3-6**. Users can find details of the eACDS introduction; there are thirteen (13) pages. Otherwise, the user can skip this introduction part by click on "SKIP>>" at the top-right corner.
- 4. The buyers will find a new page name, "Market", where all fish sellers are listed whether from the fishing vessels that already completed weight verification and received CD or from fish detailer/company, as shown in Figure 3-7.
- 5. The buyers can find more information from each item of the list, such as the name of the fishing vessel, company, CD number, fishing vessel owner, fish species and weight, and the date for sale.
- 6. The buyers can find more detailed information about each fishing vessel. The chosen vessel's new information page will appear by a click on a selected fishing vessel, as shown in **Figure 3-8**. Click on the **"Catch Declaration"** section. A new page will appear, as shown in **Figure 3-9**.

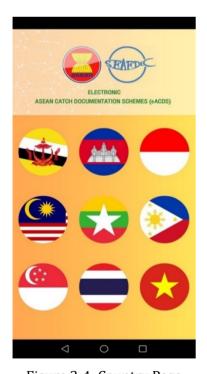


Figure 3-4: Country Page



Figure 3-5: Login Page of the eACDS-Market

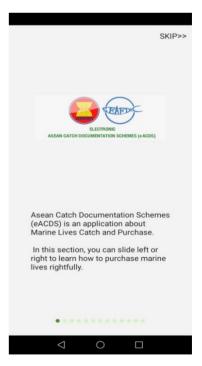


Figure 3-6: Introduction Page of the eACDS-Market

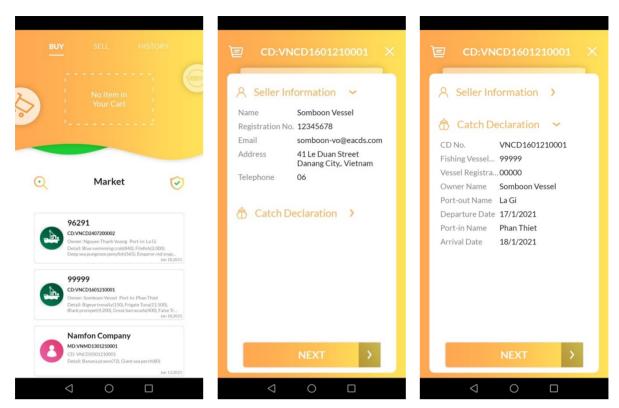


Figure 3-7: Market Page Shows List of Fish Seller

Figure 3-8: Seller Information Page

Figure 3-9: Information of the Catch Declaration

- 7. From **Figure 3-9**, if the user clicked "**NEXT**", the details of catch for the marketplace by species and by weight will be appeared for buyer selection (see **Figure 3-10**).
- 8. The following steps are for a buyer selection of fish species by weight intended to buy from this vessel. Buyers can type a number for the weight they want to buy by using a tool " to decrease or increase the list of species.
- 9. For example, as shown in **Figure 3-11**, the buyer selected the species and weight that wanted to buy. Following by selecting "**Buyer Information**" to input the necessary information such as buyer name or company name, registration number, address, contact number, and email. To order to the seller for acceptance, the buyer has to click on "**SEND ORDER**".
- 10. After click "SEND ORDER", a new message will alert to seek confirmation from the buyer, as shown in Figure 3-12. The user has to click "YES" for confirmation of the order.
- 11. **Figure 3-13** shows the "**BUY**" page of the eACDS-Market where the buyer can find their order placing in the cart. The status of this order is "**Pending**".
- 12. Buyer can click on the "CART" box to see the exact order; after clicked "CART", a detailed purchasing will appear as Figure 3-14. The pinpoint of this step is that the buyer can edit the order and "SAVE" to resubmission. Also, the buyer can delete the order if the buyer clicked "DELETE".
- 13. At this moment, the buyer has to wait for the accepted confirmation from the seller. Buyer can logout the eACDS-Market, using a finger to slide from most left to right of the screen, a logout page will appear as shown in **Figure 3-15**.

14. The buyer has to wait for the accepted confirmation from the seller who is boat owner access to the Market app. for sell confirmation (see **STEP 1-2: SELLER ACCEPTED A PURCHASED ORDER FROM BUYER**).

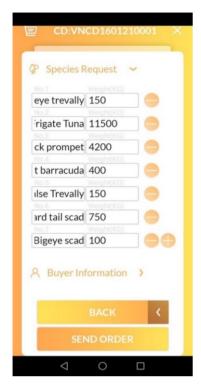


Figure 3-10: List of Fish Species and Weight from the Chosen Fishing Vessel

Market

(V)



Figure 3-11: List of Fish Species and Weight Wanted by the Buyer

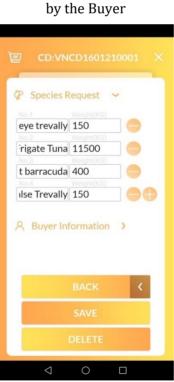


Figure 3-14: After Submission, the Purchasing Request from the Buyer



Figure 3-12: Alert Message to the Buyer Asking for Confirmation to Send Order

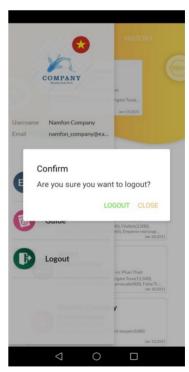


Figure 3-15: Logout the eACDS-Market



Namfon Company

STEP 1-2: SELLER ACCEPTED A PURCHASED ORDER FROM BUYER

ACTOR: FISING MASTER/BOAT OWNER AS SELLER

- 15. The following steps are for the fishing master/boat owner or seller to take any action, either "ACCEPT" or "DENY" of the purchased order from the buyer(s).
- 16. The fishing vessel owner or seller should receive a message **New Order** from the system, as shown in **Figure 3-16**. But in case, no notified message comes to the mobile device, and the seller can use the same user account for the eACDS-Catch Report Hybrid to open the eACDS-Market, as shown in **Figure 3-17**.
- 17. After login, the introduction page will appear. Users can skip the introduction pages and move to the "Market" page, as shown in Figure 3-18.
- 18. From **Figure 3-18**, at the top menu, the fishing master has to change a selection from "**BUY**" to "**SELL**" page as appears in **Figure 3-19**.
- 19. A **New Order** item appears in the cart. The seller has to respond to this message by click on the cart, new window of the order detailed information will appear as **Figure 3-20** and click the "**NEXT**" to **Figure 3-21** the buyer orders a list of fish species.
- 20. Now, the seller has to decide either to "ACCEPT" or "DENY" the order from the first buyer.
- 21. In the case of the boat owner/seller selected "ACCEPT", a message asking for confirmation will appear, as shown in **Figure 3-22**.
- 22. Click "YES" is to accept this order. And the system will move back to the main page for sell, as shown in Figure 3-23.



Figure 3-16: A New Order Message Appearing on the Fishing Master Mobile Phone



Figure 3-17: Login Page for Fishing Master or Seller



Figure 3-18: After Login, the System Always Come to Buy Page



Figure 3-19: One Order in the Sell Page



Figure 3-20: Seller Information Page



Figure 3-21: The Purchased Order, that the Seller has to Decide to Accept or Deny

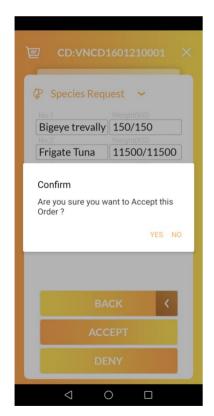


Figure 3-22: Alert Message After Seller Accepted the Purchased Order from Buyer

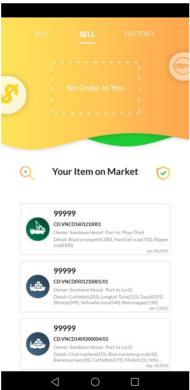


Figure 3-23: The Main Sell Page Shows No Order

Remarks:

- From **Figure 3-21**, there are two (2) values of the weight, for instance 150/150, means the amount of buy/the amount of sell. In this case, buyer purchased all 150 kg from the remaining weight 150 kg.
- If the buyer didn't want to buy all remaining fish, they can change a amount of fish, for instance 70/150, means the buyer purchased only 70 kg from the 150 kg remaining fish from seller.

STEP 1-3: VALIDATION AND ISSUANCE OF MOVEMENT DOCUMENT (MD)

ACTOR: PORT AUTHORITY

- 23. Port officer access of the eACDS web application. For instance, in Viet Nam, the URL is https://eacds.seafdec.org/vietnam using the designated email account and password provided by the system administrative, the eACDS web application will show. Then, select "Issuing MD" as shown in Figure 3-24.
- 24. The "**Issuing MD**" page shows the list of MD, including the status either "**Approved**", "**Denied**", or "**Accepted**".
- 25. **Figure 3-24** shows the "Accepted" status of the purchased order from the buyer "Somboon Company". Now, the process for port officer to validate the accepted order by clicking "icon, then a new window will appear as shown in **Figure 3-25**.
- 26. In case of selecting the "**Approve**" by port officer, a confirmation message will appear; port officer click "**Yes**" as shown in **Figure 3-26**; the system will return to the "**Issuing MD**" page, where the MD No. "VNMD2001210001" for buyer (Somboon Company) was "**Approved**" status (see **Figure 3-27**).
- 27. The system will generate a MD for the buyer. This MD can printout or send via email in the PDF format from port authority to the buyer by clicking ". The MD for the buyer is shown in **Figure 3-34**.



Figure 3-24: Issuing MD Page Shows a List of the 1st Buyer in Accepted Status

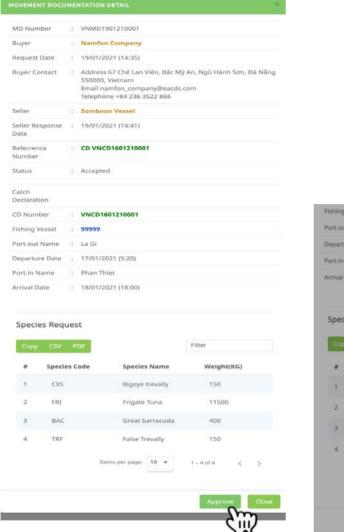


Figure 3-25: Movement Document Details for the 1st Buyer, Waiting for Approval from Port Officer

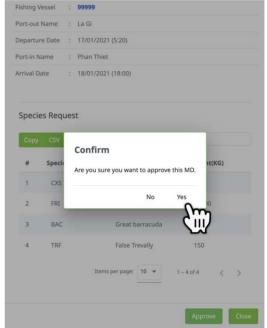


Figure 3-26: Port Officer Confirmed the Approved MD for the 1st Buyer



Figure 3-27: Port Officer Approved the MD for the 1st Buyer (Namfon Company)

ACTOR: 1ST BUYER

- 28. The 1st buyer will receive a message to mobile device as shown in **Figure 3-28**. The buyer can check the MD by opening to eACDS-Market, and select "**HISTORY**" page (**Figure 3-29**). Then selecting month and year folder to indicate the MD that user wanted (**Figure 3-30**). After that click on the selected MD (**Figure 3-31**), a detailed information of seller (**Figure 3-32**) and list of species request (**Figure 3-33**) will appear.
- 29. Click on "**PRINT**" button, the MD for the 1st buyer will appear as **Figure 3-34**.

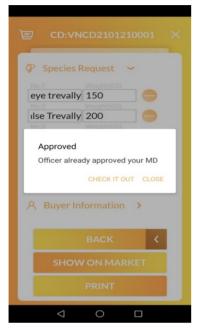


Figure 3-28: Approved MD Message to the 1st Buyer



Figure 3-29: Main Page of eACDS-Market



Figure 3-32: Seller and CD Information



Figure 3-30: Buy History Page



Figure 3-33: Species Request for this MD

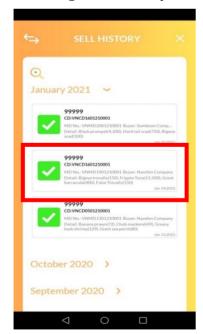


Figure 3-31: Click on a Selected MD

		LANDED CATCH	ES DOCUM	ENT AT	FISHING	G PORT		
is doc	ument has v	alid 90 days from issued dat	te			VNMD1901210 : VNCD1601		
Dof C	Number	VNCD1601210001						
Name	of Fishing Po	rt: Phan Thiet						
Addre	ss: 75 Tru	ng Trac St., Duc Thang, Phan T	hiet, Binh Th	uan, VP 1	728			
			CERTI	FIED				
		el Owner/Captain : Somboo on No. : 00000	on Vessel					
3. Fisl	ning License M	lo: 456666						
		18:00) has landed the catche ches: 17,250	s at port	KG				
tail:								
1	3ACode CXS		pecie ve trevally			Lande	d quantity 150	(kg)
3	FRI POB	Frig	ate Tuna c prompet				11,500 4,200	
4	BAC	Great	barracuda				400	
6	TRF HAS		e Trevally I tail scad				150 750	
7	BIS		eye scad				100	
		Idleman/Processor) : Namfo						
7. Sel	ing Method (I	Buy all/Buy a part/Buy some sp	ecies all/Buy	some spe	ecies a pa	ert): Buy some	species all	
	0	wner/Captain :	\neg	Г	Fisi	heries Represent	ative Office	at Port :
	_	2-1				- 4	4	
	$\langle \gamma \rangle$					Arr.		
		Signature	-			Signa	tura	
	Date	18/01/2021				Date 18/01		
		CERTIFIED (Use for fishing port aut			G CAT			20/01/20
		(Use for fishing port aut when the catche	horities to	certified ertified a	G CATO I the rer	CHES maining catche ed catches)	s	20/01/20:
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certific	ed the remain	(Use for fishing port aut when the catcher than Thiet 18/01/2021 ing catches on the "Landed cat VNCD1601210001	tches Docum	MD Nu	G CAT(CHES maining catche d catches) VNMD1901210 the Landed catches ued SC Catches	os Documen	ts naining tches
ertific Ref, CI	od the remain	(Use for fishing port aut when the catcher when the catcher is an Thiet 18/01/2021 ing catches on the "Landed cat VNCD1601210001 Specie	tches Docum Bought (K	MD Nu ents" afte	G CAT(CHES maining catche d catches) VNMD1901210 the Landed catches ued SC Catches	ooo1 Ren Ca	naining tches (KG)
ertific Ref. CI No.	3ACode	(Use for fishing port aut when the catcher when the catcher than Thiet 18/01/2021 ing catches on the "Landed cat VNCD1601210001 Specie	Bought (K	MD Nu ents" afte	G CAT(CHES maining catche d catches) VNMD1901210 the Landed catches ued SC Catches	ooo1 Ren Ca	naining tches (KG)
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No.	and the remain of Number:	(Use for fishing port aut when the catches and Thiet 18/01/2021 In Thiet 18/01/2021 Specie Specie Bigeye trevally Frigate Tuna Great barracuda False Trevally	Bought (K	MD Nu MD Nu ents" afte Catches G0 500	G CAT(CHES maining catche ed catches) VNMD1901210 the Landed catche (KG)	S Document Ca	ts snaining tches (KG) 150 1500 1500 1500 1500
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No.	and the remain of Number:	(Use for fishing port aut when the catches and Thiet 18/01/2021 In Thiet 18/01/2021 Specie Specie Bigeye trevally Frigate Tuna Great barracuda False Trevally	Bought (K	MD Nu MD Nu ents" afte Catches G0 500	G CAT(CHES maining catche ed catches) VNMD1901210 the Landed catche (KG)	S Document Ca	ts ts
No.	ad the remain Number: 3ACode CXS FRI BAC TRF	(Use for fishing port aut when the catches and Thiet 18/01/2021 Ing catches on the "Landed cat VNCD1601210001 Specie Bigeye trevally Frigate Tuna Great barracuda False Trevally Buyer:	Bought (K	MD Nu MD Nu ents" afte Catches G0 500	G CAT(CHES maining catche ed catches) VNMD1901210 the Landed catche (KG)	Ren Ca	ts ts

Figure 3-34: MD for the 1^{st} Buyer

ACTOR: 2ND BUYER

- 30. Following the same process from **Figure 3-4** to **Figure 3-15**, the remaining fish on fishing vessel "99999" will be appeared on the "**Market**" page. In this practice, the 2nd buyer (Somboon Company) will buy all remaining fishes from vessel "99999" via the eACDS-Market.
- 31. The 2nd buyer opened the eACDS-Market, then go to the "**BUY**" page, following the steps that appear in **Figure 3-5**, **Figure 3-6**, and **Figure 3-7** to select the fishing vessel "99999" and click on the vessel information.
- 32. Click on the **"Species Request"**, the remaining fish on vessel "99999" will appear as **Figure 3-35**. Regarding this, the 2nd buyer selected all remaining fish and then sending the request by click **"SEND ORDER"**.
- 33. Next step, a confirmation message will appear, as shown in **Figure 3-36**. Next, click "**YES**" to confirm to send the order, a new window will appear as in **Figure 3-37**.
- 34. **Figure 3-37** shows a purchased order from the 2nd buyer in the cart. The status of this order is "**Pending**", waiting for acceptance from the seller.



CD:VNCD1601210001

Species Request

No.1

Weight(KG)

ck prompet 4200

No.2

Weight(KB)

ard tail scad 750

Confirm

Are you sure you want to send Order to Somboon Vessel?

YES NO

BACK

SEND ORDER



Figure 3-35: Buyer Selects All Remaining Fish from the Vessel and Click Send Order

Figure 3-36: Confirmation Message for Sending the Order

Figure 3-37: Pending Status of the Order Appeared in the Cart of Buy Page

ACTOR: SELLER/FISHING MASTER

35. Seller checks the order made by the 2nd buyer from the eACDS-Market. After the seller opened the eACDS-Market, selecting the "**SELL**" page. The seller will see one order item in the cart. The order appears in "**Pending**" status as shown in **Figure 3-38**.

36. Seller clicks the cart item to see the detailed information as appearing in **Figure 3-38** (seller information), **Figure 3-39** (Catch Declaration information), and **Figure 3-40** (catch by species and weight selected by the 2nd buyer).

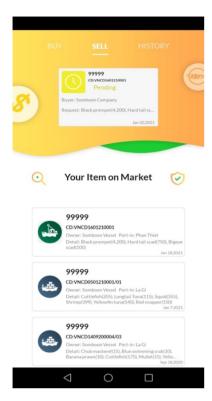


Figure 3-38: Sell Page, One Order in the Pending Status

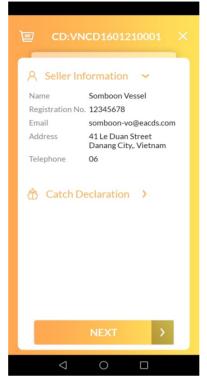


Figure 3-39: Seller
Information in the Purchased
Order

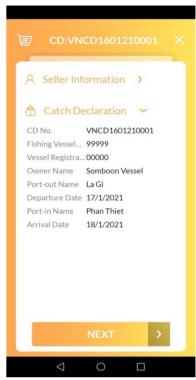


Figure 3-40: CD Information in the Purchased Order

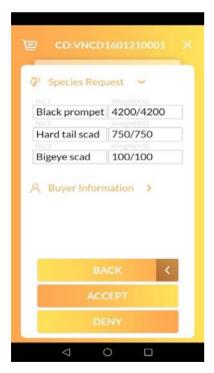


Figure 3-41: List of Species and Weight Ordered by the Buyer

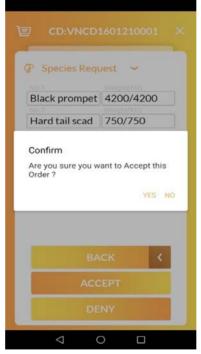


Figure 3-42: Confirmation Page for Acceptance the Order



Figure 3-43: Return to Sell Page After Seller Accepted the Order

- 37. **Figure 3-41** shows the list of fish species and weight that the 2nd buyer wanted to purchase, in which the fishing master or seller has to decide to "**ACCEPT**" or "**DENY**" the order.
- 38. If the seller accepted, click "ACCEPT", a confirmation message will appear as **Figure 3-42**. The seller has to click on "YES" to confirm the action, the system will end the process and return to the "SELL" page as shown in **Figure 3-43**. There is no more item remained in the cart of the seller.
- 39. After the seller accepted the order, the eACDS system will respond to the buyer's mobile device, at the same time to the port authority for further steps of issuance of MD to the buyer.

ACTOR: THE 2ND BUYER (RECIVED THE ACCEPTED ORDER)

- 40. From this step, the 2nd buyer will receive the message generated from the eACDS system send to the buyer's mobile device. Buyer can open the eACDS-Market to see the "**Accepted**" order in the cart of "**BUY**" page, as shown in **Figure 3-44**.
- 41. Please be noted that this is not the ended process for the 2nd buyer because no MD approved by the port authority yet. The 2nd buyer needs to wait for approved MD.



Figure 3-44: Accepted Order to the 2nd Buyer

ACTOR: PORT AUTHORITY (APPROVED MD)

- 42. Port officer accesses the eACDS web application and then selects the "Issuing MD" menu, a list of MD No. "VNMD2001210001" shows the "Accepted" status as shown in Figure 3-45.
- 43. Port officer has to click on "**Information**" icon " , a Movement Document's details will appear as in **Figure 3-46**.
- 44. After that port office has to approve the MD that is already accepted by the seller, click "**Approve**", a confirmation message will appear in **Figure 3-47**.
- 45. The system will return to the "**Issuing MD**" page, as shown in **Figure 3-48**. At this step, the status of MD No. "VNMD2001210001" will change to "**Approved**".
- 46. Port office can printout or sending the MD via email by click "**Printer**" icon "the MD in the PDF format will appear as shown in **Figure 3-54**.

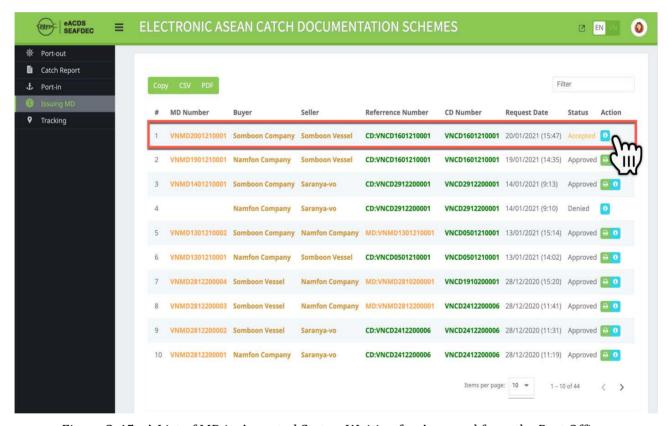


Figure 3-45: A List of MD in Accepted Status, Waiting for Approval from the Port Officer



CD Number VNCD1601210001 Fishing Vessel Port-out Name : La Gi : Phan Thiet Arrival Date : 18/01/2021 (18:00) Species Rea Confirm Are you sure you want to approve this MD. it(KG) No Hard tail scad Bigeye scad Items per page: 10 ▼

Figure 3-46: Detailed Purchasing Order from the 2nd Buyer

Figure 3-47: Port Authority Confirmed the Approved MD for the 2nd Buyer



Figure 3-48: Port Authority Approved the Purchasing Order and Issuance of MD for Both 1st Buyer (Namfon Company) and 2nd Buyer (Somboon Company)

ACTOR: THE 2ND BUYER (RECEIVED MD)

- 47. The 2nd buyer will receive a message on a mobile device. The buyer can check the approved MD by opening the eACDS-Market and selects the "**HISTORY**" page (**Figure 3-49**). Click on the exacted month and year folder (**Figure 3-50**), and the selected MD that the user wants to open (**Figure 3-51**).
- 48. The seller and CD information (**Figure 3-52**) and the Species Request (**Figure 3-53**) will appear. To open the MD form (**Figure 3-54**), the user has to click "**PRINT**" button.



BUY HISTORY X

Q
January 2021 >
October 2020 >



Figure 3-49: Main Page of eACDS-Market

Figure 3-50: History Page for the 2nd Buyer

Figure 3-50: History Page for the 2nd Buyer



Figure 3-52: Seller and CD Information Page



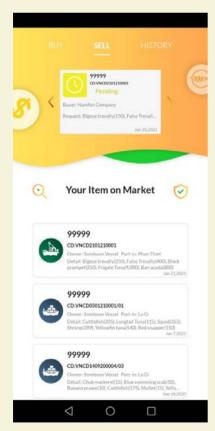
Figure 3-53: Species Request from the Approved MD

No. 3ACode Specie Landed quantity (kg) 1 CS Biggeye trevally 150 2 FRI Frigate Tuna 111,500 3 POB Black prompet 4,200 4 BAC Great barracuda 4400 5 TRF False Trevally 150 6 HAS Hard tail scad 750 7 BIS Biggey scad 100 6 Buyer Name (Middleman/Processor): Somboon Company 7. Selling Method (Buy all/Buy a part/Buy some species all/Buy some species all Owner/Captain: Fisheries Representative Office at Por Signature Date 18/01/2021 CERTIFIED THE REMAINING CATCHES (Use for fishing port authorities to certified the remaining catches when the catches has not certified the remaining catches when the catches has not certified the remaining catches when the catches has not certified the remaining catches when the catches has not certified the remaining catches on the "Landed catches Documents" after issued the Landed catches Documents Ref. CD Number: VNCD1601210001	Sed CONumber:	Ref. CD Numi Name of Fish Address : 1. Fullname 2. Vessel Reg 3. Fishing Lid 4. 18/01/ 5. Total Lance	of Vessel Or gistration No cense No: (2021 (18:00	190 days from issued da CD1601210001 Phan Thiet rac St., Duc Thang, Phan wwner/Captain: Sombo o.: 00000 456666 O) has landed the catch	Thiet, Binh Thu	MD Numb Ref. CD Nu an, VP 172	er: VNMD200121000 imber: VNCD16012		
Name of Fishing Port: Phan Thiet Address: 75 Trung Trac St., Duc Thang, Phan Thiet, Binh Thuan, VP 1728 CERTIFIED 1. Fullname of Vessel Owner/Captain: Somboon Vessel 2. Vessel Registration No.: 60000 3. Fishing License No: 456656 4. 18/01/2021 (18:00) has landed the catches at port 5. Total Landed Catches: 17,250	CERTIFIED Follows a process of the catches at port and and an analysis of the catches at port and an analysis of the catches and an analysis of the catches at port and an analysis of the catches and analysis of the catches and analysis of the catches and an analysis of the catches and analysis of the catches and analysis of the catches and an analysis of the catches and an analysis of the catches and analysis of the catches and analysis of the catches and an analysis of the catches and an analysis of the catches and analysis of	Name of Fish Address: 1. Fullname 2. Vessel Reg 3. Fishing Lic 4. 18/01/ 5. Total Lanceletail:	of Vessel Or gistration No cense No: /2021 (18:00	Phan Thiet rac St., Duc Thang, Phan wner/Captain: Sombo o.: 00000 456666 0) has landed the catch	CERTIFI		8		
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S. Total Landed Catches: 17,250 KG Detail: No. 3 ASCode Specie Landed quantity (kg) 150 2 FRI Frigate Tuna 11,500 3 POB Black prompet 4,200 4 BAC Great barracuda 400 5 TRF Fabe Trevally 150 6 HAS Hard tail scad 750 7 BIS Bigsys scad 100 6. Buyer Name (Middleman/Processor): Somboon Company 7. Selling Method (Buy all/Buy a part/Buy some species all/Buy some species a part): Buy some species all Owner/Captain: Fisheries Representative Office at Por Signature Date 18/01/2021 CERTIFIED THE REMAINING CATCHES (Use for fishing port authorities to certified the remaining catches when the catches has not certified all landed catches) Port Name: Phan Thiet MD Number: VNMD2001210001 Certified the remaining catches on the "Landed catches Documents" after issued the Landed catches Documents Ref. CD Number: VNCD1503210001	S. Total Landed Catches: 17,250	5. Total Land							
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CKS Biggoye trevally 3.50	1	No. 24							
2 FRI Frigate Tuna 11,500 3 POB Black prompet 4,200 4 BAC Great barracuda 400 5 TRF Fabs Trevally 150 6 HAS Hard tall scad 750 7 BIS Black prompet 1,000 6 Buyer Name (Middleman/Processor): Somboon Company 7. Selling Method (Buy all/Buy a part/Buy some species all/Buy some species all Buy some species a	2 FRI Frigate Tuna 11,500 3 POB Black prompet 4,200 4 BAC Great barracuda 400 5 TRF False Trevally 150 6 HAS Hard tall scad 750 7 BIS Black prompet 100 5 Buyer Name (Middleman/Processor): Somboon Company 7. Selling Method (Buy all/Buy a part/Buy some species all/Buy some species all 100 Owner/Captain: Fisheries Representative Office at Port: Signature Date 18/01/2021 CERTIFIED THE REMAINING CATCHES (Use for fishing port authorities to certified the remaining catches when the catches has not certified all landed catches) Port Name: Phan Thiet MD Number: VNMD2001210001 IB/01/2021 CERTIFIED THE REMAINING CATCHES (Use for fishing port authorities to certified all landed catches) MD Number: VNMD2001210001 MD Number: VNMD2001210001 Refer the remaining catches on the "Landed catches Documents" after issued the Landed catches Documents (KG) Remaining Catches No. 3ACode Specie Bought Catches Issued SC Catches (KG) 1 POB Black prompet 4,200 4200 2 HAS Hard tail scad 750 750						Landed		(g)
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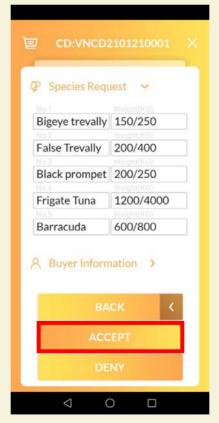
Figure 3-54: The Movement Document (MD) for the 2^{nd} Buyer

"PINPOINT": Two Purchased Orders in the Seller's Cart

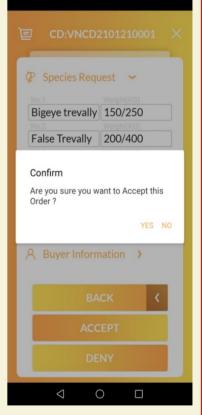
- ✓ Two buyers purchase fish from a fishing vessel at the same time, each purchased order from buyers will appear in the cart of the seller as shown in **Figure A-01** (by Namfon Company) and **Figure B-01** (by Somboon Company).
- ✓ To move from **ORDER 1** to **ORDER 2**, user has to click on "<" or ">" button for the left and right of the cart.
- ✓ Fishing master or seller has to check the purchased order and decide which order accepted.
- ✓ To check the details of each purchased order, click on each purchased order in the cart, for example click **ORDER 1** and **ORDER 2**, the new window will appear as **Figure A-02** and **Figure B-02**, respectively.
- ✓ If seller accepted the purchased order from **Namfon Company**, click "**Accepted**" then a new confirmation message will appear as **Figure A-03**. After completed response from seller, the buyer can see the status of order changed from "**Pending**" to "**Accepted**", as shown in **Figure A-04**.
- ✓ And if seller denied the purchased order from **Somboon Company**, click "**Denied**" and provide a reason to the buyer as shown in **Figure B-03**. The buyer can see the status of order changed from "**Pending**" to "**Denied**", as shown in **Figure B-04**.
- ✓ Under this condition, seller has to accept one and deny the rest, because two company buy the same species which over the existing one.



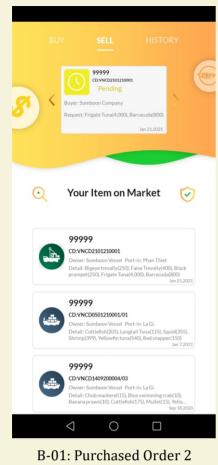
A-01: Purchased Order 1 from Namfon Company



A-02: Species Requests from Namfon Company

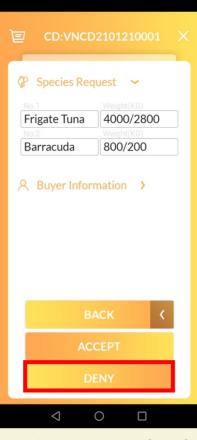


A-03: Seller Accepted the Order from Namfon Company





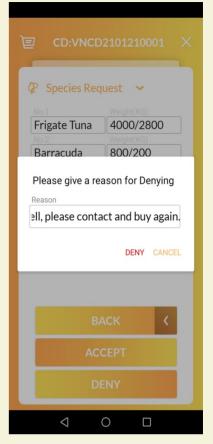
A-04: The ORDER was Accepted by Seller



B-02: Species Requests from the Purchased Order 2



B-04: The ORDER was Denied by Seller



B-03: Seller Denied the Purchased Order 2

Remarks:

After seller denied one purchased order no. 2 from Somboon Company, at the same time seller sending a requesting message to the company to revisit the market and reorder to the same fishing vessel.

In this case, Somboon Company will see the remaining fish from the fish request list for making a new order. At this time, the purchased order from Somboon Company will be considered again by the seller. The process for purchasing fish will be the same as the sub-scenario 1 (follows the **Chapter 3-1**).

CHAPTER 3-2: 1ST BUYER SELL FISH TO 2ND BUYER

This chapter is related to the 2nd scenario for the fish purchasing process that the 1st buyer purchased fish directly from the fishing vessel and then sell to the 2nd buyer, either all fish or some parts. The process for buying fish straight from the fishing vessel is the same as mentioned in **Chapter 3-1**. However, after the 1st buyer received MD from the port authority, they can sell all purchased fish or some part to the other buyers. The main applications are the eACDS-Market and the eACDS web application. The 2nd buyer also receives a MD from the process.

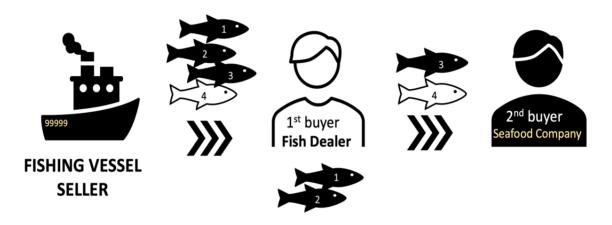


Figure 3-55: One of the Scenarios when 1st Buyer Sells Some Fish to the 2nd Buyer

STEP 2-1: MAKE A PURCHASED ORDER TO SELLER

ACTOR: 1ST BUYER

- 1. Following **Step 1-1 of Chapter 3-1**, the buyer has to open the eACDS-Market and sign in using the user account and password given by the port authority. After sign in, the "**BUY**" page will appear as shown in **Figures 3-56**.
- 2. The buyer has to select the item listed in the market. For instance, the buyer wants to
 - buy fish from the fishing vessel "99999", the buyer has to click the icon " then a seller information and "Catch Declaration" information will appear as shown in Figure 3-57 and Figure 3-58, respectively when the buyer selected.
- 3. Move to the next page; the "Species Request" will show a list of fish species and weight placed for the market. The buyer can select the species and weight as wanted. In this sample, the buyer selected all species and weight; then, the buyer has to click "SEND ORDER" (see Figure 3-59).
- 4. **Figure 3-60** shows the confirmation message in which the buyer has to confirm for sending the order by click "**YES**". Then, the purchasing order process is completed. The system will return to the "**BUY**" page, where the purchasing order will appear in the cart at the "**Pending**" status.

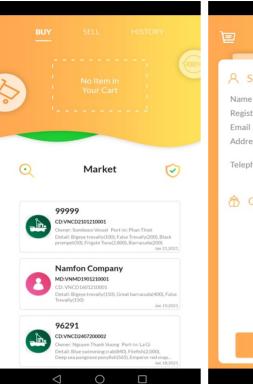


Figure 3-56: Buy Page After Sign in by Buyer

Species Request

eye trevally 100

Ilse Trevally 200

ck prompet 50

rigate Tuna 2800

Barracuda 200

8 Buyer Information >

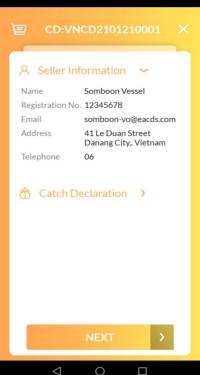


Figure 3-57: Seller Information

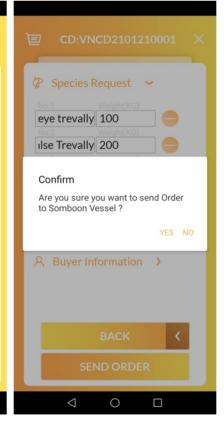


Figure 3-60: Confirmation Message after Send Order

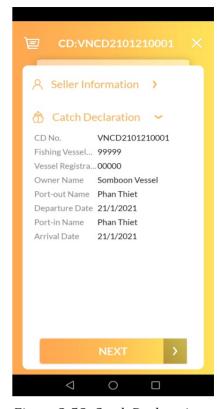
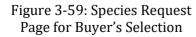


Figure 3-58: Catch Declaration Information



Figure 3-61: Buy Page with Pending Order in the Cart



STEP 2-2: FISHING MASTER RESPONDS TO THE BUYER

ACTOR: FISHING MASTER/SELLER

- 5. The fishing master or seller has to open the eACDS-Market using the port authority's email account and password. After sign in the application, the "BUY" page will appear as Figure 3-62. It is necessary to change to the "SELL" page by click "SELL", then the screen will change as shown in Figure 3-63.
- 6. To see the purchased order, the seller clicks on the pending order in the cart, a seller and CD information page will appear as shown in **Figure 3-64**.
- 7. Click "NEXT", the "Species Request" and "Buyer Information" section will appear as shown in Figure 3-65 and Figure 3-66, respectively.
- 8. If the seller wanted to sell fish to the buyer, click "ACCEPT", a confirmation message will appear in which the seller has to click "YES" to confirm the acceptance of the order (see Figure 3-67).
- 9. After that, the seller can logout of the system following the steps from **Figure 3-68**, **Figure 3-69**, and **Figure 3-70**. It is the end of the process for the seller.
- 10. The system will automatically send out the alert message to the buyer's mobile device on accepted order.
- 11. Also, the system will automatically update the status of "Issuing MD" page for port authority to further action (see Step 2-3).

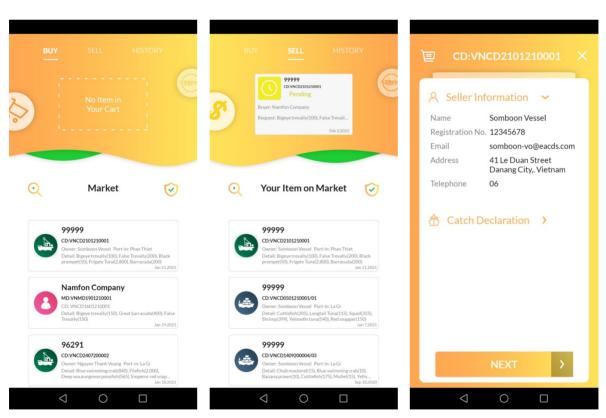


Figure 3-62: After Sign In the eACDS-Market by Fishing Master

Figure 3-63: At Sell Page, One Purchased Order in Pending Status

Figure 3-64: Seller and CD Information Page

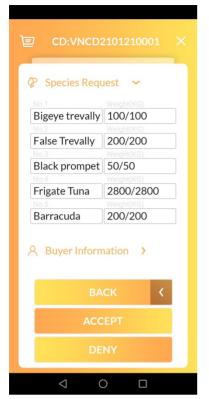


Figure 3-65: Buyer Selected all Species Request

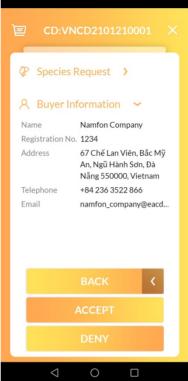


Figure 3-66: Buyer Information (Can Editing)

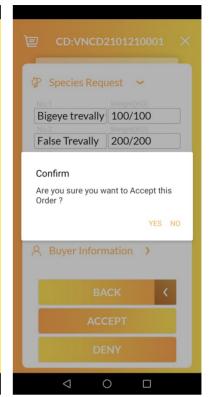


Figure 3-67: Confirm Accept by Seller



Figure 3-68: Logout Page

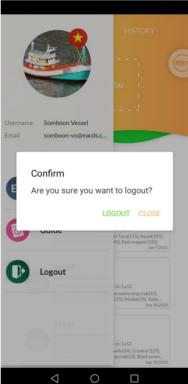


Figure 3-69: Confirm Logout

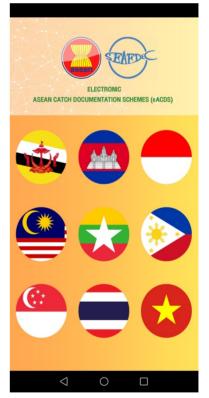


Figure 3-70: Return to the Main eACDS-Market Page

STEP 2-3: ISSUANCE OF MOVEMENT DOCUMENT (MD) BY THE PORT AUTHORITY

ACTOR: PORT AUTHORITY

- 12. Port officer access to the eACDS web application. For instance, in Viet Nam, the URL is https://eacds.seafdec.org/vietnam using the designated email account and password provided by the system administrative, the eACDS web application will be opened, then click on "Issuing MD" menu as shown in Figure 3-71.
- 13. The list of MD together with the statuses will appear. There are three (3) statuses, namely "Accepted", "Denied", and "Approved".
- 14. Select the "Accepted" status of the MD No. "VNMD0302210001", by click the "Information" icon " ", the detailed Movement Document information will appear as shown in Figure 3-72.
- 15. **Figure 3-72** shows the Movement Document information provided to the 1st buyer. This information is linked to CD for the fishing vessel.
- 16. The port officer has to "Approve" the MD for the buyer due to the seller's accepted order. After click "Approve", a new window asking for confirmation will appear. The port officer needs to click "Yes" to complete the issuance of MD (See Figure 3-73).
- 17. Next step, the system will return to the main page of "**Issuing MD**", where MD No. "VNMD0302210001" is changed to "**Approved**", as shown in **Figure 3-74**.
- 18. The port officer has to click the **"Printer"** Icon **""** to send the MD via email to the buyer, as shown in **Figure 3-75**.
- 19. The MD for the 1st buyer is shown in **Figure 3-76**.



Figure 3-71: Issuing MD Page

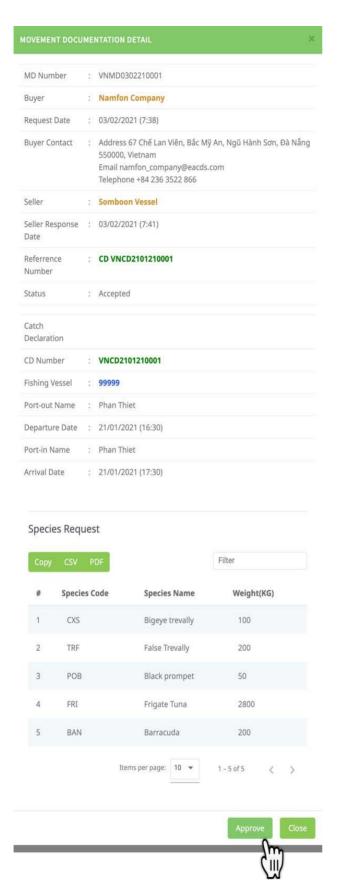


Figure 3-72: Movement Document Details Validated by Port Officer

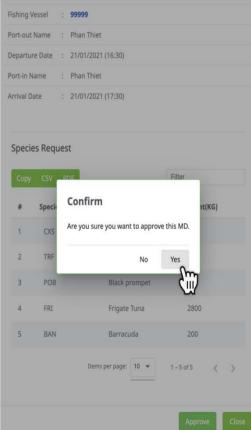


Figure 3-73: Confirm Approve the MD for the Buyer

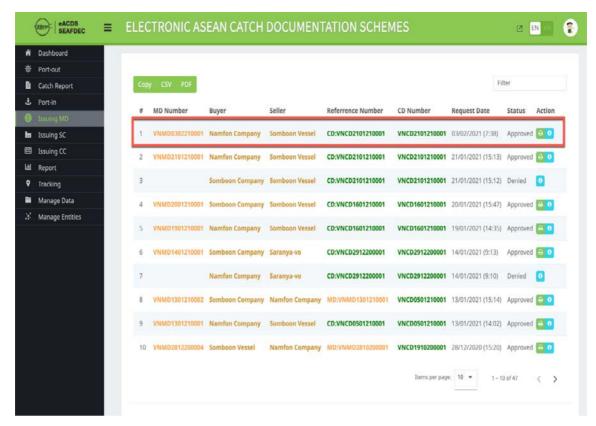


Figure 3-74: After Port Officer Approved the MD, the System will Return to Issuing MD Page

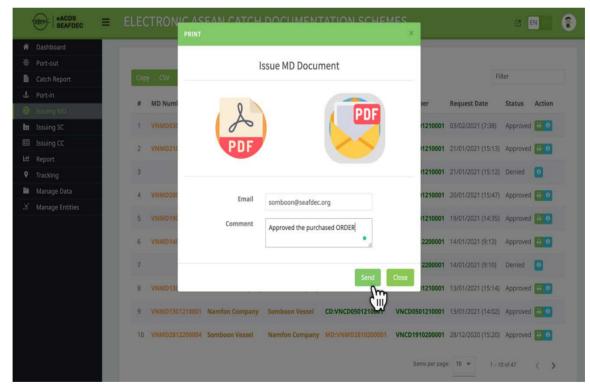


Figure 3-75: Send MD to the Buyer via email

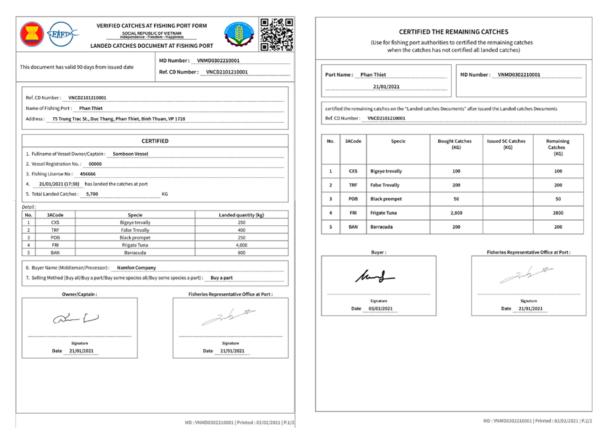


Figure 3-76: MD for the 1st Buyer

STEP 2-4: 1ST BUYER CHECK MD AND SELL FISH IN MARKET

ACTOR: 1ST BUYER AS SELLER

- 20. The 1st buyer will receive a message from the mobile device. The buyer also can check the approved MD by opening the eACDS-Market (see **Figure 3-77**) and selects the "**HISTORY**" page (**Figure 3-78**). Click on the most updated month and year to find the most recently MD come to the system on the mobile device, as shown in **Figure 3-79**, and the selected MD that the user wants to open (**Figure 3-80**).
- 21. The information of the seller (**Figure 3-81**) and Catch Declaration (**Figure 3-82**), and the Species Request (**Figure 3-83**) will appear. To open the MD form from **Figure 3-83**, the user has to click the "**PRINT**" button.
- 22. In this practice, the 1st buyer sells some fish to the market; For instance, the 1st buyer selected only two species for the marketplace, the other species were deleted from the list by click on the "Minus" icon "—", then the two species for the market will appear as **Figure 3-84**.
- 23. Next step, the 1st buyer has to click on "**SHOW ON MARKET**", a confirmation message will appear as shown in **Figure 3-85**. The 1st buyer has to click "**YES**" to confirm to show two species in the market. It is the end of the process for showing fish in the market for sale. The first buyer is now called a seller.



Figure 3-77: Login by the 1st Buyer



Figure 3-78: Select a History Page



Figure 3-79: History Page

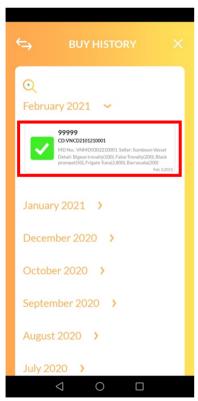


Figure 3-80: Select the Most Recently Come MD

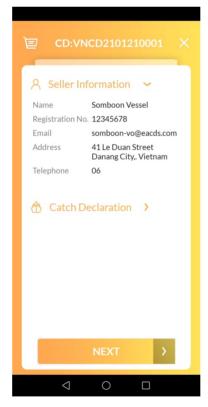


Figure 3-81: Seller Information Page

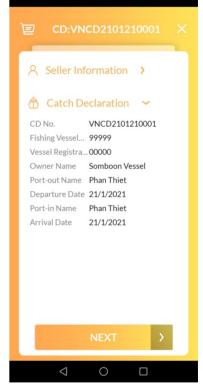


Figure 3-82: Catch Declaration Information Page

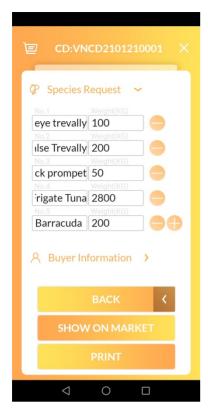


Figure 3-83: Selecting Fish Species from the MD for Market



Figure 3-84: Selected Fish for Show on Market



Figure 3-85: Confirm Message for Selling Fish in Market



Figure 3-86: The System Return to History Page

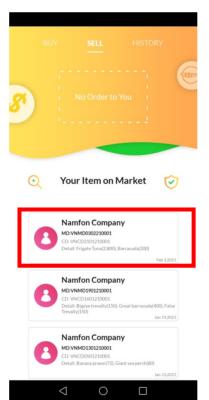


Figure 3-87: The MD Item Shows in the Market for Sell



Figure 3-88: In Case of Removing the MD Item from Market

24. If the seller wants to remove their fish from the market, the seller has to click on the most updated item in the market, as appears in **Figure 3-87**, then the **"Marine Live in Stock"** page will appear. From this step, seller can remove the species from the market by click "**REMOVE FROM MARKET**", as shown in **Figure 3-88**.

STEP 2-5: 2ND BUYER MAKES A PURCHASED ORDER TO SELLER

ACTOR: 2ND BUYER

- 25. Following **Step 1-1 of Chapter 3-1**, the 2nd buyer has to open the eACDS-Market and sign in using the user account and password given by the port authority (see **Figure 3-89**). After sign in, the "**BUY**" page will appear as shown in **Figures 3-90**.
- 26. The buyer has to select the item listed in the market. For instance, the buyer wants to buy fish from the **Namfon Company** (as seller or 1st buyer), the buyer has to click the
 - icon "Other Control Co
- 27. Click "**NEXT**", the "**Species Request**" page shows the list of fish species and weight for sale in the market. The 2nd buyer can select the species and weight as wanted (see **Figure 3-93**). However, in this practice, the 2nd buyer wanted all species and weight; after that, the buyer can check and edit their information by click on the "**Buyer Information**" page as shown in **Figure 3-94**).
- 28. After checking all species requests and buyer information, the buyer can move to the next steps by click "SEND ORDER" to send the order to the seller.

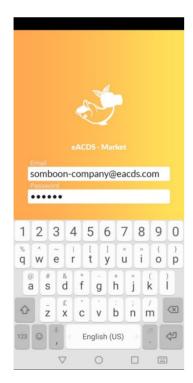


Figure 3-89: Login Page



Figure 3-90: List of MD Fish for Sell



Figure 3-91: Seller and CD Information Page



Figure 3-92: Seller and CD Information



Figure 3-93: Species Requests for Sell in Market via This MD

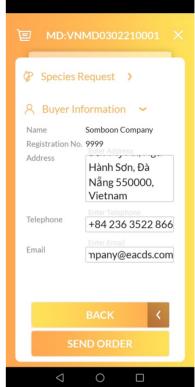


Figure 3-94: Check and Edit Buyer Information, Before Click Send Order



Figure 3-95: Confirm Message for Sending the Order

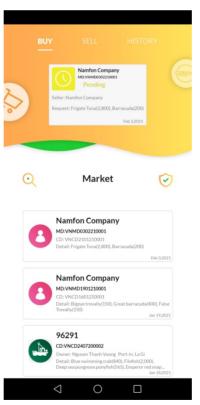


Figure 3-96: Pending Order in the Cart of the Buyer

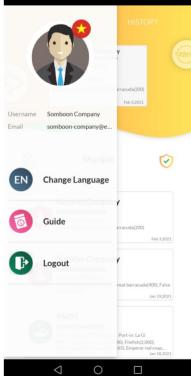


Figure 3-97: Logout by the 2nd Buyer

- 29. **Figure 3-95** shows the confirmation message in which the buyer has to confirm for sending the order by click "**YES**". Then, the purchasing order process is completed. The system will return to the "**BUY**" page, where the purchasing order appears in the cart at the "**Pending**" status (see **Figure 3-96**).
- 30. The 2nd buyer completed the purchase order, now waiting for the "Accept" response from the seller (the 1st buyer: Namfon Company).

STEP 2-6: SELLER RESPONSE ON THE PURCHASED ORDER

ACTOR: 1ST BUYER AS SELLER

- 31. The seller, Namfon Company, or the 1st buyer has to open the eACDS-Market using the email account and password. After sign in the application (see **Figure 3-97**), the "**BUY**" page will appear. It is necessary to select the "**SELL**" page by click "**SELL**", then the screen will change as shown in **Figure 3-98**.
- 32. To see the purchased order, the seller clicks on the pending order in the cart, a seller and Catch Declaration information page will appear as shown in **Figure 3-99**.
- 33. Click "NEXT", the "Species Request" and "Buyer Information" page will appear as shown in Figure 3-100 and Figure 3-101, respectively.
- 34. In this practice, the seller intended to sell fish to the 2nd buyer; then, the seller has to click "ACCEPT". After that, a confirmation message will appear in which the seller has to click "YES" to confirm the order's acceptance (see Figure 3-102).
- 35. It is the end of the process for the seller. The system will automatically send out the alert message to the 2^{nd} buyer on accepted order.

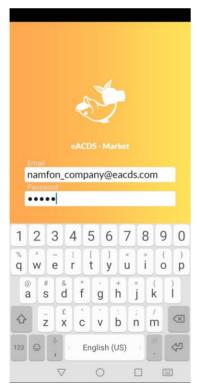


Figure 3-97: Login Page for the Seller

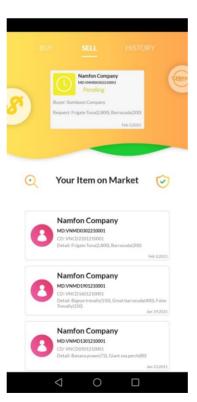


Figure 3-98: A Pending Order in the Cart of Seller



Figure 3-99: Seller and CD Information



Figure 3-100: Species Requests in the Purchased Order



Figure 3-101: Checking the Buyer Information Before Response to the Buyer

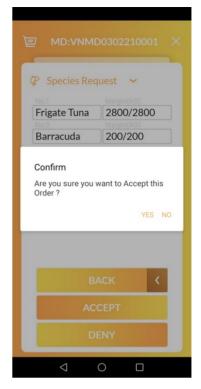


Figure 3-102: Confirm
Message to Accept the Order
from Buyer

STEP 2-7: ISSUANCE OF MOVEMENT DOCUMENT (MD) BY THE PORT AUTHORITY

ACTOR: PORT AUTHORITY

- 36. Port officer access to the eACDS web application. For instance, in Viet Nam, the URL is https://eacds.seafdec.org/vietnam using the designated email account and password provided by the system administrative, the eACDS web application will be opened, then click on "Issuing MD" menu as shown in Figure 3-103.
- 37. Select the "Accepted" status of the MD No. "VNMD0302210002", by click the "Information" icon ", the detailed Movement Document information will appear as shown in Figure 3-104.
- 38. The port officer has to "**Approve**" the MD for the 2nd buyer, in which the seller also accepted the order. After clicking "**Approve**", a new window asking for confirmation will appear. The port officer needs to click "**Yes**" to complete the issuance of MD. (See **Figure 3-105**)
- 39. Next step, the system will return to the main page of **"Issuing MD"**, where MD No. "VNMD0302210002" was changed to **"Approved"**, as shown in **Figure 3-106**.
- 40. The port officer has to click "**Printer**" icon " to send the MD via email to the buyer. The MD for the 2nd buyer appears in **Figure 3-107**.
- 41. The 2nd buyer can check the MD details in the eACDS-Market. It is the end of the processes for the **Chapter 3-2**.



Figure 3-103: The Status of MD No. "VNMD0302210002 is Accepted, Waiting for Approval by Port Authority

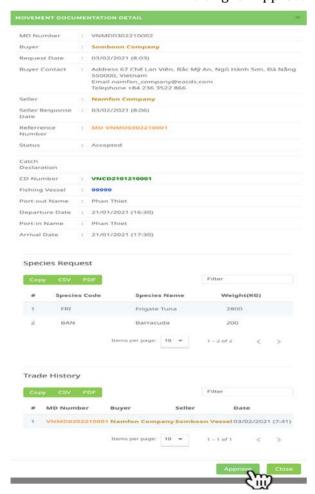


Figure 3-104: Movement Document Details for Approval by the Port Authority

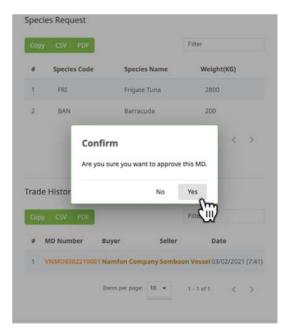


Figure 3-105: Confirm Message for MD Approval by the Port Authority



Figure 3-106: The Status of the MD No. "VNMD0302210002 was Changed to Approved

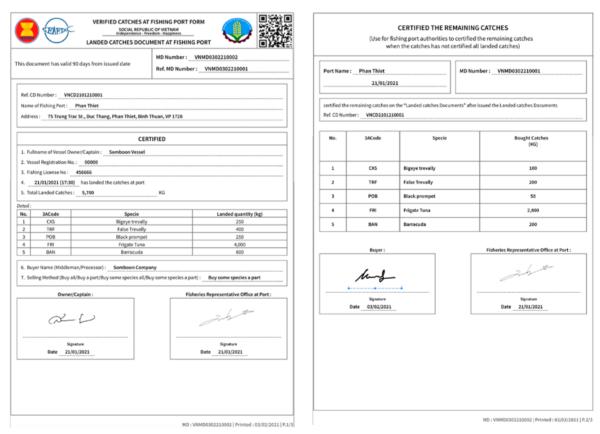


Figure 3-107: MD, Page 1/3

Figure 3-107: MD, Page 2/3

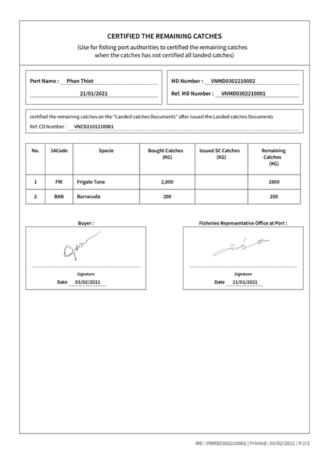


Figure 3-107: MD, Page 3/3

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