



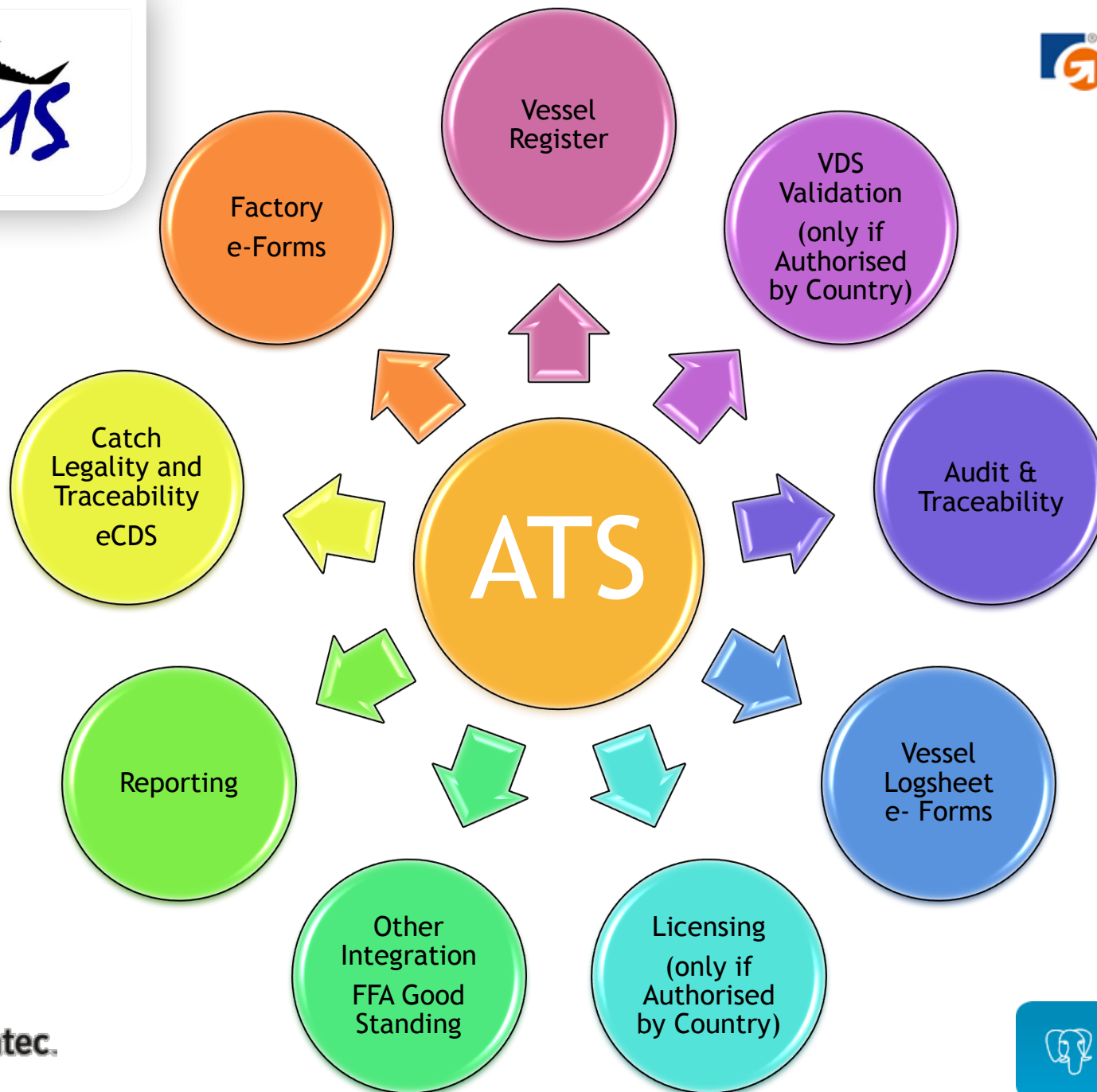
# Fisheries Information Management System (FIMS) eCDS

# INTRODUCTION

- ◉ **eCDS FIMS** has been created with the purpose of meeting the EU transparency needs of Papua New Guinea - initial focus on Purse Seine Tuna Fishery
- ◉ Access to eCDS FIMS has been provided to ALL Flag States (Philippines, Korea, Japan and China) which are licensed to fish in PNG Waters.
- ◉ The eCDS FIMS will continue to be enhanced to provide a platform “fit for purpose” and can be made to communicate to the WCPFC RFMO in a prescribed format
- ◉ Integration for processors with e-CDS FIMS is coming soon



eCDS  
FIMS



# EREPORTING FOR CDS

- ◉ 3 types of eReporting used by PNG to Validate Catch
  - Vessel logbook eReporting
  - Observer workbook eReporting
  - Port Monitoring eReporting



# IFIMS VESSEL LOGBOOK - EREPORTING

- iFIMS - provides industry with a platform to manage and eLodge data near real time
- Catch Reporting and other functions available for any country
- Over 260 Purse Seine Vessels registered since 2013
- Over 100 Long Line registered so far
- Provides for Catch Reporting to FIMS

IFIMS - Integrated Fisheries Information & Management System

eForms Waiting to be Sent: 0

Vessel Name: BIG PS

IRCS: BD234

Authorised User: MARK OATES

CHECK FOR UPDATE	TRIP SETTINGS	REVIEW eFORMS	inReach
VDS Non-Fishing	Manual Positions	Report Sighting	eCDS
Tranship Activity	Unloading Activity	Zone Entry & Exit	Bunkering Notice
Tranship Notice	Port Call Notice	Observer Request	Bunkering Activity
Fuel Report			

Name: BIG PS  
Type: Single Purse Seiner  
IRCS: BD234

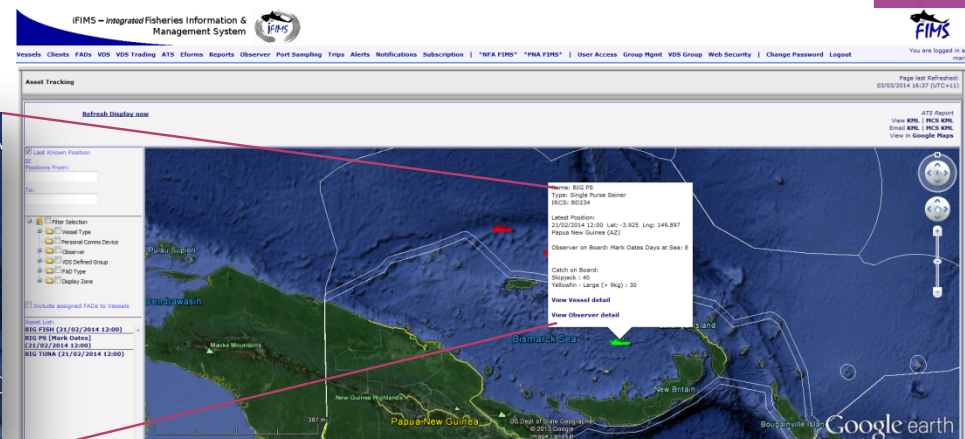
Latest Position:  
21/02/2014 12:00 Lat: -3.925 Lng: 149.897  
Papua New Guinea (AZ)

Observer on Board: Mark Oates Days at Sea: 8

Catch on Board:  
Skipjack : 40  
Yellowfin - Large (> 9kg) : 30

[View Vessel detail](#)

[View Observer detail](#)



# OBSERVER WORKBOOK, CDS AND MSC EFORMS

- eReporting using the FIMS Observer App has been used by PNG Observer Program since 2014
- Near Real Time “Mission Critical” data is sent from tablet App by Satellite Personal Communitisation Device including catch, effort and compliance information
- Working towards 100% Electronic reporting by Observers by the end of 2017 so that Observer data can be used for Catch Validation on entry to Port

The image displays three overlapping screenshots of the FIMS (Integrated Fisheries Information & Management System) Observer App interface on a tablet.

**Top Screenshot (Main Menu):** Shows the app's main menu with options like 'inReach Check/Send Now', 'eForms Waiting to be Sent: 10', 'Photos Waiting to be Sent: 0', 'Wifi Send End Trip eForms Now', and 'End Trip eForms Waiting to be Sent: 2'. It also displays vessel information: 'Vessel Name: BIGPS', 'IRCS: IRCS', and 'Observer: MARK OATES'. A grid of buttons includes 'PS-1', 'PS-2,3,4', 'PS-5', 'Trip Report', 'GEN-1 (Sighting)', 'GEN-2', 'GEN-3', 'GEN-4', 'GEN-6', 'CDS or MSC Transhipment', 'CDS or MSC Unloading', 'Unloading', 'Messaging', 'Review', and 'inReach'.

**Middle Screenshot (Vessel Details):** Shows a form for vessel details including 'Ship Time: 04:33', 'Latitude: 0123.40S', 'Longitude: 15424.12E', 'EEZ Country: Papua New Guinea', 'Wind: 5 (kts) 60 (°)', 'Sea: C-Calm', 'Activity: Fishing Set', and 'School Association: Unassociated'.

**Bottom Screenshot (SET DETAILS):** Shows a detailed form for 'SET DETAILS' and 'SET CATCH DETAILS'. It includes sections for 'SET SEQUENCE TIMES', 'SET CATCH DETAILS' (with columns for 'Total catch', 'Total weight', 'Total length', 'Total count', 'Total value', 'Total effort', 'Total compliance', 'Total catch', 'Total weight', 'Total length', 'Total count', 'Total value', 'Total effort', 'Total compliance'), and 'BY-CATCH (ALL NON-TARGET SPECIES)'.

# E-CDS TABLET REPORTING AND FIMS

- In Country CDS Monitoring in Port using the tablet Android App is collecting *huge* amounts of data which is used for cross Validation and Traceability of the Catch

CDS Summary			
Search			
Arrange By	Filter Activity	Sort By	Order
Activity Date	All	Activity Date	Z - A
100	Show		
Activity Date	Activity	Port	Asset/s
29/03/2017 03:01	CDS2 - Landing	LAE	UNLOADING VESSEL: GLAXINIA 888 CATCHER VESSEL: RED TULIP 888 COLDSTORE: Frabelle - Lae 3 (PG)
29/03/2017 02:47	CDS2 - Landing	LAE	UNLOADING VESSEL: GLAXINIA 888 CATCHER VESSEL: PINK CARNATION COLDSTORE: Frabelle - Lae 3 (PG)
28/03/2017 23:17	CDS2 - Landing	LAE	UNLOADING VESSEL: GLAXINIA 888 CATCHER VESSEL: NIUPELALIP NO.8 COLDSTORE: Majestic - Lae 2 (PG)
28/03/2017 22:46	CDS2 - Landing	LAE	UNLOADING VESSEL: BERNADETTE MARIE CATCHER VESSEL: SOPHIA MARTINA COLDSTORE: Majestic - Lae 2 (PG)
22/03/2017 04:14	CDS1 - Transhipment	VIDAR (SEK HARBOUR)	TRANSFER VESSEL: DOLORES 787 RECEIVE VESSEL: DOLLY 767
25/03/2017 03:59	CDS1 - Transhipment	LAE	TRANSFER VESSEL: GLAXINIA 888 RECEIVE VESSEL: PRIMROSE 888

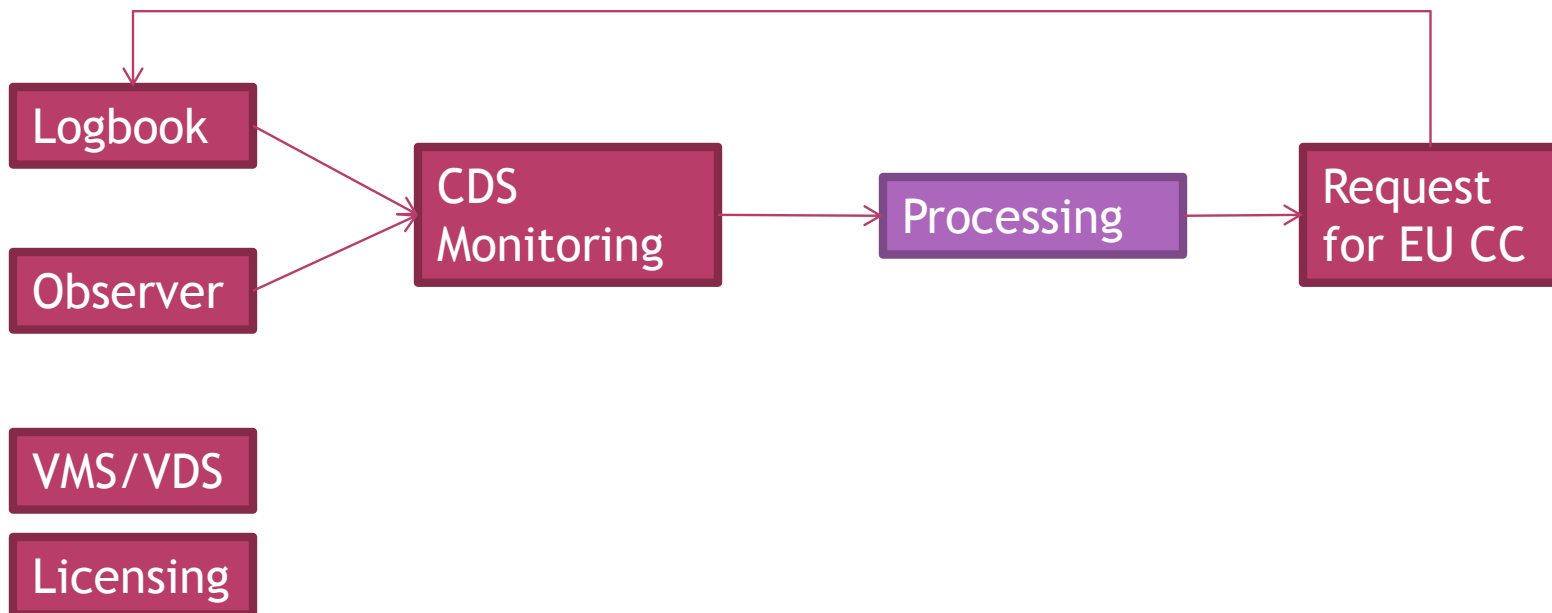
# CDS FOCUS

## ◉ EU CDS Requires:

- Legality of Harvest. Was the Fish Legally Caught?  
(in-country)
  - Logsheet
  - Licensing
  - VMS
  - VDS
  - Observer Workbook
- Fish Accountability after it left the catching Vessel.  
Traceability and Mass Balance  
(inter-country)
  - Logsheet Landing/Transshipment
  - Monitoring Officers - eCDS
  - Factory eReporting
- Certificate Completeness and Accuracy

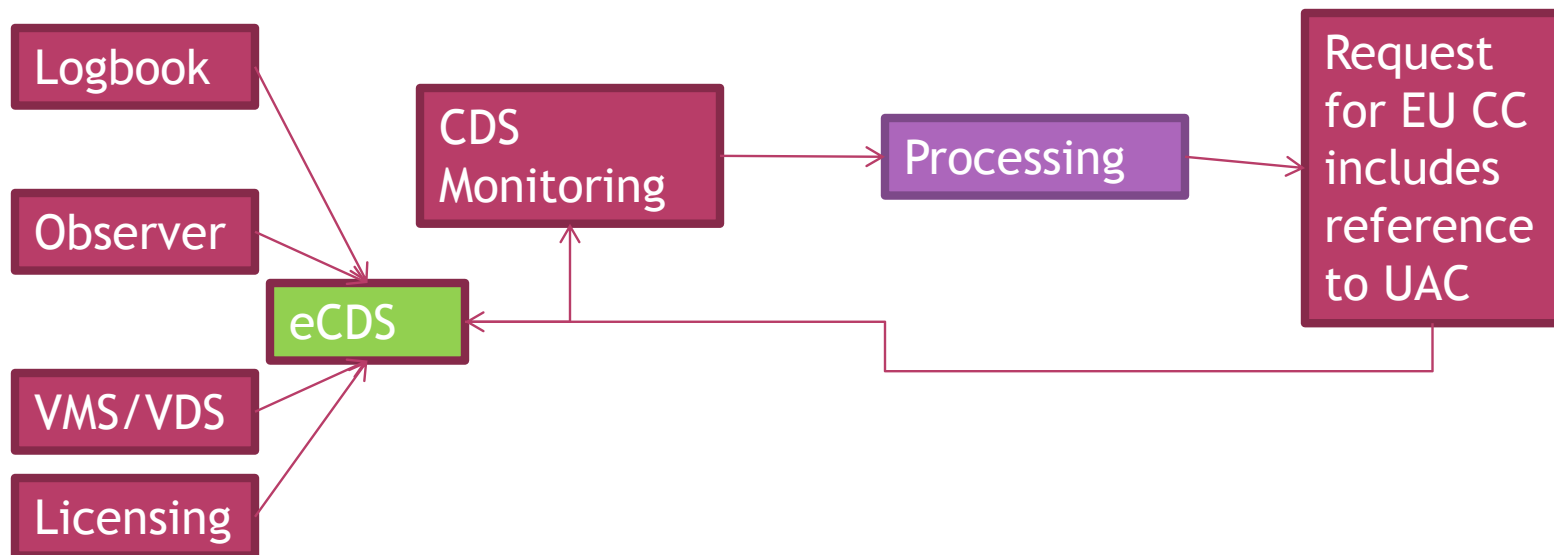
# CDS FOCUS

- ◉ The problem with the EU CDS is that it is backwards looking. CDS Officers need to work back through Historical records and balances

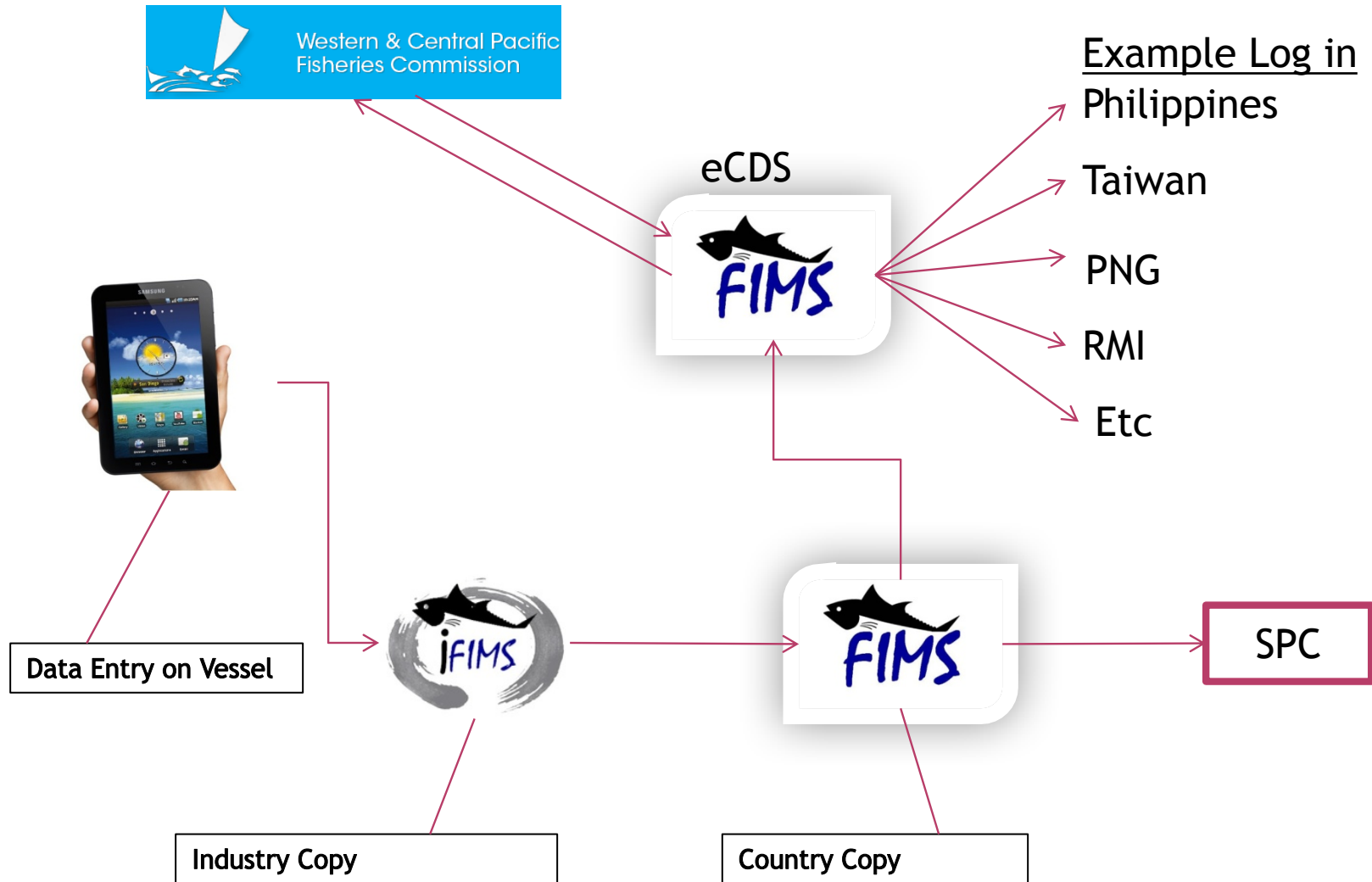


# CDS FOCUS

- ◉ The new Method is forward looking and provides validation for the legality of the catch at the time that this is most easily verified; at the point of transshipment or landing. An Unloading Authorisation Code(UAC) can be issued at this time and provided to Industry.



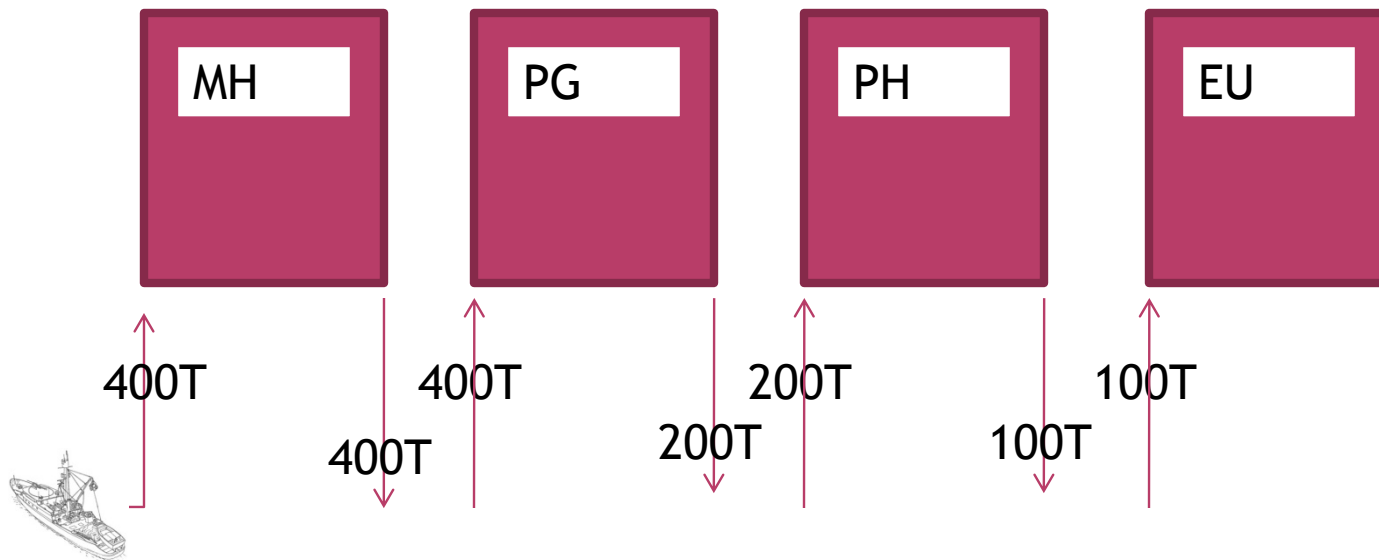
# DATA FLOW





# COMPLEXITIES IN PNG

		UA1001-MH 400T	
	UA1001-MH 400T	ED1001-MH 400T	
UA1001-MH 400T	ED1001-MH 400T	ED1002-PG 200T	
ED1001-MH 400T	ED1002-PG 200T	ED1003-PH 100T	EUCC9999-MH 100T





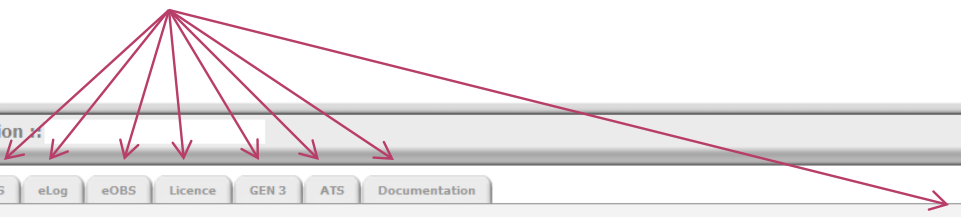
# Demonstration Example

## Inter-country eCDS FIMS

# USING FIMS TO PRODUCE THE UAC


- ◉ Request for Transhipment or Landing Received (Port-call notice)...
- ◉ Check using system (eg. eCDS FIMS):
  - Logbook eReporting Data
  - Observer eReporting Data
  - Catching Area
  - License for Catching Areas
  - GEN3 Issues?
  - VMS/VDS Status
  - Issue Unloading Authorisation Code


# USING FIMS TO VALIDATE CATCH



**Catch Verification**

**Summary** CDS eLog eOBS Licence GEN 3 ATS Documentation

Catch Start Date: 22/05/2015 

Catch End Date: 24/07/2015 

Status: ACTIVE ▾

Call Sign (IRCS):

Flag State: Philippines

Registration #:

IMO #:

Lloyds #:

**CDS Checklist:**

Logsheet: ☒ OK


Catching Areas: ☒ OK

Licence: ☒ OK

Observer Data: ☒ OK

GEN-3: ☒ OK

VDS: ☒ OK

Catch Verification Accepted:  

**.. Print Catch Verification Summary**

Comments: TS catch confirmed EEZ

**Trip Catch summary**

Species	EEZ - Papua New Guinea (mT)	TS - Papua New Guinea (mT)
Skipjack	484.95	2.67
Yellowfin - Small (< 9kg)	111.81	
Yellowfin - Large (> 9kg)	34.32	
Bigeye - Small (< 9kg)	0.81	
Bigeye - Large (> 9kg)		
Other	7.68	

**Create Unloading Authorisation Code**

...Page Successfully Updated... .. Save Changes

# USING FIMS TO PRODUCE THE UAC

- ◉ Create Unloading Authorisation
- ◉ PDF Button to produce Summary Report
- ◉ Gives Starting Sum for Mass Balance tracking

# USING FIMS TO PRODUCE THE UAC

Detail

Fish Movement type:

Catcher Vessel:

Catcher Master:

Port of Landing/Transshipment:

Country of Landing/Transshipment:

Catcher Trip Start Date:

Catcher Trip End Date:

Trip Year:

Trip Number:

Catching Area:

Papua New Guinea - EEZ [\(Remove\)](#)

Papua New Guinea - AZ [\(Remove\)](#)

Species:

Weight:

Presentation of Fish:

Volumes Data Source:

SKJ - 485 T (Whole / Logsheet) [\(Remove\)](#)

YFT - 145 T (Whole / Logsheet) [\(Remove\)](#)

BET - 1 T (Whole / Logsheet) [\(Remove\)](#)

SKJ - 500 T (Whole / Weighed In) [\(Remove\)](#)

.. Add Catch

Carrier Vessel:

Carrier Departure Port:

Carrier Departure Date:

Carrier Destination Port:

Facility - Processor:

.. PDF Pacific Catch Certificate

.. Save Changes

CDS Review:

	BET	SKJ	YFT
	1	985	145
Trade Certificate #: ED10000015	0	0	0
Trade Certificate #: ED10000014	0	485	0
Mass Balance (T):	1	500	145

Create Trade Certificate

# WHEN THE FISH GO OUT OF COUNTRY AS AN EXPORT - EU CC OR OTHERWISE

- Trade Document can be issued as need be with reference to the UAC
- PDF to produce Export Document
- Gives Mass Balance tracking

	BET	SKJ	YFT
	1	985	145
Trade Certificate #: ED10000015	0	0	0
Trade Certificate #: ED10000014	0	525	0
Mass Balance (T):	1	460	145



# IN SUMMARY

- ◉ PNG has the tools as both a Flag State and a Coastal state to Validate the legality of catch for both its Flag Vessels and other Vessels Licensed to Fish in its waters.
- ◉ Other Flag States are welcome to use the eCDS FIMS for improved validation of Catch for entry to markets.
- ◉ Please contact Alois Kinol or Mark Oates for further information  
[akinol@fisheries.gov.pg](mailto:akinol@fisheries.gov.pg)  
[mark@ifims.com](mailto:mark@ifims.com)

# Questions



**i**ntegrated  
**FIMS**