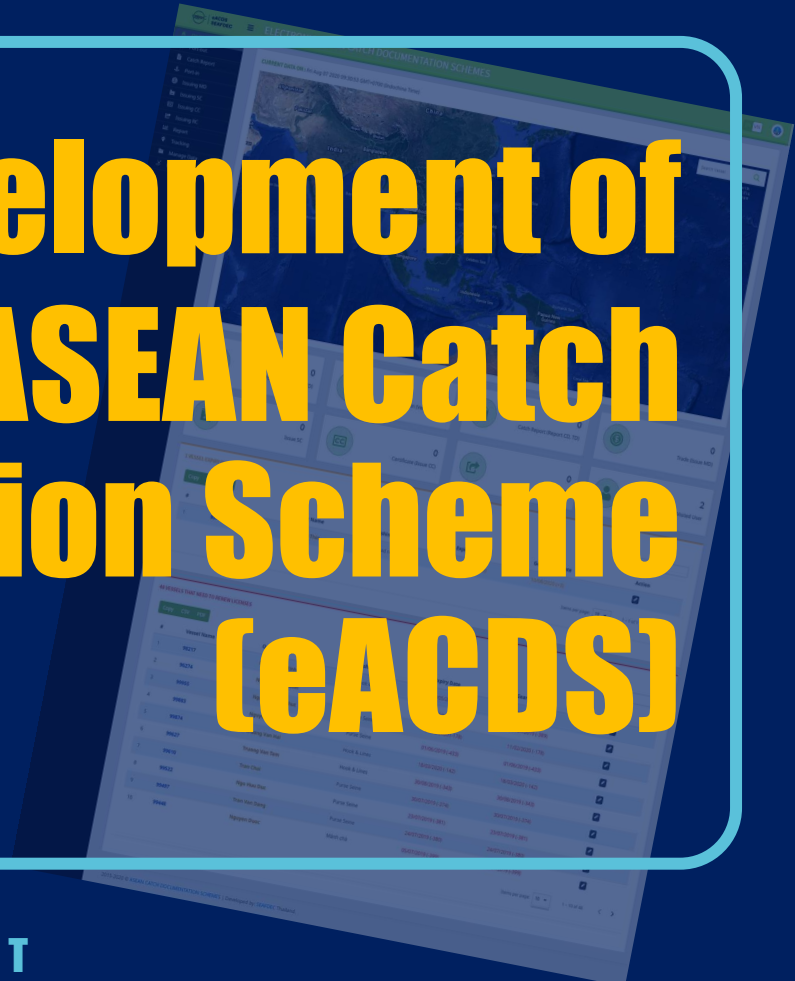




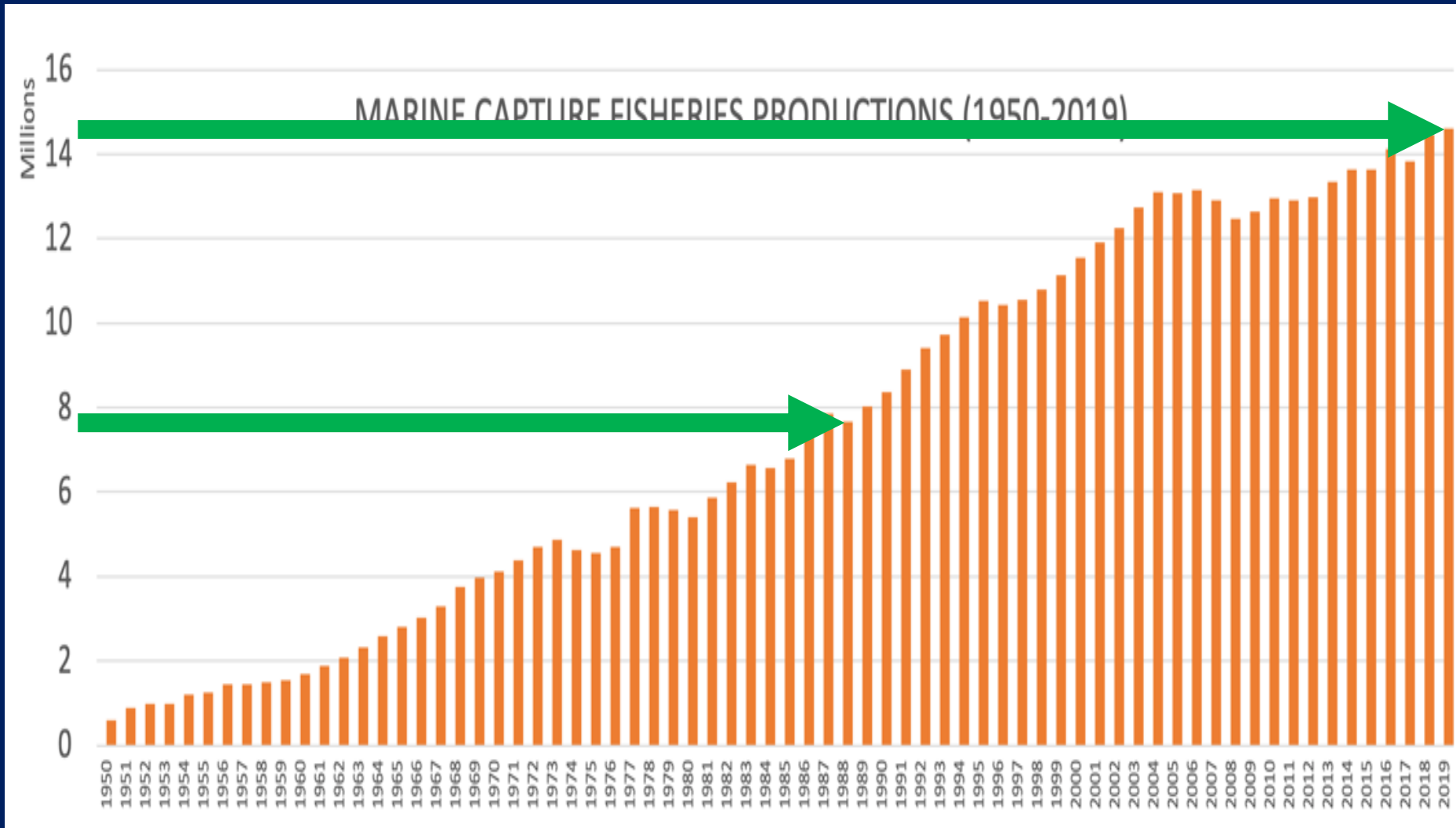
# Development of the Electronic ASEAN Catch Documentation Scheme (eACDS)



# CONTENTS

- The Situation of Marine Capture Fisheries in Southeast Asia
- Essential Roles of the Fisheries Sector in Southeast Asia
- Contribution of Seafood to the World Market
- Key Issues and Challenges Faced during the Past Decades
- International Fishtrade-related issues and challenges
- ASEAN-SEAFDEC Cooperation Towards Combating IUU Fishing
- ASEAN Catch Documentation Scheme (ACDS)
- Development of electronic ASEAN Catch Documentation Scheme (eACDS)
- Key Data Elements in the eACDS System
- Key Players and Stakeholders Engaged in the System
- How does the eACDS Work?
- eACDS Applications: Web-based Application and Mobile Application
- Features of the eACDS Application
- Promoting the eACDS Application in ASEAN Member States and Its Status

# FISHERIES PRODUCTIONS IN SOUTHEAST ASIA



As of 2019,  
Top 25 Countries  
for Marine  
Captures Fisheries  
are in Southeast  
Asia:

-  Indonesia, 8%
-  Viet Nam, 4%
-  Philippines, 2%
-  Thailand, 2%
-  Malaysia, 2%
-  Myanmar, 1%

**Total 19%**

Sources: FAO 2021, Excluded other aquatic animal species

# IMPORTANCE OF FISHERIES SECTORS

## ✓ Contribution to national economies

- ensuring food availability
- providing household food stability

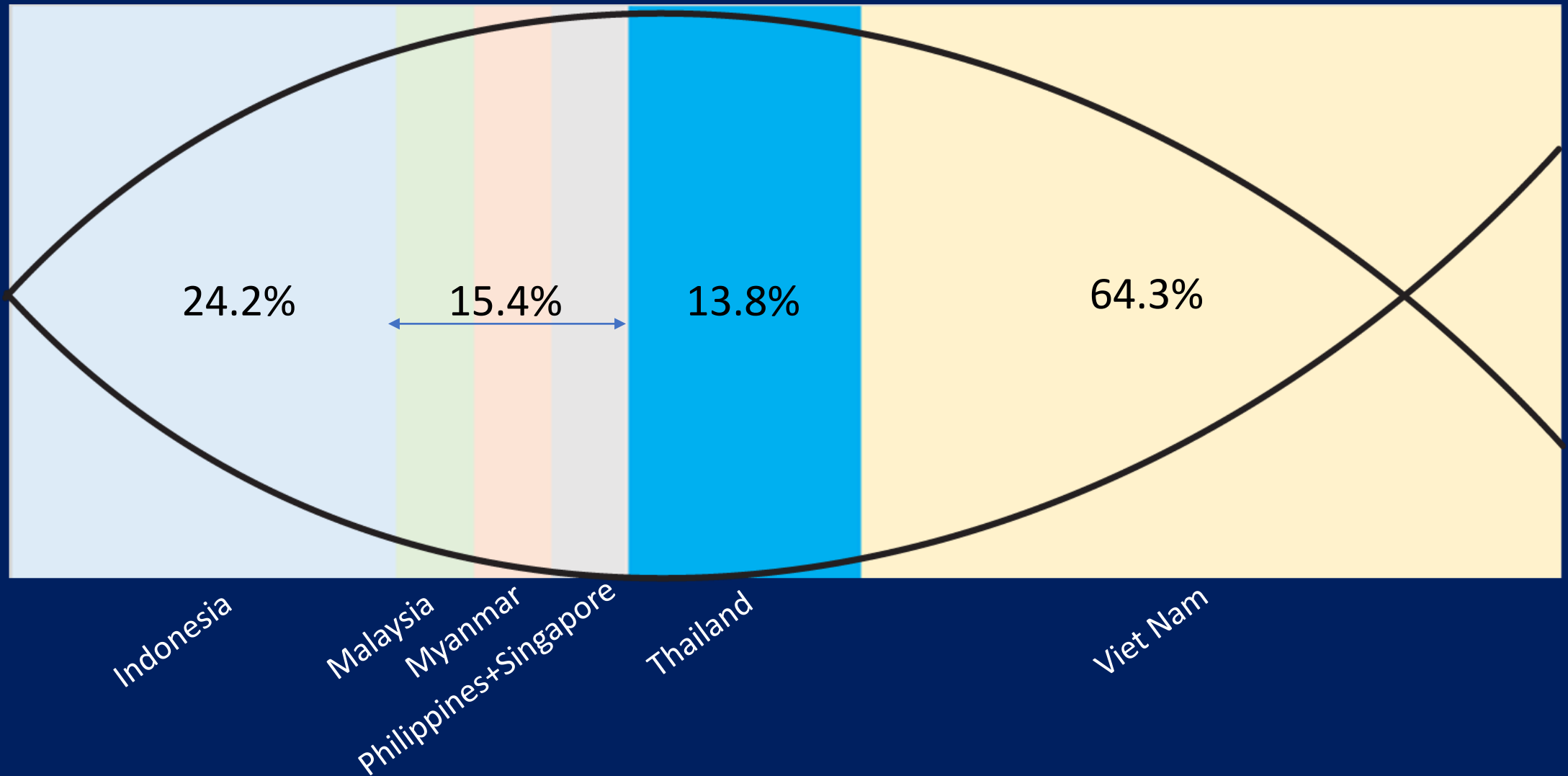
## ✓ Improvement of peoples' livelihoods

- 30 million fishers
- 150 million related to



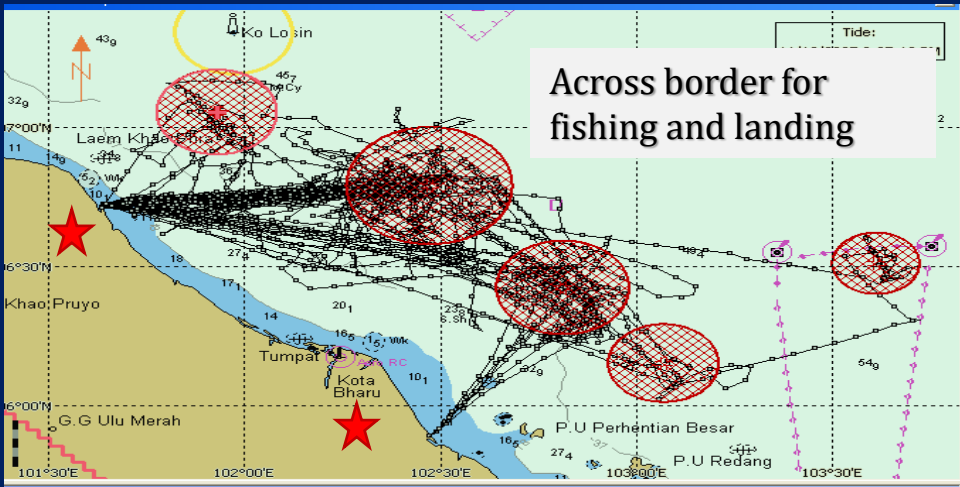
# ASEAN EXPORT OF FISHERY PRODUCTS

(In 2019, 13.4 Billion USD )





# KEY ISSUES/CHALLENGES HAVE BEEN FACED BY ASEAN MEMBER STATES DURING THE PAST DECADES



- ✓ **Open Access** -> Increasing of fishing efforts and fishing capacity; (1.295million fishing boats in 2012)
- ✓ **Poaching** -> in neighboring countries
- ✓ **Lack of Monitoring, Control and Surviellances (MCS)** -> no licenses, double flags, etc.





# OTHER CHALLENGES FROM INTERNATIONAL TRADE-RELATED ISSUES


## Regulation (EC) 1005/2008

COUNCIL REGULATION (EC) No 1005/2008  
of 29 September 2008

establishing a Community system to prevent, deter and eliminate illegal, unreported and unregulated fishing, amending Regulations (EEC) No 2847/93, (EC) No 1936/2001 and (EC) No 601/2004 and repealing Regulations (EC) No 1693/04 and (EC) No 1447/0999

**Chapter III,  
CATCH CERTIFICATION SCHEME FOR IMPORTATION AND EXPORTATION OF FISHERY PRODUCTS,  
Article 12: Catch Certificate**


4. The catch certificate shall contain all the information specified in the specimen shown in Annex II, and shall be validated by a public authority of the flag State with the necessary power to assure the accuracy of the information. In agreement with flag States, within the framework of the cooperation set out in Article 20(4), the catch certificate may be established, validated or submitted by electronic means or be replaced by electronic ~~signature~~ systems ensuring the same level of control by authorities.




### Implementing Presidential Task Force Recommendations on IUU Fishing and Seafood Fraud

John Henderschoot  
Director  
Office of International Affairs and Seafood Inspection

June 24, 2015





Food and Agriculture  
Organization of the  
United Nations

FAO  
FISHERIES AND  
AQUACULTURE  
TECHNICAL  
PAPER

596

## Design options for the development of tuna catch documentation schemes



# ASEAN-SEAFDEC COOPERATION TOWARDS ASEAN ECONOMIC COMMUNITY ON COMBATING IUU FISHING WAS DECLARED



## High-Level Consultation

on Regional Cooperation in Sustainable Fisheries Development  
Towards the ASEAN Economic Community  
"Combating IUU Fishing and Enhancing the Competitiveness  
of ASEAN Fish and Fishery Products"

3 August 2016, Bangkok, Thailand

OPENING CEREMONY



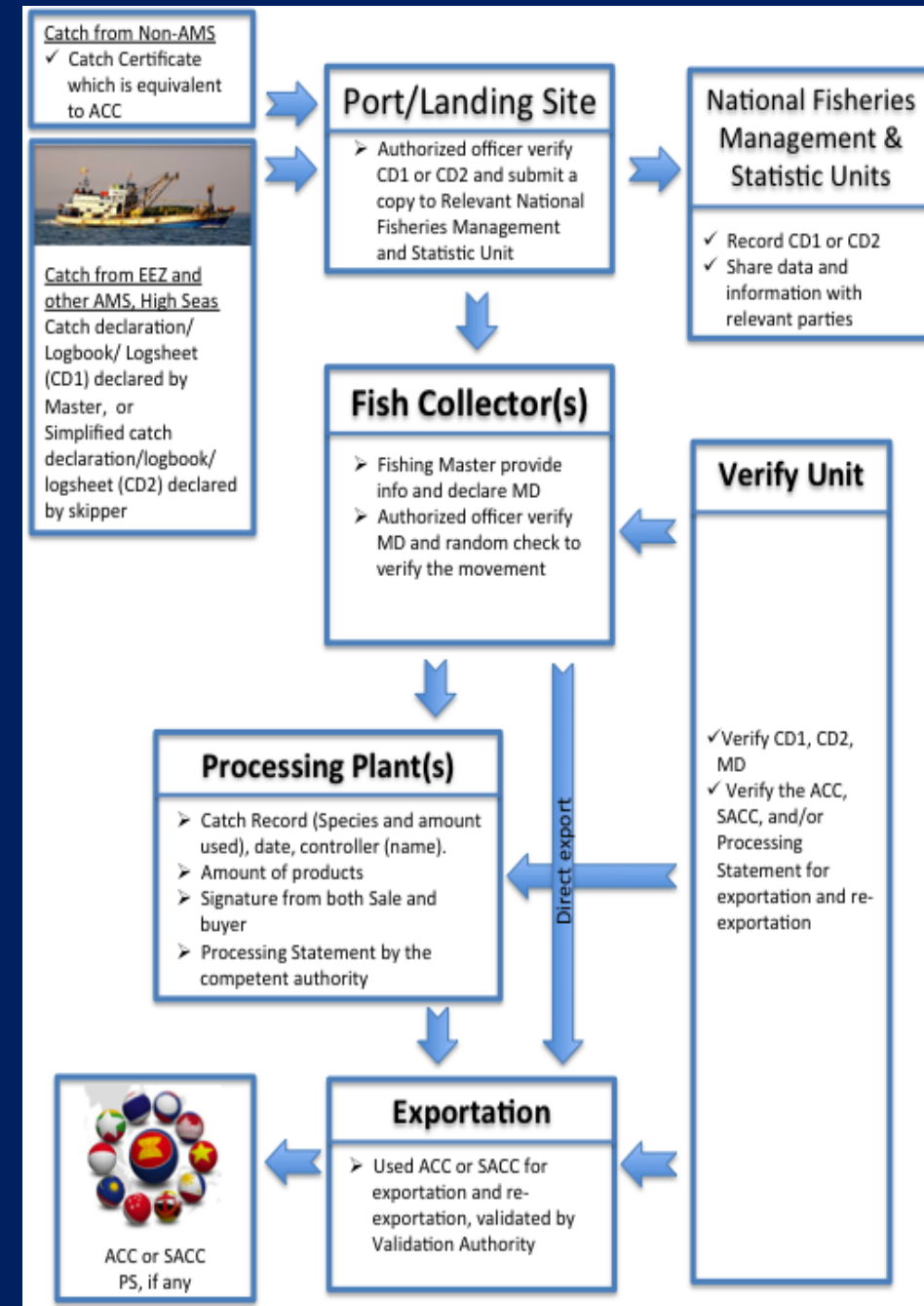
Enhancing traceability of fish and fishery products from capture fisheries through the implementation of the “ASEAN Guidelines for Preventing the Entry of Fish and Fishery Products from IUU Fishing Activities into the Supply Chain” and “ASEAN Catch Documentation Scheme (ACDS) for Marine Capture Fisheries”;



# ASEAN CATCH DOCUMENTATION SCHEMES (ACDS) FOR MARINE CAPTURE FISHERIES

## The objectives of ACDS are:

1. To provide a unified framework that will enhance traceability of fish and fishery products for effective marine fisheries management in AMS;
2. To enhance the credibility of fish and fishery products for intra-regional and international trade; and
3. To prevent entry of fish and fishery products from IUU fishing activities into the supply chain of AMS



# ASEAN CATCH DOCUMENTATION SCHEMES (ACDS) FOR MARINE CAPTURE FISHERIES

## Key Nature & Scope of ACDS Concept:

1. The ACDS shall be voluntary for all AMS
2. The ACDS is established to improve traceability for marine capture fisheries in AMS and enhance intra-regional and international trade of all AMS
3. The ACDS applies to trade of marine fish and fishery products, processed or not.
4. The ACDS will cover catch from small fishing vessels (which meet the criteria) that can contribute to trade among the AMS,

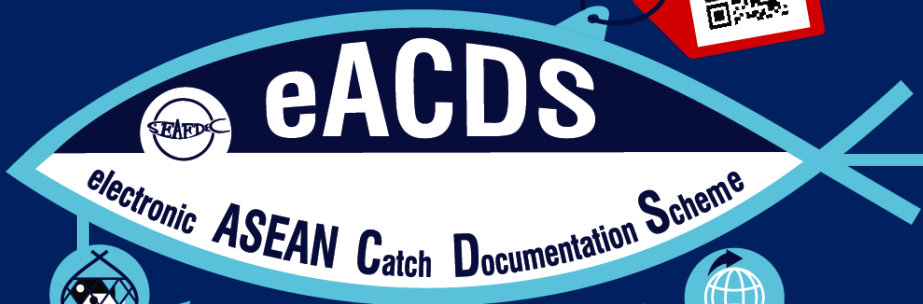


# IMPLEMENTATION OF THE ASEAN CATCH DOCUMENTATION SCHEMES (ACDS) FOR MARINE CAPTURE FISHERIES



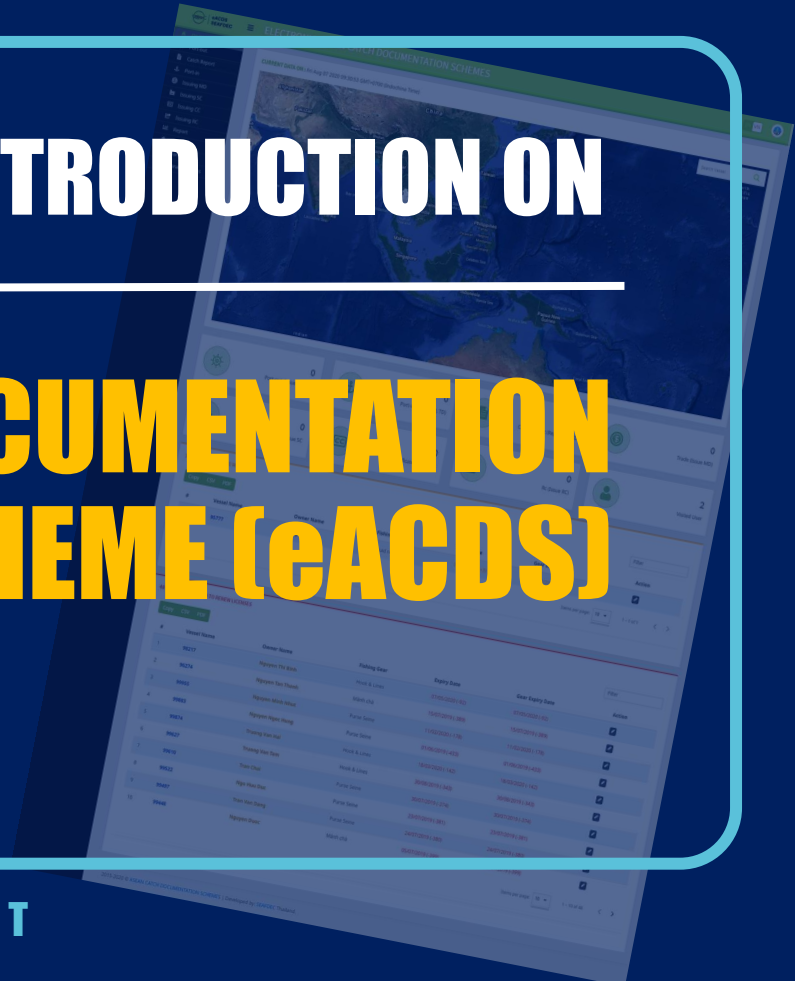
The eACDS is a software including web-application and mobile application to link and integrate all data/information in the supply chains into one unique system.





**INTRODUCTION ON**

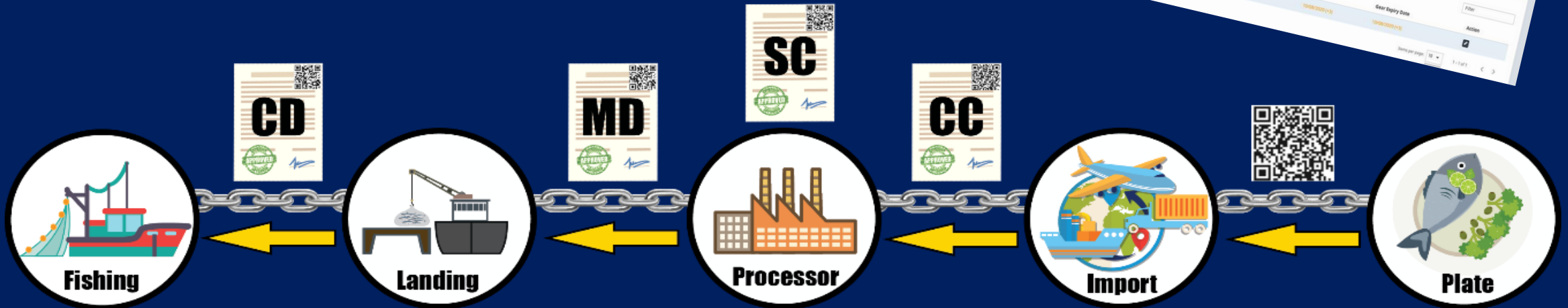
# **ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEME (eACDS)**



**SEAFDEC/ TRAINING DEPARTMENT**

# WHAT'S eACDS ?

- ❖ A Software for Enhancing A Traceability of Fish and Fishery Products from fishing to plate
- ❖ Implementing eACDS required Good Governance in Fisheries Management: Port control, catch reporting, recording movement of fish in the supply chain, export-import, etc.



# ADVANTAGE OF EACDS APPLICATIONS

- An effective fisheries management tools for sustainable fisheries and combating IUU fishing;
- Ensure all processes of traceability system are monitored and regulated
- Reduce burden of paper-works of catch documentations;
- Applications are users friendly for commercial fisheries and able to apply for small-scale fisheries.







# eACDS SYSTEM FLOW CHART



## PART CD

PROCESS

1



PORT-OUT PERMISSION  
& ISSUANCE OF  
INITIAL CD

PROCESS

2



CATCH REPORT  
AT SEA



PROCESS

3



PORT-IN PERMISSION  
CATCH VERIFICATION  
ISSUANCE OF CD



# CATCH DECLARATION (CD)

Is a certificate, given to fishing master, to assure that fishing master conducted fishing legally, reported, and regulated following the national management policy for combating IUU and enhancing the traceability of marine capture.

FISHERY  
PRODUCT

CATCH CERTIFICATION  
(CC)

PROCESS


CATCH CERTIFICATION  
(CC)

PROCESS





# MOVEMENT DOCUMENT (MD)



ISSUANCE OF  
MOVEMENT DOCUMENT (MD)



PURCHASING FISH FOR LOCAL MARKET  
AND/OR PROCESSING PLANT



MD certificate, given to the Fish Buyer who purchases fish at the landing port, ensures the buyer that fish are fishing legally, reported, and regulated following the national management measures.



# STATEMENT OF CATCH DOCUMENT (SC)

SC is a certificate to the fish processing plants or processors to ensure the fish/**raw materials** used in the processing process is monitoring and regulating until the end process of fishery products.



EXPORT FISHERY PRODUCT

ISSUANCE OF CATCH CERTIFICATION (CC)



PROCESS 9

REQUEST FOR CATCH CERTIFICATION (CC)



PROCESS 8



# CATCH CERTIFICATE DOCUMENT (CC)

is a certificate for fish processors who want to export their fishery products to the international market. The CC is to assure that a **fishery product** from the processing plants come from legally reported and regulated fishing and processing following the traceability system





# MAIN EACDS DOCUMENTS AND LINKS

## 1) Catch Declaration (CD)

- ✓ Port-out control, issue initial CD+PW
- ✓ Catch report at point of catch via mobile
- ✓ Port-in control, catch weight verification
- ✓ Issue the CD to fishing master

**CD** **MD**

## 2) Movement Document (MD)

- ✓ Fish Purchasing process at the landing
- ✓ Issue the MD either to local market or Processors

**SC**

## 3) Processing Statement Certificate(SC)

- ✓ Processor prepares the PS for validation by Competent Authority

**CC**

## 4) Catch Certification (CC)

- ✓ Processor request for the CC via web-based Application
- ✓ The Competent Authority issues the CC for exportation
- ✓ The importer makes clearance on the CC

# LESSONS LEARNED FOR eACDS



Catch Inspection at landing  
Sweden

eACDS integrated the lessons learned from:

- ❖ CCAMLR, CDS for Toothfish;
- ❖ SwAM/Sweden;
- ❖ FAO Guidelines on CDSs;
- ❖ MAFF/INDONESIA: based on EU system (2015);
- ❖ DOF/THAILAND: based on EU system (2015);
- ❖ FMO/THAILAND: MCPD;
- ❖ The USAID/Oceans (2018)

# eACDS APPLICATIONS



## eACDS on Web-based Application



### Vessel Owner/Fishing Master

Request Port-out and Port-in



### Processor

- Request Statement of Catch
- Request Catch Certificate Document



### Officer

- Approve Port-out / Port-in and Verify Weight
- Issuance Catch Declaration (CD)
- Issuance Movement Document (MD)
- Issuance Statement of Catch (SC)
- Issuance Catch Certificate Document (CC)
- View Reports and Manage KDEs

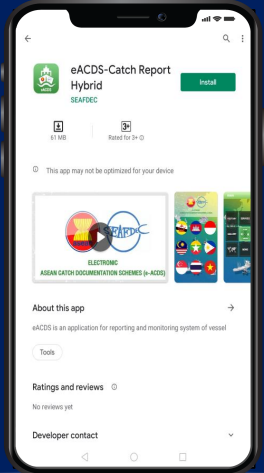


## eACDS on Mobile Application



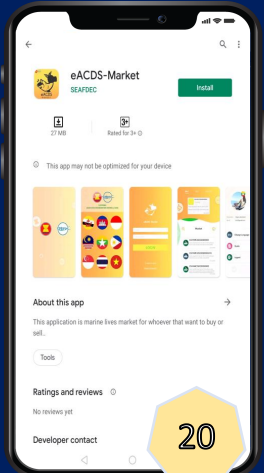
### eACDS-Catch Report App.

Fishing Master/  
Vessel Owner



### eACDS-Market App.

Seller and Buyer

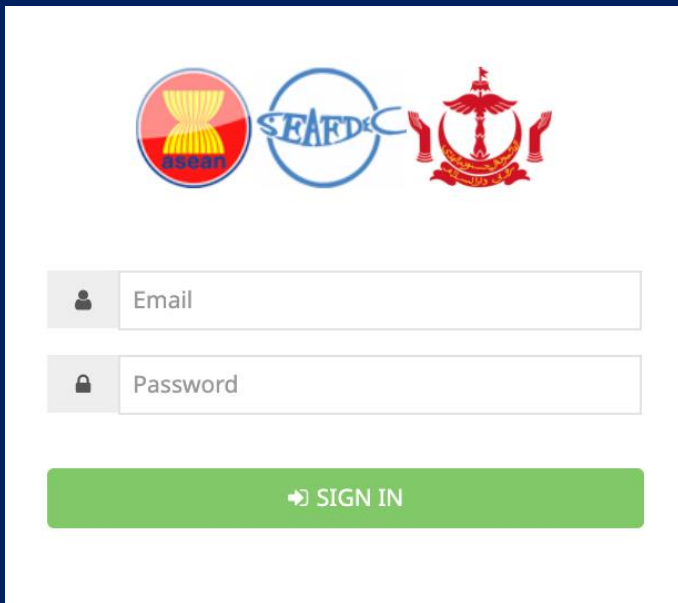




# REQUIREMENT on eACDS APPLICATIONS

- All Stakeholder must be registered with a central office to request to use the system.
- Using email address for login into the eACDS system

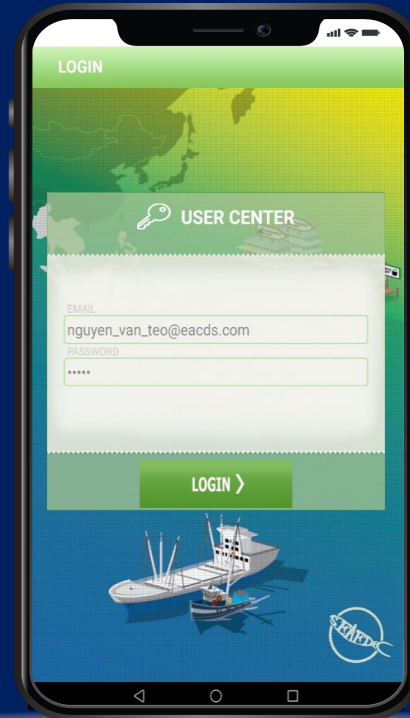
## eACDS on Web-based Application



The web-based login interface features three logos at the top: ASEAN, SEAFDEC, and a national emblem. Below the logos are two input fields: 'Email' and 'Password'. A green 'SIGN IN' button is positioned at the bottom.



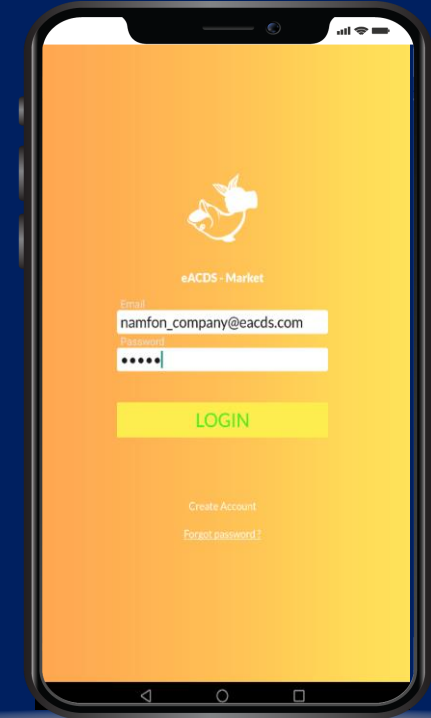
## eACDS Catch Report App.



The app login screen displays the 'eACDS' logo at the top. The main content area is titled 'LOGIN' and includes a 'USER CENTER' section with a magnifying glass icon. Below this are fields for 'EMAIL' (containing 'nguyen\_van\_teo@eacds.com') and 'PASSWORD' (with masked characters). A green 'LOGIN >' button is at the bottom. The background shows a map of Southeast Asia and a fishing boat.



## eACDS Market App.



The app login screen features the 'eACDS - Market' logo at the top. It includes fields for 'Email' (containing 'namfon\_company@eacds.com') and 'Password' (with masked characters). A yellow 'LOGIN' button is centered below the fields. At the bottom, there are links for 'Create Account' and 'Forgot password?'. The background is a solid yellow color.

# STRUCTURE OF THE eACDS WEB APPLICATION

The screenshot displays the eACDS web application interface. A sidebar menu on the left is highlighted with a red box and labeled '1'. The main content area features a map of Southeast Asia with a red circle '2' indicating vessel status/position. Below the map is a dashboard with six summary cards, each with an icon and a number, labeled '3'. The dashboard includes: Port-out (Issue CD, TD) with 1 icon, Port-in (Verify CD, TD) with 0 icon, Catch Report (Report CD, TD) with 0 icon, Trade (Issue MD) with 0 icon, Issue SC with 0 icon, Certificate (Issue CC) with 0 icon, RC (Issue RC) with 0 icon, and Visited User with 2 icon. Below the dashboard is a table titled 'VESSEL EXPIRY DATE WARNING' with columns for Vessel Name, Owner Name, Fishing Gear, Expiry Date, Gear Expiry Date, and Action. The table contains three rows of data. A red circle '4' highlights the Expiry Date column. Below this is another table titled '80 VESSELS THAT NEED TO RENEW LICENSES' with the same columns as the first table. A red circle '5' highlights the Expiry Date column in this table. The footer of the page reads: '2015-2022 © ASEAN CATCH DOCUMENTATION SCHEMES | Developed by: SEAFDEC Thailand.'

1 List of Menu

2 Status/Position of Vessels

3 Summary Number of Information

4 Warning/Alert for Expiry Date of Vessel License

5 Expiry Date of Vessel License



eACDS  
SEAFDEC



Dashboard



Port-out



Catch Report



Port-in



Issuing MD



Issuing SC



Issuing CC



Report



Tracking



Manage Data



Manage Entities



# Port-out Menu

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- Port-out**
- Catch Report
- Port-in
- Issuing MD
- Issuing SC
- Issuing CC
- Report
- Tracking
- Manage Data
- Manage Entities

| FISHING  |                | TRANSSHIPMENT   |               |               | OTHER ACTIVITY     |          |        |
|--|----------------|-----------------|---------------|---------------|--------------------|----------|--------|
| <a href="#">+ Add New</a>                                    |                |                 |               |               |                    |          |        |
| <a href="#">Copy</a> <a href="#">CSV</a> <a href="#">PDF</a> |                |                 |               |               |                    |          |        |
| <input type="text" value="Filter"/>                          |                |                 |               |               |                    |          |        |
| #  | CD Number ↑    | Vessel Name     | Port-out Name | Fishing zone  | Departure Date     | Status   | Action |
| 1  |                | Nguyen Minh Nha | La Gi         | Tonkin Gulf   | 03/07/2022 (23:00) | Pending  |        |
| 2  |                | Nguyen Minh Nha | Phan Thiet    | Offshore Area | 28/06/2022 (5:15)  | Pending  |        |
| 3  | VNCD2311220001 | SEAFDEC         | La Gi         | Tonkin Gulf   | 23/11/2022 (8:40)  | Approved |        |
| 4  | VNCD2510220001 | SEAFDEC         | La Gi         | Tonkin Gulf   | 25/10/2022 (10:32) | Approved |        |
| 5  | VNCD3008220001 | SEAFDEC         | La Gi         | Tonkin Gulf   | 30/08/2022 (14:14) | Approved |        |
| 6  | VNCD0211210001 | 95699           | Phan Thiet    | Central Area  | 02/11/2021 (16:00) | Approved |        |
| 7  | VNCD0810210001 | Krit            | La Gi         | Tonkin Gulf   | 08/10/2021 (10:10) | Approved |        |
| 8  | VNCD0410210001 | Fishing 1       | La Gi         | Central Area  | 04/10/2021 (15:46) | Approved |        |
| 9  | VNCD1506210002 | Tanapat         | La Gi         | Tonkin Gulf   | 15/06/2021 (6:00)  | Approved |        |
| 10   | VNCD1506210001 | Tanapat         | La Gi         | Tonkin Gulf   | 15/06/2021 (3:00)  | Approved |        |

# Catch Report Menu



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- Issuing SC
- Issuing CC
- Report
- Tracking
- Manage Data
- Manage Entities

FISHING

TRANSSHIPMENT

Copy CSV PDF

Filter

| #  | CD Number      | Vessel Name | Fishing zone | Fishing Gear | Departure Date     | Status      | Action |
|----|----------------|-------------|--------------|--------------|--------------------|-------------|--------|
| 1  | VNCD2311220001 | SEAFDEC     | Tonkin Gulf  | Purse Seine  | 23/11/2022 (8:40)  | In Progress |        |
| 2  | VNCD2510220001 | SEAFDEC     | Tonkin Gulf  | Purse Seine  | 25/10/2022 (10:32) | Complete    |        |
| 3  | VNCD3008220001 | SEAFDEC     | Tonkin Gulf  | Purse Seine  | 30/08/2022 (14:14) | Complete    |        |
| 4  | VNCD0211210001 | 95699       | Central Area | Squid net    | 02/11/2021 (16:00) | In Progress |        |
| 5  | VNCD0810210001 | Krit        | Tonkin Gulf  | Trawl        | 08/10/2021 (10:10) | Complete    |        |
| 6  | VNCD0410210001 | Fishing 1   | Central Area | Long Line    | 04/10/2021 (15:46) | Complete    |        |
| 7  | VNCD1506210002 | Tanapat     | Tonkin Gulf  | Trawl        | 15/06/2021 (6:00)  | In Progress |        |
| 8  | VNCD1506210001 | Tanapat     | Tonkin Gulf  | Trawl        | 15/06/2021 (3:00)  | Complete    |        |
| 9  | VNCD1406210001 | Tanapat     | Central Area | Trawl        | 14/06/2021 (9:25)  | Complete    |        |
| 10 | VNCD0904210001 | Fishing 1   | Tonkin Gulf  | Long Line    | 09/04/2021 (11:20) | Complete    |        |

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# Port-in Menu



## ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES



EN VN



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- Issuing CC
- Report
- Tracking
- Manage Data
- Manage Entities

| FISHING  |                | TRANSSHIPMENT      |              |                    | OTHER ACTIVITY |   |
|--|----------------|--------------------|--------------|--------------------|----------------|---|
| <a href="#">+ Add New</a>                                    |                |                    |              |                    |                |   |
| <a href="#">Copy</a> <a href="#">CSV</a> <a href="#">PDF</a> |                |                    |              |                    |                |   |
| <input type="text" value="Filter"/>                          |                |                    |              |                    |                |   |
| #  | CD Number      | Vessel Name        | Port-in Name | Arrival Date       | Status         | Action  |
| 1  | VNCD0704210012 | Nguyen Thanh Trung | La Gi        | 08/08/2022 (12:10) | Pending        | <a href="#">i</a> <a href="#">x</a>                   |
| 2  | VNCD2510220001 | SEAFDEC            | La Gi        | 25/10/2022 (12:55) | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 3  | VNCD3008220001 | SEAFDEC            | La Gi        | 31/08/2022 (7:00)  | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 4  | VNCD0810210001 | Krit               | La Gi        | 09/10/2021 (20:36) | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 5  | VNCD0410210001 | Fishing 1          | La Gi        | 04/10/2021 (23:00) | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 6  | VNCD1506210001 | Tanapat            | La Gi        | 17/06/2021 (4:00)  | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 7  | VNCD1406210001 | Tanapat            | Phan Thiet   | 16/06/2021 (7:16)  | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 8  | VNCD0904210001 | Fishing 1          | La Gi        | 09/04/2021 (12:33) | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 9  | VNCD1403210003 | 99999              | La Gi        | 06/04/2021 (10:25) | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |
| 10   | VNCD0804210001 | Tran Van Hoan      | Phu Hai      | 09/04/2021 (2:35)  | Complete       | <a href="#">i</a> <a href="#">t</a> <a href="#">x</a> |

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# Issuing MD Menu



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Filter

| #  | MD Number      | Buyer              | Seller              | Reference Number  | CD Number      | Request Date       | Status   | Action |
|----|----------------|--------------------|---------------------|-------------------|----------------|--------------------|----------|--------|
| 1  | VNMD2510220001 | Namfon Company     | Seafdec VesselOwner | CD:VNCD2510220001 | VNCD2510220001 | 25/10/2022 (11:05) | Approved |        |
| 2  | VNMD3008220001 | Namfon Company     | Tanapat VesselOwner | CD:VNCD1506210001 | VNCD1506210001 | 30/08/2022 (15:46) | Approved |        |
| 3  |                | Ly Bao Thanh Buyer | Ly Bao Thanh        | CD:VNCD0704210011 | VNCD0704210011 | 30/06/2022 (19:07) | Pending  |        |
| 4  |                | Ly Bao Thanh Buyer | Krit VesselOwner    | CD:VNCD0810210001 | VNCD0810210001 | 30/06/2022 (19:05) | Pending  |        |
| 5  | VNMD0810210001 | Aek Company        | Krit VesselOwner    | CD:VNCD0704210004 | VNCD0704210004 | 08/10/2021 (10:06) | Approved |        |
| 6  | VNMD0510210004 | Namfon Company     | Saranya Company     | MD:VNMD0510210003 | VNCD0204210004 | 05/10/2021 (15:48) | Approved |        |
| 7  | VNMD0510210003 | Saranya Company    | Krit VesselOwner    | CD:VNCD0204210004 | VNCD0204210004 | 05/10/2021 (15:25) | Approved |        |
| 8  | VNMD0510210002 | Saranya Company    | Seafdec VesselOwner | CD:VNCD0410210001 | VNCD0410210001 | 05/10/2021 (15:23) | Approved |        |
| 9  | VNMD0510210001 | Saranya Company    | Tanapat VesselOwner | CD:VNCD1506210001 | VNCD1506210001 | 05/10/2021 (15:21) | Approved |        |
| 10 | VNMD1406210001 | Saranya Company    | Tanapat VesselOwner | CD:VNCD1406210001 | VNCD1406210001 | 14/06/2021 (10:18) | Approved |        |

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# Issuing SC Menu



## ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES



EN VN



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Copy CSV PDF

Filter

| #  | SC Number            | Requesting User          | Company Name    | Port Name   | Requesting Date    | Status   | Action |
|----|----------------------|--------------------------|-----------------|-------------|--------------------|----------|--------|
| 1  |                      | Saranya Company          | Saranya Company | La Gi       | 05/10/2021 (15:59) | Pending  |        |
| 2  | 00001/2022/SC-Bth-LG | Namfon Company           | Namfon Company  | La Gi       | 25/10/2022 (11:12) | Approved |        |
| 3  | 00028/2021/SC-Bth-PT | Saranya Company          | Saranya Company | Phan Thiet  | 05/10/2021 (15:58) | Approved |        |
| 4  | 00027/2021/SC-Bth-LG | Saranya Company          | Saranya Company | La Gi       | 05/10/2021 (15:58) | Approved |        |
| 5  | 00026/2021/SC-Bth-PT | Saranya Company          | Saranya Company | Phan Thiet  | 05/10/2021 (15:55) | Approved |        |
| 6  | 00025/2021/SC-Bth-PT | Saranya Company          | Saranya Company | Phan Thiet  | 14/06/2021 (10:20) | Approved |        |
| 7  | 00024/2021/SC-Bth-PT | Nguyen Van Duyet Company |                 | Phan Thiet  | 08/04/2021 (14:54) | Approved |        |
| 8  | 00021/2021/SC-Bth-PH | Nguyen Van Duyet Company |                 | Phu Hai     | 08/04/2021 (14:48) | Approved |        |
| 9  |                      | Nguyen Van Duyet Company |                 | La Gi       | 08/04/2021 (14:48) | Denied   |        |
| 10 | 00022/2021/SC-Bth-PR | Nguyen Van Duyet Company |                 | Phan Ri Cua | 08/04/2021 (14:47) | Approved |        |

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# Issuing CC Menu

- Dashboard
- Port-out
- Catch Report
- Port-in
- Issuing MD
- Issuing SC
- Issuing CC**
- Report
- Tracking
- Manage Data
- Manage Entities

Copy CSV PDF

Filter

| #  | CC Number         | Destination Country  | Freight Type   | Requesting User          | Departure Date | Status   | Action |
|----|-------------------|----------------------|----------------|--------------------------|----------------|----------|--------|
| 1  |                   | United Arab Emirates | Ground Freight | Phuoc Company            | 29/06/2022     | Pending  |        |
| 2  | 00001/2022/CC-Bth | Thailand             | Sea Freight    | Namfon Company           | 25/10/2022     | Approved |        |
| 3  | 00024/2021/CC-Bth | Poland               | Sea Freight    | Saranya Company          | 05/10/2021     | Approved |        |
| 4  | 00023/2021/CC-Bth | Canada               | Air Freight    | Saranya Company          | 05/10/2021     | Approved |        |
| 5  | 00022/2021/CC-Bth | Vietnam              | Sea Freight    | Saranya Company          | 14/06/2021     | Approved |        |
| 6  | 00020/2021/CC-Bth | Bulgaria             | Air Freight    | Nguyen Van Duyet Company | 08/04/2021     | Approved |        |
| 7  | 00021/2021/CC-Bth | Laos                 | Ground Freight | Nguyen Van Duyet Company | 08/04/2021     | Approved |        |
| 8  |                   | Afghanistan          | Sea Freight    | Nguyen Van Duyet Company | 08/04/2021     | Denied   |        |
| 9  | 00018/2021/CC-Bth | Cyprus               | Air Freight    | Nguyen Van Duyet Company | 08/04/2021     | Approved |        |
| 10 | 00016/2021/CC-Bth | Afghanistan          | Air Freight    | Aek Company              | 30/04/2021     | Approved |        |

Items per page: 10

1 - 10 of 29



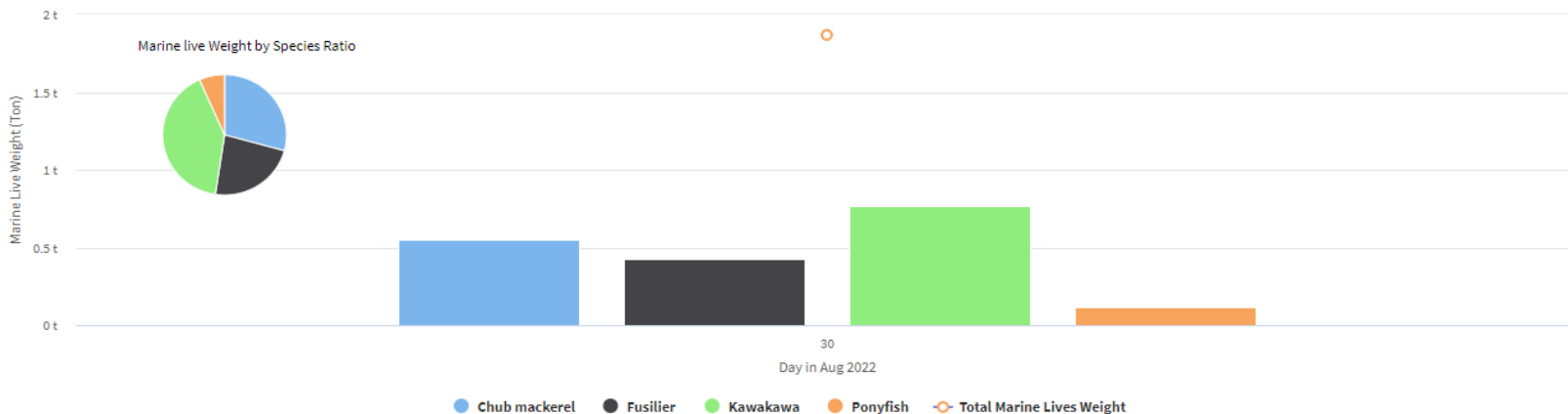
# Report Menu



- Dashboard
- Port-out
- Catch Report
- Port-in
- Issuing MD
- Issuing SC
- Issuing CC
- Report**
- Port-in Port-out
- Marine Live
- Certificate
- Tracking
- Manage Data
- Manage Entities

**FILTER**    Period :  All  Specific    01/01/2022 - 01/09/2022    Marine lives : All     Fishing zone : All     Port : All     Vessel : All

### MARINE LIVE SPECIES CHART



### REPORT DETAIL

The result is based on criteria

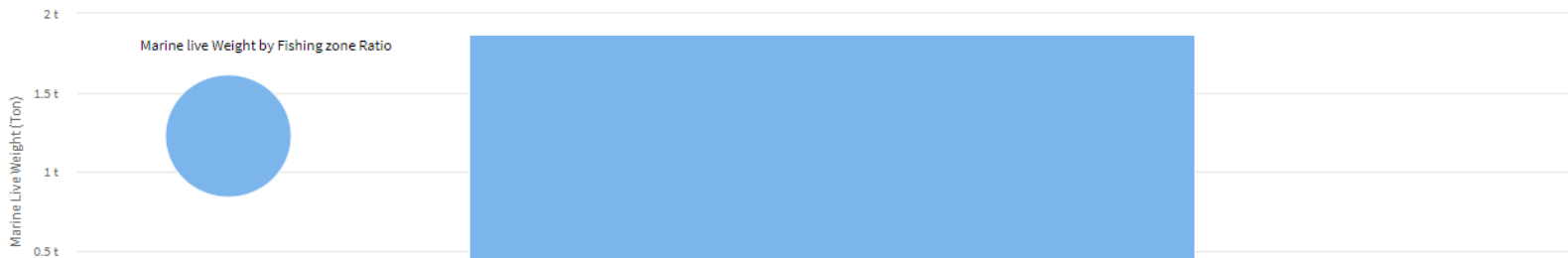
- Period 01/01/2022 - 01/09/2022
- Marine live Species All
- Fishing zone All
- Port All
- Vessel All

### Summary

- Total Marine Lives Weight 1.87 Ton
- Reference Fishing Zone Central Area
- Reference Port La Gi
- Reference Vessel SEAFDEC
- Reference Marine live Species Chub mackerel, Fusilier, Kawakawa, Ponyfish

Export As Excel

### FISHING ZONE CHART





# Tracking Menu

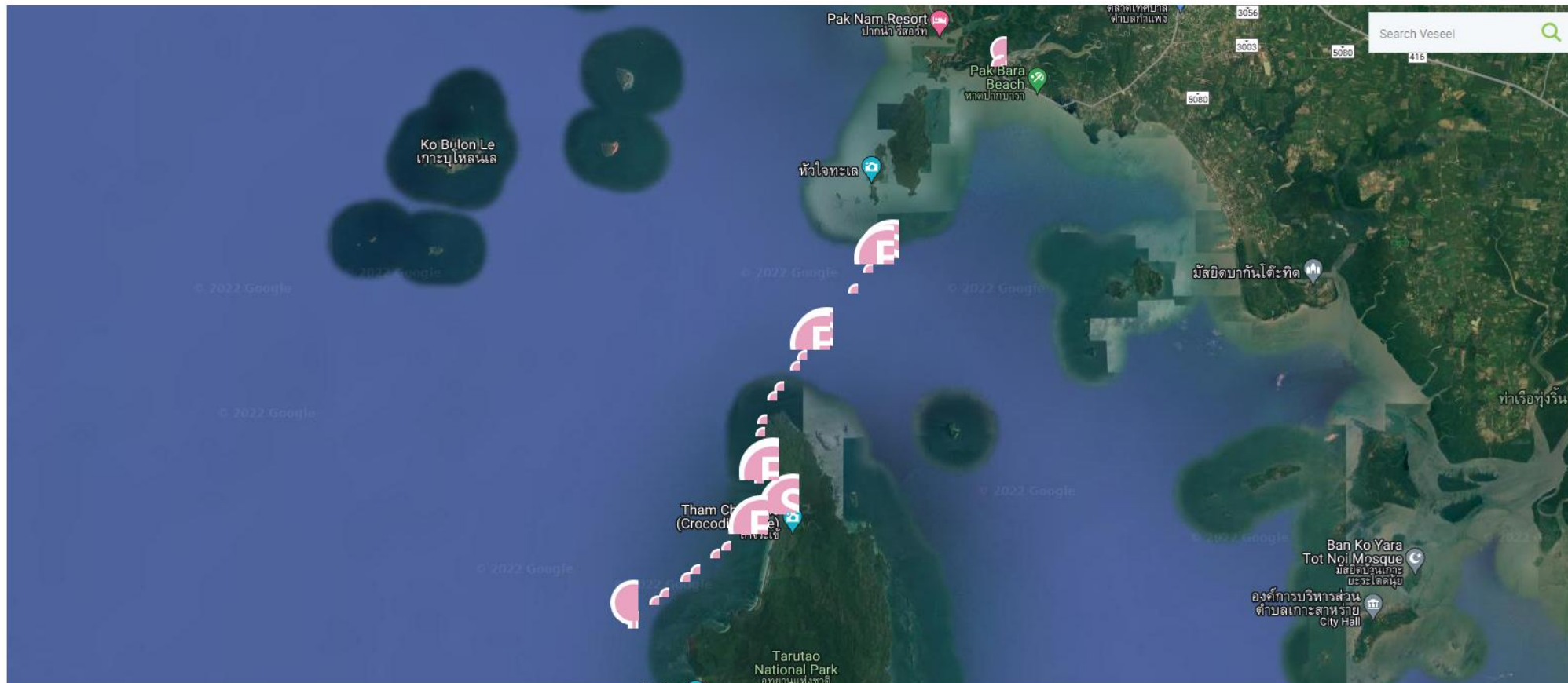


EN VN



- Dashboard
- Port-out
- Catch Report
- Port-in
- Issuing MD
- Issuing SC
- Issuing CC
- Report
- Port-in Port-out
- Marine Live
- Certificate
- Tracking**
- Manage Data
- Manage Entities

**FILTER** Period:  All  Specific Choose Date  - Choose Date  Vessel: All



► Vessel Paths

# Manage Data Menu

Dashboard

Port-out

Catch Report

Port-in

Issuing MD

Issuing SC

Issuing CC

Report

Tracking

Manage Data

Port

Fishing zone

Fishing Gear

Marine Live

Marine Live Order

Marine Live Family

Dictionary

Manage Entities

+ Add Port

Copy CSV PDF

Filter

| # | Port Name   | International Name | Port Description | Action |
|---|-------------|--------------------|------------------|--------|
| 1 | Phu Hai     | Phu Hai            |                  |        |
| 2 | Phan Thiet  | Phan Thiet         |                  |        |
| 3 | Phan Ri Cua | Phan Ri Cua        | Phan Ri Cua      |        |
| 4 | La Gi       | La Gi              |                  |        |

Items per page: 10

1 - 4 of 4



# Manage Entities Menu

- Dashboard
- Port-out
- Catch Report
- Port-in
- Issuing MD
- Issuing SC
- Issuing CC
- Report
- Tracking
- Manage Data
- Manage Entities**
- User
- Vessel
- Company

+ Add User

Copy CSV PDF

Filter

| #  | Name                     | Email                               | Company Name         | Role         | Role group             | Action |
|----|--------------------------|-------------------------------------|----------------------|--------------|------------------------|--------|
| 1  | Thiện                    | Thien@yahoo.com                     | Công ty TNHH Hải Nam | User         | Đề nghị cấp MD, SC, CC |        |
| 2  | Nick                     | nick@eacds.com                      | Nick Company         | User         | Request MD, SC and CC  |        |
| 3  | NGUYỄN KIM KHƯƠNG        | khungpq@yahoo.com                   |                      | Vessel Owner | Chủ tàu                |        |
| 4  | JIM                      | jim@eacds.com                       |                      | Vessel Owner |                        |        |
| 5  | Michel                   | mic@eacds.com                       |                      | Officer      |                        |        |
| 6  | Võ ĐăngTrinh             | trinhvodang@gmail.com               |                      | Officer      | Cán bộ Chi cục TS      |        |
| 7  | Nguyen Van Duyet Company | nguyenvanduyetcpt-company@eacds.com |                      | User         | Buyer                  |        |
| 8  | Nguyen Thanh Ha Buyer    | hanguyen24tl-buyer@eacds.com        |                      | User         | Buyer                  |        |
| 9  | Nguyen Van Duyet         | nguyenvanduyetcpt@gmail.com         |                      | Vessel Owner |                        |        |
| 10 | Nguyen Thanh Ha          | hanguyen24tl@gmail.com              |                      | Vessel Owner |                        |        |

Items per page: 10

1 - 10 of 117



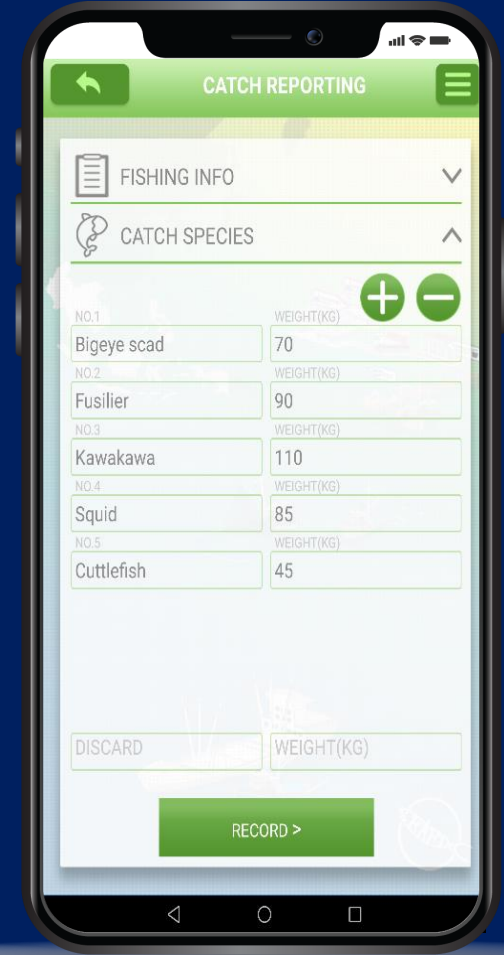
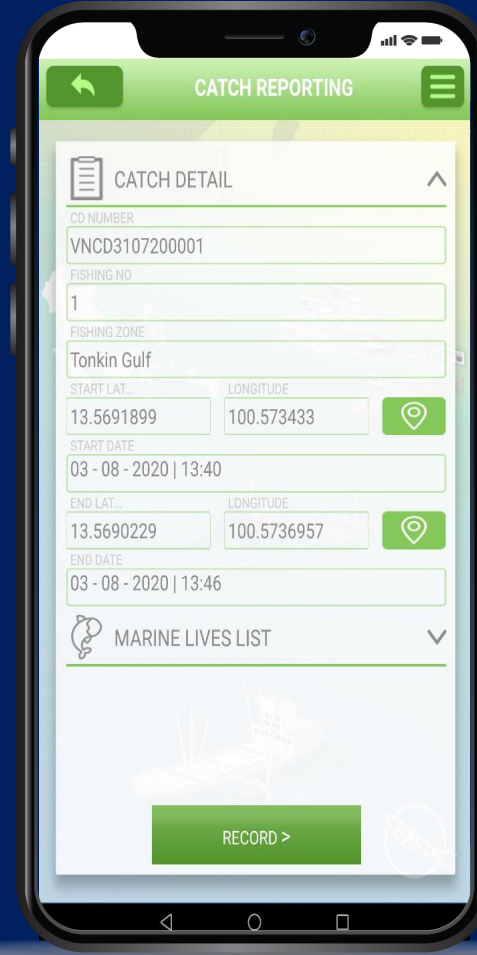
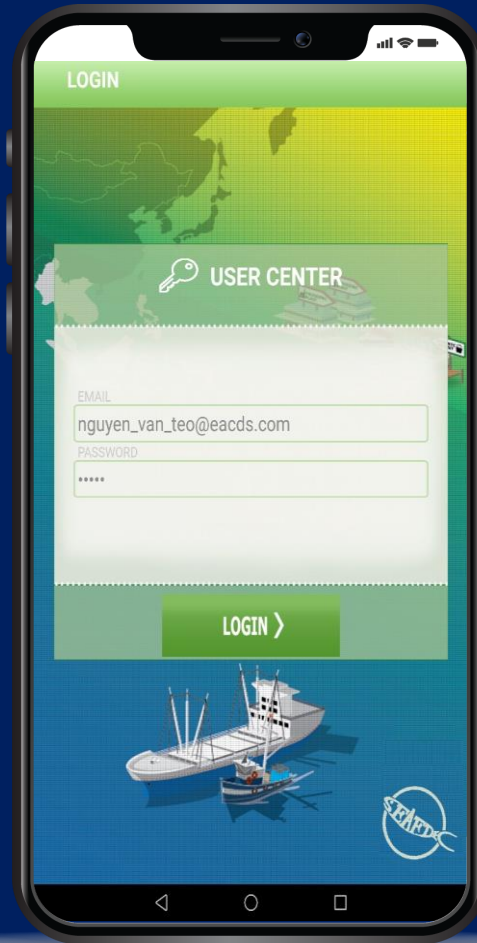
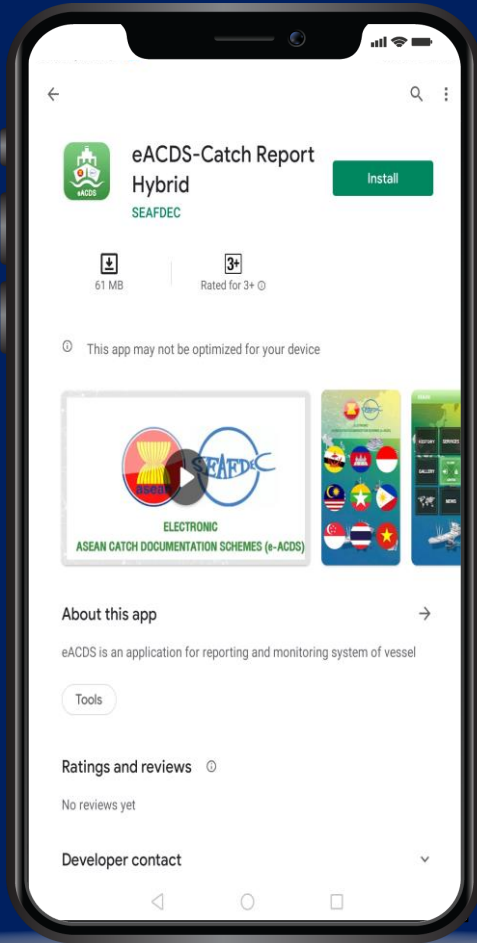


# eACDS-Catch Report App.

Fishing Master/Vessel Owner



Available : online/offline





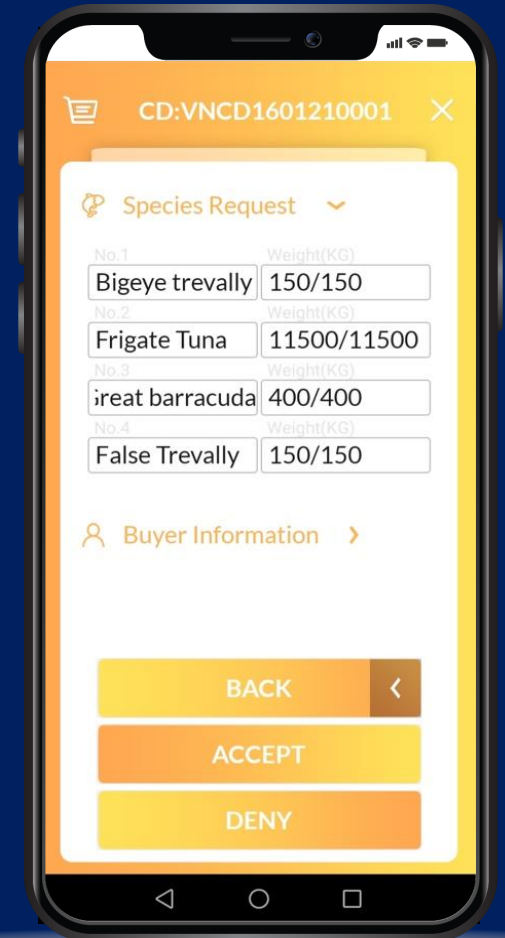
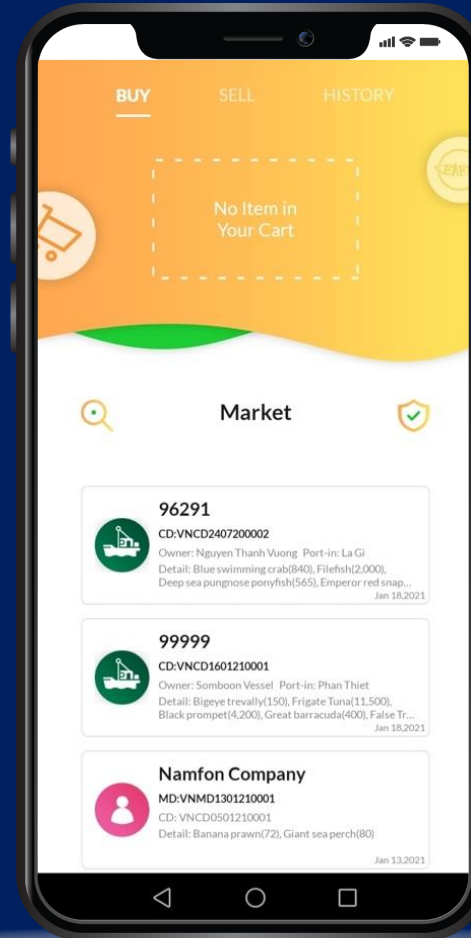
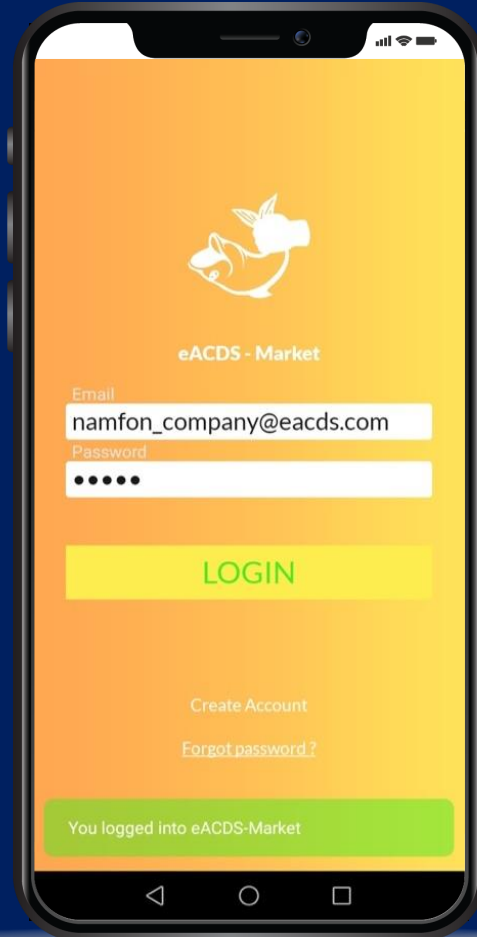
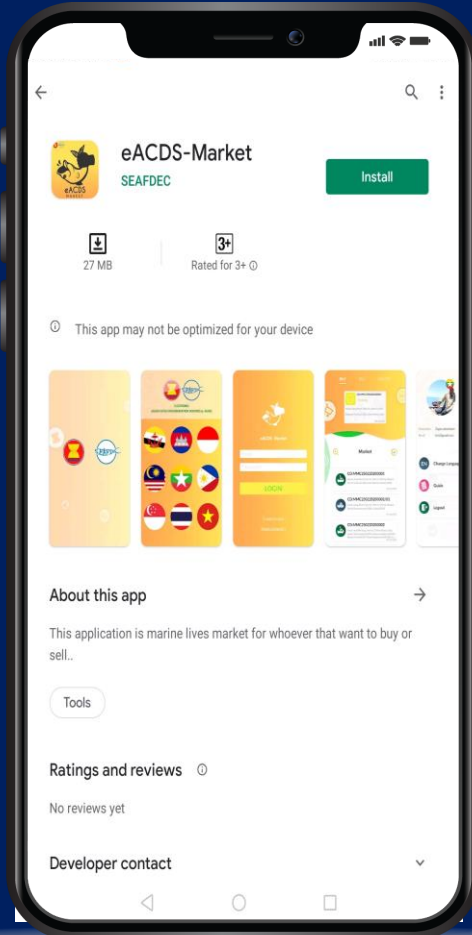


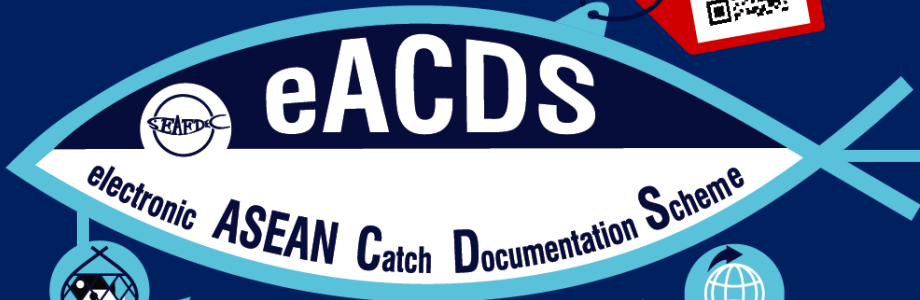
# eACDS-Market App.

Seller and Buyer



Available : Online





**FEATURE**

# ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEME (eACDS):

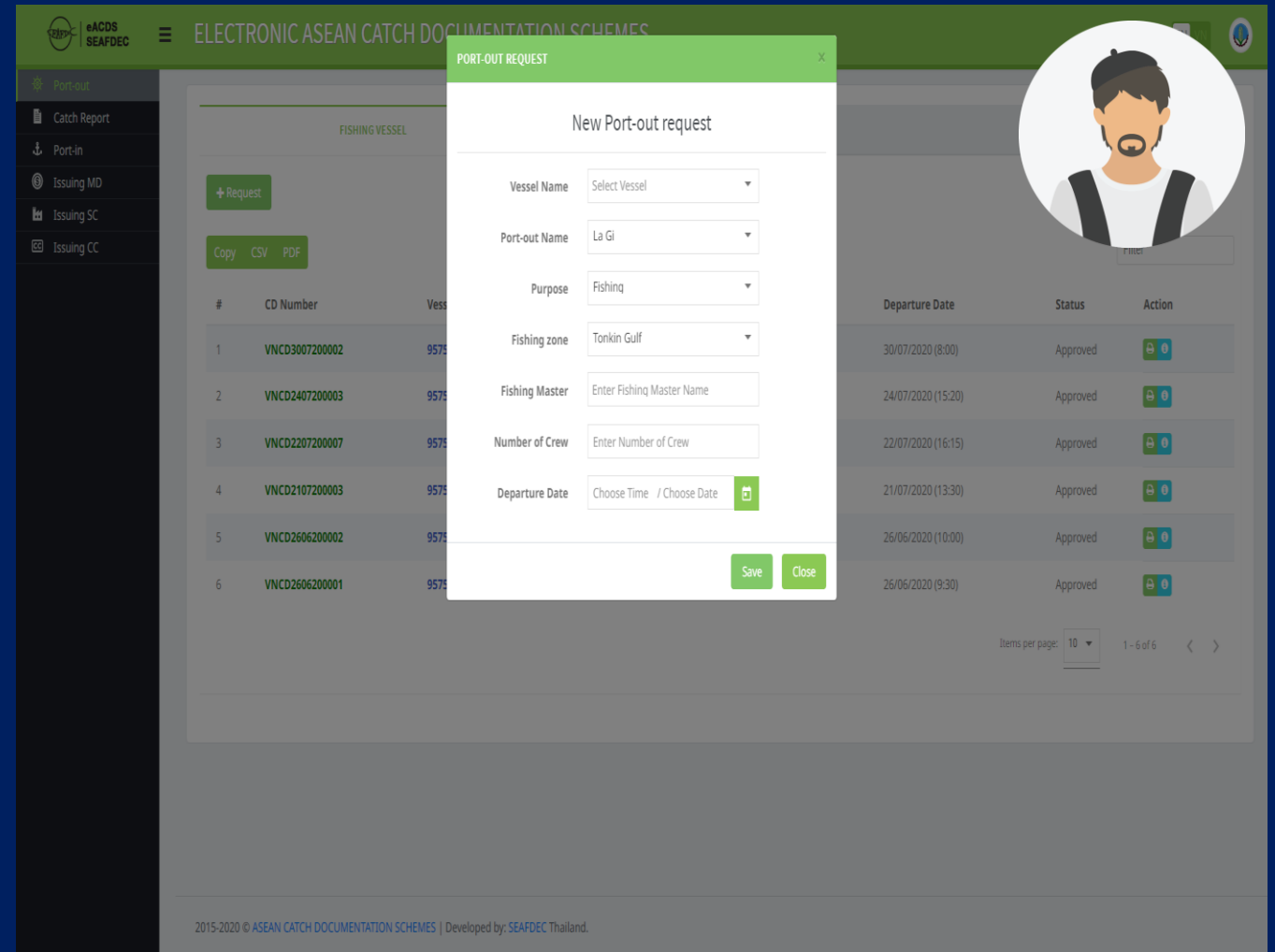


**SEAFDEC/ TRAINING DEPARTMENT**

# FEATURE IN eACDS APP.

1

Request Port-out/Port-in  
by Vessel Owner / Fishing  
Master via Online  
webpage



The screenshot displays the eACDS SEAFDEC web application interface. A modal window titled "PORT-OUT REQUEST" is open, showing a "New Port-out request" form. The form includes the following fields:

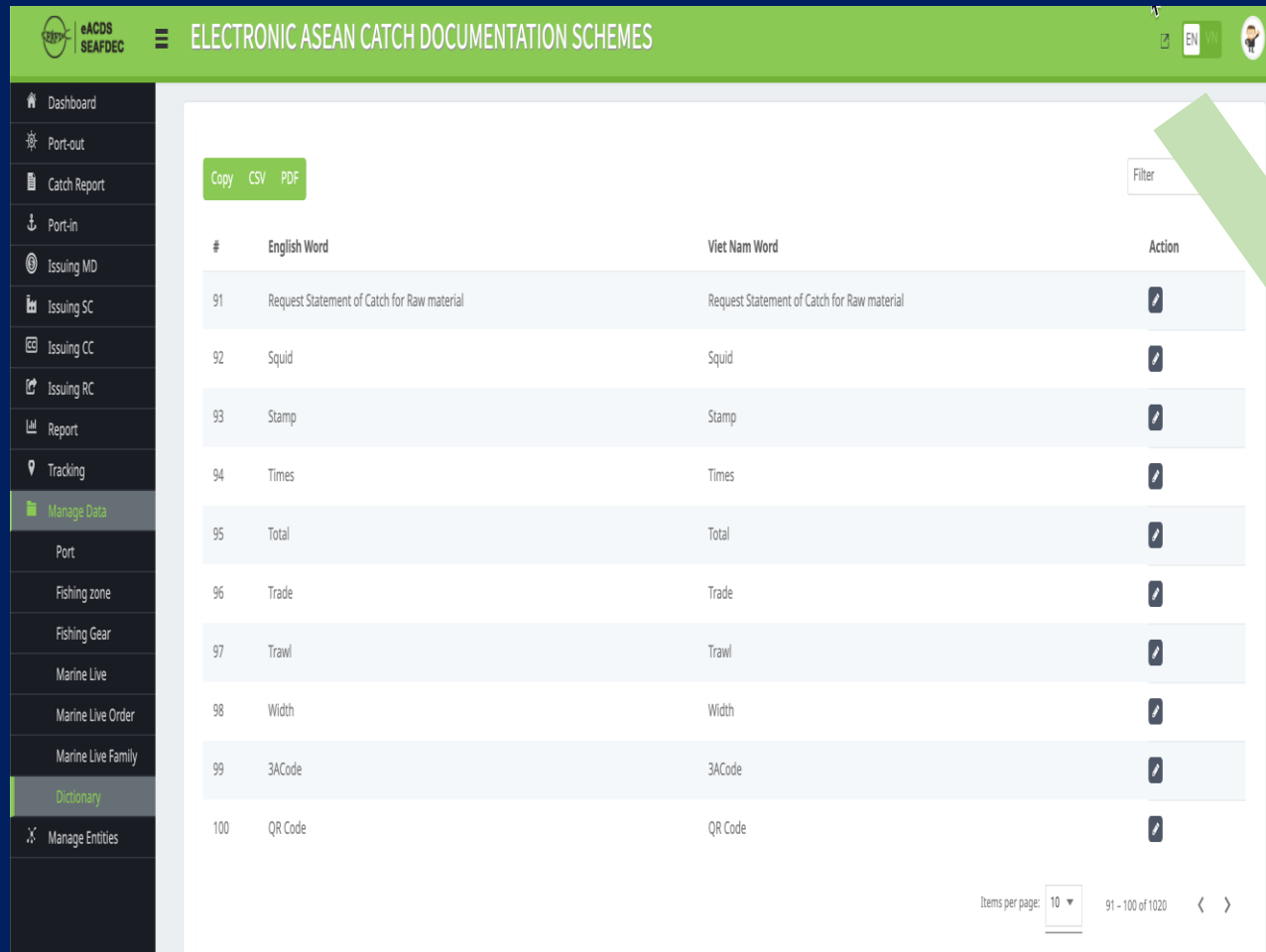
- Vessel Name: Select Vessel (dropdown)
- Port-out Name: La Gi (dropdown)
- Purpose: Fishing (dropdown)
- Fishing zone: Tonkin Gulf (dropdown)
- Fishing Master: Enter Fishing Master Name (text input)
- Number of Crew: Enter Number of Crew (text input)
- Departure Date: Choose Time / Choose Date (calendar icon)

At the bottom of the form are "Save" and "Close" buttons. In the background, a table lists fishing vessels with columns for #, CD Number, and Vessel Name. The table contains 6 rows of data:

| # | CD Number      | Vessel Name |
|---|----------------|-------------|
| 1 | VNCD3007200002 | 9575        |
| 2 | VNCD2407200003 | 9575        |
| 3 | VNCD2207200007 | 9575        |
| 4 | VNCD2107200003 | 9575        |
| 5 | VNCD2606200002 | 9575        |
| 6 | VNCD2606200001 | 9575        |

Below the table, there is a "Departure Date", "Status", and "Action" section. The "Status" column shows "Approved" for all entries. The "Action" column contains icons for edit and delete. The footer of the page reads: "2015-2020 © ASEAN CATCH DOCUMENTATION SCHEMES | Developed by: SEAFDEC Thailand."

# FEATURE IN eACDS APP.



The screenshot displays the 'ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES' interface. A sidebar on the left contains navigation options such as 'Dashboard', 'Port-out', 'Catch Report', 'Port-in', 'Issuing MD', 'Issuing SC', 'Issuing CC', 'Issuing RC', 'Report', 'Tracking', 'Manage Data', 'Port', 'Fishing zone', 'Fishing Gear', 'Marine Live', 'Marine Live Order', 'Marine Live Family', 'Dictionary', and 'Manage Entities'. The main content area shows a table with columns for '#', 'English Word', 'Viet Nam Word', and 'Action'. A 'Filter' box is located at the top right of the table. The table lists 10 items, each with a corresponding action icon. At the bottom right, there is a pagination control showing 'Items per page: 10' and '91 - 100 of 1020'.

| #   | English Word                                | Viet Nam Word                               | Action |
|-----|---|---|--------|
| 91  | Request Statement of Catch for Raw material | Request Statement of Catch for Raw material |        |
| 92  | Squid                                       | Squid                                       |        |
| 93  | Stamp                                       | Stamp                                       |        |
| 94  | Times                                       | Times                                       |        |
| 95  | Total                                       | Total                                       |        |
| 96  | Trade                                       | Trade                                       |        |
| 97  | Trawl                                       | Trawl                                       |        |
| 98  | Width                                       | Width                                       |        |
| 99  | 3ACode                                      | 3ACode                                      |        |
| 100 | QR Code                                     | QR Code                                     |        |

2

Bilingual both eACDS  
Web-based and eACDS  
Mobile Application  
(English – Local Language)





# FEATURE IN eACDS APP.

The image shows a smartphone screen with the 'eACDS' app interface. The title bar is green and says 'CATCH REPORTING'. Below it is a 'CATCH DETAIL' section with several input fields. A red rectangular box highlights the 'START' and 'END' location and date information. Below this is a 'MARINE LIVES LIST' section with a faint image of a fishing boat and a green 'RECORD >' button at the bottom.

| Field        | Value                  |
|--------------|------------------------|
| CD NUMBER    | VNCD3107200001         |
| FISHING NO   | 1                      |
| FISHING ZONE | Tonkin Gulf            |
| START LAT... | 13.5691899             |
| LONGITUDE    | 100.573433             |
| START DATE   | 03 - 08 - 2020   13:40 |
| END LAT...   | 13.5690229             |
| LONGITUDE    | 100.5736957            |
| END DATE     | 03 - 08 - 2020   13:46 |

3

eACDS – Catch Report Application can get Date, Start – End Position by Operation

# FEATURE IN eACDS APP.

4

The eACDS – Catch Report Application for Transshipment at sea via QR-Code



The screenshot displays the 'TRANSSHIPMENT' screen in the eACDS app. At the top, there is a green header with a back arrow, the title 'TRANSSHIPMENT', and a menu icon. Below the header is a section titled 'TRANSSHIPMENT DETAIL' with a list icon and an upward arrow. The form contains the following fields: 'SUBS CD NUMBER' with the value 'VNCD0808200002/01', 'TRANSFER DATE' with the value '08 - 08 - 2020 | 11:50', 'CARRIER VESSEL' with the value 'Seafdec' and a QR code icon to its right, 'TD NUMBER' with the value 'VNTD0808200001', 'LATITUDE' with the value '13.5692156', and 'LONGITUDE' with the value '100.5734259' and a location pin icon to its right. Below these fields is a section titled 'MARINE LIVES LIST' with a fish icon and a downward arrow. At the bottom of the screen are two green buttons: 'RECORD' and 'TRANSFER'. The Android navigation bar is visible at the very bottom.



# FEATURE IN eACDS APP.

5

## REPORT - Summary Report for Manager

**eACDS SEADEC** ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES

**FILTER** Period:  All  Specific Choose Date - Choose Date Certificate: All

### CERTIFICATE CHART

Certificate Ratio

Times

Month in 2020

Legend: CD (blue), MD (black), SC (green), CC (orange), TD (purple)

**REPORT DETAIL**

The result is based on criteria

- Period All
- Certificate All

**Summary**

- Total Certificate 91
- CD 56
- TD 6
- MD 15
- SC 7
- CC 7

[Export As Excel](#)

**Detail**

Reference CD Table

Copy CSV PDF Filter

| # | CD Number     | Vessel Name | Fishing zone | Fishing Gear | Departure Date    |
|---|---------------|-------------|--------------|--------------|-------------------|
| 1 | VNCD300420001 | 99610       | Tonkin Gulf  | Purse Seine  | 30/04/2020 (9:40) |

# FEATURE IN eACDS APP.

6

## Status of Vessel (Online – Offline) on Mapping

The screenshot displays the eACDS SEAFDEC web application interface. The header is green and contains the application logo, the text "ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES", and language selection options for "EN" and "VN". A navigation menu on the left lists various functions: Dashboard, Port-out, Catch Report, Port-in, Issuing MD, Issuing SC, Issuing CC, Issuing RC, Report, Tracking, Manage Data, and Manage Entities. The main content area shows a map of Southeast Asia and the Indian Ocean region, with a search bar in the top right corner labeled "Search Vessel". The map displays various countries and seas, including Afghanistan, Pakistan, India, Bangladesh, Myanmar (Burma), Laos, Vietnam, Cambodia, Thailand, Malaysia, Singapore, Indonesia, Philippines, Papua New Guinea, and others. The map also shows the Arabian Sea, Bay of Bengal, Andaman Sea, Gulf of Thailand, Java Sea, Banda Sea, Timor Sea, Arafura Sea, Solomon Sea, Coral Sea, and North Pacific Ocean. The current data is shown as "CURRENT DATA ON : Fri Aug 07 2020 09:30:53 GMT+0700 (Indochina Time)".



# FEATURE IN eACDS APP.

7

## Information and Timeline of Fishing Vessel Activities

The screenshot displays the eACDS app interface. The top navigation bar includes the eACDS SEADEC logo and the text "ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES". A sidebar on the left contains menu items: "Port-out", "Catch Report", "Port-in", and "Tracking". The main content area is partially obscured by a "VESSEL PROFILE" modal window.

**VESSEL PROFILE**

**95759** Online

Registration No. : 95759

Vessel Owner : **Nguyen Van Teo**

Vessel Category : Fishing

Vessel Type : Steel

Fishing License No : -

Fishing License Expiry Date : **31/08/2020 (+24)**

Gear License No. : 0233

Gear License Expiry Date : **31/08/2020 (+24)**

Issue Date : 01/01/1970

**TIMELINE**

- Port-out | Port : La Gi / Purpose Other : 31/07/2020 (8:15)
- Port-in | Port : La Gi / Purpose Deliver Marine Lives : 07/08/2020 (10:20)
- Fishing | Fishing No : 2 / Fishing zone : Offshore Area : 03/08/2020 (13:54)
- Fishing | Fishing No : 1 / Fishing zone : Tonkin Gulf : 03/08/2020 (13:40)
- Port-out | Port : La Gi / Purpose Fishing : 31/07/2020 (6:00)
- Port-in | Port : La Gi / Purpose Accident : 31/07/2020 (9:16)
- Port-out | Port : La Gi / Purpose Fishing : 30/07/2020 (8:00)

**TASK**

- VNCD3107200001** : 31/07/2020 (6:00)
- VNCD3007200002** : 30/07/2020 (8:00)
- VNCD2407200003** : 24/07/2020 (15:20)
- VNCD2207200007** : 22/07/2020 (16:15)
- VNCD2107200003** : 21/07/2020 (13:30)
- VNCD2606200002** : 26/06/2020 (10:00)
- VNCD2606200001** : 26/06/2020 (9:30)

The background shows a table of catch documents with columns for "#", "CD Num", and "Status". The status column shows "Complete" for all entries. A "Filter" input field is visible above the table. At the bottom right, there is a pagination control showing "Items per page: 10" and "1 - 10 of 45".

# FEATURE IN eACDS APP.

8

## Vessel Tracking System on eACDS

The screenshot displays the eACDS SEAFDEC Vessel Tracking System interface. The top navigation bar is green and contains the eACDS SEAFDEC logo, a menu icon, the text "ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEMES", and language options for EN and VN. A user profile icon is visible in the top right corner.

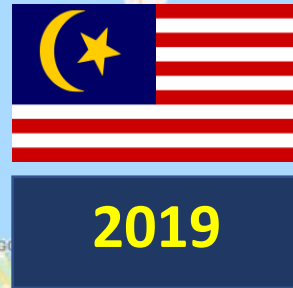
On the left side, there is a dark sidebar menu with the following items: Dashboard, Port-out, Catch Report, Port-in, Issuing MD, Issuing SC, Issuing CC, Issuing RC, Report, Port-in Port-out, Marine Live, Certificate, Tracking (highlighted), Manage Data, and Manage Entities.

The main content area features a map of Samut Prakan, Thailand, showing a vessel tracking path in green. The path starts near the Chao Phraya River and moves through various areas. A search bar at the top of the map area shows "FILTER" and "Period: All Specific 24/07/2020 - 24/07/2020 Vessel: 99448". A search box on the right side of the map contains "Search Vessel" and "Show Landmark".

Key locations and landmarks on the map include: Phra Samut Chedi, Paolo Hospital Samutprakarn, Samut Prakarn Hospital, Samut Prakarn Crocodile Farm and Zoo, Wat Phraeksa, and several villages such as Village 5, Village 4, Village 2, Village 1, Village 16, Village 6, Village 7, Village 11, Village 12, Village 13, Village 14, Village 15, Village 16, Village 17, Village 18, Village 19, Village 20, Village 21, Village 22, Village 23, Village 24, Village 25, Village 26, Village 27, Village 28, Village 29, Village 30, Village 31, Village 32, Village 33, Village 34, Village 35, Village 36, Village 37, Village 38, Village 39, Village 40, Village 41, Village 42, Village 43, Village 44, Village 45, Village 46, Village 47, Village 48, Village 49, Village 50, Village 51, Village 52, Village 53, Village 54, Village 55, Village 56, Village 57, Village 58, Village 59, Village 60, Village 61, Village 62, Village 63, Village 64, Village 65, Village 66, Village 67, Village 68, Village 69, Village 70, Village 71, Village 72, Village 73, Village 74, Village 75, Village 76, Village 77, Village 78, Village 79, Village 80, Village 81, Village 82, Village 83, Village 84, Village 85, Village 86, Village 87, Village 88, Village 89, Village 90, Village 91, Village 92, Village 93, Village 94, Village 95, Village 96, Village 97, Village 98, Village 99, Village 100.



# STARTING IMPLEMENTATION OF eACDS



ANDAMAN AND NICOBAR ISLANDS

Andaman Sea

Gulf of Thailand

Malacca Strait

RIAU ARCHIPELAGO

Celebes Sea

Google

# STAGES OF IMPLEMENTATION

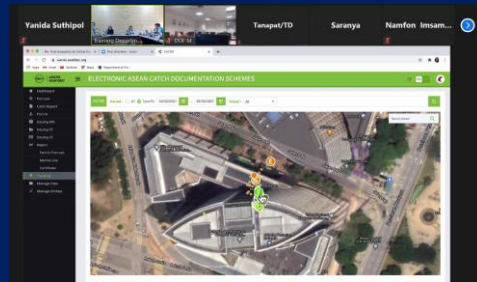
1

INTRODUCTION



2

BASELINE SURVEY  
STATUS ANALYSIS



3

DEVELOP SYSTEM



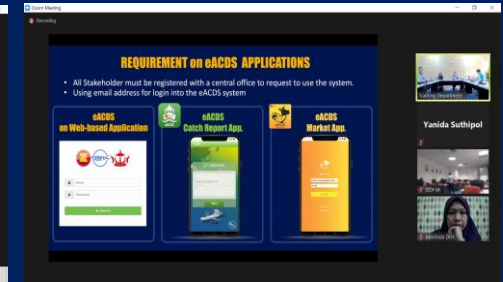
4

TRAINING AND  
TESTING SYSTEM



5

IT TRANSFER





# LET'S START HOW eACDS DOES IT WORK?

