

#### **NOAA** FISHERIES

Office of Law Enforcement

# **Information Analysis**

#### Port State Measures Training Program PSMA Annex E – Element 6

Lima, Peru January 27, 2020

## What Information do we need?

- Information about the vessel, its flag state and registration numbers, the licenses or permits it holds to fish, the type of gear it is permitted to use and a recent photograph.
- Information about the owner, crew, their nationality, and language skills.
- Data from the vessel GPS, computer, and other electronics.
- Details of any catch on board, and whether that catch was caught by that vessel or another vessel.
- Logbook information about the boat and its fishing activity, including when and where catch onboard was taken.



# Analyze all registry identification and identify accurately the flag state and port of registry.





Advanced Request for Port Entry

# PSMA Annex A information



1. Inter	nded p	ort of	f call											
2. Port	State													
3. Estin	mated	date	and tim	e of a	arrival									
4. Purp	oose(s)													
5. Port	and d	ate of	f last po	rt ca	11									
6. Nam	e of th	e ves	sel											
7. Flag	State													
8. Type	e of ves	ssel												
9. Inter	rnation	nal Ra	adio Ca	ll Sig	gn									
10. Ves	ssel cor	ntact	inform	ation										
11. Ves	ssel ow	ner(s	)											
12. Cer	rtificat	e of r	egistry	ID										
13. IM	O ship	ID, i	f availa	ble										
14. Ext	ernal	ID, if	availab	le										
15. RF	MOII	), if a	pplicab	le										
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19. Rel	levant i	fishin	ig autho	orizat	tion(s)									
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20. Rel	evant	trans	shipme	nt au	thorization	(s)								
Identifi				ssue		Í			Valia	dity				
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		men			n concernii	ig doi	nor ve	ssels						
Date	Loca		Name		Flag State		ID		ecies	Prod	uct	С	atch	Quantity
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22. Tot	tal cate	h on	board								23. (	Catel	h to be	offloaded
Spec	ies	Pre	oduct fo	rm	Catch a	ea		Qı	lantit	у			Quant	ity

Information to be provided in advance by vessels requesting port entry

### **Upon arrival in Port**



Vessel Markings:



Vessels can be identified by the name, registration numbers, radio call sign, and port of registry. All this information will be displayed on the stern or side of the vessel, as well as on the upper deck so it can be seen from the air.

Identifying information may also be found on gear and equipment, including: Longline Buoys Floats Fish Aggregated Devices (FADS)





It is common for IUU vessels to cover up their vessel registration numbers when fishing, using tarpaulins, fishing gear and fenders. Often you can see names that have been painted over.

Official markings must be permanently affixed using block letters of specific size dependent on length of the vessel.



## **Review the Vessel Particulars**

- Name of vessel, Flag,
- International Radio Call Signal (IRSC),
- Port of Registration,
- Certificate of Registry,
- Engine,
- LOA, Breadth,
- Draft, Gross Tonnage, Net Tonnage,
- Name of Owner, Name of Operator, Number of Crew,
- IMO Number

Ensure the information matches the vessel and associated permits



# Verifying Flag State and Port of Registry

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- Verify official paperwork with the vessel characteristics, markings observed on the vessel, and the photograph on the RFMO Vessel Profile.
- Compare:
  - Flag State Certificate of Nationality / Registration and documents
  - RFMO Vessel Record
  - RFMO (i.e. FFA) Vessel Certificate of Registration
  - Vessel to its photograph on file with the RFMO





# Identify accurately the vessel owner, officers, crew and vessel agent

- Present your authority to the Vessel Master
- Be cognizant of language barriers ensure that you have a shared language, translator or use language cards that explains who you are, what your going to do.
- Identify whether member of the crew speaks your language or a shared second language.
- You must work hard to communicate effectively with the master or senior crew members of the vessel. Be professional and courteous.
- Do not interfere with the master's ability to communicate with the authorities of the flag state or his company, local agent, or legal advisor.



# Vessel Ownership

Document all indications of ownership and ownership interests:

- RFMO records,
- Vessel documents,
- Fishing / transshipment authorizations,
- Any corporate documents,
- Information on joint ventures and other companies with an interest in the vessel or licenses and permits.

Verify that ownership information is consistent on all documents.



### **Documents to require of Vessel Master**

• Crew List and passports



- Masters Name and address
- Fishing Master's name and address
- Names and nationalities of the crew
- Vessel Agent name and contact Information



# Analyze logbook data and verify positions against electronic data



- Does geographic and positional data from the vessels VMS, Plotter and Logbook match up?
- Is this consistent with vessel officers statements and Fishery Observer data (if available)?



### Harvest Records

#### South Pacific Regional Purse seine Log Sheet

~					Page of
Name of vessel		Fishing permit or licence num	nber(s)		Year
Name of fishing company	Ffa regional register number	Name of agent in port of unlo	ading	Port of departure	Port of unloading
Country of registration	Ffa type approved alc (Y/N)?	Number of fads used	Tender vessels used? (Y/N)	Date and time of departure	Date and time of arrival in port
Registration number in country of registration	International radio call sign	<ul> <li>All dates and times mus</li> <li>All weights must be met</li> </ul>		Amount of fish onboard at start of trip	Amount of fish onboard after unloading

			01	.00 UTC or	set position						Retained cat	tch					Dis	cards		
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### Harvest Records

### South Pacific Regional Longline Log Sheet

Name of vessel		Fishing permit or licence number(s)		Year
Name of fishing company	Ffa regional register number	Name of agent in port of unloading	Port of departure	Date and time of departure
Country of registration	Ffa type approved alc? (Y/N)	<ul> <li>All dates and times must be utc/gmt</li> </ul>	Port of unloading	Date and time of arrival in port
Registration number in country of registration	International radio call sign	— All weights must be kilograms	Primary target species	Number of hooks between floats

			01	.00 utc or	set position					Albacore			Bigeye			Yellowfir	n	Sh	ark	Stri	ped Irlin	Bl	ue rlin	Sword	ifish	Other	specie	s
Month	Day	Activity code	Latitude DDMM.	NS	Longitude DDMM.	E W	Set start time	Number of hooks	No ret	KG ret	No disc	No ret	KG ret	No disc	No ret	KG ret	No disc	No ret	No disc	No ret	KG ret	No ret	KG ret	No ret	KG ret	Name	Na ret	KG ret
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### Harvest Records

#### IATTC Log Sheet(s)

#### Examples at: <a href="https://www.iattc.org/Downloads.htm">https://www.iattc.org/Downloads.htm</a>

ESSEL:	MARIA		т	UNA F	ISHING	à F	ECOR	D OF	SET	s		D	ATE: MARCH 2, 1990
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7°03'N	81°58'W	PORP	0845	1100	25	-	-	5-8 P-8	825	Y	У	N	LARGE FISH SOT IDS. ONLY GOT VA OF SCHOOL. RADAR SPOTTED BIRDS FROM 10 MILES. LOG SIGHTED DURING SET.
7° 08'N	81°55'W	LOG	1140	1350	30	20			830		N	У	FULL LOAD. 5-10 16 FISH. GAVE 10 TON SJ TO MAR AZUL. 1 TAGGED SKIPJACK
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				E	XAMP								
			TOTAL TON THIS	IS TO DATE	692	325	20 BE						

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		TIME	TEMP.	DIRECTION	FORCE	SIAIE	
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7°08'N 8	а 81°55'W	1200	83.0	w	4	3	IN SET. Cook RECEIVED BURN - TO SEE DOCTOR IN PANAMA
· · ·							
7° 18'N 8	o 82° 41'W	1800	82.5	NW	3	3	BND PANAMA TO TRANSSHIP FISH ON REEFER STAR FOR
							SPAIN AND ITALY.

ADDITIONAL COMMENTS:

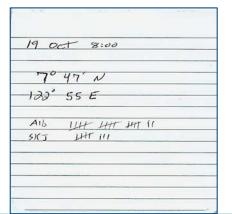


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Port	Cou	ntr	y u	nloading:			· _			Length	1:	m	Well o	apacity	:	m <sup>3</sup>	Engine	power:		
						FISH	ING M	ETHO	D AND	OPER	ATIO	NILON	GLIN	E)						
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)ay	E D		Ni	ght []2						Captur	e in:	Numb	er [ ] ]	1 Ib	]2	kg [ ]	3 100	lb[]4	MI	r ( )
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FL: 08/2010

# Fish Master / Captains Personal Logs

- Used to track activities and to prepare the official log book,
- Contains information not recorded on official logs,
- Simple notepad to High-tech digital format,
- Source for identifying
  - illegal activities



FISHING POSITION	S TYPE	F SET	SET	T 0	ATCH (TONS	3	WELLS	VOLTER TEMP	5	鸚鵡	雷	REMARKS
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## **Other Documents of Potential Interest**

- Captain's Notebook
- Fish Master's Journal
- FAD Log
- Engine Room Log
- Freezer Log
- Bunker Receipts

- Mate's Receipts
- Radio Log
- Crew Bonus Log
- Wastewater Log
- Radio Log
- Observer Records



# **Fishery Observer Program**

Observers:

- Independent field biologists who are placed in vessels to monitor activities and collect data to support a wide range of conservation and management activities.
- Responsible for monitoring and documenting fishing activities, estimating harvested and discarded catch, and some may also identify violations of national law or RFMO Conservation and Management Measures.
- Not responsible to advise the crew of regulations or to interpret regulations or CMM's. Captain is solely responsible for ensuring vessel is in compliance.

Scientists who may perform science and/or compliance role.



## **IATTC Observer Reporting**

Possible non-compliance	Number of	Relevant Resolution
	cases	
Poor sanitary conditions	3	C-12-07, Annex 3
Differences between the fish reported by the vessel and	12	C-12-07, Annex 3
by the observer		
Trash disposed at sea	2	C-04-05
Fuel spilled at sea	2	C-04-05
Shark fins on board	3	C-05-03



#### **IATTC Purse Seine Fishery Observer Form**

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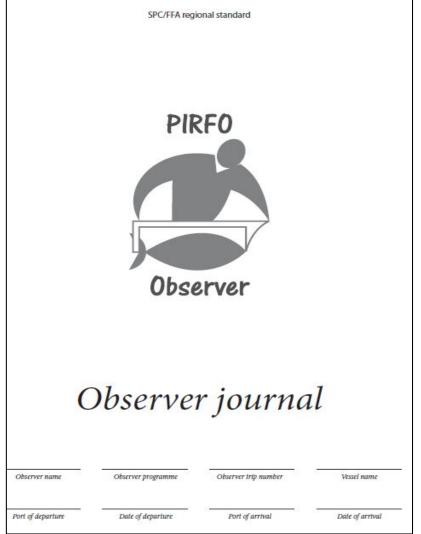


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# WCPFC Fishery Observer Work Products

### Journal

- Chronological notes written during trip (daily)
- Details of activities and life on vessel
- Describes information of alleged violations in greater details than forms.

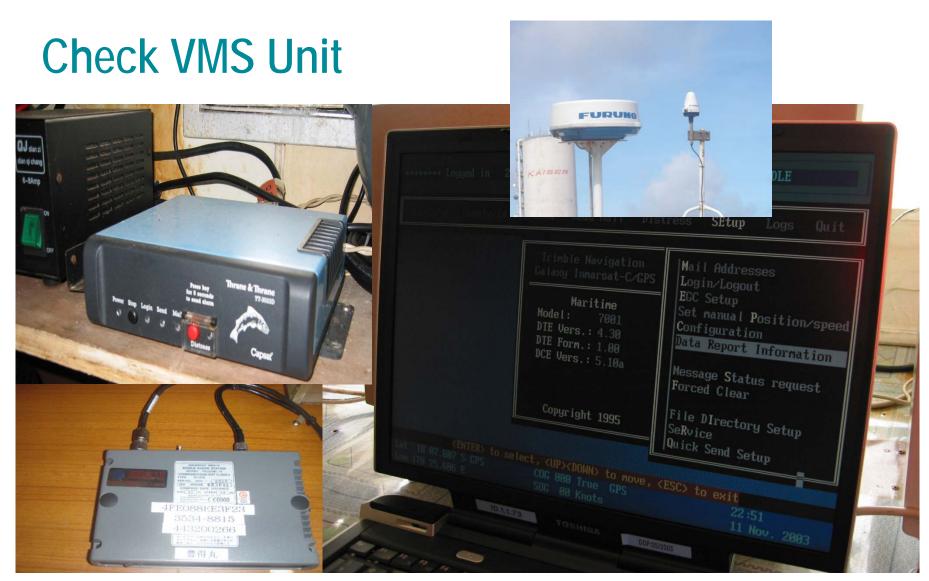


# **Vessel CCTV**

- If a monitoring system is in use, ask to review footage.
- Does date and time stamps and /or geographical location information displayed with video of transshipping or fishing match other logs and data?







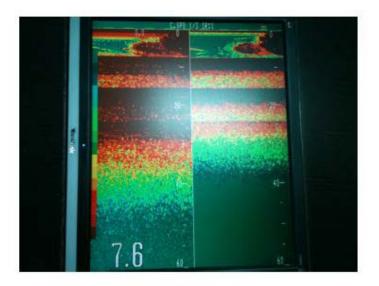
#### Is the power indicator light on? Is positional data visible?



# **Electronic Devices**

Open Systems:

- GPS Plotter
- Radar
- Sounder
- Computer
- Communication Equipment
- E logs
- Does FAD tracking and locations align with sets in fishing log books? VMS? Plotter?
- Use an expert if you want to use as evidence







### **Evaluate and Compare Records**

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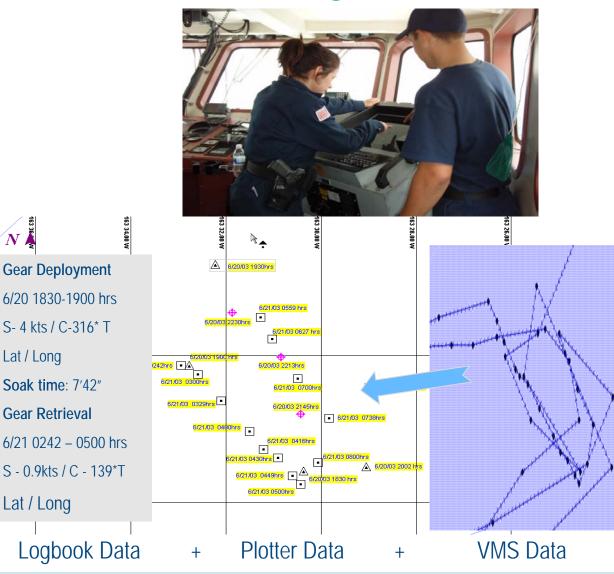
Ask the master lots of questions about their trip and activities. Where did they fish? How many sets did they do? Did they catch as much as they expected? What was the weather like?

There may be substitutes for the real records, so <u>always</u> be on the lookout for hidden /duplicate logbooks or catch records.

Compare other records, such as FAD logs, engineering logs, captain and fish master logs/journals to official logbook records.



### Validate data against other data



Electronics – GPS, Plotters, Fish Finder – All tells a story of where the vessel has been operating and should validate each other.

Inspections allow full review and access to documents onboard a fishing vessel -Captain logs, Navigation logs, Fishing Charts, Captain's personal logs, Fuel receipts, Transshipment logs

- do they tell the same story?



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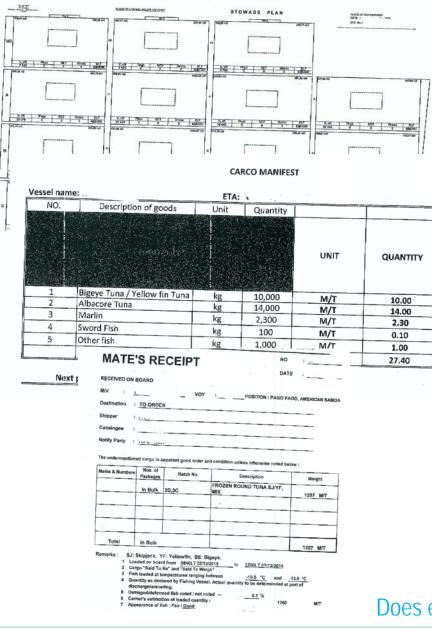
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# Analyze transshipment data and verify accuracy against logbooks and electronic data



What Species, by quantity and product type, was transshipped? When and Where was it Transshipped? Who was the source and who did it go to? Is it fully documented? Do vessels have the necessary authorizations for the transshipment?





#### Carrier Vessels

- Review the Transshipment approvals, storage plan, cargo manifest and mate's receipts to identify all product / catch onboard and it's source.
- Captains statements certifying tuna as dolphin safe.
- If possible, verify names of delivering vessels against RFMO IUU Vessel Lists.

#### **Fishing Vessels**

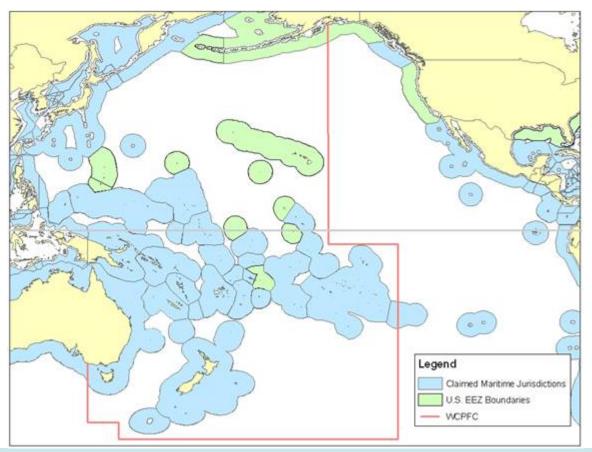
 Review the Transshipment approvals and logbook records to identify fishing vessels that delivered harvested catch.

Does electronic data verify logs concerning location of activity?

### Identify all areas of transshipping and/or fishing for compliance with applicable rules, regulations, RFMO CMMs and relevant authorizations

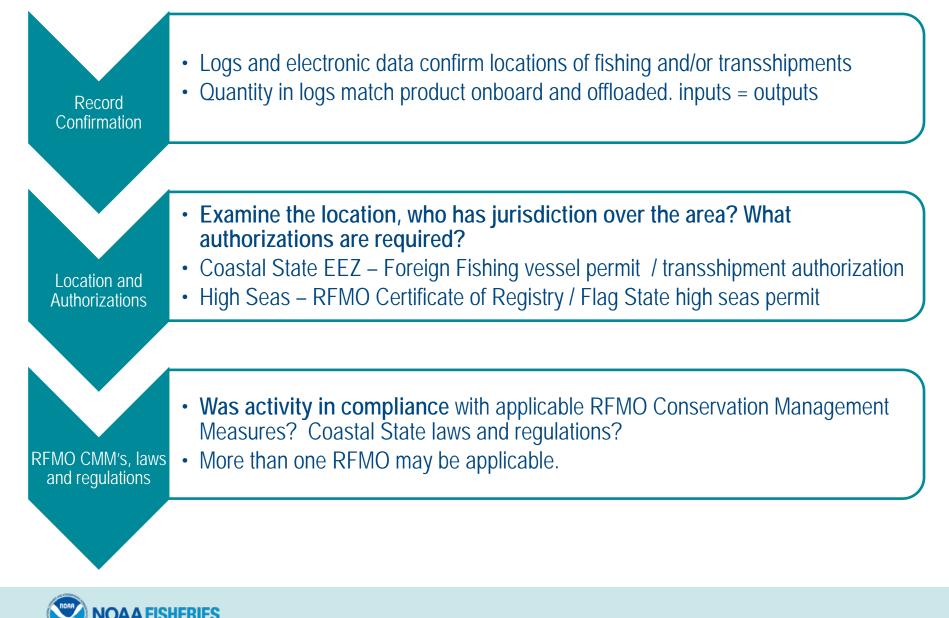
For each area where fishing or a transshipment occurred, does the vessel have a valid:

- High Seas Permit,
- Foreign Fishing Vessel License issued by the Nation State for each EEZ fished,
- RFMO Authorization





## **Location & Compliance Verification**



# Compare logbook catch information against fish in holds or monitored offloads for accuracy.





#### Review the Catch onboard and compare to records

Conduct an inspection of the vessel's holds, fridges, freezers, deck and below decks area to assess the quantity and type of catch on-board.

Check the general layout of the vessel and the dimensions of holds and look for any evidence of hidden holds or hidden compartments within holds.

Records quantities of non-target catch and prohibited catch or fish parts.

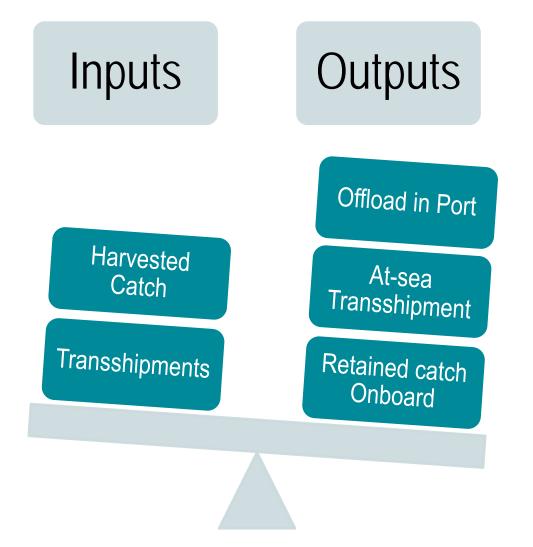


Verify against your inspection notes concerning catch onboard the vessel and from the offload.

Ask questions about any discrepancies or unusual findings or observations.



#### Audit the quantity and species of fish and compare to vessel records.



Determine the total catch obtained using fishing logs and transshipment data (received catch).

Determine the total catch offloaded and/or retained by the vessel.

Compare the two quantities to ensure accurate reporting by: Species Weight Product types



# Review

The purpose and goal of each inspection is to:

- Collect and verify the vessels information,
- Collect and verify the owner and crews information,
- Review the authorizations for fishing,
- Review and analyze the vessel logs and other documentation to determine where the product was harvested or received,
- Compare the logs and documentation of catch to electronic data,
- Compare the harvest / transshipment with authorizations and laws, regulations and RFMO Conservation and Management Measures.
- Compare harvest / transshipment records to the catch held onboard and / or offloaded.

In completing these steps you will validate each piece of data by comparing to other data and observations during the inspections. If data cannot be verified or does not match, further investigation is needed to determine the legality of the harvest and transshipments as best you can.



Each document is like a page of a book that collectively tells the story of where the vessel has been and what it did.

Know what documents and records exist and where to find them.

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