#### SPC/FFA REGIONAL LONGLINE FISHERIES

#### **Trip Preparation Page**

A few words of preparation: Remember it is the responsibility of contracted observers to ensure they are properly prepared for their trips – to be in good health, good mind, up to date with current requirements and to have all necessary **forms** and equipment.

At the start of each trip it is imperative to check that all the following items are available for the trip:

	Tick a box only when you are sure you have that item.	Forms version should be "Revised Mar. 2014"
1.	One of these <b>Observer Workbooks</b> for every 15 days at sea	
2.	Sufficient <b>Catch Monitoring Forms LL-4's</b> for the trip (30 sheets per pad)	
3.	Extra pads of <b>LL-2/3</b> as required (30 sheets per pad)	
4.	Sufficient <b>Observer Journals</b> (normally 30 pages per Journal)	
5.	Two blank <b>notebooks</b> (preferably waterproof)	
6.	One box of <b>pens and pencils</b> (should contain at least 10 X 2B pencils, 2 x erasers, 1 x pencil sharpener, paper clips, 2 x pens, 2 x waterproof felt pens, 1 x small straight-edge ruler)	
7.	One calculator	
8.	One set of fish-measuring callipers/ and or board.	
9.	A suitable chart	
10.	Your personal requirements	
11.	Your personal requirements	
12.		
13.		
14.		
1.5		

Being prepared from the start will make a trip far easier and more pleasant and far more effective.



## OBSERVER PROJOURNALGRAMME FIELD DATA COLLECTION INSTRUCTIONS

(Read these regularly)

## Ensure that your observer trip I.D. number\* is recorded on every form, your journal and any other sheets containing information relative to the trip.

- 1. Please write clearly unreadable data are of no use. Use a sharp pencil and keep a spare sharp pencil handy. For waterproof paper and plastic boards write with a soft (#2 or #2B) pencil. An eraser should be used to correct errors on the day of entry only.
- 2. If using a camera the first photograph on each film should be of a piece of paper with the observer trip ID number written in very large numbers, with the date the photograph is taken written underneath. For a clear picture keep the camera at least 1.5 metres from the paper. Use a waterproof felt-tip pen to record the observer trip ID number on the metal casing of any films used or on the outside of disposable cameras used.
- 3. Always carry a notebook (preferably waterproof) and pencil with you on deck.

  Note information as it happens and transfer to forms or diary once inside.

  After information is in journal draw a single neat line through notebook entry to show it is done.
- 4. Unless otherwise stated, make only one (the best) choice when using the codes to record data.
- 5. Everything you write on the forms should be <u>printed</u>. Always be conscious about being neat.
- 6. Number the pages in your journal. Think of something to write in it every day. Don't forget to start each day's entries with the date.
- 7. Notes and comments are good but, on forms, restrict these only to the areas for that purpose. If there is not enough space to write all that is useful or interesting on the form, make a short note and continue in the journal. Record journal page number next to the short note on the form.
- 8. Observe and record data accurately. Extra notes and explanations should be simple and clear. Record data as it happens. All data should be entered the same day trust nothing to memory.
- 9. Make sure forms are filled in the right order. If a form is accidentally left blank and one after it is filled instead, do not go back to fill the blank form later. If a blank form is discovered between filled forms, draw a thick line diagonally across the page and write "missed" on it.
- 10. Do not make any changes or corrections to data after the day it is recorded. If a mistake is discovered later, draw a neat circle around it and write:
  - "Mistake correct entry is ??? (whatever it is). See journal page No. ??" at the top of the form. Comment in the journal why it was a mistake and how it was discovered.
- 11. All compass readings are to be degrees true. Do not use magnetic readings. (Note: true north is 000 degrees).

#### \* UNDERSTANDING OBSERVER TRIP ID NUMBERS

The <u>observer trip ID number</u> is issued by the authority that authorised the observer trip. It is unique to one ever single observer trip. It should be recorded on any piece of paper with information related to that trip so that no matter where that paper finishes up it can always be traced to that specific trip.

If an observer from a National Observer Programme works in a regional programme for a trip or two, then the observer should use the Observer Trip ID Number provided by the regional programme and not one from the National Programme. If a national programme insists on recording their number (as occasionally happens) record it on the front of this workbook only - in the second (smaller) space provided for a second trip ID number. BUT record the correct regional programme number on all other forms etc., as usual.

N.B.: all observer trips in the region are recorded on the OFP regional database using both the number given and a number made up of: 1) a unique 3-letter code issued to every observer in the region, followed by a space; 2) then two digits for the year, followed by a dash; 3) then two digits that show the number of observer trips that the observer has started that year.

(For example, Albert Einstein, starting his ninth trip in the year 2001 would have the observer trip ID number: ABC 01-09.)

This is also the format used by several national programmes. It has the advantage that an observer knows these things and so knows the trip ID number without having to ask. If the number given does not use this format and the second space is not otherwise needed for a differently formatted number given by a National Programme, then the observer could record this format in the second space.

## SPC/FFA REGIONAL OBSERVER OBSERVER PLACEMENT MEETING RECORD

REV MAR. 2014

#### TRIP DETAILS

		IRIPUI		. <b>3</b>					
OBSERVER NAME		TRIP STAI	RT LOC	ATION	TRIP START DATE (YY/MM/DD)				
OBSERVER TRIP ID NUMBER		ESTIMAT	ED TRIF	P END LOCATION	VESSEL GEAR				
VESSEL NAME	FLAG	FLAG				UVI and /or IRCS			
VESSEL SIZE: circle to indicate	< 16 metres	16-25 meters		26-39 meters 4		0-65 meters	> 65 meters		

#### **OBSERVER PLACEMENT CHECKLIST**

A Fisheries Authority Representative is to assist the observer, before and during boarding, as well as over see that information is recorded and actions taken as prescribe in this form. Please intial the space at the left of each number item to show it has been completed.

completed		
	Inital :	Placement Officer to initial when they have:
1		Set up the placement meeting
2		Assisted the observer with their personal requirements before boarding
3		Checked that the observer has been assigned appropriate accommodation and an area to store their equipment
4		Carried out a vessel safety check in the presence of the observer and Captain
5		Ensured that the Captain receives and understands the attached description (checklist) of standard observer duties and vessel obligations
6		Ensured that both parties are informed of their rights and responsibilities under CMM 2007-01 (Show and, if necessary, supply copy)
7		Carried out a vessel safety check in the presence of the observer and Captain
8		Reminded the observer of their obligation to work with the crew as best they are able.
9		Reminded the Captain and Observer of importance of cooperation
10		Supplied or informed the Captain of the "Vessel on Observer Report" form
11		Informed the Captian and Observer than an observer-debriefing meeting will take place immediately upon return to port at completion of trip
	Inital :	Observer to initial when they have:
12		Clearly described any special sampling requirements to the Vessel Captain

	Inital:	Observer to initial when they have:
12		Clearly described any special sampling requirements to the Vessel Captain
13		Been present at the Vessel Safety Check and have agreed to board the vessel
14		Informed the Captain of any special medical issues; and supplied contacts details for their next of kin
	Inital :	Vessel Captain to initial when they have:
15		Read and understood the "Obligations of the Vessel Operators to Observers"
16		Shown the observer all current and valid license certificates
17		Shown the observer the location of their life jackect
18		Informed the observer of all safety regulations, procedures and muster stations
19		Shown the observer which electronic bridge equipment is used and which is not used
20		Shown the observer how to obtain position and UTC time from the onboard GPS and plotter to which they have access to during the trip
21		Understood that offering excessive alcohol to observers may interfere with their work duties and general conduct; and be aware that many observers are required by their programmes' Code of Conduct not to drink alcohol at any time while onboard the vessel

#### Rev. March 2014 Notes for the VESSEL CAPTAIN on the OBSERVER PLACEMENT

An observer's primary function is to collect and report reliable and accurate information for scientific, management and compliance. Observers collect data on any fish, including catch and effort, size composition, position, fishing methods, fisheries interactions, environmental impace, processing and distribution (including discards) and any other matter tht may assist fisheries managers verify infomation for purpose of administering fisheries regulations, license requirements and access agreements.

The observer duties and their obligations, along with the obligations of the vessel operator to the observers are described below. A thorough understanding of these by both the vessel operator and the observer will help ensure an effective working arrangement while on board.

$\rightarrow$	Vessel Captain please read and initial when the obligations of both parties is understood	INITIAL
	OBSERVER'S DUTIES AND OBLIGATIONS	
1	Must promptly report any harassment they were subjected to (including a written report to their fisheries authority representative or when not available the nearest Police station)	
2	May take, measure and retain samples or specimens of any fish	
3	May observe and record details of any incidental take, including the recording of set position information	
4	May record position, activity and identification details of other vessels sighted	
5	May use communications and other equipment of the vessel but should get permission from the Captain before using it	
6	Should not be involved in the fishing operations but may assist in normal vessel housekeeping duties	
7	Should not stand watch on the vessel	
8	May take photographs of the fishing operations, including fish, gear, equipment, documents, charts and records, and remove from the vesel such photographs or film as was taken or used onboard	
	OBLIGATIONS OF THE VESSEL OPERATORS TO THE OBSERVER	
9	Ensure vessel personnel do not assault, obstruct, resist, refuse boarding to, delay, intimidate or interfere with an observer performing observer duties	
10	Provide access to the bridge, communications and navigation equipment	
11	Instruct observer on use of vessel communications equipment to receive and transmit message with the shore, Fishery Authority and other vessels	
12	Assist observer as requested, in recording accurate vessel position using vessel navigation and positioning equipment	
13	Provide access to areas where fish are held, processed, weighed or stored	
14	Allow observer access to document and records, including all logbook for purpose of inspection and copying	
15	Allow observer to remove samples	
16	Ensure vessel personal do not assuault, obstruct, resist, refuse boarding to, delay, intimidate or interfere with an observer performing observer duties	
17	Show the observer appropriate vessel safety procedures and location of various safety equipment (life rafts, life jackets, etc) and how to use such equipment in the event of an emergency	
18	Advise the observer of dangerous work areas and instruct the observer on how to minimise exposure (e.g. hard hat) to danger yet still do their work	
19	Provide the observer with food, clean bunk space large enough for a national observer and any necessary medical facilities and treatment in the course of the observer trip and up to two full days after landing in port.	
20	Provide space for the storage of observer equipment, supplies and samples	
21	Vessel operators and owners should be fully aware that any instance of reported observer harassment will be fully investigated and, if warranted, legal action will follow, which may include civil and criminal penalties	

### SPC/FFA REGIONAL OBSERVER

FORM	SUP-1	(pg2)
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REV M	OBSERV AR. 2014	ER PLACEMENT	MFFL	ING I	KECC	טאט
	RVER NAME	VESSEL NAME				OBSERVER TRIP ID NUMBER
	· ·	VCPFC VESSEL SA	FETV	СНЕ	CK	
	•	CIFC VESSEL SE		IRCLE C		COMMENTS
1 \	VESSEL SURVEY DOCUMENTATION	ON (Current)	Yes	No	N/A	
2 (	CORRECT SIZE PERSONAL FLOATATION	ON DEVICES AVAILABLE	Yes	No	N/A	
_	APPROVED LIFERAFT OR LIFEBOATS SURVEY AND ADEQUATE FOR NUMBI		Yes	No	N/A	
<b>4</b> E	EPIRBS (Current Survey)		Yes	No	N/A	
<b>5</b> [	DISTRESS SIGNALS AND FLARES		Yes	No	N/A	
<b>6</b> F	FIRE FIGHTING EQUIPMENT IN GO	OD ORDER	Yes	No	N/A	
<b>7</b> i	FIRE EXTINGUISHERS (Current Ch	ecked)	Yes	No	N/A	
8 1	MARINE RADIO HF SSB or SUBITUTE (	COMMUNICATIONS	Yes	No	N/A	
1 0	NAVIGATION LIGHTS / VESSEL LIG	HTS (Working Order)	Yes	No	N/A	
10 3	SOUND PRODUCING DEVICES OF	R BELL	Yes	No	N/A	
11	REGISTRATION DOCUMENTATION	I IN ORDER	Yes	No	N/A	
	OTHER WORK RELATED VESSEL COULD BE UTILISED IN CASE OF		Yes	No	N/A	
<b>13</b> 1	NAUTICAL CHARTS AND NAVIGATION	AIDS (GPS/RADAR)	Yes	No	N/A	
<b>14</b> F	FIRST AID EQUIPMENT		Yes	No	N/A	
15 3	SANITATION		Yes	No	N/A	
16	PHONE		Yes	No	N/A	
	EMAIL / FAX		Yes	No	N/A	
	NSURANCE FOR OBSERVER WH	II ST ON BOARD	Yes	No	N/A	
	VESSEL INSURANCE	ILST ON BOARD	Yes		N/A	
	ROOM FOR CREW AND OBSERVE		Yes		N/A	
ACK	NOWLEDGED (Observer Placem	ent Meeting Record - page	1 and pag	e 2, from	nt and b	ack read/ initaled/ accepted)
	OBSERVER NAME		SIGN	IATURE		DATE
F00-	TI CADTAIN					
⊏SSE	EL CAPTAINNAME		SIGN	IATURE		DATE
ISHII	NG MASTER (if any)					
	NAME FISHING AUTHORITY		SIGN	IATURE	<u> </u>	DATE
REPR	RESENTATIVE NAME		SIGN	IATURE	=	DATE
	RPRETER		Sign	., . 1 OILE	-	DAIL
(	if any) NAME		SIGN	IATURE	<u> </u>	DATE
REDE	FISHING AUTHORITY RESENTATIVE		INERPRI (if an			
<u>.</u> г	POSITIO	 N	(II dii	<i>3  </i>		POSITION

#### **EXPLANATION ON VSC REQUIREMENTS**

The fields in this form may be used to check safety, on whether an observer is safe to board the vessel.

- 1. **VESSEL SURVEY DOCUMENTATION CURRENT** Fishing Vessels and support vessels operating in the WCPFC must comply with their Flag State regulations and/or the Code of Practice for Safety. Ship surveys including condition, safety and security aspects of hull, machinery and on board safety equipment must be available to be viewed
- 2. CORRECT SIZE PERSONAL FLOATATION DEVICE AVAILABLE Life Jackets must be approved types and in good serviceable condition, Life Jackets of suitable sizes must be readily accessible for the observer and all crew. Life jackets will not be stored away or locked in cupboards or rooms.
- 3. APPROVED LIFE -Life rafts must be currently in survey and be adequate to carry the amount of crew including the observer
- **4. EPIRBS** International Standard 406 MHz EPIRB. The signal frequency (406 MHz) has been designated internationally for use only for distress. Check to see the frequency number and position of these EPIRBS, a few vessels may have the older relatively common type of 121.5/243 MHz emergency beacons, these became obsolete in late 2008
- 5. DISTRESS SIGNAL AND FLARES. Vessels should have on board appropriate pyrotechnics devices that will suitably operate in both day and night emergency situations
- **6. FIRE FIGHTING EQUIPMENT** Fire fighting must be readily available, be able to work and be currently serviceable. Note that some small vessels may only have fire extinguishers on board.
- **7. MOUNTED FIRE EXTINGUISHER,** Fire extinguishers must be readily available and be of the correct type. Portable extinguishers require periodic maintenance therefore the last inspection date when last tested or refilled should be available. All must be currently serviceable and if possible should be checked to ensure extinguishes have not been fully or partially discharged.
- **8.** MARINE RADIO HF SSB(WORKING ORDER) Marine SSB (Single Side Band) is a means of communications for many fishing vessels. The radio must be capable of transmitting and receiving frequencies used for emergency marine communications as agreed by the International Telecommunication Union (ITU) or by the Flag State of the vessel.
- **9. NAVIGATION LIGHTS AND VESSEL LIGHTS** Vessels must be able to display international standard navigation lights between sunset and sunrise and in conditions of reduced visibility. Internal and external vessel lighting must be fully operational. In the case of power failure, battery operated safety lights must be appropriately placed to ensure a safe exit from the vessel
- 10. SOUND PRODUCING SIGNALS OR BELLS Vessels must carry a sound producing device (whistle, horn, siren or bell) capable of a prolonged blast or ringing for distress signaling purposes.
- 11. REGISTRATION DOCUMENTATION IN ORDER Flag State Registration documentation papers must be on board and available to be viewed and must show registration number, boats name, country and port of registration.
- 12. OTHER WORK RELATED VESSELS Many vessels have auxiliary vessels that can be used in emergency situations. Note these.
- 13. .NAUTICAL CHARTS AND NAVIGATION AIDS Vessel must have a set of appropriate, up to date nautical charts. Check to ensure that the Radar, GPS and any other navigational equipment is in good order and functioning.
- 14. FIRST AID EQUIPMENT The vessel must have adequate first aid facilities with current "use by dates" on all apparatus, drugs, dressings and other first aid paraphernalia.
- **15. SANITATION** The vessel should have clean, well maintained sanitation and bathing facilities. Depending on the size of the vessel, observers may experience a lack of these facilities on board.
- **16. PHONE** if the vessel has a satellite phone note the number for future reference.
- 17. EMAIL/FAX If the vessel has Fax or Email system note the numbers for future reference or emergencies.
- 18. INSURANCE FOR OBSERVERS ON BOARD Observers must be covered by insurance before making a boarding
- 19. VESSEL INSURANCE Check if vessel has insurance
- 20. ROOM FOR OBSERVER AND CREW TO WORK SAFELY. There must be adequate room on board the deck for the Observer and Crew to work in such a manner, so as to not hinder each other in their respective work duties.

#### SPC/FFA REGIONAL OBSERVER **FORM SUP-2 WORKBOOK REFERENCE PAGE** for longline REV MAR. 2014 TRIP DETAILS OBSERVER NAME TRIP START LOCATION TRIP START DATE (YY/ MM/DD) VESSEL NAME TRIP END LOCATION TRIP END DATE (YY/MM/DD) OBSERVER TRIP ID NUMBER OBSERVER PROGRAMME DETAILS Name of placement observer programme Name of observer's national programme Cross-endorsed trips: Programme Name and Trip Id Number SPECIAL PROJECTS Special Projects: Name and Reference Number Special Projects: Name and Reference Number FORMS MANAGEMENT **FORMS TYPE** NAME OF FORM How Many? SUP-1 (page1) Observer Placement Meeting Record Form (pg1) SUP-1 (page 2) Observer Placement Meeting Record Form (pg2) SUP-2 Workbook Reference Form LL-1 Longline General Information LL-1 (page2) Longline General Information (pg2) LL-2/3 Longline Set and Haul Information LL-4 Longline Catch Monitoring GEN-1 Vessel and Aircraft Sightings/ Fish Bunkering & Other Transfers GEN-2 Species of Special Interest GEN-3 Vessel Trip Report - you must fill in this form! GEN-4 **Conservation Factors** GEN-6 Pollution Report SUP-3 Trip Reconciliation Form SUP-4 Advances and Claims Forms TAG Tag Recovery Forms (single and mutliple tags) JOU Journal (RECORD TOTAL NUMBER OF PAGES) RPT Trip Report Submitted Yes or No \*\*\* Observers are not required to fill in the shaded areas below\*\*\* **DEBRIEFING DETAILS** NAME of PRE-DEBRIEFER NAME OF DEBRIEFER DATE of PRE-DEBRIEFING DATE OF DEBRIEFING PLACE of PRE-DEBRIEFING PLACE OF DEBRIEFING WORKBOOK TRANSFER

YES or NO

Print Version 3

WAS THIS COPY DEBRIEFED BEFORE TRANSFER?

DATE TRANSFERRED

# CHANGES TO THE LONGLINE OBSERVER FORMS AGREED AT THE 9<sup>TH</sup> TUNA FISHERY DATA COLLECTION COMMITTEE (DCC) MARCH 2014<sup>1</sup>

- 1. Welcome to the revised (March 2014) edition of the Longline Observer Workbook. Please note the new features of the workbook.
- 2. Forms that were not coded previously have now been assigned a code (SUP supplementary) and been revised. These include the Placement Form (SUP-1), the Workbook Reference Page (SUP-2), The Trip Reconciliation Form (SUP-3), and the Advances and Claims Form (SUP-4)
- 3. The Placement Form has been added to the start of the workbook and printed on colour pages. We encourage all observers to request boarding are done through an official placement meeting and that the WCPFC vessel safety check is carried out.
- 4. The new Workbook Reference Page allows the observer to record all details of the trip on one form, including any secondary trip or project codes. A form management area has been taken from the trip report and included here. This form must be filled in. However, the observer does not have to fill in the two shaded areas data field areas for debriefing and workbook transfer.
- 5. A code page is included. For longline observers codes for species of special interest and countries are listed here.
- 6. The trip report has been removed from the workbook. There is a separate booklet. Remember to fill it in and submit it.
- 7. Observer journals are now printed as a regional standard blank A4 booklet. Ask your Coordinator for one.

# CHANGES TO THE LONGLINE OBSERVER FORMS AGREED AT THE 9<sup>TH</sup> TUNA FISHERY DATA COLLECTION COMMITTEE (DCC) MARCH 2014<sup>2</sup>

#### LL-1 (pg-1) GENERAL INFORMATION

#### Modified data fields

**Observer Programme:** Whenever possible, the observer forms use existing data standards like the FAO standard for species codes. Standards issued by the International Standards Organisation (ISO) are also used. Observers deployed by national observer programmes should use the ISO standard for country codes along with the acronym 'OB' to denote observer programme. (Example: SB + OB is SBOB for the Solomon Island Observer Programme)

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date - the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/09/23 - 09:15.)

**Advances in Technology:** Under the electronics section, the data fields previously labelled 'new' have been re-named as 'advances in technology' to better reflect the information that is being requested. Observers are asked to record any brand new types of electronics that they see in these data fields. They are also asked to record any electronics which have significant technological advances. This data field will often be blank, as brand new types of equipment or significant electronic advances don't happen that often. This data field must not be used to record 'other' types of equipment that are not pre-listed on the form (like old radios for instance). Use the comments field to describe the advances in technology and continue the description into the journal.

**VMS system:** The data fields for the VMS system were modified with the word 'system' moved outside the data field box and the numbering moved inside the box. There is no change to the information observers need to record.

<sup>&</sup>lt;sup>1</sup> Observers are strongly encouraged to read the form instructions to better understand what data needs to be recorded. These notes are only to help observers identify the changes that were made to the forms.

**MTU:** The MTU (mobile transceiver unit) has been removed from the usage data column. Observers are now asked to record the usage for all VMS systems.

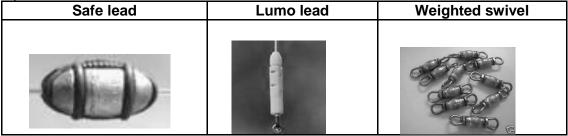
Waste disposal system: The 'waste disposal' data field has been edited and it now reads waste disposal system. Observers are asked to describe all aspects of the waste disposal system. A system includes both the equipment and the procedures used to manage waste; most especially any marine species waste. This includes any equipment for compacting or burning general waste. More importantly on longliners it includes any equipment for pulping or breaking down unwanted dead fish (this includes any parts of dead fish or the bait). And any procedures that are were used to dispose of this fish waste. Pay attention to when the fish waste or offal was disposed from the boat i.e. during setting or haul and from what side of the boat it was discharged.

#### New data fields

**UVI:** The Unique Vessel Identifier is being introduced by the WCPFC as the preferred vessel identification number. All vessels over 100 GRT fishing in the WCPFC zone (so most purse-seiners) will be required to have this number by 1<sup>st</sup> Jan 2016. It is likely that observers will see this vessel identification number appearing on vessel paperwork (licensing certificates etc.) before then. The UVI is issued by the International Maritime Organisation (IMO) or through the Lloyd's Register (LR).

**Branchline weights Y/ N:** Circle Y for yes, to indicate if the vessel has branchline weights at the end of the branchline. Normally the branchline weights will be placed near the hooks. Some examples of branchline weights are shown here. Weighted swivels can also act as branchline weights as long as they are placed near the hook and weigh at least 40g. If you do see branchline weights describe the type of weights in the journal and weights report.

and written report.



**Weight of branchline weights:** Record in grams the total weight of the average branchline weight. The weight in grams may be written on the side of the weight.

**Distance of weight to hook:** Record in centimetres the distance of the branchline weight to the hook. Hint – there is a small ruler in the terminal gear guide.

#### Removed data fields

**Seals intact Y / N / N/A:** VMS systems have evolved over time. The current models of VMS don't always have a seal, so the DCC decided it was appropriate to remove this data field.

**WIN #:** The WIN number or WCPFC Identification Number does not always appear on vessel's paperwork. In the future the WCPFC will put more emphasis on using the UVI as the main vessel identification number. For this reason observers are no longer required to record the WIN number. The IRCS (which was in the data field with WIN #) has not been removed.

Other storage (describe): This data field has been removed. If an observer sees a different type of storage system (not included in the list of refrigeration systems) this can be recorded in the journal and the written report.

#### LL-1 (pg-2) GENERAL INFORMATION

No changes for the LL-1 page 2 form, although the Form indicator was added to the top of the form.

#### LL-2/3 - SET and HAUL

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/10/23 - 09:15.

#### New data fields:

Was Offal Discharged during Setting or Hauling?: CMM 12-07 requires longline vessels to apply a number of mitigation measures; one of these is that they manage their discharge of fish offal. Fish offal is any dead fish

or any parts of dead fish that are thrown overboard. This may include fish that were landed onboard, but also fish used as bait. Observers are asked to indicate by circling Y for yes, and N for no if the vessel threw any fish offal overboard at any stage during the setting or hauling. More information on the discharge of any fish offal at any time during the trip should be recorded in the journal and summarised in the trip report at the end.

Removed data fields:

No data fields were removed.

.....

#### REMINDER!

#### **Unusual Set Details**

The DCC noted that observers are not filling in the unusual set details data field correctly. As a reminder here are the correct procedures for filling in the unusual set details data field.

Observers should fill in the normal setting specification into the data fields. If the vessels deliberately changes some parts of the setting specifications during the setting observers should continue to record the normal setting specifications into the data fields and explain any of the deliberate changes to the normal specifications in the unusual set details data fields. In the example below the vessels attached 30 hooks into every basket, except for first 10 baskets (at the start of the setting) and the last 10 baskets (at the end of the setting). In this case the longline set specifications would be:

LONGLINE SET SPECIFICATIONS											
No. OF HOOKS PER BASKET	30	LINE SETTING SPEED - m/s kts (circle one)	6	VESSEL S	5.5						
TOTAL No. OF BASKETS	85	BRANCHLINE SET INTERVAL (s)	5	SHARK LINES on floats (Hook N			o.99s)				
TOTAL No. OF HOOKS	2250	BETWEEN BRANCHLINES (m)	30	Number.:	0	LENGTH (m):					
LENGTH OF FLOATLINE (m)	20	LENGTH OF BRANCHLINES (m)	11	WERE	TDRs DE	PLOYED?	Y / N				

#### And the Unusual Set Details would be

UNUSUAL SET DETAILS	For the first 10 baskets and the last 10 baskets there was
only 15 hooks in a basket, but the rest of the	baskets had 30 hooks. The total number of hooks was
(65 X 30) + (20 X 15) = 2250	

.....

#### LL-4 CATCH MONITORING

#### Modified form

**Numbered:** Each line on the form was numbered on the left-hand-side to help with data entry. This should not affect observers in anyway.

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/10/23 - 09:15).

#### Removed data fields:

**Blank data field:** The blank data field that had been left open for any special project labelling etc. was removed as these types of projects don't happen very often and the space on the form was lost to observers during regular trips. Observers are now asked to record any project numbering / labelling and tag numbers in the comments column.

## GEN-1 VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS Modified form

**Numbered:** Each line on the form was numbered on the left-hand-side to help with data entry. This should not affect observers in anyway.

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/10/23 - 09:15).

**Fish Transferred:** Fish type / units (amount). Trans-shipment at-sea is illegal, however longline transshipments within the EEZ are permitted by a number of countries. The 'fish transferred' data fields were originally designed to capture transfers of fish from fully loaded purse-seiners and were not suitable for fish transferred from longliners. These data fields have now been modified to capture transfers from longliners. The data field header for 'mixed' fish (useful for recording purse-seine catches) has been removed and has been left blank. The blank header can be used to record ALB for longline transfers, or the word 'mixed' can be filled in for any purse-seine or pole-and-line transfers. Additionally, the unit for quantity needs to be circled. Please circle either weight (WGT) normally for purse-seiners or number (NO.) normally for longliners.

New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

#### GEN-2 SPECIES OF SPECIAL INTEREST

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date - the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/9/23 - 09:15).

**Species Code and Species Description:** These data fields have been moved to the top of the form. Don't miss them!

#### **Describe Interaction/ Treatment / Release:**

#### SPECIES LANDED ON DECK:

The data field that was previously titled "Describe on-board handling" and was placed under the "Species landed on Deck" section has been edited and the type of information required has been extended. The data field now reads 'describe interaction/treatment/release'. If extra space is required the information can be continued into the observer journal.

Describe Interaction and if relevant any treatment and release:

#### INTERACTIONS WITH VESSEL OR VESSEL GEAR:

The data field that was previously titled "Describe the interaction" - under the section 'interactions with vessel or vessel gear" section has been edited and the type of information required has been extended. The data field now asks observers to 'describe interaction and if relevant any treatment and release'. If extra space is required the information can be continued into the observer journal.

#### New data fields:

**Time of Observer First Sighting:** Observers are asked to note the time when they first sighted the species of special interest. This might have been well before any set was made or not until it was landed on deck etc. Record the time you <u>first</u> sighted the SSI. It doesn't matter if a crew member mentions they saw it earlier, the time to record is the time the SSI was first sighted by the observer.

Did the observer sight the SSI before the set?: Observers are asked to note if they sighted the SSI before the set. This gives some indication if the vessel was also able to see the SSI before they made a set. Simply circle one of the options to note if you did see the SSI before the set: (Yes), (No) or (No set) if there was no set.

#### Removed data fields:

No data fields were removed.

**Species Codes:** While these are actually data fields observers are informed that the species codes at the end of the forms have been removed to make more space for recording information. These codes can now be found in the workbook on the 'Codes' page.

#### **GEN-3 VESSEL TRIP REPORT**

#### **Modified form**

Name change: The title of the form was changed from 'Vessel Trip Monitoring Summary' to 'Vessel Trip Report'

**Two pages:** A second page was added to the form to help extend the information that is immediately available to persons responsible for monitoring vessel infringements and viewing the GEN-3 form. Where previously there was a half-page for comments on the back of the GEN-3 form, this has been removed and there is now a full extra form page.

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date - the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/9/23 - 09:15).

**SSIs:** The section for SSIs (species of special interest) includes a bracketed sentence to update what marine species are considered to be species of special interest. Since the introduction of CMM 2011-04 and CMM 2013-08 certain shark species (oceanic white tip and the silky shark) are considered to be SSIs, along with whale sharks. The revised sentence in brackets now reads (e.g. Marine mammals, turtles, seabirds or protected sharks).

#### New data fields:

**UVI:** The Unique Vessel Identifier is being introduced by the WCPFC as the preferred vessel identification number. All vessels over 100 GRT fishing in the WCPFC zone (so most purse-seiners and some larger longliners) will be required to have this number by 1<sup>st</sup> Jan 2016. It is likely that observers will see this vessel identification number appearing on vessel paperwork (licensing certificates etc.) before then. The UVI is issued by the International Maritime Organisation (IMO) or through the Lloyd's Register (LR).

#### Removed data fields:

**WIN #:** The WIN number or WCPFC Identification Number does not always appear on vessel's paperwork. In the future the WCPFC will put more emphasis on using the UVI as the main vessel identification number. For this reason observers are no longer required to record the WIN number.

#### **GEN-4 CONVERSION FACTORS**

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date - the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/9/23 - 09:15).

#### New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

#### **GEN-6 POLLUTION REPORT**

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is standard 8601 and it requires that when recording the date - the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/9/23 - 09:15).

#### New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

#### **SUPPLEMENTARY FORMS**

**New:** The DCC found that a number of forms were not getting the attention they deserved from the DCC Form Committee and were often over-looked during the revision process; as they were not considered to be DCC forms. For that reason some forms were re-labelled as supplementary forms and coded SUP. A new form – the Workbook Reference Page was also developed.

#### **SUP-1 PLACEMENT**

This form should be filled in by the Placement Officer and return to the observer programme by the Placement Form.

#### SUP-2 WORKBOOK REFERENCE PAGE

This is a new form. However, the majority of the data fields have been taken from different areas of the 2009 forms, trip reports etc and compiled here.

Note at the end of this form there is a grey area for debriefing details and workbook transfer. The observer does not need to fill these in.

#### New data fields

**Cross- endorsed trips: Programme Name and Trip Id Number:** Fill in a second trip identification number if you trip crosses into a new jurisdiction and the trip is recognised by a new observer programme / regional fishery management organisation (i.e. IATTC).

**Special Projects:** Name and Reference number: If you are involved in any special sampling project record the name of the project here any reference number you may be issued with.

#### **SUP-3 TRIP RECONCILIATION FORM**

#### Modified data fields

None

#### New data fields

There are no changes to this form; except for the fact that it has been re-labelled as a supplementary form.

#### Removed data fields:

The observer expense claims for reimbursement data fields, which were on the back of the Trip Reconciliation form have been removed and placed on the Advance and Claims form.

#### SUP-4 ADVANCES and CLAIMS FORM\*

Note: The fact that there is an advance and claim's form doesn't mean that observers are entitled to advances. Some observer programmes do not authorise advances for their observers, but make different arrangements for their travelling observers. Make sure you understand your deployment authorities' rules and advice on advances.

#### Modified form

This is a new form; although a lot of the data fields have come from the back of the 2009 Trip Reconciliation Form.

#### New data fields

**Observer Trip ID No:** Fill in your normal observer trip identification number here. This will be supplied by the authority placing you on the trip.

Name of observer programme or Fishing Company making advance. As described by the data field record the name of the observer programme or the fishing company that gave you the advance. Do not use any letters as part of the name (e.g. write Kaosaong Fishing Company Limited and not KFCL)

**Name of Person providing advance:** Write out the <u>full name</u> of the person that provided you with the advance. Use extra lines if required.

**Signature (of person making advance):** Ask the person giving the advance to sign every time they make and advance.

**State TYPE OF ADVANCE (i.e. cash, other):** Note if the advance was cash, cheque, bank transfer. If it was another type of payment please specify and make more comments in your journal.

**Currency:** Record the currency of the advance i.e. US dollars, Australian dollars.

**Amount:** Record the amount of the advance to two decimal places.

#### Removed data fields:

No data fields were removed.

OBSERVER	SPC/FFA REGIONAL LONGLINE OBSERVER
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FORM LL-1 (pg1)

٦	TRIP DI	ETAILS																		
NAME						YY	TRIP STAR M M						RT LOCATION							
OBSERVER	NATIONALITY TRIPID No.				,	YY	TRIPEND M M	(SHIP DATE D D		ME)		m T	RIP END	LOCA	OCATION					
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VF	SSEL															CAP	TAIN		FISHING	MASTER
	SEL OWNER	ł					COU	JNTRY	REGISTRAT	ION NO.		UVI				ОТН	FR		· How man	ny ?
									L							CRE			:	
VES	SEL CAPTAI	N				ID doc	cument		No.			FLAG	G	IRCS		OTH CRE			· How man	ny ?
FISH	ING MASTE	R				ID doc	cument		No.				ISH OLD		m	OTH CRE			· How mar	лу ?
FISH	IING PERMIT	Γ or LICENSE N	los.							LENGTH	M F		ROSS INAGE		m	OTH CRE			· How man	лу ?
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/M:	S SY STEM S	VMS-2			/ N															
			PHON	_	ATELL	ITF <sup>.</sup>	ΓΥ	Y / N Phone #				M OBILE: Y / N				Phone #				
		UNICATION RVICES	OTH		ACSIM		Y	/ N	Fax#						/ N Email:					
			WEATH		ATHER		-	/ N												
		RMATION RVICES		-			plankto		Y / N						Seal	Height			Y / N	
			OTH	HER Y	/ N															
F	ISHING	GEAR					USA	AGE	SAF	ETY E	QUIP	ME	NT							N
				HAULER		/ N			LIFEJACKET				PROVIDED FOR OBSER				17117			No.of BUOYS/
		BRAN	NCHLINE	HAULER	Y	/ N			AVAIL	_ABILITY		SUITABLE				E SIZE	E SIZE: Y / N L			E RINGS
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	MAINLINE: MATERIAL DIAMETER			LEN	GTH		ICE			Y	/ N	38	SIF	- rar	rely use	d	ed normali			
爭	WITTER	<b>\C</b> .				mm		nM		BRINEV	VELL		Y	/ N		NOL	- no	longer	everuse	ed
1) mm 7				RE CE?		BRINESE	PRAY		Y	/ N						M Y/N				
BRANCHUNE MATERIALS: 2) mm			Y ES	/ NO		ILLED SEA			Υ.	/ N			ribe w aste disposal system for fish ffal (important) and other w aste							
(3)						RIDGERA WATER -		A	Y	/ N										
BRANCHUNE WEIGHTS? YES / NO WEIGHT DISTANCE OF WEIGHTS? WEIGHTS? (g)  HOOKS JAPAN CIRCLE "J" T Size % Size % Size %				ÆGHTto																
MINAL			PAN	CIRCLE		J"	TERA	(cm)												
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	record ea	ch used Î																		

#### **GENERAL INFORMATION**

#### Observer programme: -

**REVISED MARCH 2014** 

record the country code if working for a national programme, refer to country codes or the abbreviation if a regional programme (e.g.: USMLT, FSMA, PNA, SPC, ROP, etc.) of the authority / provider that has allocated this trip

A complete fishing trip is defined as 'from one full or partial unloading to the next full or partial unloading'.

If an observer trip is not over a normal complete fishing trip the reasons why must be in the trip report - also see "Partial trips" notes, below.

**N.B.**: Wherever there is a  $\mathbf{Y} / \mathbf{N}$  (yes or no) option for an item, either the " $\mathbf{Y}$ " or the " $\mathbf{N}$ " must be circled

#### **TRIP DETAILS**

<u>Observer Name</u> and <u>Nationality</u>: Record first name and family name in full (e.g. "John Masa"); and Nationality as in passport Observer Trip ID Number: Print number issued by the authority sending you on this trip.

(e.g. John H. Masa, on his third trip in 1996 might be issued Trip ID Number: "JHM 96-03").

Trip start (Ship Date and Time)
Print date using "year year/ month month / day day" format.

Trip end (Ship Date and Time:
Print time using 24 hour "hour hour: minute minute" format.

USE
SHIP'S TIME

also read N.B. for departure/return port

for departure/return port

(e.g. Print five past one on the afternoon on 3rd of January, 1996 as "96/01/03 - 13:05").

Observer Trip Start, Trip End, and Vessel Departure Port: Record in all three boxes even if it is the same port.

N.B.: an observer trip starts only once the actual vessel to be observed is boarded and ends when disembarking that vessel.

Partial trips - If boat is met at sea the 'trip start date and time' is the date and time that the transfer between vessels occurs.

The 'trip start location' is "At sea" followed by a position recorded in degrees and minutes only (dd<sup>o</sup>mm').

If the observer transfers from a host vessel to another vessel to end their trip the 'end of trip date and time' is time of transfer.

The 'end of trip location' is "At sea" followed by a position recorded in degrees and minutes only (ddOmm').

Multiple trips - treat work on 2 (or more) different vessels while at sea as 2 (or more) trips, each with its own forms.

#### VESSEL

<u>Vessel Name</u>, <u>Vessel Owner</u>, <u>Vessel Captain</u>, <u>Fishing master</u>: Print full names whenever possible.

Country Registration: Number issued by country in which the vessel is registered (e.g. "ME1-808").

WCPFC requires all vessels over 100 Gross Tonnage to have a UVI after 1st Jan 2016. The number may appear on certificates before 2016. Generally the UVI is the International Marine Organistion number or the the Lloyd's Register (LR) number. If there is no UVI just make a dash in the data field.

 $\underline{\mathit{Flag}}$ : Name of country in which vessel is registered (e.g. "Belize") even if it comes from another country, such as Korea.

<u>International radio call-sign (IRCS)</u>: Do not confuse with Registration No. Note in report if vessel has no proper IRCS.

 $\underline{\textit{Vessel Captain - ID Document / No.}}: \quad \textbf{Along with the Captain's and Fishing Master's full names record identification}$ 

Fishing Master - ID Document / No.: document types and the document numbers for each of them

The preferred document is a Captain or Master's license but another, such as their passport, will do if that is not possible.

<u>Fishing Permit or Licence Number(s)</u>: If vessel fished under one or more bilateral access agreements, then print the fishing permit number issued by each of the coastal states in whose waters the vessel fished during the trip.

If vessel fished under a multilateral treaty, then print the permit number issued to vessel under the multilateral treaty. If the vessel is registered in the coastal state, then print the fishing licence number issued by the coastal state.

<u>Length</u>: } The place to find vessel's length overall (LOA) and gross tonnage is on registration papers.

Gross tonnage: } Be alert for any signs that suggest there has been a change to length and/or gross tonnage.

If changes are suspected provide as much extra information as possible in observer trip report

Fish Hold Capacity: (record in metric tonnes (mT)) can usually be found in deck plans and engineer's logs.

Record the total space for all holds that can carry fish regardless of whether they are used to carry fish on this trip

#### **CREW NATIONALITY**

<u>Captain</u>, <u>Fishing Master</u>: In the "Crew Nationality" section record only the nationality of the Captain and/or Fishing Master
 No need to record their names or identification documents here because they are recorded in the "Vessel" section already
 <u>Other Crew</u> - <u>How many</u>?: Record what other nationalities of crew and how many of each nationality there is.
 Do not include the Captain and Fishing Master in these counts.

#### **ELECTRONICS** (circle "Y" or "N" (yes or no) to show if each item is present or not present on board)

\* <u>Advances in technology</u>: Empty lines are to record new types of equipment or major upgrades to the current electronics or any types of advances in fishing electronics technology. Don't record old pieces of equipment not listed like radio etc. Write about new equipment in journal and trip report.

 $\underline{\textit{Usage}}$ : use codes (bottom front of form) to show how much each piece of equipment, for which "Y" is circled, is used  $\underline{\textit{VMS}-1}$  and  $\underline{\textit{VMS}-2}$ : Record system type (e.g.: InMarSat-C, Iridium, Argos) for each "vessel monitoring system" used. Also use the usage codes to record when the VMS system was being used.

<u>Communication services</u>: If vessel uses satellite and/or mobile phone and/or fax and/or email address, record contact details.

Fishery Information Services: Vessels may receive real-time information on some oceanographic features.

Circle  $\mathbf{Y}$  or  $\mathbf{N}$  to show if they get information on sea-surface temperature (SST), phytoplanton densities or sea height. If they are receiving another type of information record that in "Comments" and write about it in your trip report. If "Y", record the  $\underline{url}$  (website address) below the "Y/N" and write more about the website in your written report.

See the back of LL-1(page2) for more notes on gear, safety equip., refridgeration, waste disposal system and observations...

## SPC/FFA REGIONAL LONGLINE OBSERVER GENERAL INFORMATION

FORM LL-1 (pg2)

OBSERVATIONS / COMMENTS / OTHER GEAR / UNUSUAL USE OF GEAR Write notes here and full descriptions in the daily journal and trip report (put page references to the full descriptions beside the notes written here)	

#### **FISHING GEAR**

(circle " $m{Y}$ " or " $m{N}$ " (yes or no) to show if each item is present or not present on board)

Weighing scales: If weighing scales used to weigh retained fish are on-board, circle "Y" (yes)

For help with the rest of this section use the SPC Terminal Gear Idendification Guide (TG ID guide) Note that the TG ID guide can be used to measure hook size and line diameter

<u>Mainline</u>: Write down the material the mainline was made out of i.e monofilament or tarred rope Record the total length of the mainline in nautical miles - ask Captain for this information. Get the diameter of the mainline. Use small callipers to measure the width of the mainline.

Branchline: Record all types of material used in branchline - see TG ID guide

<u>Branchline weights</u>: If any weights have been added to the branchline - normally to weigh the line down and allow it to sink faster, record the information. Record the average weight in grams and then 2) record the <u>Distance of the Weight from the Hook</u> in centimeters.

Wire trace: Indicate if wire trace (wire just before the hook) was used in the branchline.

 $\underline{Hooks}$ : for each type of hook used record the size and the percentage of that hook that is usually used in each set. Show if hooks were  $\underline{\mathbf{O}}$  ffset (O), had  $\underline{\mathbf{R}}$  ings (R) or  $\underline{\mathbf{S}}$  wivels (S). Record three letters and/or dashes in each box.

- e.g.: if vessel sets 10-hook baskets with standard size 12.0 circle hooks with rings and swivels on hook numbers 1,2, 9, 10, but with offset "J" hooks (size 10.0) with no rings or swivels on every other line in a basket an observer will record as:

,	JAP size	AN %	CIR( size	CLE %	". size	J" %	8	CIMA e %
ı			12.0	40	10.0	60		—
			– F	S S	O			_

#### **SAFETY EQUIPMENT** (obtain as much information as possible without intruding)

if the life jacket is the observer's own or was issued by their provider, circle "O".

if the observer doesn't have their own but the vessel supplies one, circle " $\mathbf{Y}$ ", or " $\mathbf{N}$ " if one is not supplied Was it a good size ? - circle  $\mathbf{Y}$  (yes) or  $\mathbf{N}$  (no)

If the life jacket is carried by the observer or if it is allocated by the vessel and is easily available circle "easy" if it is allocated by the vessel but it is not so easy to get to circle "moderate"

and if an allocated life jacket is very difficult to get to circle "hard"

<u>Lifebuoys/life rings</u> - count all to be found

<u>EPIRBS</u> - count all EPIRBS onboard <u>including</u> those <u>with expired</u> battery renewal dates.

- then just count only the EPIRBS with expired battery renewal dates.

Life rafts - No. of People - record the number of people that each life raft is certified to carry

- <u>Inspection Date</u> - check carefully for inspection stickers/labels or fixed plates with inspection information Find out from these inspection certificates when the next inspection is due (or when last was carried out)

- if label has an inspection **D**ue date record the letter "D" then a dash ("-"), then the date in 'dd/mm/yy' format
- if a Last inspection date is on the inspection label record the letter "L", then a dash, then the date

(e.g.: for an inspection due on 30th June 2012 record "D-30/06/12";

but if the label only has the date of the last inspection on 31st December 2009, record "L-31/12/09")

If, after a careful check for life-raft inspection labels, dates cannot be found, record "ND" for 'not displayed'.

#### **REFRIGERATION METHOD** (circle "Y" or "N" (yes or no) to show if each method is present or not present)

N.B.: There may be more than one refrigeration method so record yes or no for each one.

Other storage: If another refrigeration or other storage method is observed descibe it in detail in the trip report.

#### WASTE DISPOSAL SYSTEM for fish offal (circle "Y" or "N" to indicate if a waste disposal system is present)

Examples include incinerators, crushers, shredders, compacters, balers, meal plants, etc.

On longliners it is important to note if any fish or fish offal are thrown overboard during either setting or hauling. It is also important to note where fish or fish offal are thrown overboard ie the front, aft of vessel and if from the side if this is the same side and the mainline during setting / hauling.

#### **OBSERVATIONS / COMMENTS. OTHER GEAR. UNUSUAL USE OF GEAR**

Write about anything special observed about this boat and its equipment or crew compared to other boats observed. Comment if equipment is not working, not used or is used in an unusual way and describe fishing gear that is different to equipment observed on other longliners, recording the make, model, special characteristics and usage of this new gear.

If there is lots to write about (good) write in the observer's daily journal and in the proper place in the trip report then write brief notes here but include page No.s so that others can easily find what is written in the journal and trip report.

Ferminal gear

OBSERVER	SPC/FFA REGIONAL LONGLINE OBSERVER
PROGRAMME:	GENERAL INFORMATION
REV. MAR. 2014	

FORM LL-1 (pg1)

٦	TRIP DI	ETAILS																		
95	NAME							YY	TRIP STAR M M	T (SHIP DA' DD		TIM E) h	m	m	RIP STA	RT LOC	CATION			
OBSERVER	NATIONAL	LITY TRIE	PID No.				,	YY	TRIPEND M M	(SHIP DATE D D		ME)		m T	RIP END	LOCA	TION			
VES	SEL NAM E							SSEL DI YY	EPARTURE M M	(SHIP DATE D D	VESS	EL DEF	PARTU	IRE POR	Т		CRE	W NA	TIONA	LITY
VF	SSEL															CAP	TAIN		FISHING	MASTER
	SEL OWNER	ł					COU	JNTRY	REGISTRAT	ION NO.		UVI				отн	FR		· How man	ny ?
									L							CRE			:	
VES	SEL CAPTAI	N				ID doc	cument		No.			FLAG	G	IRCS		OTH CRE			· How man	ny ?
FISH	ING MASTE	R				ID doc	cument		No.				ISH OLD		m	OTH CRE			· How mar	лу ?
FISH	IING PERMIT	Γ or LICENSE N	los.							LENGTH	M F		ROSS INAGE		m	OTH CRE			· How man	лу ?
	LECTR	ONICS				LIS	AGE											USAC		
			G	SPS Y	/ N	03/	AGL						DEF	TH SO	UNDER	Y	7 N	OSAC		
		TRAC	KPLOTI	<u> </u>	/ N									SST	GAUGE	<u> </u>	' / N			
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		VMS-1																		
/M:	S SY STEM S	VMS-2	Y																	
			PHON	_	ATELL	ITF <sup>.</sup>	ΓΥ	/ N	Phone #					МОВІ	ı F. Y	/ N	Phone	#		
		UNICATION RVICES	ILE:	Y	/ N	Fax#					EMA		/ N	Email:						
			RFAX	-	/ N	SATE	LLITEMO	NITOR	Τγ	/ N										
		RMATION RVICES	WEATH	-			plankto				N SST	Т.			Y / N	Seal	Height			Y / N
			OTH	HER Y	/ N															
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				HAULER		/ N			LIFE	JACKET		Р	ROVI	DED FO	R OBSI	ERVER	Y	/ N / O		No.of BUOYS/
		BRAN	NCHLINE	HAULER	Y	/ N			AVAIL	_ABILITY				S	UITABL	E SIZE	: `	Y / N	LIF	E RINGS
			LINES	SHOOTER	Y	/ N				:le one)		Easy	<u>'</u>		M oderat	e		Hard		
		AUTOMATIC	BAITTI	HROWER	Y	/ N			EPIRBS	Tota To	otal with xp Bat.	J١	LIFE	RAFTS	·	1	:	2	3	4
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	WEIGHING SCALES Y / N								other					ION DA yy/mm/c						
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	VANCES in CNOLOGY				Y	/ N			E	BLASTFF	REEZE		Y	/ N	USAGE CODES	OF	- us	ed ofter	ı in fishiı	
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爭	WITTER	<b>\C</b> .				mm		nM		BRINEV	VELL		Y	/ N		NOL	- no	longer	everuse	ed
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(see TGID guide)	BRANCHI M ATERIA					mm	Y ES	/ NO		ILLED SEA			Υ.	/ N					other w	
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		, S) —	+																	
	record ea	ch used Î																		

**REVISED MARCH 2014** 

#### GENERAL INFORMATION

#### Observer programme: -

record the country code if working for a national programme, refer to country codes or the abbreviation if a regional programme (e.g.: USMLT, FSMA, PNA, SPC, ROP, etc.) of the authority / provider that has allocated this trip

A complete fishing trip is defined as 'from one full or partial unloading to the next full or partial unloading'.

If an observer trip is not over a normal complete fishing trip the reasons why must be in the trip report - also see "Partial trips" notes, below.

N.B.: Wherever there is a Y / N (yes or no) option for an item, either the "Y" or the "N" must be circled

#### TRIP DETAILS

<u>Observer Name</u> and <u>Nationality</u>: Record first name and family name in full (e.g. "John Masa"); and Nationality as in passport <u>Observer Trip ID Number</u>: Print number issued by the authority sending you on this trip.

(e.g. John H. Masa, on his third trip in 1996 might be issued Trip ID Number: "JHM 96-03").

<u>Trip start (Ship Date and Time)</u> } Print date using "year year/ month month / day day" format.

<u>Trip end (Ship Date and Time:</u> } Print time using 24 hour "hour hour: minute minute" format. SHIP'S TIME (e.g. Print five past one on the afternoon on 3rd of January, 1996 as "96/01/03 - 13:05").

USE SHIP'S TIME also read N.B. for departure/return port

Observer Trip Start, Trip End, and Vessel Departure Port: Record in all three boxes even if it is the same port.

**N.B.**: an observer trip starts only once the actual vessel to be observed is boarded and ends when disembarking that vessel.

Partial trips - If boat is met at sea the 'trip start date and time' is the date and time that the transfer between vessels occurs.

The 'trip start location' is "At sea" followed by a position recorded in degrees and minutes only (dd<sup>o</sup>mm').

If the observer transfers from a host vessel to another vessel to end their trip the 'end of trip date and time' is time of transfer.

The 'end of trip location' is "At sea" followed by a position recorded in degrees and minutes only (ddOmm').

Multiple trips - treat work on 2 (or more) different vessels while at sea as 2 (or more) trips, each with its own forms.

#### VESSEL

<u>Vessel Name, Vessel Owner, Vessel Captain, Fishing master</u>: Print full names whenever possible.

Country Registration: Number issued by country in which the vessel is registered (e.g. "ME1-808").

WCPFC requires all vessels over 100 Gross Tonnage to have a UVI after 1st Jan 2016. The number may appear on certificates before 2016. Generally the UVI is the International Marine Organistion number or the the Lloyd's Register (LR) number. If there is no UVI just make a dash in the data field.

<u>Flag</u>: Name of country in which vessel is registered (e.g. "Belize") even if it comes from another country, such as Korea.

International radio call-sign (IRCS): Do not confuse with Registration No. Note in report if vessel has no proper IRCS.

<u>Vessel Captain - ID Document / No.</u>: Along with the Captain's and Fishing Master's full names record identification

Fishing Master - ID Document / No.: document types and the document numbers for each of them

The prefered document is a Captain or Master's license but another, such as their passport, will do if that is not possible.

Fishing Permit or Licence Number(s): If vessel fished under one or more bilateral access agreements, then print the

fishing permit number issued by each of the coastal states in whose waters the vessel fished during the trip.

If vessel fished under a multilateral treaty, then print the permit number issued to vessel under the multilateral treaty. If the vessel is registered in the coastal state, then print the fishing licence number issued by the coastal state.

<u>Length</u>: } The place to find vessel's length overall (LOA) and gross tonnage is on registration papers.

<u>Gross tonnage</u>: } Be alert for any signs that suggest there has been a change to length and/or gross tonnage.

If changes are suspected provide as much extra information as possible in observer trip report

Fish Hold Capacity: (record in metric tonnes (mT)) can usually be found in deck plans and engineer's logs.

Record the total space for all holds that can carry fish regardless of whether they are used to carry fish on this trip

#### **CREW NATIONALITY**

<u>Captain</u>, <u>Fishing Master</u>: In the "Crew Nationality" section record only the nationality of the Captain and/or Fishing Master No need to record their names or identification documents here because they are recorded in the "Vessel" section already 
 <u>Other Crew</u> - <u>How many</u>?: Record what other nationalities of crew and how many of each nationality there is.
 Do not include the Captain and Fishing Master in these counts.

#### **ELECTRONICS** (circle "Y" or "N" (yes or no) to show if each item is present or not present on board)

\* <u>Advances in technology</u>: Empty lines are to record new types of equipment or major upgrades to the current electronics or any types of advances in fishing electronics technology. Don't record old pieces of equipment not listed like radio etc. Write about new equipment in journal and trip report.

<u>Usage</u>: use codes (bottom front of form) to show how much each piece of equipment, for which "Y" is circled, is used <u>VMS - 1</u> and <u>VMS - 2</u>: Record system type (e.g.: InMarSat-C, Iridium, Argos) for each "vessel monitoring system" used. Also use the usage codes to record when the VMS system was being used.

<u>Communication services</u>: If vessel uses satellite and/or mobile phone and/or fax and/or email address, record contact details.

<u>Fishery Information Services</u>: Vessels may receive real-time information on some oceanographic features.

Circle **Y** or **N** to show if they get information on sea-surface temperature (SST), phytoplanton densities or sea height. If they are receiving another type of information record that in "Comments" and write about it in your trip report. If "Y", record the <u>url</u> (website address) below the "Y / N" and write more about the website in your written report.

See the back of LL-1(page2) for more notes on gear, safety equip., refridgeration, waste disposal system and observations...

## SPC/FFA REGIONAL LONGLINE OBSERVER GENERAL INFORMATION

FORM LL-1

(pg2)

OBSERVATIONS / COMMENTS / OTHER GEAR / UNUSUAL USE OF GEAR  Write notes here and full descriptions in the daily journal and trip report  (put page references to the full descriptions beside the notes written here)	

#### **FISHING GEAR**

(circle "Y" or "N" (yes or no) to show if each item is present or not present on board)

Weighing scales: If weighing scales used to weigh retained fish are on-board, circle "Y" (yes)

For help with the rest of this section use the SPC Terminal Gear Idendification Guide (TG ID guide) Note that the TG ID guide can be used to measure hook size and line diameter

<u>Mainline</u>: Write down the material the mainline was made out of i.e monofilament or tarred rope

Record the total length of the mainline in nautical miles - ask Captain for this information.

Get the diameter of the mainline. Use small callipers to measure the width of the mainline.

Branchline: Record all types of material used in branchline - see TG ID guide

Branchline weights: If any weights have been added to the branchline - normally to weigh the line down and allow it to sink faster, record the information. Record the average weight in grams and 2) record the distance of the weight from the hook in centimeters.

Wire trace: Indicate if wire trace (wire just before the hook) was used in the branchline.

 $\underline{Hooks}$ : for each type of hook used record the size and the percentage of that hook that is usually used in each set. Show if hooks were  $\underline{\mathbf{O}}$  ffset (O), had  $\underline{\mathbf{R}}$  ings (R) or  $\underline{\mathbf{S}}$  wivels (S). Record three letters and/or dashes in each box.

- e.g.: if vessel sets 10-hook baskets with standard size 12.0 circle hooks with rings and swivels on hook numbers 1,2, 9, 10, but with offset "J" hooks (size 10.0) with no rings or swivels on every other line in a basket an observer will record as:

JAF size	AN %	CIR( size	CLE %	"J size	J" %	TERA size	CIMA e %
—		12.0	<b>4</b> 0	10.0	60		—
		– I	S	0			_

#### **SAFETY EQUIPMENT** (obtain as much information as possible without intruding)

if the life jacket is the observer's own or was issued by their provider, circle "O".

if the observer doesn't have their own but the vessel supplies one, circle " $\mathbf{Y}$ ", or " $\mathbf{N}$ " if one is not supplied Was it a good size ? - circle  $\mathbf{Y}$  (yes) or  $\mathbf{N}$  (no)

If the life jacket is carried by the observer or if it is allocated by the vessel and is easily available circle "easy" if it is allocated by the vessel but it is not so easy to get to circle "moderate" and if an allocated life jacket is very difficult to get to circle "hard"

<u>Lifebuoys/life rings</u> - count all to be found

<u>EPIRBS</u> - count all EPIRBS onboard <u>including</u> those with expired battery renewal dates.

- then just count only the EPIRBS with expired battery renewal dates.

Life rafts - No. of People - record the number of people that each life raft is certified to carry

- <u>Inspection Date</u> - check carefully for inspection stickers/labels or fixed plates with inspection information Find out from these inspection certificates when the next inspection is due (or when last was carried out)

- if label has an inspection **D**ue date record the letter "D" then a dash ("-"), then the date in 'dd/mm/yy' format
- if a  $\underline{\mathbf{L}}$  ast inspection date is on the inspection label record the letter "L", then a dash, then the date

(e.g.: for an inspection due on 30th June 2012 record "D-30/06/12";

but if the label only has the date of the last inspection on 31st December 2009, record "L-31/12/09")

If, after a careful check for life-raft inspection labels, dates cannot be found, record " ${\bf ND}$ " for 'not displayed'.

#### **REFRIGERATION METHOD** (circle "Y" or "N" (yes or no) to show if each method is present or not present)

N.B.: There may be more than one refrigeration method so record yes or no for each one.

Other storage: If another refrigeration or other storage method is observed descibe it in detail in the trip report.

#### WASTE DISPOSAL SYSTEM for fish offal (circle "Y" or "N" to indicate if a waste disposal system is present)

Examples include incinerators, crushers, shredders, compacters, balers, meal plants, etc.

On longliners it is important to note if any fish or fish offal are thrown overboard during either setting or hauling. It is also important to note where fish or fish offal are thrown overboard ie the front, aft of vessel and if from the side if this is the same side and the mainline during setting / hauling.

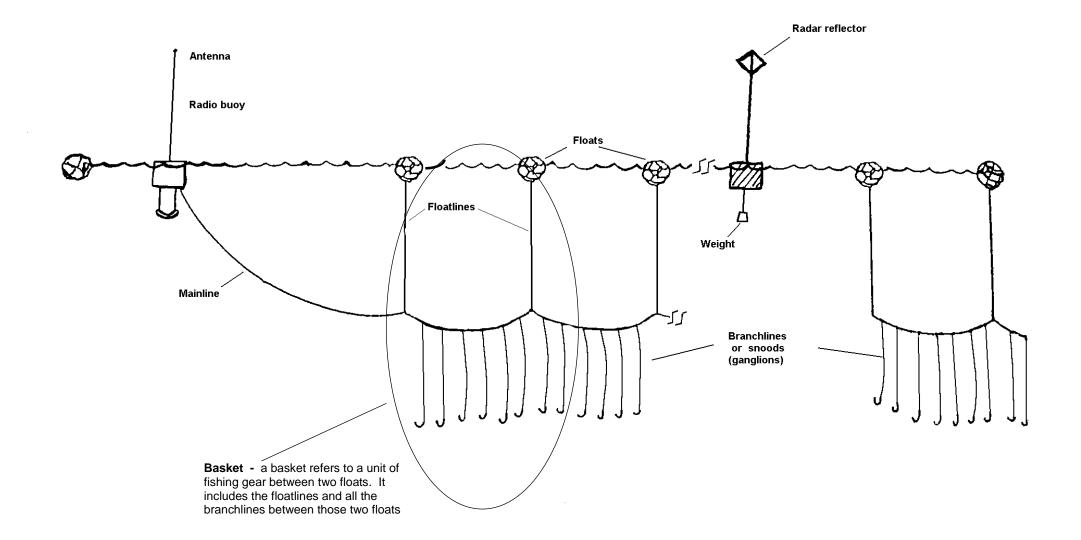
#### OBSERVATIONS / COMMENTS, OTHER GEAR, UNUSUAL USE OF GEAR

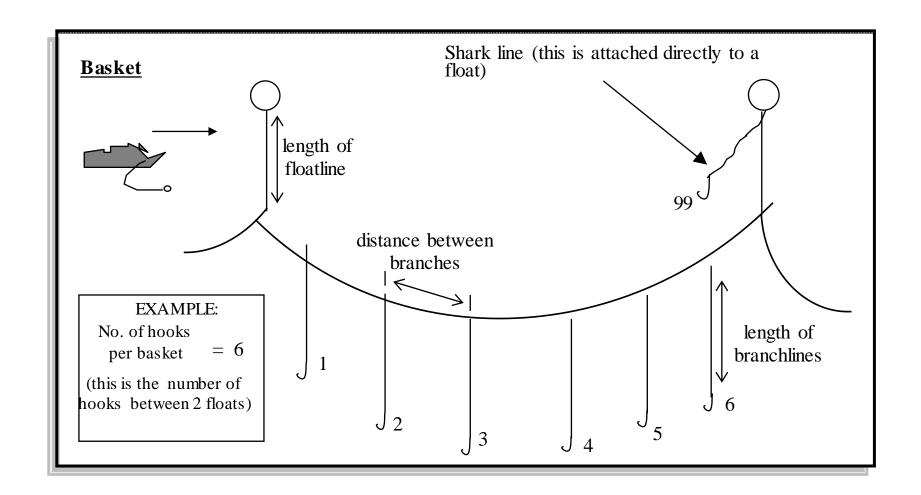
Write about anything special observed about this boat and its equipment or crew compared to other boats observed. Comment if equipment is not working, not used or is used in an unusual way and describe fishing gear that is different to equipment observed on other longliners, recording the make, model, special characteristics and usage of this new gear. If there is lots to write about (good) write in the observer's daily journal and in the proper place in the trip report then

write brief notes here but include page No.s so that others can easily find what is written in the journal and trip report.

erminal gear

### Longline gear configuration





		SPC	/FFA F	REGION	NAL LONG	GLINE C	BS	ERVE	R -	SET a	nd HAUL	INFOR	RMATION				FOR	M LL	-2/3
RE	V. MAR. 2014																		
	SSERVER NAM	E				VESSEL NAM	IE					OBSERVE	R TRIP ID NUMBE	R		SET No.	PAC	GE OF	
				LO	NGLINE SET	SPECIFICA	TIONS						TARGET SPEC	CIES L				OF SET	
	No. OF HOOK	S PER BASKET		LINE SET	TING SPEED	- m/s kts	(circle		VESSE	L SPEED FO	OR SETTING (kts	)	('X' to indicat	e) H		SHIP'S DAT			m m
	TOTAL No. OF	BASKETS		BRANCH	ILINE SET INTER	RVAL (s)			SHARK	LINES on 1	floats (Hook No	o.99s)	TUNA		CORDI				
	TOTAL No. OF	HOOKS		BETWEE	N BRANCHLINE	ES (m)		1	Number.:		LENGTH (m):		SWORDFISH		REC	UTC DATE A			m m
	LENGTH OF FL	LOATLINE (m)		LENGTH	OF BRANCHLIN	NES (m)			WER	E TDRs DEF	PLOYED?	Y / N	SHARK						
	SHIP'S	LATITUDE		N	LONGITU	IDE_	Е			MITIGA	TION		BAIT	USED	(tota	al weight for	EACH s	species)	
6	TIME	( dd° mm.mmi	n')	S	( ddd° mm.m	nmm')	W	(we	ere any of t	the followin	g used for this s	set?)	SPECIES						
507	START SET								TC	ORI POLES		Y / N	(KG)						No. of
ı.		L tart" and "End" position	o obsorvo	d directly?	Y / N	If "N" exp	lain		BIR	RD CURTAIN	١	Y / N	HOOK NOs						LIGHT
SET	)	tart and End position	s observe		Y / IN	in comme	ents I		WEK	GHTED LINE	ES .	Y / N						-	STICKS
	END SET							ι	INDERWA <sup>-</sup>	TER SETTIN	IG CHUTE	Y / N	BAIT DY ED BLUE	Υ /	N	Y / N	Y / N	Y / N	
HAUL LOG	START HAUL					Ship's tii	UNL	JSUAL SE	T DETAILS	Y / N	COMMENTS - low e	r portion	for p	ments from bo	ings if n	ecessary.			
	FND HAUI							(ad	ld up the t	total basket	RVED DURING s monitored from LL-4 used in th	m the		T C	NY RE	DOBSERVE EVENTS CORD ON N-3 TODAY 1		rted in nal pg#	ES NO

<u>Observer Name</u> and <u>Vessel Name</u>: Always print each of these names out in full (e.g. an observer name "John Masa", and a vessel name "Hai Hsiang No. 959")

<u>Observer Trip ID Number</u>: Number issued by the authority you are working for. (e.g. John H. Masa, on his 3rd trip in 1996 may get Trip ID No.: "JHM 96-03").

<u>Set No.</u>: (for observer use only) - start at "Set No. 1", "Set No. 2", etc., all through a trip.

<u>Page of</u>: Number Form LL-2's through trip as Page 1, Page 2, Page 3, etc. At end of trip, check all pages are there (again). Put the last page number on every page (e.g. if 36 pages then the first page will be "Page 1 of 36", the fourth page, "Page 4 of 36" and the last page will be "Page 36 of 36").

<u>No. of hooks per basket</u>: See the basket diagram in bottom right for example  $\underline{Total\ No.\ of\ Baskets}$ ,  $\underline{Total\ No.\ of\ Hooks}$ : These are the totals for the entire set.  $< Total\ No.\ of\ Hooks > = < Total\ No.\ of\ Baskets > \times < No.\ of\ Hooks\ per\ Basket>$ 

Length of Floatlines (m), Length of Branchlines (m): See diagram in wxbook.

<u>Vessel Speed (kts)</u>: Watch the GPS or speed log over several seconds to estimate average speed of vessel. Record to one decimal point (e.g. "9.7" knots).

<u>Vessel Speed (kts)</u>: Watch the GPS or speed log over several seconds to estimate average speed of vessel. Record to one decimal point (e.g. "9.7" knots).

<u>Line Setting Speed - m/s kts (circle one)</u>: Record only if the vessel has a line shooter must **circle** correct "m/s" or "kts". N.B.: (m/sec = kts/2) and (length = sec **x** m/sec)

Branchline Set Interval (s): Recorded only from vessels with branchline timers.

<u>Between branchlines (m)</u>: Distance <u>between branchlines</u> may be hand measured (in metres) or calculated by the observer using the formula: <u>Line Setting Speed</u> x <u>Branchline Set Interval</u>, or if not available, ask fishing master etc for the distance <u>between branchlines</u>)

<u>Shark lines on floats (Hook No.99s)</u>: If vessel has special lines tied directly to the floats to catch extra sharks, count the total <u>Number</u> used in the set. What is their usual <u>Length (m)</u>? N.B. Do not count a shark line on a float as one of the "hooks per basket"

<u>Were TDRs deployed? Y/N</u>: Circle Y (yes) if one or more temperature depth recorders are deployed at any time during the set

<u>Target Species</u> - Cross the box/es next to the main species the vessel is targeting during set. It is usually just one species but it could be more than one. **N.B.** to target a species gear must be set especially to catch that species. Retained bycatch was targeted.

<u>Start of Set</u>, <u>Ship's date</u>, <u>Ships time</u>, <u>UTC date</u>, <u>UTC time</u>: At the start of each set you must record the time and date that the ship's clock (and your watch) are set to, and the UTC time and date as read from the GPS. At all other times use only Ship's time. Remember UTC date can be different from the Ship's date.

<u>Start and End of Set and Haul</u>: Complete for every single set even if not fully monitored. The observer should read the GPS directly and must explain in "Comments" if they have not. The remaining lines in the Haul Log must be filled at approximately every hour.

<u>Start</u> and <u>End</u> of <u>Set</u> and <u>Haul</u>: Complete for every single set even if not fully monitored. The

<u>Start</u> and <u>End</u> of <u>Set</u> and <u>Haul</u>: Complete for every single set even if not fully monitored. The observer should read the GPS directly and must <u>explain</u> in "Comments" if they have not. The remaining lines in the <u>Haul Log</u> must be filled at approximately every hour.

<u>Latitude</u>, <u>Longitude</u>, N, S, E, W: Record GPS positions in degrees, minutes and decimals, to three decimal places. Do not forget to enter north or south and east or west correctly

<u>Bait Used</u> - <u>Species</u>, <u>Kg</u>: Record species and weight (in kg) of each bait used. <u>Bait Used</u> - <u>Hook</u> <u>Nos</u>: Usually, if a boat uses more than one bait species it will put the same bait on the same hook numbers (see diagram) in each basket (e.g.: squid might go on hooks 3 and 4 while sardines go on hooks 1, 2, 5 and 6). Record the hooks for each bait type "hook nos". <u>Blue dyed bait</u> - if bait used has been dyed blue circle "Y" for yes. Otherwise circle "N" for no. <u>No. of Light Sticks Used</u>: If lightsticks were used record the total number used in the set.

Comments: Note significant conditions that affect set strategy or cause problems - unusual wind/sea state; SSI contacts; accidents; any unexpected event. Include events from Soak Time, even if asleep but found out from crew later. Record reasons that observer monitoring stopped for 30 minutes or more. If suitable record ship's time in column next to comments.

<u>Total Baskets Observed</u> and <u>Events on FORM GEN-3</u> - These fields must be completed.

MITIGATION: TORI POLES: High vertical pole placed at the stern, has trailing line with plastic streamers attached. BIRD CURTAIN: Horiztonal pole with vertical streamers positioned on side ( + stern side of the setting station).WEIGHTED LINES: Approx. 60 to 100g of weight placed on branchline 1-3 meters away from hook. SETTING CHUTE: Equipment that ensures the line is set below the waterline. FISH OFFAL DISCHARGE: Indicate if any fish waste (including bait) was thrown overboard at anytime during setting or hauling.

		SPC	/FFA I	REGIO	NAL LO	NGLINE	OBS	ERVE	₹ -	SET a	nd HAUL	INFOR	RMATION			FOF	RM LL	-2/3
	V. MAR. 2014																	
OE	SERVER NAMI	E				VESSEL NA	AME					OBSERVE	R TRIP ID NUMBE	R	SET No.	PA	GE OI	F
				LC	NGLINE SE	T SPECIFIC	ATIONS	3					TARGET SPEC				OF SET	
ı	No. OF HOOKS	S PER BASKET		LINE SE	TTING SPEED	- m/s k	ts (circle	9	VESSE	L SPEED FO	OR SETTING (kts	(1)	('X' to indicate	e)   18 E		ATEAND M M D		n mm
•	TOTAL No. OF	BASKETS		BRANCH	HLINE SET INT	ΓERVAL (s)			SHARK	LINES on 1	loats (Hook N	o.99s)	TUNA	MUST				
•	TOTAL No. OF	HOOKS		BETWEE	EN BRANCHLI	INES (m)		N	lumber.:		LENGTH (m):		SWORDFISH	ALL MUST B	TO LC DAI	EAND TIN		n m m
ı	ENGTH OF FL	LOATLINE (m)		LENGTH	OF BRANCH	HLINES (m)			WER	E TDRs DEF	LOYED?	Y / N	SHARK					
	SHIP'S	LATITUDE		N	LONGI	TUDE_	E			MITIGA	TION	•	BAIT	USED (to	al weight	for EACH	species)	,
5	TIME	( dd° mm.mm		S	( ddd° mm		W	(we	re any of	the followin	g used for this s	set?)	SPECIES					
907	START SET								T	ORI POLES		Y / N	(KG)			1		No. of
	-	 				If "N" e	xplain		BIF	RD CURTAIN	١	Y / N	. ,			+		LIGHT
SET	vvere all "St	tart" and "End" position	is observe	ea airectiy?	Y / N	in com	ments	_	WEI	GHTED LINE	ES	Y / N	HOOK NOs					STICKS
	END SET							U	NDERWA	TER SETTIN	IG CHUTE	Y / N	BAIT DYED BLUE	Y / N	Y / N	Y / N	Y / N	4
HAUL LOG						Ship's tin	UNL	JSUAL SE	T DETAILS	Y/N	COMMENTS - low et	DID YO	U OBSERV	orkings if r	rcleone			
								(ad	d up the t	total basket	RVED DURING s monitored from LL-4 used in th	m the		ANY TO RI	COBSERV EVENTS ECORD ON EN-3 TODA	rep	orted in	YES NO

#### SET and HAUL INFORMATION

Use as many Form LL-2/3s per set and haul as necessary (usually one). N.B. (VERY IMPORTANT) - if there is a species target change part way through setting (e.g. completely different branchlines or very different setting depths are used) even if still using the same mainline, then start a new Form LL-2/3 for the different section of the set. (For clear + major changes only!)

<u>Observer Name</u> and <u>Vessel Name</u>: Always print each of these names out in full (e.g. an observer name "John Masa", and a vessel name "Hai Hsiang No. 959")

<u>Observer Trip ID Number</u>: Number issued by the authority you are working for. (e.g. John H. Masa, on his 3rd trip in 1996 may get Trip ID No.: "JHM 96-03").

Set No. 2", etc., all through a trip.

<u>Page of</u>: Number Form LL-2's through trip as Page 1, Page 2, Page 3, etc. At end of trip, check all pages are there (again). Put the last page number on every page (e.g. if 36 pages then the first page will be "Page 1 of 36", the fourth page, "Page 4 of 36" and the last page will be "Page 36 of 36").

<u>No. of hooks per basket</u>: See the basket diagram in bottom right for example

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<u>Length of Floatlines (m)</u>, <u>Length of Branchlines (m)</u>: See diagram in wxbook.

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		SPC/	FFA R	EGION	AL LONGLINE	OBS	ERVI	ER -	- SET and	HAUL	INFOR	MATION				F	ORM	LL - 2	2/3
	V. MAR. 2014 SSERVER NAME	<u> </u>			VESSEL NA	AME					OBSERVE	R TRIP ID NUMBE	R	!	SET No.		PAGE	OF	
				LO	NGLINE SET SPECIFIC	ATIONS	3					TARGET SPEC	CIES	ша		STA	RT OF S	ET	
	No. OF HOOKS	PER BASKET		LINE SETT	ΓING SPEED - m/s k	cts (circle		VES	SEL SPEED FOR SE	ETTING (kts)		('X' to indicat	e)	T BE	SHIP'S D	M M	DD TIME	h h	m m
-	TOTAL No. OF	BASKETS		BRANCHL	INE SET INTERVAL (s)			SHAF	RK LINES on floats	s (Hook No.	99s)	TUNA		NUST					
-	TOTAL No. OF	HOOKS		BETWEEN	BRANCHLINES (m)			Number.	.: LEN	NGTH (m):		SWORDFISH		ALL MUST BE RECORDED	UTC DAT	E AND M M	TIM E DD	h h	mm
ı	LENGTH OF FL	OATLINE (m)		LENGTH (	OF BRANCHLINES (m)			WI	ERE TDRs DEPLOYI	ED?	Y / N	SHARK		⋖ ¯					
	SHIP'S	LATITUDE		N	LONGITUDE	E			MITIGATION			BAIT	USE	) (tota	l weight	for EA	CH spec	ies)	
th	TIME	( dd° mm.mmn	ո')	S	( ddd° mm.mmm' )	W	(	were any	of the following use		et ?)	SPECIES		Ì		$\top$	Ī		
907	START SET	-							TORI POLES		Y / N			-		+-	-		No. of
	-				V / N If "N" e	xnlain			BIRD CURTAIN		Y / N	(KG)							LIGHT
SET	Were all "St	art" and "End" positions	observed	directly?	Y / N in com			W	/EIGHTED LINES		Y / N	HOOK NOs				$\bot$			STICKS
	END SET							UNDERW	VATER SETTING CH	IUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Υ /	N Y	/ N	
HAUL LOG				WAS Ship's	time	ISCHARGED DURING OR HAULING?		Y / N	COMMENTS - low er			ments from		-	_	j. Use			
	FND HAUI							add up th	SKETS OBSERVED ne total baskets mon n of each Form LL-4	nitored from	the		т	ANY I	OBSERVEVENTS CORD ON N-3 TOD	-	circle one reported in Journal <b>P</b> (	YES	S NO

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		SPC	/FFA	REG	IONAL	LONGLINE (	DBS	ERV	ER	- SET ar	nd HAUL	INFOR	MATION					FORI	M LL-	2/3
	/. MAR. 2014																			
OB	SERVER NAM	E				VESSEL NAM	1E					OBSERVE	R TRIP ID NUM BEI	R		SET No.		PAGE	OF.	
					LONGLIN	NE SET SPECIFICAT	TIONS	3					TARGET SPEC	IES	ш			ART O		
١	lo. OF HOOKS	S PER BASKET		LINE	SETTING S	SPEED - m/s kts	(circle	Э	VI	ESSEL SPEED FO	R SETTING (kts)		('X' to indicate	e)	T BE	SHIP'S YY	DATE A	AND TI	M E h h	m m
7	OTAL No. OF	BASKETS		BRA	NCHLINE S	ET INTERVAL (s)			SH	HARK LINES on fl	oats (Hook No	.99s)	TUNA		NUST ORD					1
7	OTAL No. OF	HOOKS		BET	WEEN BRA	NCHLINES (m)			Numb	per.:	LENGTH (m):		SWORDFISH		ALL MUST BE RECORDED	UTC DA	ATE AN M M		hh	m m
L	ENGTH OF FL	LOATLINE (m)		LEN	GTH OF BR	ANCHLINES (m)				WERE TDRs DEPL	OYED?	Y / N	SHARK		₹ "		T IVI IVI		1	
	SHIP'S	LATITUDE	•	N	L(	ONGITUDE	E	Ì	•	MITIGAT	ION		BAIT	USE	D (tota	al weigl	ht for E	ACH s	pecies)	•
(h	TIME	( dd° mm.mmr		s		l°mm.mmm')	W	(	(were ai	ny of the following	used for this se	et ?)	SPECIES						-	
907	START SET									TORI POLES		Y / N	(KG)							No. of
L						/ N If "N" exp	lain			BIRD CURTAIN		Y / N	` ,							LIGHT
SEI	Were all "St	tart" and "End" position:	s observe	ed dired	ctly? Y	/ N in comme				WEIGHTED LINES	6	Y / N	HOOK NOs							STICKS
	END SET								UNDE	RWATER SETTING	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Υ /	N Y	/ N	Y / N	
	START HAUL	TART HAUL							OFFAL	DISCHARGED DU	JRING SETTING	Y / N	COMMENTS -						and hauli	ng. Use
								Ship's	s time	OR HAULING?		<u> </u>	low er	portic	ן וטוווע	Dersona	i w Orking	js ii ned	Jessary.	
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	END HAUL									o the total baskets om of each Form l						CORD C		report Journa	ed in I <b>pg #</b>	

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		SPC	/FFA I	REGIO	NAL LO	NGLINE	OBS	ERV	ER -	SET a	nd HAUL	INFOF	RMATION				FC	ORM	LL - 2	2/3
_	EV. MAR. 2014 BSERVER NAM	F				VESSELNA	MF					TOBSERVE	R TRIP ID NUMBE	R		SET No.	Te	AGE	OF	
	30 <u>2.</u>	_				7200221111						0502				00.	ľ	7.02	0.	
				L	ONGLINE S	ET SPECIFICA	ATIONS	S					TARGET SPEC	CIES	ш С		STAR	T OF S	ET	
	No. OF HOOK	S PER BASKET		LINE SE	TTING SPEE	D - m/s kt	S (circle one)	e	VESSE	EL SPEED FO	OR SETTING (kts	)	('X' to indicat	(a)	田田	SHIP'S DA YY M		D TIME	h h	m m
	TOTAL No. OF	BASKETS		BRANC	HLINE SET IN	NTERVAL (s)			SHARK	LINES on	floats (Hook No	o.99s)	TUNA		L MUST ECORDE					
	TOTAL No. OF	HOOKS		BETWEE	EN BRANCH	LINES (m)			Number.:		LENGTH (m):		SWORDFISH		ALL RE(	UTC DATE		DD	h h	m m
	LENGTH OF FI	LOATLINE (m)		LENGTH	OF BRANC	CHLINES (m)			WER	RE TDRs DEF	PLOYED?	Y / N	SHARK							
	SHIP'S	LATITUDE		N		SITUDE	Е		, ,	MITIGA	_	(0)	BAIT	USE	O (tota	al weight fo	or EAC	Hspec	ies)	
2	TIME START SET	( dd° mm.mmr	n')	S	( ddd° mı	m.mmm')	W			ORI POLES	ng used for this s	Y / N	SPECIES							
11.										RD CURTAIN	N.	Y / N	(KG)							No. of LIGHT
SET 10G	Were all "S	tart" and "End" position	s observe	ed directly?	? Y / I	V If "N" ex				IGHTED LINE		Y / N	HOOK NOs							STICKS
	END SET									TER SETTIN		Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Υ /	N Y	/ N	
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								81.		R HAULING	?	Y / N	low e	r portio	n for p	oersonal wo	rkings i	neces	sary.	
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	END HAIII										s monitored from LL-4 used in th				ORE	EVENTS CORD ON N-3 TODAY		eported ir	ı	. 110

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		SPC	/FFA I	REGIO	NAL L	ONC	SLINE (	OBSI	ERVE	ER	- SET	and HAUL	INFOR	RMATION			F	ORN	1 LL -	2/3
	V. MAR. 2014																	1		
OB	SERVER NAME	<b>=</b>					VESSEL NAN	ИЕ					OBSERVE	R TRIP ID NUMBER		SET No.		PAGE	OF	
				L	ONGLINE	SETS	SPECIFICA	TIONS	3					TARGET SPECIES	<u>я</u> — С		STA	ART OF	SET	
1	No. OF HOOKS	PER BASKET		LINE SE	ETTING SP	EED	- m/s kts	(circle	:	VES	SSEL SPEED	FOR SETTING (kts	5)	('X' to indicate)	T BE	SHIP'S I	DATE A M M	ND TIN	IE hh	m m
-	TOTAL No. OF	BASKETS		BRANC	CHLINE SE	T INTER	VAL (s)			SHA	ARK LINES or	floats (Hook N	o.99s)	TUNA						
	TOTAL No. OF	HOOKS		BETWE	EN BRAN	CHLINE	S (m)			Numbe	r.:	LENGTH (m):		SWORDFISH	ALL MUST BE RECORDED	UTC DA	TEAND M M	TIM E DD	h h	m m
l	ENGTH OF FL	OATLINE (m)		LENGT	H OF BRA	NCHLIN	IES (m)			V	VERE TDRs D	EPLOYED?	Y / N	SHARK	<b>-</b>			00	1	
	SHIP'S	LATITUDE		N	LO	NGITU	DE_	Е			MITIG	ATION		BAIT U	SED (tot	al weigh	t for EA	CH sp	ecies)	
9	TIME	( dd° mm.mmı	m')	S	( ddd°	mm.m	mm')	W	(۱	were any	of the follow	ing used for this s		SPECIES						
907	START SET										TORI POLE	S	Y / N	(KG)						No. of
SET		I art" and "End" position	e observe	ad directly	? Y	/ NI	If "N" exp	olain			BIRD CURTA	.IN	Y / N	HOOK NOs						LIGHT
S	vvere all ot	art and End position	3 00361 V		.   1 /	IN	in comme	ents		١	WEIGHTED LI	NES	Y / N	DA E DVED				+		STICKS
	END SET									UNDER	WATER SETT	ING CHUTE	Y / N	BLUE	/ / N	Y / N	I Y	/ N ]	Y / N	
HAUL LOG	START HAUL				Ship's	time	OR HAULING	ET DETAILS	Y / IN	COMMENTS - us low er po	ortion for	personal	w orkings	_	essary.					
										add up t	the total bask	ERVED DURING ets monitored from m LL-4 used in th	m the	F	ANY TO RE	U OBSER EVENTS CORD OI EN-3 TOD	N	reporte	d in	ES NO

<u>Observer Name</u> and <u>Vessel Name</u>: Always print each of these names out in full (e.g. an observer name "John Masa", and a vessel name "Hai Hsiang No. 959")

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<u>Were TDRs deployed? Y/N</u>: Circle Y (yes) if one or more temperature depth recorders are deployed at any time during the set

<u>Target Species</u> - Cross the box/es next to the main species the vessel is targeting during set. It is usually just one species but it could be more than one. **N.B.** to target a species gear must be set especially to catch that species. Retained bycatch was targeted.

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		SPC	/FFA	REGIC	ONAL LOI	NGLINE (	OBS	ERVER	-	SET a	nd HAUL	INFOR	RMATION				FC	ORN	/ LL·	-2/3
RE	/. MAR. 2014																			
	SERVER NAM	E				VESSELNAN	ИΕ					OBSERVE	R TRIP ID NUMBE	R	;	SET No.	F	PAGE	OF	
				L	LONGLINE SE	T SPECIFICA	TIONS	3					TARGET SPEC	CIES	щ о		STAF			
1	lo. OF HOOKS	S PER BASKET		LINES	ETTING SPEED	- m/s kts	(circle one)		VESSEL	L SPEED FO	OR SETTING (kts)	)	('X' to indicat	e)	8 2	SHIP'S DA	M M	D TIM	<b>1 E</b> h h	m m
_	OTAL No. OF	BASKETS		BRANG	CHLINE SET INT	TERVAL (s)			SHARK	LINES on f	loats (Hook No	o.99s)	TUNA		MUST					
_	OTAL No. OF	HOOKS		BETWE	EEN BRANCHLI	NES (m)		Nu	mber.:		LENGTH (m):		SWORDFISH		ALL RE(	UTC DATE		DD D	h h	m m
I	ENGTH OF FL	LOATLINE (m)		LENGT	TH OF BRANCH	ILINES (m)			WERE	TDRs DEF	LOYED?	Y / N	SHARK		·				Ш	
	SHIP'S	LATITUDE	,	N	LONGI <sup>T</sup>		E	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		MITIGAT	-	4 2 \		USE	D (tota	ıl weight f	or EAC	Hsp	ecies)	I
907	TIME START SET	( dd° mm.mm	m')	S	( ddd° mm	.mmm')	W	(were		ORI POLES	g used for this s	Y / N	SPECIES							
	-						<u></u>			D CURTAIN		Y / N	(KG)							No. of LIGHT
SET	Were all "St	tart" and "End" position	s observe	ed directly	y? Y / N	If "N" exp				SHTED LINE		Y / N	HOOK NOs							STICKS
	END SET							UNI	DERWAT	TER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Y	/ N	Y / N	Υ /	N,	Y / N	
HAUL 10G	START HAUL							Ship's time	UNU	SHAULING?	T DETAILS	Y/N	COMMENTS - low e	r porti	on for p	personal w d	orkings	-	one	
	END HAIII							(add	up the to	otal basket	RVED DURING s monitored from LL-4 used in the	n the			ANY I	OBSERVE EVENTS CORD ON N-3 TODA	-	reporte	YI ed in	ES NO

#### SET and HAUL INFORMATION

Use as many Form LL-2/3s per set and haul as necessary (usually one). N.B. (VERY IMPORTANT) - if there is a species target change part way through setting (e.g. completely different branchlines or very different setting depths are used) even if still using the same mainline, then start a new Form LL-2/3 for the different section of the set. (For clear + major changes only!)

<u>Observer Name</u> and <u>Vessel Name</u>: Always print each of these names out in full (e.g. an observer name "John Masa", and a vessel name "Hai Hsiang No. 959")

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		SPC	/FFA F	REGIO	NAL LONG	GLINE C	OBSI	ERVER	- SET a	nd HAUL	INFOR	MATION			FOF	RM LL	-2/3
	V. MAR. 2014 SERVER NAMI	=				VESSEL NAM	4 E				IOR SERVE	R TRIP ID NUMBER	·	SET No.	IDΛ	GE O	E
OL	JOEKVEK NAMI	_				VESSELIVAIV					OBSERVE	K TKIF ID NOMBER	`	SET NO.		GL O	
				L	ONGLINE SET	SPECIFICA <sup>®</sup>	TIONS					TARGET SPECI	IES Ш			OF SET	
1	No. OF HOOKS	S PER BASKET		LINE SE	TTING SPEED	- m/s kts	(circle		VESSEL SPEED FO	OR SETTING (kts)	)	('X' to indicate			M M D		n m m
-	TOTAL No. OF	BASKETS		BRANC	HLINE SET INTER	RVAL (s)	ĺ		SHARK LINES on	floats (Hook No	.99s)	TUNA	MUST				
-	TOTAL No. OF	HOOKS		BETWE	EN BRANCHLINE	S (m)		Nur	nber.:	LENGTH (m):		SWORDFISH	ALL MUST B	I OI C DAI	T <b>EANDTI</b> MM D		n m m
I	LENGTH OF FL	OATLINE (m)		LENGTH	H OF BRANCHLIN	NES (m)			WERE TDRs DE	PLOYED?	Y / N	SHARK	_				
	SHIP'S	LATITUDE		N	LONGITU	<u>DE</u>	Е		MITIGA	TION		BAIT	USED (to	tal weight	for EACH	species)	
9	TIME	( dd° mm.mmr	n')	S	( ddd° mm.m	ımm')	W	(were	any of the followir	ng used for this s		SPECIES					
907	START SET								TORI POLES		Y / N	(KG)					No. of
L	More all "St	I art" and "End" position:	c obcorvo	d directly	? Y / N	If "N" exp	l olain		BIRD CURTA I	N	Y / N	HOOK NOs					LIGHT
SE	vvere all St	art and End position:	s observe	u un ecny	f / IN	in comme	ents T		WEIGHTED LIN	ES .	Y / N						STICKS
	END SET							UNE	ERWATER SETTIN	IG CHUTE	Y / N	BAIT DYED BLUE	Y / N	Y / N	Y / N	Y / N	
HAUL LOG								Ship's time	UNUSUAL SE	? T DETAILS	Y/N	COMMENTS - low er	DID YO	DU OBSER\	vorkings if r	rcle one	-
								(add ı	up the total basket tom of each Form	s monitored fron	n the		TO R	PEVENTS ECORD ON EN-3 TOD		orted in	ES NU

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		SPC/F	FA REGI	ONA	AL LONG	GLINE C	BSI	ERVER	-	SET and HAUL	INFO	RMATION				FORM	I LL -	2/3
	SERVER NAM	E				VESSEL NAM	E				OBSERVE	ER TRIP ID NUMBER	2	SET	No.	PAGE	OF	
				LON	GLINE SET	SPECIFICAT	TIONS					TARGET SPECI	FS		S.	TART OF	SFT	
	No. OF HOOKS	S PER BASKET			NG SPEED			1 1	VESSEL	SPEED FOR SETTING (kts	s)	('X' to indicate	, B		IP'S DATE	AND TIM	E	
	TOTAL No. OF	BASKETS			NE SET INTER		one)	_		LINES on floats (Hook N		TUNA	TSUM	CORD	YY M M	DD	h h	m m
_	TOTAL No. OF				BRANCHLINE				mber.:	LENGTH (m):	T	SWORDFISH	₹	шиот	C DATE AN			l .
	LENGTH OF FL	LOATLINE (m)			F BRANCHLIN					TDRs DEPLOYED?	Y / N	SHARK	H-	~ ⊢	YY M M	DD	h h	<u>m m</u>
	SHIP'S	LATITUDE	N		LONGITU	DE	E			MITIGATION			USED (1	otal w	reight for E	ACH sp	ecies)	
40		( dd° mm.mmm'		(	ddd° mm.m		W	(were	any of th	he following used for this	set?)	SPECIES	(					
100	START SET	,		•		,			TO	ORI POLES	Y / N			+				No. of
,  -						lf "N" exp	lain		BIRI	D CURTAIN	Y / N							LIGHT
SFT	Were all "St	tart" and "End" positions o	bserved direct	tly?	Y / N	in comme			WEIG	GHTED LINES	Y / N							STICKS
	END SET							UNE	DERWAT	ER SETTING CHUTE	Y / N	BAIT DYED BLUE	Y / N	I Y	/ N Y	/ N	/ / N	
HAIII 10G	START HAUL							Ship's time	UNU	HARGED DURING SETTING HAULING?  SUAL SET DETAILS  TS OBSERVED DURING	Y / N	COMMENTS - low er	portion f	or pers	sonal workir		essary.	
	END HAUI							(add	up the to	otal baskets monitored fro each Form LL-4 used in the	m the		A TO	NY EVE RECOF	ENTS	reporte Journal	d in	S NO

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		SPC/FFA	REG	NOI	AL LON	GLINE (	OBS	ERV	ER	- SET and	I HAUL	INFOR	MATION				F	ORM	LL -	2/3
	V. MAR. 2014 SERVER NAM	E				VESSELNAN	ИE					OBSERVE	R TRIP ID NUMBE	R		SET No.		PAGE	OF	
				1.00	IGLINE SET	SDECIEICY	TIONS	2					TARRET ORFO	VIEO		I	OTAL	T 05 0		
_	I- 05 H00K	O DED DA OVET							.,	/FOOEL OPEED FOR O	OFFERING (I.t.)		('X' to indicat		BE ED	SHIP'S D		RT OF S		
		S PER BASKET			ING SPEED		one)			'ESSEL SPEED FOR S			`	<i>c)</i>	ST RDI		M M	DD II	h h	m m
	OTAL No. OF				INE SET INTE				Sł	HARK LINES on float	-	99s)	TUNA		MUST	UTC DAT	E AND :	<u> </u>		
	OTAL No. OF	HOOKS	BE	TWEEN .	BRANCHLINE	ES (m)			Numb	ber.: LE	ENGTH (m):		SWORDFISH		ALL MUST BE RECORDED		M M	DD	h h	m m
L	ENGTH OF FL	LOATLINE (m)	LEN	VGTH O	F BRANCHLI	NES (m)				WERE TDRs DEPLOY	YED?	Y / N	SHARK		,					
	SHIP'S	LATITUDE	N		LONGITU	JDE_	Е			MITIGATIO	N		BAIT	USE	D (tota	al weight 1	or EAC	Hspec	ies)	
9	TIME	( dd° mm.mmm' )	S	(	ddd° mm.n	nmm')	W	(	were a	any of the following us	sed for this se	et ?)	SPECIES							
3	START SET									TORI POLES		Y / N	(KG)							No. of
L	-			<u> </u>		If "N" exp	olain			BIRD CURTAIN		Y / N							_	LIGHT
SEI	Were all "St	tart" and "End" positions obse	rved dire	ectly?	Y / N	in comme				WEIGHTED LINES		Y / N	HOOK NOs							STICKS
	END SET START HAUL								UNDE	ERWATER SETTING C		Y / N	BAIT DYED BLUE	Y	/ N	Y / N	Υ /	N Y	/ N	
HAUL LOG								Ship's	stime	UNUSUAL SET DE	ETAILS	HAIII	COMMENTS - low e	r porti	on for <sub> </sub>	J OBSERV	orkings	-	sary.	
	END HAUL								(add up	SASKETS OBSERVE p the total baskets mo com of each Form LL-	onitored from	the			ANY TO RE	JOBSERV EVENTS CORD ON :N-3 TODA	,	reported i	YES	S NO

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		SPC	/FFA R	EGION	AL LONG	SLINE (	OBS	ERVE	ΞR	- SET ar	nd HAUL	INFOR	MATION				F	ORM	LL - 2	2/3
	V. MAR. 2014 SERVER NAME	<u> </u>				VESSEL NAM	ИΕ					OBSERVE	R TRIP ID NUMBE	R		SET No.		PAGE	OF	
				1.0	NGLINE SET S	SDECIEICA	TIONS						TARRET ORFO	150			OTA	DT OF	)FT	
_	h OF HOOKS	S PER BASKET			TING SPEED				1//	ESSEL SPEED FOI	D SETTING (Ida)		TARGET SPEC	e)	BE ED	SHIP'S D		RT OF S		
							one)						`		IST RDI	YY	M M	DD	h h	m m
	OTAL No. OF				LINE SET INTER					HARK LINES on fl		.99s) I	TUNA		ALL MUST BE RECORDED	UTC DAT	FAND	TIME		
	OTAL No. OF				N BRANCHLINE				Numb		LENGTH (m):		SWORDFISH	:	ALI RE		M M	DD	h h	m m
L	ENGTH OF FL	OATLINE (m)		LENGTH (	OF BRANCHLIN	JES (m)				WERE TDRs DEPL	OYED?	Y / N	SHARK							
	SHIP'S	LATITUDE		N	<u>LONGITU</u>		E			MITIGAT		. = \	BAIT	USED	(tota	l weight	for EA	CH spe	ies)	
90	TIME START SET	( dd° mm.mmı	m')	S	( ddd° mm.m	mm')	W	(1	were ai	ny of the following	used for this s		SPECIES							
70	OTAKT GET									TORI POLES		Y / N	(KG)							No. of
SET	Were all "Sta	ı art" and "End" position	s observed	L directly?	Y / N	If "N" exp	olain			BIRD CURTAIN		Y / N	HOOK NOs							LIGHT
S	Word all Oli		10 00001100	1 4 1 0 0 1 1 1	1 / 1	in comme	ents 			WEIGHTED LINES	3	Y / N	BAIT DYED							STICKS
	END SET START HAUL								UNDE	RWATER SETTING	CHUTE	Y / N	BLUE	Υ /	N	Y / N	Υ /	NY	/ N	
	START HAVE							Ship's		. DISCHARGED DU OR HAULING?	JRING SETTING	Y / N	COMMENTS - low er			ments fron personal w		-		g. Use
90																				
7																				
HAUL																				
H								-												
									_											
										UNUSUAL SET	DETAIL S									
										UNUSUAL SLI	DETAILS									
	END HAUL								add up	ASKETS OBSER the total baskets om of each Form I	monitored from	n the		т	ANY ORE	OBSERVEVENTS CORD ON N-3 TODA	-	circle on reported Journal <b>p</b>	YES	S NO

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RE	V. MAR. 2014																			
OE	SERVER NAME	E				VESSEL NAM	IE					OBSERVE	R TRIP ID NUMBE	R		SET No.		PAGE	OF	
				LO	NGLINE SET	SPECIFICA	TIONS	}					TARGET SPEC	CIES	шС		STAI	RT OF	SET	
ı	No. OF HOOKS	S PER BASKET		LINE SET	TING SPEED	- m/s kts	(circle one)		VESSEL	L SPEED FO	OR SETTING (kts)	)	('X' to indicat	:e)		SHIP'S D	ATEAN M M	DD	E hh	m m
·	TOTAL No. OF	BASKETS		BRANCH	LINE SET INTE	RVAL (s)			SHARK	LINES on f	loats (Hook No	.99s)	TUNA		MUST					
-	TOTAL No. OF	HOOKS		BETWEEN	N BRANCHLIN	IES (m)		Nu	mber.:		LENGTH (m):		SWORDFISH		ALL	UTC DAT	EAND M M	TIM E DD	h h	m m
ı	ENGTH OF FL	LOATLINE (m)		LENGTH	OF BRANCHL	.INES (m)			WERE	TDRs DEP	LOYED?	Y / N	SHARK							
	SHIP'S	LATITUDE		N	LONGIT		E	,		MITIGA	_		BAI	USE	D (tota	al weight	for EAC	CH spe	cies)	
907	TIME START SET	( dd° mm.mmı	n')	S	( ddd° mm.i	mmm')	W	(were		the following	g used for this s	et ?)	SPECIES							
77										DRI POLES	<u> </u>	Y / N	(KG)							No. of
SET	Were all "St	art" and "End" position	s observed	directly?	Y / N	If "N" exp				SHTED LINE		Y / N	HOOK NOs							LIGHT STICKS
	END SET							UNI		TER SETTIN		Y / N	BAIT DYED BLUE	Υ	/ N	Y / N	Υ /	N Y	/ N	
HAUL LOG	START HAUL							Ship's time	UNU	JSUAL SE	T DETAILS		COMMENTS - low e	r porti	ID YOU	J OBSERV EVENTS	erkings	circle or	ssary.	g. Use
	END HAUL							,			s monitored fron LL-4 used in thi				TO RE	EVENTS CORD ON N-3 TODA		reported	in	3 110

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		SPC/F	FA REGIO	NAL LON	GLINE C	DBS	ERVER	- SET ar	nd HAUL	INFOR	MATION				F	ORM	LL -	2/3
	EV. MAR. 2014 BSERVER NAMI	<b>=</b>			VESSEL NAM	IE				OBSERVE	R TRIP ID NUMBEI	R		SET No.		PAGE	OF	
L			L	ONGLINE SET	SPECIFICA <sup>-</sup>	TIONS	<u> </u>				TARGET SPEC	IFS			STA	RT OF S	FT	
	No. OF HOOKS	S PER BASKET		ETTING SPEED				VESSEL SPEED FOR	R SETTING (kts)		('X' to indicate		38 C	SHIP'S D	ATE AI	ID TIME		
	TOTAL No. OF	BASKETS		CHLINE SET INTER		one)		SHARK LINES on flo			TUNA		MUST	YY	M M	DD	h h	<u>m m</u>
	TOTAL No. OF	HOOKS		EN BRANCHLINE			_	nber.:	LENGTH (m):		SWORDFISH		ш	UTC DAT				
-	LENGTH OF FL			H OF BRANCHLIN				WERE TDRs DEPL		Y / N	SHARK		AL R	YY	M M	DD	h h	<u>m m</u>
F	SHIP'S	<u>LATITUDE</u>	N	LONGITU		E		MITIGAT				USF	D (tota	al weight	for FA	CH spec	ies)	
	T18.4E	( dd° mm.mmm'		( ddd° mm.m		W	(were a	any of the following		et ?)	SPECIES	-	٠٠٠ (١٥١	ar weight		on spec		
00.	START SET	(	, ,	(	,			TORI POLES		Y / N								No. of
L	_=				If "N" exp	Jain		BIRD CURTAIN		Y / N	(KG)							LIGHT
	Were all "St	art" and "End" positions o	bserved directly	? Y / N	in comme			WEIGHTED LINES	3	Y / N	HOOK NOs							STICKS
	END SET						UNDI	ERWATER SETTING	G CHUTE	Y / N	BAIT DYED BLUE	Υ	/ N	Y / N	Υ /	N Y	/ N	
301 11111							Ship's time	L DISCHARGED DL OR HAULING?		Y / N	COMMENTS - low er			ments from		-		g. Use
	END HAUL						(add u	BASKETS OBSER up the total baskets tom of each Form I	monitored from	n the			ANY TO RE	JOBSERV EVENTS CORD ON :N-3 TODA	-	circle one reported in Journal <b>p</b> (	YES	S NO

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	EV. MAR. 2014 BSERVER NAMI	<b>=</b>			VESSEL NAM	IE				OBSERVE	R TRIP ID NUMBEI	R		SET No.		PAGE	OF	
L			L	ONGLINE SET	SPECIFICA <sup>-</sup>	TIONS	<u> </u>				TARGET SPEC	IFS			STA	RT OF S	FT	
	No. OF HOOKS	S PER BASKET		ETTING SPEED				VESSEL SPEED FOR	R SETTING (kts)		('X' to indicate		38 C	SHIP'S D	ATE AI	ID TIME		
	TOTAL No. OF	BASKETS		CHLINE SET INTER		one)		SHARK LINES on flo			TUNA		MUST	YY	M M	DD	h h	<u>m m</u>
	TOTAL No. OF	HOOKS		EN BRANCHLINE			_	nber.:	LENGTH (m):		SWORDFISH		ш	UTC DAT				
-	LENGTH OF FL			H OF BRANCHLIN				WERE TDRs DEPL		Y / N	SHARK		AL R	YY	M M	DD	h h	<u>m m</u>
F	SHIP'S	<u>LATITUDE</u>	N	LONGITU		E		MITIGAT				USF	D (tota	al weight	for FA	CH spec	ies)	
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00.	START SET	(	, ,	(	,			TORI POLES		Y / N								No. of
L	_=				If "N" exp	Jain		BIRD CURTAIN		Y / N	(KG)							LIGHT
	Were all "St	art" and "End" positions o	bserved directly	? Y / N	in comme			WEIGHTED LINES	3	Y / N	HOOK NOs							STICKS
	END SET						UNDI	ERWATER SETTING	G CHUTE	Y / N	BAIT DYED BLUE	Υ	/ N	Y / N	Υ /	N Y	/ N	
301 11111							Ship's time	L DISCHARGED DL OR HAULING?		Y / N	COMMENTS - low er			ments from		-		g. Use
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				LO	NGLINE SET SPECIFICA	TIONS	}				TARGET SPEC		ш С		START C	FSET	
	No. OF HOOKS	S PER BASKET		LINE SET	TING SPEED - m/s kts	(circle		VESSEL SPEED FOR S	ETTING (kts)		('X' to indicat	e)	T BE	SHIP'S DA YY M	TEAND TI M DD	<b>M E</b> h h	m m
	TOTAL No. OF	BASKETS		BRANCH	ILINE SET INTERVAL (s)	ĺ		SHARK LINES on float	s (Hook No.	99s)	TUNA		MUST				
	TOTAL No. OF	HOOKS		BETWEE	N BRANCHLINES (m)			Number.: LE	NGTH (m):		SWORDFISH		ALL MUST BI RECORDED	UTC DATE	AND TIME		m m
	LENGTH OF FL	LOATLINE (m)		LENGTH	OF BRANCHLINES (m)			WERE TDRs DEPLOY	/ED?	Y / N	SHARK		∢ -				
	SHIP'S	LATITUDE		N	LONGITUDE	E		MITIGATION	N .		BAIT	USE	D (tota	al weight fo	or EACH s	pecies)	
(1	TIME	( dd° mm.mmn	n')	s	( ddd° mm.mmm' )	W	(w	ere any of the following us	ed for this se	et ?)	SPECIES						
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Ŀ					V / N If "N" exp	l olain		BIRD CURTAIN		Y / N							LIGHT
3	Were all "St	tart" and "End" positions	observe	d directly?	Y / N in comme			WEIGHTED LINES		Y / N	HOOK NOs						STICKS
	END SET						ı	UNDERWATER SETTING CH	HUTE	Y / N	BAIT DYED BLUE	Υ /	'N	Y / N	Y / N	Y / N	
HAUL LOG							Ship's t	FFAL DISCHARGED DURIN OR HAULING? ime	NO SELLINO	Y / N	COMMENTS - low e			personal w o			ng. GSC
								UNUSUAL SET DE							circl	e one	
	END HALL							AL BASKETS OBSERVE dd up the total baskets mo bottom of each Form LL-	onitored from	the		1	ANY TO RE	JOBSERVE EVENTS CORD ON N-3 TODAY	repor	Y	ES NO

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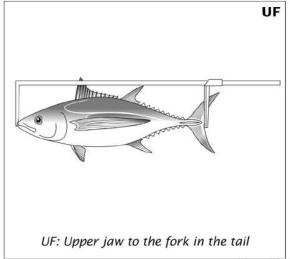
Total Baskets Observed and Events on FORM GEN-3 - These fields must be completed.

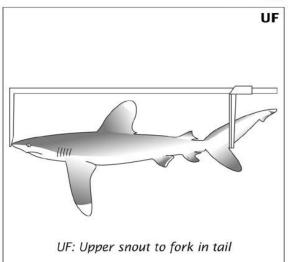
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# Longline Length Measurements

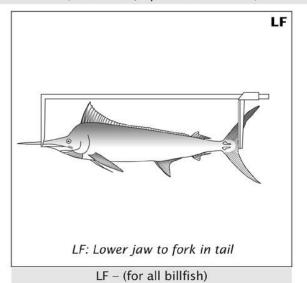
These are the best measurements to do onboard a longline vessel.

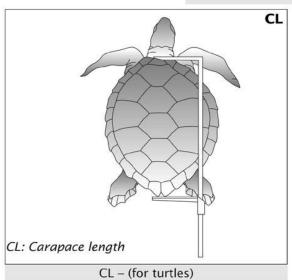


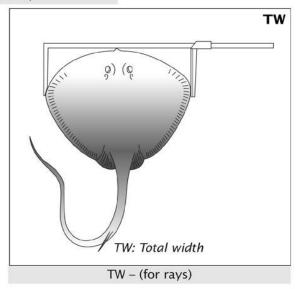




UF - (for all tuna, bycatch and sharks)







#### SPECIES OF SPECIAL INTEREST Country Codes CODE SPECIES AS American Samoa ΑU Australia TTX All Turtles B7 Beilze TTL Loggerhead Turtle CK Cook Islands LTB Leatherback Turtle CA Canada TUG Green Turtle EC Ecuador LKV Olive Ridley Turtle SV El Savador TTH Hawksbill Turtle FM Fed. States of Micronesia Eastern Pacific Green Turtle -KEZ FJ Fiji Islands Black Turtle FBT Flatback turtle FR France French Polynesia MAM All Marine Mammals GU Guam **ODN Toothed Whales** ID Indonesia FAW False Killer Whale IS International Waters SHW Short-Finned Pilot Whale JΡ Japan SPW Sperm Whale Kingdom of Tonga TO KPW Pygmy Killer Whale Kiribati И PYW Pygmy Sperm Whale KR Korea DWW Dwarf sperm Whale LT Lituania BCW Cuvier's Beaked Whale CN Mainland China BBW Blainville's Beaked Whale MY Malaysia MEW Melon Head Whale BZ Malta MH Marshall Islands **DLP** All Dolphins NR Nauru DBO **Bottlenose Dolphin** NL Netherlands DCO Common Dolphin NC New Caledonia DRR Risso's Dolphin NZ New Zealand Spinner Dolphin DSI NU Niue Spotted Dolphin DSP MR Northern Mariana DST Striped Dolphin PW Palau RTD Rough - toothed Dolphin PA Panama PG Papua New Guinea MYS Baleen Whales

TW	Chinese Taipei (Taiwan)	BRW	Bryde's whale
TK	Tokelau	MIW	Minke whale
TV	Tuvalu	HUW	Humpback whale
US	United States		
VU	Vanuatu	SHAR	KS
WF	Wallis and Futuna	RHN	Whale Shark
WS	Samoa	ocs	Oceanic White tip Shar

BLW

FIW

SIW

FAL

Bluewhale

Fin whale

Sei whale

Silky Shark

PH Philippines

Russia

Solomon Islands

RU

SB

BIZ	All Birds
DKN	Black-footed albatross
DIZ	Laysan albatross
ALZ	Albatrosses
SZV	<b>Boobies and Gannets</b>
PRX	Petrels and Shearwaters
LRD	Gulls, Terns and Skuas

# SPC/FFA REGIONAL OBSERVER

			VESSEL A	N	AIRCRAFT S	SIG	HTINGS / FISH, BU	NKERING a	nd O	THER 1	<b>TRANSF</b>	ERS LO	GS			FORM GEN - 1
	MAR. 2014															T- :
OBS	ERVER NAM	E					VESSEL NAME						OBSERVER	R TRIP ID NUN	1BER	PAGE OF
VE	SSEL O	R AIR	CRAFT SIGHTI	NG	S											
	SHIP'S	TIME	OBSERVER'S	VE	SSEL POSITION		SIGHTED VES	SSEL OR AIRCR	RAFT		COMPASS	DISTANCE	ACTION CODE	PHOTO		
	DATE	TIME	LATITUDE	N	LONGITUDE	Е	NAME	INTERNATIONAL	FLAG	TYPE	BEARING	(Nautical	(seen	FRAME #		COMMENTS
	(MMDD)	(hh mm)	(dd° mm.mmm')	S	(ddd° mm.mmm')	W		CALLSIGN		CODE	(degrees)	Miles)	vess)			
1																
2															<u> </u>	
3																
4																
5																
6																
7	7															
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FI	SH TRAN	ISFER	RING FISH DI	IME	PING BLINKERI	NG	by OBSERVER'S VESS	i Fi	l				<u> </u>			
	SHIP'S				ESSEL POSITION			ER VESSEL			FISH T	RANSFER	RED (circ	lo unite)	ACTION	
	DATE	TIME	LATITUDE	N	ı	E	0111	INTERNATIONAL		TYPE	SKJ	YFT	BET		ACTION CODE	COMMENTS
	(MMDD)	(hh mm)	(dd° mm.mmm')	S	(ddd° mm.mmm')	W	NAME	CALLSIGN	FLAG	CODE	WGT. NO			WGT. NO.	(host vess)	
1																
2																
3																
V	ESSEL AI	ND AIRC	RAFT TYPE COD	S	L		FLAG COUNTRY CODES			ACTION C	ODES	II.				OT DE METRIC TOWNS
1	SINGLE	PURSE SE	INE 8 SEARCH, A	NCH	OR OR LIGHT BOAT	1	IF COUNTRY IS NOT IN LIST WRITE NA	ME OF COUNTRY		• FISHING IN	ICLUDES ANY F			ALL WEI	JHIS MU	ST BE METRIC TONNES
3		ND LINE	9 FISH CARR 10 TRAWLER	EK			CN CHINA US USA	BZ BELIZE				IVING	GIV			
4 5	MOTHE TROLL		21 LIGHTAIRC		т		JP JAPAN PH PHILLIPINES TW TAIWAN PA PANAMA	SG SINGAPOR	RE P		FISHING SR	SET SHARING	SG	SETSHARIN	G (from o	(from hold in one boat to hold in other) one boat's net to another boat's hold)
6 7	NET BO BUNKE		22 HELICOPTE				KR KOREA HN HONDURAS	LK SRILANKA VU VANUATU		F NOT FISHIN F DUMPING I	FISH	BUNKERING		BUNKERING		
			31 OTHER - pl	ease	specify:						OR	OTHERsp	ecify OG	OTHER		

Rev. March 2014 Notes on FORM GEN - 1

Sighting vessels is a very important surveillance role of observers. If vessels are seen that could possibly be fishing illegally, record as much detail as possible. Don't hesitate to contact the "Observer Co-ordinator" at FFA or your local fishery division, by telex, fax or email, immediately you see such activity. Include all information about the vessel and its activities. An example of the format to use when reporting a sighting to FFA is at the bottom of this page. Please follow the format, and add any other comments at the end of the message.

Observer Name	Put first name first and last name last. Print name in full.
Vessel Name	Put vessel's full name. Names must not be abbreviated.
Observer Trip ID	Same on all Forms - issued to observer before leaving port.
Page of	If there is more than one page for the trip, number each page.

#### SIGHTED VESSEL OR AIRCRAFT

Be as thorough as you possibly can when filling this section of the form. Any small piece of information can assist in identifying the vessel. This is especially important if you can not see the name or call sign. If you can not get some information because it is not visible or impossible to work out, put a dash in the data field.

Date/Time	Ship's date / time at start of sighting or transfer activity (dd/mm/yy hh:mm)
Latitude dd°mm.mmm' Longitude ddd°mm.mmm'	Take positions from the GPS.  Record in degrees (2 digits for latitude and 3 for longitude), minutes and to 3 decimal place fractions of minutes
N S &	It is very important to record if latitude is North or South of the equator by writing "N" or "S" beside the position.
E W	Also be sure to note longitude as East or West of the 180° line. These can also be confirmed on the GPS.
Name (of sighted vessel)	If possible name the vessel you sighted. If you can't see the name properly, try to get a few of the letters from the name.
International Call-sign	If possible get any call signs or numbers that are visible.
Flag	Try to find out the flag country - often written on stern.
Type Code	"Vessel and aircraft <b>type codes</b> " are on front of Form.  E.g.: purse -seiner = 1; longliner = 2; etc.
Compass bearing (degrees) and Distance (nautical miles)	Check compass and radar for a bearing and an exact distance from the observer's vessel to the other vessel.  Estimate the distance if the radar is not available.
Action Code (seen vess)	In this section the "action code" describes the activity the sighted (seen) vessel is involved in when it was observed.  If unsure of the best code, describe the activity in "comments".
Photo Frame #	If taking a photo, record the camera's photo frame number.
Comments	Comments about the sighted vessel or aircraft that have not been covered on the form. (E.g., distinguishing features such as colour, hull design or shape, bridge position, etc.). Be as thorough as possible as this will help identify the vessel later, especially if you can not get a name or call-sign.

#### FISH TRANSFERRING, FISH DUMPING, BUNKERING by OBSERVER'S VESSEL

0	TION TRANSPERRING, FIGH DOWN ING, BOTTLERING BY OBSERVER STEEDEL		
Other vessel name		Name of any other vessel that is involved in a transfer operation with the observer's vessel.	
Inte	rnational callsign	The call-sign that should be visibly painted on the other vessel	
Type Code		Use the "Vessel and aircraft <b>type codes</b> " on front of this form to describe what type of vessel is receiving the fish.	
	SkipJack Weight	Total Weight of Skipjack that has been transferred	
	Yellowfin weight	Total Weight of Yellowfin that has been transferred	
R 8	Bigeye Weight	Total Weight of Bigeye that has been transferred	
TRANSFERRED	"Blank" Weight	Record the species code for any other type of species that are being transferred.	
ļ	Action Code	See codes on front of Form.	
FISH	Comments	Comment about the transfer activities that take place	
		(e.g.: method used; problems; destination of the fish; etc.)	

#### CODES

CODES	
Vessel & Aircraft type codes	To make recording easier, each type of vessel has a unique number code (see code table). Be careful using number codes.
Action Codes	Here describes the activity of the observer's vessel. If with another vessel be sure to use a code that shows whether the observer's (host) vessel receives ("_R") or it gives ("_G") items.
(host vess)  Host vessel = vessel that	If more than one action is taking place record the most important (usually to do with fish transfer) in the "ACTION" column and the second action code in the comments column.
observer is on.	TR, TG - transferring fish between vessel holds
Use the "?R" codes if host vessel is receiving fish or items from another vessel. Use the "?G" codes if the host vessel is giving fish or items to another vessel	SR, SG - set sharing - when vessel has too many fish after all wells are filled (usually from its last set) and another vessel is invited to brail the remaining fish from the its net.  BR, BG - bunkering - when one vessel takes fuel from another OR, OG - other - if vessels meet to transfer other items  DF - dumping fish - because bad, damaged or too many
Flag Country Codes	Try to identify country that vessel comes from either by seeing the actual flag flying or by the home-port name on the stern.

### Report Format Example.

To FFA Observer Co-ordinator

sighting - Jun. 23-1400Z- - Pos. 0512345S -15612233E Moon-shadow -Q2344 flag KR - type 2 - dir. 180 - dis 3 act fi photo Xtra large green stripe on hull. Regards. "observer name"

This explains that on 23rd June a Korean longline vessel was sighted fishing at the position with latitude: 05°12.345'S and longitude: 156°12.233'E. The name of the vessel is *Moonshadow* and its callsign is Q2344. It has a large green stripe on the hull and a photo has been taken by the observer.

# SPC/FFA REGIONAL OBSERVER

FORM GEN - 1

**VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS** REV. MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF VESSEL OR AIRCRAFT SIGHTINGS SHIP'S TIME **ACTION OBSERVER'S VESSEL POSITION** SIGHTED VESSEL OR AIRCRAFT COMPASS DISTANCE CODE **PHOTO BEARING COMMENTS** LATITUDE LONGITUDE Ε INTERNATIONAL TYPE (Nautical DATE TIME FRAME# (seen FLAG NAME (hh mm) CALLSIGN CODE Miles) (MMDD) (dd° mm.mmm') S (ddd° mm.mmm') (degrees) vess) 2 3 5 6 8 9 10 12 13 14 15 16 17 FISH TRANSFERRING, FISH DUMPING, BUNKERING by OBSERVER'S VESSEL SHIP'S TIME OTHER VESSEL FISH TRANSFERRED (circle units) **OBSERVER'S VESSEL POSITION** ACTION CODE COMMENTS Ε LONGITUDE DATE TIME LATITUDE INTERNATIONAL TYPF SK.I YFT NAME FLAG (host vess) (hh mm) CALLSIGN CODE WGT. NO. WGT. NO. WGT. NO. WGT. NO. (MMDD) (dd° mm.mmm') | S (ddd° mm.mmm') W 2 3 **VESSEL AND AIRCRAFT TYPE CODES FLAG COUNTRY CODES ACTION CODES** ALL WEIGHTS MUST BE METRIC TONNES SINGLE PURSE SEINE 8 SEARCH, ANCHOR OR LIGHT BOAT • IF COUNTRY IS NOT IN LIST WRITE NAME OF COUNTRY FISHING INCLUDES ANY FISHING RELATED LONGLINE 9 FISH CARRIER ACTIVITY NOT OTHERWISE COVERED HERE **POLE AND LINE** 10 TRAWLER CN CHINA US USA BZ BELIZE RECEIVING GIVING TR TRANSHIPPING FISH TG TRANSHIPPING FISH .... (from hold in one boat to hold in other) MOTHERSHIP ΙΡ ΙΔΡΔΝ PH PHILLIPINES RU RUSSIA FI FISHING TROLL 21 LIGHT AIRCRAFT TW TAIWAN PA PANAMA SG SINGAPORE PF POSSIBLY FISHING SR SET SHARING SG SET SHARING...... (from one boat's net to another boat's hold) **NET BOAT** 22 HELICOPTER KR KOREA HN HONDURAS LK SRILANKA NF NOT FISHING BR BUNKERING BG BUNKERING VU VANUATU DF DUMPING FISH BUNKER OR OTHER ..specify... OG OTHER \_\_\_\_\_ 31 OTHER - please specify:

Rev. March 2014 Notes on FORM GEN - 1

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Observer Name	Put first name first and last name last. Print name in full.
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Page of	If there is more than one page for the trip, number each page.

#### SIGHTED VESSEL OR AIRCRAFT

Be as thorough as you possibly can when filling this section of the form. Any small piece of information can assist in identifying the vessel. This is especially important if you can not see the name or call sign. If you can not get some information because it is not visible or impossible to work out, put a dash in the data field.

Date/Time	Ship's date / time at start of sighting or transfer activity (dd/mm/yy hh:mm)
Latitude dd°mm.mmm' Longitude ddd°mm.mmm'	Take positions from the GPS.  Record in degrees (2 digits for latitude and 3 for longitude), minutes and to 3 decimal place fractions of minutes
N S &	It is very important to record if latitude is North or South of the equator by writing "N" or "S" beside the position.
E W	Also be sure to note longitude as East or West of the 180° line. These can also be confirmed on the GPS.
Name (of sighted vessel)	If possible name the vessel you sighted. If you can't see the name properly, try to get a few of the letters from the name.
International Call-sign	If possible get any call signs or numbers that are visible.
Flag	Try to find out the flag country - often written on stern.
Type Code	"Vessel and aircraft <b>type codes</b> " are on front of Form.  E.g.: purse -seiner = 1; longliner = 2; etc.
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#### FISH TRANSFERRING, FISH DUMPING, BUNKERING by OBSERVER'S VESSEL

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TRANSFERRED	"Blank" Weight	Record the species code for any other type of species that are being transferred.	
ļ	Action Code	See codes on front of Form.	
FISH	Comments	Comment about the transfer activities that take place	
		(e.g.: method used; problems; destination of the fish; etc.)	

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observer is on.	TR, TG - transferring fish between vessel holds
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This explains that on 23rd June a Korean longline vessel was sighted fishing at the position with latitude: 05°12.345'S and longitude: 156°12.233'E. The name of the vessel is *Moonshadow* and its callsign is Q2344. It has a large green stripe on the hull and a photo has been taken by the observer.

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE ΩF SPECIES CODE SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W MM DD (ddmm.mmm') (dddmm.mmm') **OBSERVER SIGHTING** hh mm DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** ORGANISATION TAGNUMBER TYPE ORGANISATION TYPE **TAG NUMBER** INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY → SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) Condition END of INTERACTION: Conditio CONDITION DESCRIPTION No. CONDITION DESCRIPTION No. INTERACTION Code CONDITION **START of** DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SEARCHING SETTING HAULING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER OF JUVENILES ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER SIGHTED NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM VESSEL

Distance from Vessel (m)

#### SPECIES OF SPECIAL INTEREST

Rev. Mar. 2014	SPECIES OF SPECIAL INTEREST	Notes for GEN -2			
Observer Name	Print your name in full. First name first, then your family name (e.g "John Masa")	).			
Vessel Name	<b>ssel Name</b> Print the vessel's name in full. Do not use abbreviations.				
Observer Trip ID Number	This is the number issued by your observer programme. It will be the same all tr	rip.			
Pageof	Number all the GEN-2 forms together,in sequence. Continue until the trip is comp	lete.			
Species Code	Use the three-letter FAO species code.				
-	Use this field to describe some of the identifying features of the species. This m	ay help us to correctly			
Species Description	identify the species. Consider the colour, any distinctive markings, the shape of	the head, fins, tail, the			
	position of the blow hole and the place of the fins in relation to other body parts.				
Tick to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special intere	st had with the vessel. For			
	instance, if you a marine mammal that was interacting with the vessel (swimmin	g around the vessel) and			
encounter	it was subsequently landed, tick 'landed on deck'.				
Time of <u>first</u> observer sighting	Note the time the observer FIRST noted the species of special interest.				
	Note the ship's date and time, and the position at the start of the final encounter.	For instance, if the final			
Details of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the	interaction. Otherwise			
(for any landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interactio	n. If the final encounter is			
	landed on deck you must record the start of set ship's time from PS-2, PL-2 or the	ne ship's time landed from			
Latituda / Laurituda	Note start of set position for species landed on deck. If a species was only sigl	hted or only interacted			
Latitude / Longitude	with gear, note position the vessel was in when species was first seen.	•			
Did the Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer	saw the SSI before the set			
before the set?	was made. This question is most relevant for PS vessels, but should be answer	red for all gears.			
SPECIES LANDED ON DECK:					
AQ Alice but weekle to describe any distance. Name allowed and CEN 2 few arrays CSU landed but if many arring allowed					

	Defote the Set:				
	SPECIES LANDED ON DECK:				
A0 - Alive but unable to		scribe condition.	Normally use one GEN-2	for every SSI landed, but if many animals are	
ES	A1 - Alive and healthy.		landed in a PS set use the	GEN-2 supplement to record condition, length,	
		tressed.	and sex of up to 30; then	use a PS-4 to record lengths if more than 30.	
	A3 - Alive, but unlikely to liv				
USE THE NDITION	A4 - Entangled, okay.	<b>D</b> - D	Dead	<b>U</b> - Condition unknown.	
USE TI	A5 - Entangled, injured.	<b>D1</b> - E	Entangled, dead	<b>U1</b> - Entangled, unknown condition.	
N	A6 - Hooked, externally, inj		Hooked, externally, dead.	<b>U2</b> - Hooked, externally, condition unknown	
0	A7- Hooked, internally, inju		Hooked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.	
	A8 - Hooked, unknown, inju		Hooked, unknown, dead.	<b>U4 -</b> Hooked, unknown, condition unknown.	
Cond	dition description	Write a description	n of the condition of the spec	ies when landed / discarded. This may help to	
Conc	dition description	further assess the condition of the landed / discard species.			
Des	cribe the Interaction/	Make detailed not	es on the SSI from the mome	ent it interacted with the boat to the point of its	
treat	ment/ release	release. Continue	the description in the journa	I and record page no. on the form. Refer to	
		WCPFC RHN han			
Lend	gth / Length code	·	_	ent for any m.mammals, sharks and a CL	
		measurement for			
Sex (M-F-I-U) M - male, F- Fema		ale, I - Indeterminate (checke	d, but not clear), U - unknown (not checked).		
TAGS Record all details about any tags placed or found on the spec		placed or found on the species here.			
Type	of Tags	Record if it was a	common dart, an archival (st	itched inside body), or a pop-up (stiched to the	
Туре	e of Tags	outside of the body) tag.			

## INTERACTIONS WITH VESSEL OR VESSEL GEAR:

"Interactions" are when a SSI touches, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel. Examples may include: whales/dolphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near vessel or net to be fed, SSI's hooked on longlines but not landed. Use one form per species per incident. If there are more than five SSI landed from any one set use the supplementary GEN-2 form.

inve dorianaca iroin ariy one 3	et use the supplementary GEN 2 form.		
essel's Activity  Tick to indicate the vessel's activity when the interaction was first noted.			
Condition - No. - Code	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.		
- Description	Add any notes (words) that may help further define condition the SSI condition,. For instance, i it was am A2 condition you could mention that the SSI was 'Bleeding heavily" to clarify its		
DESCRIBE INTERACTION and if	Make detailed notes on the interaction.		
relevant any TREATMENT / RELE	ASE If more space is needed use the observer's journal and mark the page number here.		
	SPECIES SIGHTED:		
	ar as an observer can tell, seem not to be directly affected by the vessel's presence.  Past 100m away. However, when so close, observe carefully for interaction behaviour.		
Vessel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
Number Sighted	Record the total number of species sighted for this date and time.		
Number of Adults	If more than one animal is involved, record the number of adults you can see.		
Number of Juvenilles  If you can see juvenilles with the pod of whales or dolphins record the number here.  Otherwise record all animals under "number of adults".			
Species Behaviour	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: wake riding (swimming close behind boat); bow riding (swimming off the bow of the boat); logging (floating motionless in a group); breaching (launching themselves into the air head first and then falling back into the water		

with a splash); *lobtailing* (tail slapping); *playing* (having fun !); etc.

Estimate the distance the species was from the vessel.

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 **SPECIES OF SPECIAL INTEREST** REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE | SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W $\mathsf{M}\,\mathsf{M}$ DD (ddmm.mmm') (dddmm.mmm') OBSERVER SIGHTING DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION CODE **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** TAGNUMBER ORGANISATION ORGANISATION TYPE TAGNUMBER TYPE INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY DURING INTERACTION SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) Condition No. CONDITION DESCRIPTION No. CONDITION DESCRIPTION TERACTION NTERACTION Code Code START of END of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER SIGHTED NUMBER OF JUVENILES ESTIM ATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER OF ADULTS

SPECIES BEHAVIOUR WHEN SIGHTED

DISTANCE FROM VESSEL

m

Rev. I	Mar. 2014	SPECIES OF SPECIAL INTEREST Notes for GEN -2		
	erver Name	Print your name in full. First name first, then your family name (e.g "John Masa").		
	el Name	Print the vessel's name in full. Do not use abbreviations.		
	erver Trip ID Number	This is the number issued by your observer programme. It will be the same all trip.		
Page	eof cies Code	Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.  Use the three-letter FAO species code.		
Sper	cies code	Use this field to describe some of the identifying features of the species. This may help us to correctly		
Spec	cies Description	identify the species. Consider the colour, any distinctive markings, the shape of the head, fins, tail, the		
		position of the blow hole and the place of the fins in relation to other body parts.		
Tick	to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special interest had with the vessel. Fo		
enco	ounter	instance, if you a marine mammal that was interacting with the vessel (swimming around the vessel) and it was subsequently landed, tick 'landed on deck'.		
Time	of <u>first</u> observer sighting	Note the time the observer FIRST noted the species of special interest.		
		Note the ship's date and time, and the position at the start of the final encounter. For instance, if the final		
	is of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the interaction. Otherwise		
(for any	landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interaction. If the final encounter is landed on deck you must record the start of set ship's time from PS-2, PL-2 or the ship's time landed from		
		Note start of set position for species landed on deck. If a species was only sighted or only interacted		
Latitu	ude / Longitude	with gear, note position the vessel was in when species was first seen.		
	ne Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer saw the SSI before the se		
befor	e the set?	w as made. This question is most relevant for PS vessels, but should be answered for all gears.		
		SPECIES LANDED ON DECK:		
	A0 - Alive but unable to des			
ES	A1 - Alive and healthy.	landed in a PS set use the GEN-2 supplement to record condition, length,		
USE THESE CONDITION CODES	A2- Alive, but injured or dist			
USE THESE	A3 - Alive, but unlikely to liv	ve.		
급은	A4 - Entangled, okay.	<b>D</b> - Dead <b>U</b> - Condition unknown.		
Sn	A5 - Entangled, injured.	<b>D1</b> - Entangled, dead <b>U1</b> - Entangled, unknown condition.		
ᆼ	A6 - Hooked, externally, inj			
	A7- Hooked, internally, inju	·		
	A8 - Hooked, unknown, inju			
Cond	dition description	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.		
Des	cribe the Interaction/	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its		
treat	ment/ release	release. Continue the description in the journal and record page no. on the form. Refer to		
		WCPFC RHN handling guidelines.		
Leng	gth / Length code	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.		
Sex	(M-F-I-U)	M - male, F- Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).		
	TAGS	Record all details about any tags placed or found on the species here.		
		Record if it was a common dart, an archival (stitched inside body), or a pop-up (stiched to the		
Туре	of Tags	outside of the body) tag.		
		INTERACTIONS WITH VESSEL OR VESSEL GEAR:		
"Inte	ractions" are when a SSI touch	es, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel.		
Exan	nples may include: whales/do	Iphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near		
		ed on longlines but not landed.  Use one form per species per incident.If there are more than		
five S	SSI landed from any one set u	use the supplementary GEN-2 form.		
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
Cond	dition - No.	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition,		
	- Code	at start, and again at end, of the interaction with the vessel or vessel gear.		
	- Description	Add any notes (words) that may help further define condition the SSI condition,. For instance, if		
DESC	RIBE INTERACTION and if	it was am A2 condition you could mention that the SSI was 'Bleeding heavily" to clarify its		
	RIBE INTERACTION and IT ant any TREATMENT / RELEASE	Make detailed notes on the interaction.  If more space is needed use the observer's journal and mark the page number here.		
	,	SPECIES SIGHTED:		
Sight	rings' refer to SSIs that. as far a	as an observer can tell, seem not to be directly affected by the vessel's presence.		
_	=	100m away. However, when so close, observe carefully for interaction behaviour.		
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
	ber Sighted	Record the total number of species sighted for this date and time.		
	ber of Adults	If more than one animal is involved, record the number of adults you can see.		
		If you can see juvenilles with the pod of whales or dolphins record the number here.		
Num	ber of Juvenilles	Otherwise record all animals under "number of adults".		
		Describe the behaviour of the animal in the water. Use own words but some technical terms		
		that may be helpful include: wake riding (swimming close behind boat);		
Spec	cies Behaviour	bow riding (swimming off the bow of the boat); logging (floating motionless in a group);		
		breaching (launching themselves into the air head first and then falling back into the water		
		with a splash); lob tailing (tail slapping); playing (having fun !); etc.		
Dista	ince from Vessel (m)	Estimate the distance the species was from the vessel.		

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W MM DD hh (ddmm.mmm') (dddmm.mmm') **OBSERVER SIGHTING** mm DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set **SPECIES LANDED ON DECK:** CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED PLACED ORGANISATION **TAG NUMBER** TYPE ORGANISATION TYPE **TAG NUMBER** INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY → SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) Condition Conditio CONDITION DESCRIPTION CONDITION DESCRIPTION No. INTERACTION No. INTERACTION Code CONDITION START of END of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SEARCHING SETTING HAULING TRANSITING OTHER (specifiy) WHEN SIGHTED NUMBER OF JUVENILES ESTIM ATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER SIGHTED NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM

VESSEL

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Rev. N	∕/ar. 2014	SPECIES OF SPECIAL INTEREST	Notes for GEN -2		
Obse	erver Name	Print your name in full. First name first, then your family name (e.g "John Masa")			
	el Name	Print the vessel's name in full. Do not use abbreviations.			
	erver Trip ID Number	This is the number issued by your observer programme. It will be the same all tr	•		
Page		Number all the GEN-2 forms together,in sequence. Continue until the trip is comp Use the three-letter FAO species code.	lete.		
Species Code		Use this field to describe some of the identifying features of the species. This m	av help us to correctly		
Spec	cies Description	identify the species. Consider the colour, any distinctive markings, the shape of			
_	•	position of the blow hole and the place of the fins in relation to other body parts.			
Tick	to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special intere			
enco	ounter	instance, if you a marine mammal that was interacting with the vessel (swimmin it was subsequently landed, tick 'landed on deck'.	g around the vessel) and		
Time	of <u>first</u> observer sighting	Note the time the observer FIRST noted the species of special interest.			
	•	Note the ship's date and time, and the position at the start of the final encounter.	For instance, if the final		
Detai	Is of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the interaction. Otherwise			
(for any	landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interactio			
		landed on deck you must record the start of set ship's time from PS-2, PL-2 or the Note start of set position for species landed on deck. If a species was only sigli	•		
Latitu	ıde / Longitude	with gear, note position the vessel was in when species was first seen.	ited of offiny interacted		
Did th	ne Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer	saw the SSI before the set		
befor	e the set?	was made. This question is most relevant for PS vessels, but should be answer	ed for all gears.		
		SPECIES LANDED ON DECK:			
	A0 - Alive but unable to des	cribe condition. Normally use one GEN-2 for every SSI landed, but	t if many animals are		
ES	A1 - Alive and healthy.	landed in a PS set use the GEN-2 supplement to re	_		
USE THESE	A2- Alive, but injured or dis		gths if more than 30.		
USE THESE	A3 - Alive, but unlikely to liv	æ.			
티	A4 - Entangled, okay.	D - Dead U - Condition unknow	'n.		
SN IN	A5 - Entangled, injured.	<b>D1</b> - Entangled, dead <b>U1</b> - Entangled, unkn			
8	A6 - Hooked, externally, inj		ally, condition unknown		
	A7- Hooked, internally, inju	· · · · · · · · · · · · · · · · · · ·	ly, condition unknown.		
	A8 - Hooked, unknown, inju		n, condition unknown.		
Cond	lition description	Write a description of the condition of the species when landed / discard	ded. This may neip to		
Des	cribe the Interaction/	further assess the condition of the landed / discard species.  Make detailed notes on the SSI from the moment it interacted with the boat to the point of its			
	ment/ release	release. Continue the description in the journal and record page no. or	•		
		WCPFC RHN handling guidelines.			
Leng	jth / Length code	Measure the species using an UF measurement for any m.mammals,	sharks and a CL		
Sex	(M-F-I-U)	measurement for turtles.  M - male, F - Female, I - Indeterminate (checked, but not clear), U - unkn	own (not checked).		
	TAGS	Record all details about any tags placed or found on the			
		Record if it was a common dart, an archival (stitched inside body), or a			
Туре	of Tags	outside of the body) tag.	pop up (outeriou to uito		
		INTERACTIONS WITH VESSEL OR VESSEL GEAR:			
"Inter	actions" are when a SSI touch	es, or is directly affected by the presence of the catcher vessel, its gear, o	or tender vessel.		
		lphins inside a purse seine net; dolphins riding vessel bow waves; pilot			
vesse	el or net to be fed, SSI's hooke	d on longlines but not landed. Use one form per species per incident	If there are more than		
five S	SSI landed from any one set (	se the supplementary GEN-2 form.			
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted			
Cond	dition - No.	Use GEN-2 condition codes, above, to describe how many of a species	are in each condition,		
Conc	- Code	at start, and again at end, of the interaction with the vessel or vessel ge	ar.		
	- Description	Add any notes (words) that may help further define condition the SSI co			
DE00		it was am A2 condition you could mention that the SSI was 'Bleeding he	avily" to clarify its		
	RIBE INTERACTION and if	Make detailed notes on the interaction.			
T C IC V	ant any TREATMENT / REEEASE	If more space is needed use the observer's journal and mark the page  SPECIES SIGHTED:	number nere.		
Siaht	ings' refer to SSIs that, as far a	is an observer can tell, seem not to be directly affected by the vessel's pr	esence.		
_	=	100m away. However, when so close, observe carefully for interaction b			
	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted			
Num	ber Sighted	Record the total number of species sighted for this date and time.			
Num	ber of Adults	If more than one animal is involved, record the number of adults you ca	n see.		
N	har of Invanillas	If you can see juvenilles with the pod of whales or dolphins record the r	number here.		
INUM	ber of Juvenilles	Otherwise record all animals under "number of adults".			
		Describe the behaviour of the animal in the water. Use own words but	some technical terms		
		that may be helpful include: wake riding (swimming close behind boat			
Species Behaviour		bowriding (swimming off the bow of the boat); logging (floating motion			
		breaching (launching themselves into the air head first and then falling	back into the water		
		with a splash); lob tailing (tail slapping); playing (having fun !); etc.			
. I Ni of o	nce from Vessel (m)	Estimate the distance the species was from the vessel.			

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE | SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W $\mathsf{M}\,\mathsf{M}$ (ddmm.mmm') (dddmm.mmm') OBSERVER SIGHTING DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION CODE **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** TAGNUMBER ORGANISATION ORGANISATION TYPE TAGNUMBER TYPE INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY DURING INTERACTION: SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) No. CONDITION DESCRIPTION No. CONDITION DESCRIPTION INTERACTION NTERACTION Code Code CONDITION START of END of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE SPECIES SIGHTED VESSEL ACTIVITY SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER OF JUVENILES ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail) NUM BER SIGHTED NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM VESSEL m

Rev. N	<i>N</i> ar. 2014	SPECIES OF SPECIAL INTEREST	Notes for GEN -2	
Obse	rver Name	Print your name in full. First name first, then your family name (e.g "John Masa").		
	el Name	Print the vessel's name in full. Do not use abbreviations.		
	erver Trip ID Number	This is the number issued by your observer programme. It will be the same all trip.		
Page		Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.		
	cies Code	Use the three-letter FAO species code.		
		Use this field to describe some of the identifying features of the species. This may h	elp us to correctly	
Spec	cies Description	identify the species. Consider the colour, any distinctive markings, the shape of the h		
		position of the blow hole and the place of the fins in relation to other body parts.		
Tick	to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special interest ha		
enco	ounter	instance, if you a marine mammal that was interacting with the vessel (swimming are	ound the vessel) and	
Time	of first observer sighting	it was subsequently landed, tick 'landed on deck'.  Note the time the observer FIRST noted the species of special interest.		
111110	er <u>inot</u> esser ver eignang	Note the ship's date and time, and the position at the start of the final encounter. For	instance, if the final	
Detai	Is of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the inter		
	landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interaction.	the final encounter is	
		landed on deck you must record the start of set ship's time from PS-2, PL-2 or the sh	ip's time landed from	
Latitu	ıde / Longitude	Note start of set position for species landed on deck. If a species was only sighted	or only interacted	
		with gear, note position the vessel was in when species was first seen.		
	ne Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer saw		
befor	e the set?	was made. This question is most relevant for PS vessels, but should be answered f	or all gears.	
		SPECIES LANDED ON DECK:		
	A0 - Alive but unable to des	cribe condition. Normally use one GEN-2 for every SSI landed, but if n	nany animals are	
S	<b>A1</b> - Alive and healthy.	landed in a PS set use the GEN-2 supplement to record	l condition, length,	
100	A2- Alive, but injured or dist	ressed. and sex of up to 30; then use a PS-4 to record lengths	if more than 30.	
USE THESE CONDITION CODES	A3 - Alive, but unlikely to liv			
H O	A4 - Entangled, okay.	D - Dead U - Condition unknown.		
SE	<b>A5</b> - Entangled, injured.	D1 - Entangled, dead U1 - Entangled, unknown	agndition	
J	_			
ပ	A6 - Hooked, externally, inj			
	A7- Hooked, internally, injur			
	A8 - Hooked, unknown, inju			
Cond	lition description	Write a description of the condition of the species when landed / discarded	. This may help to	
	<u> </u>	further assess the condition of the landed / discard species.	(- (l ( - 6 °) -	
	cribe the Interaction/	Make detailed notes on the SSI from the moment it interacted with the boat	•	
treat	ment/ release	release. Continue the description in the journal and record page no. on the	e form. Refer to	
		WCPFC RHN handling guidelines.  Measure the species using an UF measurement for any m.mammals, sha	rks and a CI	
Leng	ıth / Length code	measurement for turtles.	ino ana a oz	
Sex	(M-F-I-U)	M - male, F- Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).		
	<u> </u>			
	TAGS	Record all details about any tags placed or found on the spec		
Туре	of Tags	Record if it was a common dart, an archival (stitched inside body), or a pop	-up (sticned to the	
71		outside of the body) tag.		
		INTERACTIONS WITH VESSEL OR VESSEL GEAR:		
"Inter	actions" are when a SSI touch	es, or is directly affected by the presence of the catcher vessel, its gear, or te	nder vessel.	
Exan	nples may include: whales/do	phins inside a purse seine net; dolphins riding vessel bow waves; pilot wha	les waiting near	
vesse	el or net to be fed, SSI's hooke	d on longlines but not landed. Use one form per species per incident.If the	ere are more than	
five S	SSI landed from any one set เ	se the supplementary GEN-2 form.		
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
	<u> </u>	Use <b>GEN-2 condition codes,</b> above, to describe how many of a species are	e in each condition.	
Cond	lition - No.	at start, and again at end, of the interaction with the vessel or vessel gear.	,	
	- Code	Add any notes (words) that may help further define condition the SSI condit	ion For instance if	
	<ul> <li>Description</li> </ul>	it was am A2 condition you could mention that the SSI was 'Bleeding heavil		
DESCRIBE INTERACTION and if		Make detailed notes on the interaction.	,, <b>.</b>	
			nber here.	
	-	SPECIES SIGHTED:		
Sight	ings' refer to SSIs that as far a	s an observer can tell, seem not to be directly affected by the vessel's prese	nce	
_	=	s an observer can len, seem not to be unectly anected by the vessers prese 100m away. However, when so close, observe carefully for interaction beha		
Vessel's Activity		Tick to indicate the vessel's activity when the interaction was first noted.		
	<u>*</u>	·		
-	ber Sighted	Record the total number of species sighted for this date and time.		
Number of Adults If more than one animal is involved, record the number of adults you can see.			ee.	
NI	han of linearities	If you can see juvenilles with the pod of whales or dolphins record the num	ber here.	
Num	ber of Juvenilles	Otherwise record all animals under "number of adults".		

Estimate the distance the species was from the vessel.

**Species Behaviour** 

Distance from Vessel (m)

that may be helpful include: wake riding (swimming close behind boat);

with a splash); lobtailing (tail slapping); playing (having fun !); etc.

Describe the behaviour of the animal in the water. Use own words but some technical terms

bow riding (swimming off the bow of the boat); logging (floating motionless in a group); breaching (launching themselves into the air head first and then falling back into the water

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE | SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE LONGITUDE Е s W $\mathsf{M}\,\mathsf{M}$ DD mm (ddmm.mmm') (dddmm.mmm') **OBSERVER SIGHTING** DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION CODE **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED PLACED TAGNUMBER ORGANISATION ORGANISATION TYPE TAGNUMBER TYPE INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY DURING INTERACTION: → SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) END of INTERACTION: No. CONDITION DESCRIPTION No. CONDITION DESCRIPTION NTERACTION Code Code START of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER SIGHTED NUMBER OF JUVENILES ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM VESSEL

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#### SPECIES OF SPECIAL INTEREST

Rev. Ivial. 2014	SPECIES OF SPECIAL INTEREST	Notes for GEN -2	
Observer Name	Print your name in full. First name first, then your family name (e.g "John Masa	h").	
Vessel Name	Print the vessel's name in full. Do not use abbreviations.		
Observer Trip ID Number This is the number issued by your observer programme. It will be the same all trip.			
Page of Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.			
Species Code	es Code Use the three-letter FAO species code.		
•	Use this field to describe some of the identifying features of the species. This	may help us to correctly	
Species Description	identify the species. Consider the colour, any distinctive markings, the shape of	of the head, fins, tail, the	
	position of the blow hole and the place of the fins in relation to other body part	s.	
Tick to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special inter	rest had with the vessel. For	
	instance, if you a marine mammal that was interacting with the vessel (swimm	ing around the vessel) and	
encounter	it was subsequently landed, tick 'landed on deck'.		
Time of <u>first</u> observer sighting	Note the time the observer FIRST noted the species of special interest.		
	Note the ship's date and time, and the position at the start of the final encounter	er. For instance, if the final	
Details of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the	ne interaction. Otherw ise	
(for any landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interact	ion. If the final encounter is	
	landed on deck you must record the start of set ship's time from PS-2, PL-2 or	the ship's time landed from	
Latitude / Longitude	Note start of set position for species landed on deck. If a species was only si	ighted or only interacted	
Latitude / Longitude	w ith gear, note position the vessel was in when species was first seen.		
Did the Observer Sight the SSI Circle one of the choices. For instance, circle Yes to indicate that the observer saw the SSI bef		r saw the SSI before the set	
before the set? was made. This question is most relevant for PS vessels, but should be answered for all gears.			
	SPECIES LANDED ON DECK:		

SPECIES LANDED ON DECK:				
	A0 - Alive but unable to describe condition.		Normally use one GEN-2 for every SSI landed, but if many animals are	
ES	A1 - Alive and healthy.		landed in a PS set use the GEN-2 supplement to record condition, length,	
<u>Б</u>	A2- Alive, but injured or dis	tressed.	and sex of up to 30; then	use a PS-4 to record lengths if more than 30.
ES C	A3 - Alive, but unlikely to li	ve.		
USE THESE	A4 - Entangled, okay.	<b>D</b> - D	ead	<b>U</b> - Condition unknown.
	A5 - Entangled, injured.	D1 - E	Intangled, dead	<b>U1</b> - Entangled, unknown condition.
Š	A6 - Hooked, externally, in	jured. <b>D2</b> - H	looked, externally, dead.	U2 - Hooked, externally, condition unknown
0	01		looked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.
	A8 - Hooked, unknown, inju	ured. <b>D4 -</b> H	łooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.
Con	dition description	Write a description	of the condition of the spec	ies when landed / discarded. This may help to
COII		further assess the condition of the landed / discard species.		
Des	scribe the Interaction/	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its		
trea	tment/ release	release. Continue the description in the journal and record page no. on the form. Refer to		
		WCPFC RHN handling guidelines.		
Len	gth / Length code	•	_	ent for any m.mammals, sharks and a CL
		measurement for turtles.		
Sex (M-F-I-U)		M - male, F- Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).		
	TAGS	Record all details about any tags placed or found on the species here.		
Type of Tags		Record if it was a common dart, an archival (stitched inside body), or a pop-up (stiched to the outside of the body) tag.		

## INTERACTIONS WITH VESSEL OR VESSEL GEAR:

"Interactions" are when a SSI touches, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel.

Examples may include: whales/dolphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near vessel or net to be fed, SSI's hooked on longlines but not landed. Use one form per species per incident. If there are more than five SSI landed from any one set use the supplementary GEN-2 form.

nve 33 landed from any one set use the supplementary GEN-2 form.			
'essel's Activity  Tick to indicate the vessel's activity when the interaction was first noted.			
Condition - No. - Code	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.		
- Description	Add any notes (words) that may help further define condition the SSI condition,. For instance, if it was am A2 condition you could mention that the SSI was 'Bleeding heavily' to clarify its		
DESCRIBE INTERACTION and if	Make detailed notes on the interaction.		
relevant any TREATMENT / RELEASE	If more space is needed use the observer's journal and mark the page number here.		
	SPECIES SIGHTED:		
Sightings' refer to SSIs that, as far a	s an observer can tell, seem not to be directly affected by the vessel's presence.		
Usually such 'sightings' are at least	100m away. However, when so close, observe carefully for interaction behaviour.		
Vessel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
Number Sighted	Record the total number of species sighted for this date and time.		
Number of Adults	If more than one animal is involved, record the number of adults you can see.		
Number of Juvenilles	If you can see juvenilles with the pod of whales or dolphins record the number here.  Otherwise record all animals under "number of adults".		
Species Behaviour	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: wake riding (swimming close behind boat); bow riding (swimming off the bow of the boat); logging (floating motionless in a group); breaching (launching themselves into the air head first and then falling back into the water with a splash); lob tailing (tail slapping); playing (having fun!); etc.		
Distance from Vessel (m) Estimate the distance the species was from the vessel.			

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE ΩF SPECIES CODE SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W MM DD (ddmm.mmm') (dddmm.mmm') **OBSERVER SIGHTING** hh mm DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** ORGANISATION TAGNUMBER TYPE ORGANISATION TYPE **TAG NUMBER** INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY → SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) Condition END of INTERACTION: Conditio CONDITION DESCRIPTION No. CONDITION DESCRIPTION No. INTERACTION Code CONDITION **START of** DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SEARCHING SETTING HAULING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER OF JUVENILES ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER SIGHTED NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM VESSEL

Rev. N	∕/ar. 2014	SPEC	IES OF SPECIAL INTEREST	Notes for GEN -2	
Observer Name Print		Print your name in fu	ull. First name first, then your family name (e.g "John Masa").		
Vessel Name Pri		Print the vessel's na	ame in full. Do not use abbreviations.		
Obse	rver Trip ID Number	This is the number is	This is the number issued by your observer programme. It will be the same all trip.		
Page	eof	Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.			
Spec	ies Code	Use the three-letter	FAO species code.		
Spec	cies Description	Use this field to describe some of the identifying features of the species. This may help us to correctly identify the species. Consider the colour, any distinctive markings, the shape of the head, fins, tail, the position of the blow hole and the place of the fins in relation to other body parts.			
Tick to indicate the FINAL encounter the species of special interest hinstance, if you a marine mammal that was interacting with the vessel (sw imming are it was subsequently landed in deck).					
Time of first observer sighting			server FIRST noted the species of special interest.		
Details of the FINAL encounter encounter was (for any landings see PS-2, PL-2 or LL-4) record the deta		encounter was an in	and time, and the position at the start of the final encounter. nteraction mark the time, date and position of the start of the in or when the observer first noted the SSI during the interaction must record the start of set ship's time from PS-2, PL-2 or the	nteraction. Otherwise . If the final encounter is	
with gear, no		w ith gear, note posi	sition for species landed on deck. If a species was only sight ition the vessel was in when species was first seen.	•	
_			oices. For instance, circle Yes to indicate that the observer sa estion is most relevant for PS vessels, but should be answere		
SPECIES LANDED ON DECK:					
A0 - Alive but unable to describe condition. A1 - Alive and healthy. A2- Alive, but injured or distressed.			Normally use one GEN-2 for every SSI landed, but landed in a PS set use the GEN-2 supplement to rec and sex of up to 30; then use a PS-4 to record leng	ord condition, length,	

	SPECIES LANDED ON DECK:				
	A0 - Alive but unable to describe condition.		Normally use one GEN-2 for every SSI landed, but if many animals are		
S	A1 - Alive and healthy.		landed in a PS set use the GEN-2 supplement to record condition, length,		
٥٥	A2- Alive, but injured or dis	tressed.	and sex of up to 30; then	use a PS-4 to record lengths if more than 30.	
၂တ္က ပ	A3 - Alive, but unlikely to li	ve.			
USE THESE NDITION CO	A4 - Entangled, okay.	<b>D</b> - D	ead	<b>U</b> - Condition unknown.	
USE IDI	A5 - Entangled, injured.	<b>D1</b> - E	Entangled, dead	<b>U1</b> - Entangled, unknown condition.	
_ §	A6 - Hooked, externally, in	jured. <b>D2</b> - H	looked, externally, dead.	U2 - Hooked, externally, condition unknown	
0	A7- Hooked, internally, inju	red. <b>D3</b> - H	looked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.	
	A8 - Hooked, unknown, inju	ured. <b>D4 -</b> H	looked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.	
Cond	dition description	Write a description	n of the condition of the spec	ies when landed / discarded. This may help to	
Con	dition description	further assess the condition of the landed / discard species.			
Des	cribe the Interaction/	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its			
treat	ment/ release	release. Continue the description in the journal and record page no. on the form. Refer to			
		WCPFC RHN handling guidelines.			
Lend	gth / Length code	•	<u> </u>	ent for any m.mammals, sharks and a CL	
	Jan / Longar Joue	measurement for turtles.			
Sex	Sex (M-F-I-U) M - male, F- Fema		ile, I - Indeterminate (checke	d, but not clear), U - unknown (not checked).	
	TAGS Record		all details about any tags	placed or found on the species here.	
Tyrsa	of Tags	Record if it was a	common dart, an archival (st	titched inside body), or a pop-up (stiched to the	
туре	e of Tags	outside of the body) tag.			
		INTERACTIONS	WITH VESSEL OR VESS	SEL GEAR:	

#### INTERACTIONS WITH VESSEL OR VESSEL GEAR:

"Interactions" are when a SSI touches, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel.

Examples may include: whales/dolphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near vessel or net to be fed, SSI's hooked on longlines but not landed. Use one form per species per incident. If there are more than five SSI landed from any one set use the supplementary GEN-2 form.

inve 35 handed from any one set use the supplementary GEN-2 form.			
Vessel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
Condition - No. - Code	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.		
- Description	Add any notes (words) that may help further define condition the SSI condition,. For instance, i it was am A2 condition you could mention that the SSI was 'Bleeding heavily' to clarify its		
DESCRIBE INTERACTION and if	Make detailed notes on the interaction.		
relevant any TREATMENT / RELEA	SE If more space is needed use the observer's journal and mark the page number here.		
	SPECIES SIGHTED:		
Sightings' refer to SSIs that, as fa	ar as an observer can tell, seem not to be directly affected by the vessel's presence.		
Usually such 'sightings' are at lea	t 100m away. However, when so close, observe carefully for interaction behaviour.		
Vessel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.		
Number Sighted	Record the total number of species sighted for this date and time.		
Number of Adults	If more than one animal is involved, record the number of adults you can see.		
Number of Juvenilles	If you can see juvenilles with the pod of whales or dolphins record the number here.  Otherwise record all animals under "number of adults".		
Species Behaviour	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: wake riding (swimming close behind boat); bow riding (swimming off the bow of the boat); logging (floating motionless in a group);		

with a splash); *lobtailing* (tail slapping); *playing* (having fun !); etc.

Estimate the distance the species was from the vessel.

Distance from Vessel (m)

breaching (launching themselves into the air head first and then falling back into the water

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 **SPECIES OF SPECIAL INTEREST** REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE | SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W $\mathsf{M}\,\mathsf{M}$ DD (ddmm.mmm') (dddmm.mmm') OBSERVER SIGHTING DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION CODE **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** TAGNUMBER ORGANISATION ORGANISATION TYPE TAGNUMBER TYPE INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY DURING INTERACTION SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) Condition No. CONDITION DESCRIPTION No. CONDITION DESCRIPTION TERACTION NTERACTION Code Code START of END of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER SIGHTED NUMBER OF JUVENILES ESTIM ATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER OF ADULTS

SPECIES BEHAVIOUR WHEN SIGHTED

DISTANCE FROM VESSEL

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Rev. I	Mar. 2014	SPECIES OF SPECIAL INTEREST Notes for GEN -2					
	erver Name	Print your name in full. First name first, then your family name (e.g "John Masa").					
	el Name	Print the vessel's name in full. Do not use abbreviations.					
	erver Trip ID Number	This is the number issued by your observer programme. It will be the same all trip.					
Page	eof cies Code	Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.  Use the three-letter FAO species code.					
Sper	cies code	Use this field to describe some of the identifying features of the species. This may help us to correctly					
Spec	cies Description	identify the species. Consider the colour, any distinctive markings, the shape of the head, fins, tail, the					
		position of the blow hole and the place of the fins in relation to other body parts.					
Tick	to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special interest had with the vessel. Fo					
enco	ounter	instance, if you a marine mammal that was interacting with the vessel (swimming around the vessel) and it was subsequently landed, tick 'landed on deck'.					
Time	of <u>first</u> observer sighting	Note the time the observer FIRST noted the species of special interest.					
		Note the ship's date and time, and the position at the start of the final encounter. For instance, if the final					
	is of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the interaction. Otherwise					
(for any	landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interaction. If the final encounter is landed on deck you must record the start of set ship's time from PS-2, PL-2 or the ship's time landed from					
		Note start of set position for species landed on deck. If a species was only sighted or only interacted					
Latitu	ude / Longitude	with gear, note position the vessel was in when species was first seen.					
	ne Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer saw the SSI before the se					
befor	e the set?	w as made. This question is most relevant for PS vessels, but should be answered for all gears.					
		SPECIES LANDED ON DECK:					
	A0 - Alive but unable to des						
ES	A1 - Alive and healthy.	landed in a PS set use the GEN-2 supplement to record condition, length,					
USE THESE CONDITION CODES	A2- Alive, but injured or dist						
USE THESE	A3 - Alive, but unlikely to live	ve.					
급은	A4 - Entangled, okay.	<b>D</b> - Dead <b>U</b> - Condition unknown.					
Sn	A5 - Entangled, injured.	<b>D1</b> - Entangled, dead <b>U1</b> - Entangled, unknown condition.					
뎡	A6 - Hooked, externally, inj						
	A7- Hooked, internally, inju	·					
	A8 - Hooked, unknown, inju						
Cond	dition description	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.					
Des	cribe the Interaction/	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its					
treat	ment/ release	release. Continue the description in the journal and record page no. on the form. Refer to					
		WCPFC RHN handling guidelines.					
Leng	gth / Length code	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.					
Sex	(M-F-I-U)	M - male, F- Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).					
	TAGS	Record all details about any tags placed or found on the species here.					
		Record if it was a common dart, an archival (stitched inside body), or a pop-up (stiched to the					
Туре	of Tags	outside of the body) tag.					
		INTERACTIONS WITH VESSEL OR VESSEL GEAR:					
"Inte	ractions" are when a SSI touch	es, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel.					
Exan	nples may include: whales/do	Iphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near					
		ed on longlines but not landed.  Use one form per species per incident.If there are more than					
five S	SSI landed from any one set u	use the supplementary GEN-2 form.					
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.					
Cond	dition - No.	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition,					
	- Code	at start, and again at end, of the interaction with the vessel or vessel gear.					
	- Description	Add any notes (words) that may help further define condition the SSI condition,. For instance, if					
DESC	RIBE INTERACTION and if	it was am A2 condition you could mention that the SSI was 'Bleeding heavily" to clarify its					
	RIBE INTERACTION and IT ant any TREATMENT / RELEASE	Make detailed notes on the interaction.  If more space is needed use the observer's journal and mark the page number here.					
	,	SPECIES SIGHTED:					
Sight	rings' refer to SSIs that. as far a	as an observer can tell, seem not to be directly affected by the vessel's presence.					
_	=	100m away. However, when so close, observe carefully for interaction behaviour.					
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.					
	ber Sighted	Record the total number of species sighted for this date and time.					
	ber of Adults	If more than one animal is involved, record the number of adults you can see.					
		If you can see juvenilles with the pod of whales or dolphins record the number here.					
Num	ber of Juvenilles	Otherwise record all animals under "number of adults".					
		Describe the behaviour of the animal in the water. Use own words but some technical terms					
		that may be helpful include: wake riding (swimming close behind boat);					
Spec	cies Behaviour	bow riding (swimming off the bow of the boat); logging (floating motionless in a group);					
		breaching (launching themselves into the air head first and then falling back into the water					
		with a splash); lob tailing (tail slapping); playing (having fun !); etc.					
Dista	ince from Vessel (m)	Estimate the distance the species was from the vessel.					

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W MM DD hh (ddmm.mmm') (dddmm.mmm') **OBSERVER SIGHTING** mm DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set **SPECIES LANDED ON DECK:** CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED PLACED ORGANISATION **TAG NUMBER** TYPE ORGANISATION TYPE **TAG NUMBER** INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY → SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) Condition Conditio CONDITION DESCRIPTION CONDITION DESCRIPTION No. INTERACTION No. INTERACTION Code CONDITION START of END of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SEARCHING SETTING HAULING TRANSITING OTHER (specifiy) WHEN SIGHTED NUMBER OF JUVENILES ESTIM ATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER SIGHTED NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM

VESSEL

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Rev. I	<i>M</i> ar. 2014	SPECIES OF SPECIAL INTEREST Notes for	GEN -2				
Obse	erver Name	Print your name in full. First name first, then your family name (e.g "John Masa").					
	el Name	Print the vessel's name in full. Do not use abbreviations.					
	erver Trip ID Number	This is the number issued by your observer programme. It will be the same all trip.					
Page	eof cies Code	Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.  Use the three-letter FAO species code.					
Spec	sies Code	Use this field to describe some of the identifying features of the species. This may help us to corr	ectly				
Spec	cies Description	identify the species. Consider the colour, any distinctive markings, the shape of the head, fins, tai					
_	•	position of the blow hole and the place of the fins in relation to other body parts.					
Tick	to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special interest had with the ve					
enco	ounter	instance, if you a marine mammal that w as interacting w ith the vessel (sw imming around the vessel it w as subsequently landed, tick 'landed on deck'.	sel) and				
Time	of <u>first</u> observer sighting	Note the time the observer FIRST noted the species of special interest.					
		Note the ship's date and time, and the position at the start of the final encounter. For instance, if t	he final				
Detai	Is of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the interaction. Other					
(for any	landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interaction. If the final end					
		landed on deck you must record the start of set ship's time from PS-2, PL-2 or the ship's time land.  Note start of set position for species landed on deck. If a species was only sighted or only intera					
Latitu	ıde / Longitude	with gear, note position the vessel was in when species was first seen.	Cled				
Did tl	ne Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer saw the SSI before	re the set				
	e the set?	was made. This question is most relevant for PS vessels, but should be answered for all gears.					
		SPECIES LANDED ON DECK:					
	A0 - Alive but unable to des	scribe condition. Normally use one GEN-2 for every SSI landed, but if many anima	ls are				
ES	A1 - Alive and healthy.	landed in a PS set use the GEN-2 supplement to record condition,	_				
삤	A2- Alive, but injured or dis		n 30.				
USE THESE	A3 - Alive, but unlikely to li	ve.					
ᇤ	A4 - Entangled, okay.	<ul><li>D - Dead</li><li>U - Condition unknown.</li></ul>					
Sn	A5 - Entangled, injured.	<b>D1</b> - Entangled, dead <b>U1</b> - Entangled, unknown condition.					
<u>5</u>	A6 - Hooked, externally, in	· · · · · · · · · · · · · · · · · · ·					
•	A7- Hooked, internally, inju	red. D3 - Hooked, internally, dead. U3 - Hooked, internally, condition ur	nknown.				
	A8 - Hooked, unknown, inju						
Cond	dition description	Write a description of the condition of the species when landed / discarded. This may hear as a second the condition of the landed / discard analysis.	nelp to				
Doo	cribe the Interaction/	further assess the condition of the landed / discard species.  Make detailed notes on the SSI from the moment it interacted with the boat to the point	ofite				
	ment/ release	release. Continue the description in the journal and record page no. on the form. Refe					
licai	inent release	WCPFC RHN handling guidelines.					
Lend	gth / Length code	Measure the species using an UF measurement for any m.mammals, sharks and a C	L				
		measurement for turtles.	-d/				
Sex	(M-F-I-U)	M - male, F - Female, I - Indeterminate (checked, but not clear), U - unknown (not check	ea).				
	TAGS	Record all details about any tags placed or found on the species here.					
Туре	of Tags	Record if it was a common dart, an archival (stitched inside body), or a pop-up (stiched outside of the body) tag.	to the				
"Into	rantiana" ara whan a SSI tayah	INTERACTIONS WITH VESSEL OR VESSEL GEAR:					
		nes, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel Ilphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting i					
		ed on longlines but not landed. <b>Use one form per species per incident.If there are mo</b>					
		use the supplementary GEN-2 form.					
	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.					
	<u> </u>	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each co	ndition.				
Cond	dition - No.	at start, and again at end, of the interaction with the vessel or vessel gear.	,				
	- Code	Add any notes (words) that may help further define condition the SSI condition,. For ins	tance, if				
	- Description	it was am A2 condition you could mention that the SSI was 'Bleeding heavily" to clarify it					
	RIBE INTERACTION and if	Make detailed notes on the interaction.					
relev	ant any TREATMENT / RELEASE	If more space is needed use the observer's journal and mark the page number here.					
C: .	to and make a 1 000 of the control	SPECIES SIGHTED:					
_	=	as an observer can tell, seem not to be directly affected by the vessel's presence.					
	el's Activity	t 100m away. However, when so close, observe carefully for interaction behaviour.  Tick to indicate the vessel's activity when the interaction was first noted.					
	ber Sighted	Record the total number of species sighted for this date and time.					
-	ber of Adults						
Num	ber of Adults	If more than one animal is involved, record the number of adults you can see.					
Num	ber of Juvenilles	If you can see juvenilles with the pod of whales or dolphins record the number here.  Otherwise record all animals under "number of adults".					
<b>—</b>		Describe the behaviour of the animal in the water. Use own words but some technical	terme				
		that may be helpful include: wake riding (swimming close behind boat);	wiiii3				
Spec	cies Behaviour	bow riding (swimming off the bow of the boat); logging (floating motionless in a group	v);				
		breaching (launching themselves into the air head first and then falling back into the w					
		with a splash); lob tailing (tail slapping); playing (having fun !); etc.					
Dista	nce from Vessel (m)	Estimate the distance the species was from the vessel.					
	. ,						

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE | SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE Ν LONGITUDE Е s W $\mathsf{M}\,\mathsf{M}$ (ddmm.mmm') (dddmm.mmm') OBSERVER SIGHTING DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION CODE **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** TAGNUMBER ORGANISATION ORGANISATION TYPE TAGNUMBER TYPE INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY DURING INTERACTION: SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) No. CONDITION DESCRIPTION No. CONDITION DESCRIPTION INTERACTION NTERACTION Code Code CONDITION START of END of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE SPECIES SIGHTED VESSEL ACTIVITY SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER OF JUVENILES ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail) NUM BER SIGHTED NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM VESSEL m

Rev. M	Mar. 2014	SPECIES OF SPECIAL INTEREST Notes for	GEN -2				
Obse	erver Name	Print your name in full. First name first, then your family name (e.g "John Masa").					
	sel Name	Print the vessel's name in full. Do not use abbreviations.					
	erver Trip ID Number	This is the number issued by your observer programme. It will be the same all trip.					
Page		Number all the GEN-2 forms together,in sequence. Continue until the trip is complete.					
	cies Code	Use the three-letter FAO species code.					
		Use this field to describe some of the identifying features of the species. This may help us to corre	ectly				
Spec	cies Description	identify the species. Consider the colour, any distinctive markings, the shape of the head, fins, tail,					
		position of the blow hole and the place of the fins in relation to other body parts.					
Tick	to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special interest had with the ver					
enco	ounter	instance, if you a marine mammal that was interacting with the vessel (swimming around the vess	el) and				
Time	of first observer sighting	it was subsequently landed, tick 'landed on deck'.  Note the time the observer FIRST noted the species of special interest.					
111110	or met obcorvor organing	Note the ship's date and time, and the position at the start of the final encounter. For instance, if the	ne final				
Detai	ils of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the interaction. Otherw					
	landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interaction. If the final enco	ounter is				
		landed on deck you must record the start of set ship's time from PS-2, PL-2 or the ship's time lander	ed from				
Latitu	ude / Longitude	Note start of set position for species landed on deck. If a species was only sighted or only interact	cted				
		with gear, note position the vessel was in when species was first seen.					
	ne Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observer saw the SSI before	e the set				
befor	re the set?	w as made. This question is most relevant for PS vessels, but should be answered for all gears.					
		SPECIES LANDED ON DECK:					
	A0 - Alive but unable to des	scribe condition. Normally use one GEN-2 for every SSI landed, but if many animals	s are				
Si	A1 - Alive and healthy.	landed in a PS set use the GEN-2 supplement to record condition, le	ength,				
	A2- Alive, but injured or dist	tressed. and sex of up to 30; then use a PS-4 to record lengths if more than	า 30.				
ESI	A3 - Alive, but unlikely to liv						
USE THESE CONDITION CODES	A4 - Entangled, okay.	D - Dead U - Condition unknown.					
몽	A5 - Entangled, injured.	D1 - Entangled, dead U1 - Entangled, unknown condition.					
	A6 - Hooked, externally, inj	· · · · · · · · · · · · · · · · · · ·	oknown				
ဗ							
	A7- Hooked, internally, injur						
	A8 - Hooked, unknown, inju						
Cond	dition description	Write a description of the condition of the species when landed / discarded. This may help to					
Dos	cribe the Interaction/	further assess the condition of the landed / discard species.  Make detailed notes on the SSI from the moment it interacted with the boat to the point of its					
	ment/ release	release. Continue the description in the journal and record page no. on the form. Refer to					
lieai	illelly release	WCPFC RHN handling guidelines.					
	uth / Law outh and a	Measure the species using an UF measurement for any m.mammals, sharks and a CL					
Lenç	gth / Length code	measurement for turtles.					
Sex	(M-F-I-U)	M-male, F-Female, I-Indeterminate (checked, but not clear), U-unknown (not checked).					
	TAGS	Record all details about any tags placed or found on the species here.					
		Record if it was a common dart, an archival (stitched inside body), or a pop-up (stiched	to the				
Туре	e of Tags	outside of the body) tag.	10 110				
		INTERACTIONS WITH VESSEL OR VESSEL GEAR:					
		nes, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel.					
		olphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting n					
		ed on longlines but not landed.  Use one form per species per incident.If there are mor	e than				
		use the supplementary GEN-2 form.					
Vess	sel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.					
Cond	dition - No.	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each cor	ndition,				
	- Code	at start, and again at end, of the interaction with the vessel or vessel gear.					
		Add any notes (words) that may help further define condition the SSI condition,. For insta	ance, if				
- Description		it was am A2 condition you could mention that the SSI was 'Bleeding heavily" to clarify its	s				
DESCRIBE INTERACTION and if		Make detailed notes on the interaction.					
relev	ant any TREATMENT / RELEASE	i more space to necada ace are escervere jeamar and mank are page named more.					
		SPECIES SIGHTED:					
_	=	as an observer can tell, seem not to be directly affected by the vessel's presence.					
Usua	nlly such 'sightings' are at least	t 100m away. However, when so close, observe carefully for interaction behaviour.					
Vess	el's Activity	Tick to indicate the vessel's activity when the interaction was first noted.					
Num	ber Sighted	Record the total number of species sighted for this date and time.					
	ber of Adults						
ITUIII	DOI OI AGGIG	If more than one animal is involved, record the number of adults you can see.					
Num	ber of Juvenilles	If you can see juvenilles with the pod of whales or dolphins record the number here.					
		Otherwise record all animals under "number of adults".					

Estimate the distance the species was from the vessel.

**Species Behaviour** 

Distance from Vessel (m)

that may be helpful include: wake riding (swimming close behind boat);

with a splash); lobtailing (tail slapping); playing (having fun !); etc.

Describe the behaviour of the animal in the water. Use own words but some technical terms

bow riding (swimming off the bow of the boat); logging (floating motionless in a group); breaching (launching themselves into the air head first and then falling back into the water

#### SPC/FFA REGIONAL OBSERVER FORM GEN - 2 SPECIES OF SPECIAL INTEREST REVISED MAR. 2014 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID NUMBER PAGE OF SPECIES CODE | SPECIES DESCRIPTION THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel: SIGHTED ONLY: INTERACTED WITH THE VESSEL'S GEAR ONLY: LANDED ON DECK: TIME OF FIRST SHIP'S DATE AND TIME LATITUDE LONGITUDE Е s W $\mathsf{M}\,\mathsf{M}$ DD mm (ddmm.mmm') (dddmm.mmm') **OBSERVER SIGHTING** DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4) DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET? (circle one) Yes / No / No Set SPECIES LANDED ON DECK: CONDITION CONDITION DESCRIPTION CONDITION CODE LANDED: CONDITION CONDITION DESCRIPTION CONDITION CODE **DISCARDED** DESCRIBE INTERACTION /TREATMENT / RELEASE LENGTH (cm) LENGTH CODE SEX (M-F-I- U) RETRIEVED **PLACED** TAGNUMBER ORGANISATION ORGANISATION TYPE TAGNUMBER TYPE INTERACTIONS WITH VESSEL OR VESSEL GEAR: VESSEL ACTIVITY DURING INTERACTION: → SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) END of INTERACTION: No. CONDITION DESCRIPTION No. CONDITION DESCRIPTION NTERACTION Code Code START of DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE **SPECIES SIGHTED** VESSEL ACTIVITY SETTING HAULING SEARCHING TRANSITING OTHER (specifiy) WHEN SIGHTED: NUMBER SIGHTED NUMBER OF JUVENILES ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail) NUMBER OF ADULTS SPECIES BEHAVIOUR WHEN SIGHTED DISTANCE FROM VESSEL

#### SPECIES OF SPECIAL INTEREST

Rev. Ivial. 2014	SPECIES OF SPECIAL INTEREST	Notes for GEN -2		
Observer Name	Print your name in full. First name first, then your family name (e.g "John Masa	a").		
Vessel Name	Print the vessel's name in full. Do not use abbreviations.			
Observer Trip ID Number	This is the number issued by your observer programme. It will be the same all	trip.		
Pageof	Number all the GEN-2 forms together,in sequence. Continue until the trip is con	nplete.		
Species Code	Use the three-letter FAO species code.			
•	Use this field to describe some of the identifying features of the species. This	may help us to correctly		
Species Description	identify the species. Consider the colour, any distinctive markings, the shape of	of the head, fins, tail, the		
	position of the blow hole and the place of the fins in relation to other body part	ts.		
Tick to indicate the FINAL	Tick one box only - to indicate the FINAL encounter the species of special inte	rest had with the vessel. For		
	instance, if you a marine mammal that was interacting with the vessel (swimm	ning around the vessel) and		
encounter	it was subsequently landed, tick 'landed on deck'.			
Time of <u>first</u> observer sighting  Note the time the observer FIRST noted the species of special interest.				
	Note the ship's date and time, and the position at the start of the final encounter	er. For instance, if the final		
Details of the FINAL encounter	encounter was an interaction mark the time, date and position of the start of the	ne interaction. Otherw ise		
(for any landings see PS-2, PL-2 or LL-4)	record the details for when the observer first noted the SSI during the interact	tion. If the final encounter is		
	landed on deck you must record the start of set ship's time from PS-2, PL-2 or	the ship's time landed from		
Latitude / Longitude	Note start of set position for species landed on deck. If a species was only si	ighted or only interacted		
Latitude / Longitude	w ith gear, note position the vessel was in when species was first seen.			
Did the Observer Sight the SSI	Circle one of the choices. For instance, circle Yes to indicate that the observe	r saw the SSI before the set		
before the set?	was made. This question is most relevant for PS vessels, but should be answ	ered for all gears.		
	SPECIES I ANDED ON DECK:			

	SPECIES LANDED ON DECK:								
	A0 - Alive but unable to des	A0 - Alive but unable to describe condition.		Normally use one GEN-2 for every SSI landed, but if many animals are					
ES	A1 - Alive and healthy.		landed in a PS set use the GEN-2 supplement to record condition, length,						
<u>Б</u>	<b>A2-</b> Alive, but injured or distressed.		and sex of up to 30; then use a PS-4 to record lengths if more than 30.						
ES C	A3 - Alive, but unlikely to li	ve.							
USE THESE	A4 - Entangled, okay.	<b>D</b> - D	ead	<b>U</b> - Condition unknown.					
	A5 - Entangled, injured.	D1 - E	Intangled, dead	<b>U1</b> - Entangled, unknown condition.					
Š	A6 - Hooked, externally, in	jured. <b>D2</b> - H	looked, externally, dead.	U2 - Hooked, externally, condition unknown					
0	A7- Hooked, internally, inju	ired. <b>D3</b> - H	looked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.					
	A8 - Hooked, unknown, inju	ured. <b>D4 -</b> H	łooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.					
Con	dition description	Write a description	of the condition of the spec	ies when landed / discarded. This may help to					
COII		further assess the	condition of the landed / dis	card species.					
Des	scribe the Interaction/	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its							
trea	tment/ release	release. Continue the description in the journal and record page no. on the form. Refer to							
		WCPFC RHN handling guidelines.							
Len	gth / Length code	•	_	ent for any m.mammals, sharks and a CL					
		measurement for turtles.							
Sex	(M-F-I-U)	M - male, F- Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).							
	TAGS	Record	all details about any tags	placed or found on the species here.					
Туре	e of Tags	Record if it was a common dart, an archival (stitched inside body), or a pop-up (stiched to the outside of the body) tag.							

#### INTERACTIONS WITH VESSEL OR VESSEL GEAR:

"Interactions" are when a SSI touches, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel.

Examples may include: whales/dolphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near vessel or net to be fed, SSI's hooked on longlines but not landed. Use one form per species per incident. If there are more than five SSI landed from any one set use the supplementary GEN-2 form.

, , , , , , , , , , , , , , , , , , , ,	ise the supplementary GEN-2 form.
Vessel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.
Condition - No. - Code	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.
- Description	Add any notes (words) that may help further define condition the SSI condition,. For instance, if it was am A2 condition you could mention that the SSI was 'Bleeding heavily' to clarify its
DESCRIBE INTERACTION and if	Make detailed notes on the interaction.
relevant any TREATMENT / RELEASE	If more space is needed use the observer's journal and mark the page number here.
	SPECIES SIGHTED:
Sightings' refer to SSIs that, as far a	s an observer can tell, seem not to be directly affected by the vessel's presence.
Usually such 'sightings' are at least	100m away. However, when so close, observe carefully for interaction behaviour.
Vessel's Activity	Tick to indicate the vessel's activity when the interaction was first noted.
Number Sighted	Record the total number of species sighted for this date and time.
Number of Adults	If more than one animal is involved, record the number of adults you can see.
Number of Juvenilles	If you can see juvenilles with the pod of whales or dolphins record the number here.  Otherwise record all animals under "number of adults".
Species Behaviour	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: wake riding (swimming close behind boat); bow riding (swimming off the bow of the boat); logging (floating motionless in a group); breaching (launching themselves into the air head first and then falling back into the water with a splash); lob tailing (tail slapping); playing (having fun!); etc.
Distance from Vessel (m)	Estimate the distance the species was from the vessel.

OBSERVER
DDOOD AMME.

# SPC/FFA REGIONAL OBSERVER VESSEL TRIP REPORT

FORM GEN-3

(pg 1)

REVISED MAR. 2014

Observer NAM E					This form must be filled in NATIONALITY OF BOARDING							
			by th	by the observer for every trip  VESSEL IF BOARDED DURING TRIP AT SEA:								
Obs. NA	TIO	NALI	LITY TRIP ID NUMBER COASTAL STATE LICENCES (IF ANY)									
VESSEL	VESSEL COUNTRY REG. # UVI IRCS VESSEL								EL GEAR YPE			
NAME	NAME											
Di	d t	he	vessel do any of the fol	lowing (indicate	'Yes'	or 'No' wit	h an 'X'	for every	item)			
_			1						-	_Yes	No	pg
ocia	R	s -a	Did the operator or any of intimidate or interfere wi				-	use board	ing to,			No.
/ SC			mumate of interiere wi	in observers in the p					ı	RS -a		
lhts iou	R	s -k	Request that an event no	ot be reported by the					RS -b		Щ	
rer rights / behaviour	RS	s -c						ns on this p	_	RS -C		
Observer rights / social behaviour			Did operator fail to provid observer's Government,							RS -d	,	
pse	R	s -c	facilities of reasonable s									
0			onboard the vessel			•						
	N	₹ <b>-</b> 6	Fish in areas where the	essel is not permitt/	ed to fi	sh				NR -a		
ons	N	₹ <i>-k</i>	Target species other tha	n those they are lice	enced t	o target				NR -b		
ılati	N	₹ <b>-</b> (	Use a fishing method oti	her than the method	the ve	ssel was de	esigned o	licensed		NR -C		
regu	NI	₹ <b>-</b> 0	Not display or present a	valid (and current) I	icence	document	onboard			NR -C	, 🖂	
National regulations	NI	२ <b>-</b> €	l							NR -E		
atio		R -1								NR -f	Н	$\vdash$
ž				_	ntering areas where vessel is not authorised to fish					$\vdash$	H	$\vdash$
	NI	₹ <b>-</b> (	Tall to stownsming gear	when emening areas	nering areas where vesser is not authorised to lish					NR -9		
<u>ပ</u> ္	W	c -á	Fail to comply with any C	Commission Conse	vation	and Manag	ement Me	asures (C	MMs)	wc -á	,	
WCPFC	W	c -l	High-grade the catch						wc -k	,		
> 0	W	c <b>-</b> (	c Fish on FAD during FAD Closure								:	
		· -a	Inaccurately record vess	eal nosition on vassa	al log s	heets for sa	te haulin	and catch	1	LP -a		
tion h	L	u	Fail to report vessel posi	•	_			-		<del></del>	H	$\vdash \vdash$
siti	LF	• -b	(crossing to or from an EE				nenng am	i leavilly a		LP <b>-b</b>	Ш	
- Posit		: -a	Inaccurately record retai	ned 'Target Specie	s" in th	e Vessel In	as for wee	kly reports	1	Lc -a		$\overline{\Box}$
ling ling		: -k	1			0 10000.10	90 [0. 1100	,	,	LC -b		$\vdash \vdash \vdash$
Sord		: -c		-		iaeve/vello	wfin/skinia	ock catchl		LC -C		$\vdash$
Logsheet recording Logsheet recording		; -c					, 6,11,0,10	Jatonj		LC -d	H	$\vdash$
shee	L				96					Lc -e	$\vdash$	$\vdash$
.0gs		d	_							$\vdash$		$\vdash \vdash \vdash$
		<i>;</i> -1	f Inaccurately record discarded bycatch species									
SSIs	S	-a	Land on deck Species of	f Special Interest (S	SI	, ,		nmals, turt		sı <b>-a</b>		
Š	S	-b	Interact (not land) with S	SIs		seabire	ds or prote	cted shark	s)	sı <b>-b</b>		
	PI	ı -a	Dispose of any metals, p	plastics, chemicals of	or old fi	shina aear						
ے	PI				Sid II	January Goul				PN -b		
Pollution	PI		1							PN -C		$\vdash \vdash \vdash$
Poll	PI			ar						PN -C	. —	$\mid - \mid \mid$
											$\vdash$	$\vdash\vdash\vdash$
	PI	<i>i</i> -€	Fail to report any aband	oneu gear						PN -e	ᆜ	$\sqsubseteq$
Sea safety	s	s -a	Fail to monitor internation	onal safety frequenc	ies					ss <b>-a</b>		
Saf	s	s -k	Carry out-of-date safety	equipment						ss -b		

If unsure that a violation has been committed but suspect a vessel has violated its license agreement place an 'X' in the 'YES' box.

Then wrie a full account of the incident, including a all evidence that aroused suspicion.

OBSERVER PROGAMME The observer programme/provider you are contracted to (employed by) for this trip.

OBSERVER NAME Tas written in your passport. Observer must print first name first and last name (family name) last.

OBSERVER NATIONALITY YOUR nationality as per the passport you are using.

observers in the performance of their duties

OBSERVER TRIP ID No. COASTAL STATE LICENCE (if any) Observer trip identification number. Same number for all forms and issued before leaving port. List the licence number(s) of any current licence issued by a Coastal States (i.e countries where the vessel is licensed to

fish).

NATIONALITY OF BOARING VESSEL IF BOARDED AT SEA

If host vessel is boarded by authorities and inspected at sea, what was nationality of the authority?

VESSEL NAME Full vessel name, as written on licence documentation - not abbreviated. Include all numbers.

COUNTRY REGISTRATION # The country registration number that was issued by the country where the vessel is registered.

WCPFC requires all vessels over 100 Gross Tonnage to have a UVI after 1st Jan 2016. The number may appear

UNIQUE VESSEL IDENTIFIER on certificates before 2016. Generally the UVI is the International Marine Organistion number or may be the the

Lloyd's Register (LR) no. International Radio Call Sign is issued by the flage state, normally painted on the side of the boat and a mix of letters and numbers. The IRCS should be the main number on the hull or side of the vessel. Confirm this before

INTERNATIONAL RADIO CALL SIGN (IRCS)

VESSEL GEAR TYPE

VESSEL FLAG

₹

**NCPFC CM** 

marketable target species

Incorrectly dispose of fish offal

recording it. It may also be found on the vessel's licence.

Did the operator or any crew member assault, obstruct, resist, delay, refuse boarding to, intimidate or interfere with

Record the flag of the vessel. This is the same as the country the vessel is registered in.

The fishing method vessel is licensed to use (i.e purse seine, longline, pole-and-line)

If unsure that a violation has been committed but suspect a vessel has violated its license agreement, place an 'X' in the 'Yes' box. Then write a full account of the incident, including all evidence that aroused suspicion.

#### During the trip did the Master or crew of the vessel attempt or do any of the following:

Observer rights / social behaviou	RS-a	Were you prevented, blocked, intimidated, harassed or threatened by any of the crew or operator while onboard? Did any crew member attempt to bias your work through a gift or bribe?
	RS-b	Request that an event not be reported by the observer
	Λο-δ	Did any crew member or operator ask you not to record, report photograph or video an event?
ts/	RS-c	Mistreat other crew
ij	Λο υ	Were there any clear systematic or prejudiced bullying or mistreatment of any crew?
bserver r	RS-d	Did the operator fail to provide the observer, while on board the vessel, at no expense to the observer or the observers Government, with food, accommodation [access to safety gear] and medical facilities of a reasonable standard equivalent to those normally available to an officer on board the vessel
		Do you think you were purposely given poor accommodation, food, no access to safety gear or medical treatment?
		Fish in areas where the vessel is not permitted to fish  Be aware of areas within EEZs that a vessel is not allowed to fish. These include closed 'high seas pockets for purse-
	NR-a	seiners', internal waters, territorial seas (12 miles from a land and archipelagic waters baseline) that are off limits to most gear types (however some exceptions do occur).
	NR-b	Target species other than those they are licensed to target  The target species is mentioned on the vessel's fishing permit. Usually "Tuna" will be the target species. Most common species targeted illegally are sharks or reef species targeted with handlines.
gulations	NR-c	Use a fishing method other than the method the vessel was designed or licensed  The licensed fishing method is on the vessel's fishing permit. Note if a fishing method other than that on the permit is used. Common violations are hand lining near reefs and purse seiners setting lines at night to catch sharks. Fully describe the type of gear used and what species, if any, were caught.
National regulations	NR-d	Not display or present a valid (and current) licence document onboard  A valid original licence document should be in the wheelhouse on display. Regulations usually require an official license document to be kept onboard ready for inspection on request by suitable people, including observers. Record 'YES' if: no document; a copy or faxed document; an outdated document; or a cover letter shown. Report which type and
	NR-e	Transfer or tranship fish from or to another vessel.  Transhipping of fish by purse seiners can only occur in designated ports. Indicate if host vessel transhipped fish or any fish products (e.g. shark fins) at sea. Note: group seine operations in PNG may tranship at sea in their zone
	NR-f	Was involved in bunkering activities  Bunkering is transfer of fuel between vessels. Generally a bunker vessel is a specialised fuel carrier.  Some countries ban bunkering except at port, while others require notification prior to bunkering.
	NR-g	Fail to stow fishing gear when entering areas where vessel is not authorised to fish Fishing gear should be stowed when entering waters of areas where vessels are not authorised to fish E.g.: net covered, boom lowered on purse seiners; floats stored and covered and snoods stored on longliners
	WC-a	Fail to comply with any Commission Conservation and Management measures (CMMs)
	vv C-a	Has any WCPFC regional regulation (CMM) been breached?
<u>s</u>		High grade the catch
Ě	14/0 /	

WC-b Did the vessel discard target species already on board to make room for better quality, larger size or for a more

sharks, floating on or near the surface of the water that fish may associate with?

Did vessel retrieve, service, set or fish on any floating object or group of objects, of any size, that was or was not **WC-c** deployed, living or non-living, including (but not only) buoys, floats, netting, webbing, plastics, bamboo, logs or whale

Was vessel used to aggregate fish or to move aggregated fish, including using underwater lights or chumming.

## SPC/FFA REGIONAL OBSERVER

3FC	JIFFA REGIONAL	OBSERVER	FOI	RM GEN-3
	<b>VESSEL TRIP R</b>	EPORT		(pg 2)
REV. MAR. 2014				
OBSERVER NAME	VESSELNAME		OBSERVER NATIONALITY	
TRIP ID NUMBER	OBSERVER PROGRAMME			
IF YOU ANSWERED YES TO ANY I				
A FULL EXPLANATION MUST				
JOURNAL PAGE NUMBERS FOR THE EXPLAN	IA I ION SHOULD BE RECO	RDED IN THE BOXES PRO	VIDED ON THE FRON	I OF THIS FORM
		OBSERVER SIGNATURE	DATE	

		VESSEL TRIP REPORT Form GEN-3 (pg2) Notes					
Logsheet Recording – Catch Logsheet recording - Position	LP-a	Inaccurately record vessel position on vessel log sheets for sets, hauling and catch  The vessel logsheet should be filled out by the Captain or a designated officer, daily, or after each set.  The observer has the right to ask to see this log (inspect this log at least once a day).  If there are significant discrepancies (>3nm) of reported set positions between the vessel log and the observer forms the details should be written into the observer report.					
	Fail to report vessel positions to countries, where required when entering and leaving an EEZ (crossing EEZ into or out of the High Seas)  Zone Entry and Zone Exit as well as Port Entry and Port Exit notifications are regulated by countries.  Most countries also have mandatory Wednesday reporting of position when fishing in their EEZs.						
	LC-a	Inaccurately record retained 'Target Species" in the Vessel logs or weekly reports Is the vessel under reporting, over reporting or not reporting any of the observed sets for any reason? It is critical that observers do their own accurate estimate of catch. Compare vessel logged catches with your estimates to ensure all sets are recorded and the catch has been logged correctly every day.					
	LC-b	Inaccurately record 'Target Species" Discards Report any attempt to not report commercial species that have been rejected because they are damaged, too small or are considered to be undesirable for other reasons. Note in your report if discards were reported by vessel.					
	LC-c	Record target species inaccurately  On purse seiners BET are commonly recorded as YFT; and both BET and YFT are sometimes recorded as SKJ.  Mixed small BET and YFT are often recorded as just YFT, simply because they fetch the same cannery price.					
Logs	LC-d	Not record bycatch discards Report any attempt to not report any fish, shark, reptile or mammal species - retained or discarded.					
	LC-e	Inaccurately record retained bycatch species Report if vessel wrongly reports retained bycatch species.					
	LC-f	Inaccurately record discarded bycatch species Report if vessel wrongly reports discarded bycatch species.					
		report il vesser wrongly reports discarded bycatch species.					

		Land on deck Species of Special Interest (SSIs)				
SSIs	SI-a	Did the vessel land on deck at any time (either deliberately or accidentally) during the trip any SSIs.  SSIs are: all turtles; all marine mammals – dolphins, whales, seals, dugongs, etc; birds; oceanic whitetip sharks and silky sharks and whale sharks.  All landings should also be fully recorded on the catch details forms (PS-3, PL-3, LL-4).  More complete data and description must be in GEN-2 forms, the observer's journal and written report It is important to note the vessel's general attitude to such animals in reports.				
	SI-b	Interact (not land) with SSIs (e.g. Marine mammals, turtle or whale sharks)  Did any SSIs interact with any part of the vessel, its gear, or its support boats, etc., during the trip?  More information on interactions must be recorded on GEN-2 forms, observer journal and written report.				

<b>Pollution</b> explanation on GEN-6)		Dispose of any metals, plastics, chemicals or old fishing gear								
	PN-a	Was there any deliberate throwing over of: metals or plastics (from kitchen or elsewhere on boat); or parts of the fishing gear (netting, nylon line, etc.); from the vessel into the ocean at any time?  Was any unprocessed perishable garbage discharged within 12 nautical miles of land or a reef?								
no uc	PN-b	Discharge any oil								
<b>Follution</b> . explanatic		Was any fuel oil spilled or dumped within 50 nautical miles of shore?								
expk	DM -	Lose any fishing gear								
POL	PN-c	Was any fishing gear lost during this trip?								
(see MARPOL	PN-d	Abandon any fishing gear								
see	PN-a	Was any fishing gear dumped or abandoned by the observer's host vessel?								
)	PN-e	Fail to report any abandoned gear								
	riv-e	Did vessel not report any lost fishing gear (IF REQUIRED by the country in which waters it is fishing)?								

		Fail to monitor international Safety frequencies								
	SS-a	Does the vessel keep its radio tuned into and turned onto the international distress, safety and calling frequencies when								
₹		it is not communicating? <u>Frequencies are</u> :								
safety		VHF marine radio for medium to long range voise communications - 2182 kHz								
Sea sa		VHF marine radio for short range voice communications - Channel 16								
	CC 4	Carry out-of-date safety equipment								
	SS-b	Was any of the safety equipment (lifeboats, EPIRBs, etc.) out of survey date or in a bad condition?								

OBSERVER	
PROGRAMME:	

# SPC/FFA REGIONAL OBSERVER VESSEL TRIP REPORT

FORM GEN-3

(pg 1)

REVISED MAR 2014

		0.14	This form must be filled in NATIONALITY OF BOARDING											
Observer	NAME			<u>must</u> be tilled erver for every		NATIONALIT VESSEL IF B DURING TR								
Obs. NA	TIONALITY	TRIP ID NUMBER	COASTAL STATE LICENCES	(IF ANY)										
_														
VESSEL NAME			COUNTRY REG. # U'		VESSEL FLAG		EL GEAR YPE							
Di-	d the v	essel do any of the following	g (indicate 'Yes' or	' 'No' with an 'X'	for every	item)	_Yes	No						
social	RS <b>-a</b>	Did the operator or any crew me		-	use board	ing to,			pg No.					
/ so	No u	intimidate or interfere with obse	rvers in the performa	nce of their duties		Ī	RS -a							
hts	кѕ <b>-b</b>	Request that an event not be re	ported by the observ	rer Refer to	instruction full wordir		RS <b>-b</b>							
Observer rights / behaviour	RS <b>-C</b>	Mistreat other crew		all iter	ns on this	page	RS -C							
erve		Did operator fail to provide obse observer's Government, with for		•			кѕ <b>-d</b>							
sqc	кѕ <b>-d</b>	facilities of reasonable standard												
	_	onboard the vessel	is a star summitted to field						T					
SL	NR -a	Fish in areas where the vessel i	•				NR -a	H						
atio	NR -b	Target species other than those		NR -b	Н									
gng	NR -C	Use a fishing method other than		NR -C	Н									
al re	NR -d	Not display or present a valid (a	NR -d	Н										
National regulations	NR -e NR -f	Transfer or transship fish from c Was involved in bunkering active	NR -e	Н	$\vdash$									
S S		Fail to stow fishing gear when e		vessel is not authori	sed to fish		$\vdash$	Н	$\vdash$					
	NR <b>-g</b>	Tall to Stow listling gear when e	mening areas where t	NR -g										
FC Is	wc <b>-a</b>	Fail to comply with any Commis	ssion Conservation a	wc <b>-a</b>										
WCPFC	wc <b>-b</b>	High-grade the catch		wc <b>-b</b>										
>	wc <b>-c</b>	Fish on FAD during FAD Closur	re	wc <b>-c</b>										
	LP <b>-a</b>	Inaccurately record vessel posi	tion on vessel log she	eets for sets, hauling	g and catc	h	LP <b>-a</b>							
ion		Fail to report vessel positions to	_	LP <b>-b</b>	П									
osit	LP <b>-b</b>	(crossing to or from an EEZ into or	out of the High Seas)											
9 - B	LC <b>-а</b>	Inaccurately record retained 'Ta	arget Species" in the	Vessel logs [or wee	kly reports	<i>[]</i>	LC <b>-а</b>							
din	ьс <b>-b</b>	Inaccurately record 'Target Spe	ecies" Discards				LC <b>-b</b>							
iooe eco	LС <b>-С</b>	Record target species inaccura	tely [eg. combine big	eye/yellowfin/skipja	nck catch]		LC <b>-C</b>							
Logsheet recording - Position Logsheet recording - Catch	LC <b>-d</b>	Not record bycatch discards					LC <b>-d</b>							
gsh	∟с <b>-е</b>	Inaccurately record retained by	catch Species				ьс <b>-е</b>							
2 2	LC -f	Inaccurately record discarded b	ycatch species				LC -f							
<u>s</u>	sı <b>-a</b>	Land on deck Species of Speci	al Interest (SSI	(eg. Marine mamr	nmals. tur	tles	sı <b>-a</b>							
SSIs	sı <b>-b</b>	Interact (not land) with SSIs		seabirds or prote			sı <b>-b</b>	Н						
_	РN <b>-а</b>	Dispose of any metals, plastics,	, chemicals or old fish	ning gear			PN -a							
Pollution	РN <b>-b</b>	Discharge any oil					PN <b>-b</b>							
)   	PN <b>-C</b>	Lose any fishing gear					PN -C	$\square$						
"	ри <b>-d</b>	Abandon any fishing gear					PN -d	H						
	PN <b>-C</b>	Fail to report any abandoned ge	ear ————————				PN -e							
Sea safety	ss <b>-a</b>	Fail to monitor international sai	fety frequencies				ss -a							
Saf	ss <b>-b</b>	Carry out-of-date safety equipm	ent				ss <b>-b</b>							

If unsure that a violation has been committed but suspect a vessel has violated its license agreement place an 'X in the 'YES' box. Then wrie a full account of the incident, including a all evidence that aroused suspicion.

OBSERVER PROGAMME The observer programme/provider you are contracted to (employed by) for this trip.

**OBSERVER NAME** Tas written in your passport. Observer must print first name first and last name (family name) last.

OBSERVER NATIONALITY YOUR nationality as per the passport you are using.

OBSERVER TRIP ID No. Observer trip identification number. Same number for all forms and issued before leaving port.

COASTAL STATE LICENCE List the licence number(s) of any current licence issued by a Coastal States (i.e countries where the vessel is licensed to (if any)

NATIONALITY OF

BOARING VESSEL IF If host vessel is boarded by authorities and inspected at sea, what was nationality of the authority? **BOARDED AT SEA** 

VESSEL NAME Full vessel name, as written on licence documentation - not abbreviated, Include all numbers.

COUNTRY REGISTRATION # The country registration number that was issued by the country where the vessel is registered.

WCPFC requires all vessels over 100 Gross Tonnage to have a UVI after 1st Jan 2016. The number may appear UNIQUE VESSEL IDENTIFIER on certificates before 2016. Generally the UVI is the International Marine Organistion number or may be the the

Llovd's Register (LR) no.

International Radio Call Sign is issued by the flage state, normally painted on the side of the boat and a mix of INTERNATIONAL RADIO letters and numbers. The IRCS should be the main number on the hull or side of the vessel. Confirm this before CALL SIGN (IRCS) recording it. It may also be found on the vessel's licence.

VESSEL FLAG Record the flag of the vessel. This is the same as the country the vessel is registered in. VESSEL GEAR TYPE The fishing method vessel is licensed to use (i.e purse seine, longline, pole-and-line)

If unsure that a violation has been committed but suspect a vessel has violated its license agreement, place an 'X' in the 'Yes' box. Then write a full account of the incident, including all evidence that aroused suspicion.

	During the trip did the Master or crew of the vessel attempt or do any of the following:										
RS.	Did the operator or any crew member assault, obstruct, resist, delay, refuse boarding to, intimidate or interfere with observers in the performance of their duties  Were you prevented, blocked, intimidated, harassed or threatened by any of the crew or operator while onboard? Did any crew member attempt to bias your work through a gift or bribe?										
RS.	Request that an event not be reported by the observer b										
Š	Did any crew member or operator ask you not to record, report photograph or video an event?										
RS.	Mistreat other crew c Were there any clear systematic or prejudiced bullying or mistreatment of any crew?										
Observer rights / social benaviour	Did the operator fail to provide the observer, while on board the vessel, at no expense to the observer or the observers Government, with food, accommodation [access to safety gear] and medical facilities of a reasonable standard equivalent to those normally available to an officer on board the vessel										
	Do you think you were purposely given poor accommodation, food, no access to safety gear or medical treatment?										
NR-	Fish in areas where the vessel is not permitted to fish  Be aware of areas within EEZs that a vessel is not allowed to fish. These include closed 'high seas pockets for purse-seiners', internal waters, territorial seas (12 miles from a land and archipelagic waters baseline) that are off limits to most gear types (however some exceptions do occur).										
NR-	Target species other than those they are licensed to target  b The target species is mentioned on the vessel's fishing permit. Usually "Tuna" will be the target species. Most commo species targeted illegally are sharks or reef species targeted with handlines.										
sanguations NR-	Use a fishing method other than the method the vessel was designed or licensed  The licensed fishing method is on the vessel's fishing permit. Note if a fishing method other than that on the permit is used. Common violations are hand lining near reefs and purse seiners setting lines at night to catch sharks. Fully describe the type of gear used and what species, if any, were caught.										
NR:	Not display or present a valid (and current) licence document onboard  A valid original licence document should be in the wheelhouse on display. Regulations usually require an official license document to be kept onboard ready for inspection on request by suitable people, including observers. Record 'YES' if: no document; a copy or faxed document; an outdated document; or a cover letter shown. Report which type and										
NR-	Transfer or tranship fish from or to another vessel.										

### Fail to stow fishing gear when entering areas where vessel is not authorised to fish NR-g Fishing gear should be stowed when entering waters of areas where vessels are not authorised to fish E.g.: net covered, boom lowered on purse seiners; floats stored and covered and snoods stored on longliners Fail to comply with any Commission Conservation and Management measures (CMMs) WC-a Has any WCPFC regional regulation (CMM) been breached? High grade the catch **NCPFC CMMs**

NR-f Bunkering is transfer of fuel between vessels. Generally a bunker vessel is a specialised fuel carrier. Some countries ban bunkering except at port, while others require notification prior to bunkering.

#### WC-b Did the vessel discard target species already on board to make room for better quality, larger size or for a more marketable target species Incorrectly dispose of fish offal

Did vessel retrieve, service, set or fish on any floating object or group of objects, of any size, that was or was not WC-c deployed, living or non-living, including (but not only) buoys, floats, netting, webbing, plastics, bamboo, logs or whale sharks, floating on or near the surface of the water that fish may associate with? Was vessel used to aggregate fish or to move aggregated fish, including using underwater lights or chumming.

## SPC/FFA REGIONAL OBSERVER

SFC	FFA REGIONAL OBSERVER	FORM GEN-3
	VESSEL TRIP REPORT	(pg 2)
REV. MAR. 2014	120022 11111 1121 0111	(1.3.7)
OBSERVER NAME	VESSELNAME	OBSERVER NATIONALITY
OBSERVER NAME	V ESSEL INAIVI E	OBSERVER NATIONALITY
TRIP ID NUMBER	OBSERVER PROGRAMME	
		_
IF YOU ANSWERED YES TO ANY I	TEM ON THE GEN-3 FORM PLEASE EXPLAIN BRIE	FLY IN THE AREA BELOW.
	BE WRITTEN IN THE OBSERVER DAILY JOURNAL	
JOURNAL PAGE NUMBERS FOR THE EXPLAN	ATION SHOULD BE RECORDED IN THE BOXES PRO	OVIDED ON THE FRONT OF THIS FORM
	ORSERVER SIGNATI IRE	DATE

		VESSEL TRIP REPORT Form GEN-3 (pg2) Notes							
sition	LP-a	Inaccurately record vessel position on vessel log sheets for sets, hauling and catch The vessel logsheet should be filled out by the Captain or a designated officer, daily, or after each set. The observer has the right to ask to see this log (inspect this log at least once a day). If there are significant discrepancies (>3nm) of reported set positions between the vessel log and the observer forms the details should be written into the observer report.							
Logsheet recording - Position	LP-b	Fail to report vessel positions to countries, where required when entering and leaving an EEZ (crossing to or from a EEZ into or out of the High Seas)  Zone Entry and Zone Exit as well as Port Entry and Port Exit notifications are regulated by countries.  Most countries also have mandatory Wednesday reporting of position when fishing in their EEZs.							
	LC-a	Inaccurately record retained 'Target Species" in the Vessel logs or weekly reports  Is the vessel under reporting, over reporting or not reporting any of the observed sets for any reason?  It is critical that observers do their own accurate estimate of catch. Compare vessel logged catches with your estin to ensure all sets are recorded and the catch has been logged correctly every day.							
	LC-b	Inaccurately record 'Target Species" Discards Report any attempt to not report commercial species that have been rejected because they are damaged, too small or are considered to be undesirable for other reasons. Note in your report if discards were reported by vessel.							
Logsheet Recording – Catch	LC-c	Record target species inaccurately  On purse seiners BET are commonly recorded as YFT; and both BET and YFT are sometimes recorded as SKJ.  Mixed small BET and YFT are often recorded as just YFT, simply because they fetch the same cannery price.							
Logsh	LC-d	Not record bycatch discards Report any attempt to not report any fish, shark, reptile or mammal species - retained or discarded.							
	LC-e	Inaccurately record retained bycatch species Report if vessel wrongly reports retained bycatch species.							
	LC-f	Inaccurately record discarded bycatch species Report if vessel wrongly reports discarded bycatch species.							

		Land on deck Species of Special Interest (SSIs)
SSIs	SI-a	Did the vessel land on deck at any time (either deliberately or accidentally) during the trip any SSIs. SSIs are: all turtles; all marine mammals – dolphins, whales, seals, dugongs, etc; birds; oceanic whitetip sharks and silky sharks and whale sharks.  All landings should also be fully recorded on the catch details forms (PS-3, PL-3, LL-4).  More complete data and description must be in GEN-2 forms, the observer's journal and written report It is important to note the vessel's general attitude to such animals in reports.
-	SI-b	Interact (not land) with SSIs (e.g. Marine mammals, turtle or whale sharks)  Did any SSIs interact with any part of the vessel, its gear, or its support boats, etc., during the trip?  More information on interactions must be recorded on GEN-2 forms, observer journal and written report.

		Dispose of any metals, plastics, chemicals or old fishing gear									
on GEN-6)	PN-a	Was there any deliberate throwing over of: metals or plastics (from kitchen or elsewhere on boat); or parts of the fishi gear (netting, nylon line, etc.); from the vessel into the ocean at any time?  Was any unprocessed perishable garbage discharged within 12 nautical miles of land or a reef?									
2	PN-b	Discharge any oil									
<b>Pollution</b> explanation	FN-D	Was any fuel oil spilled or dumped within 50 nautical miles of shore ?									
<b>Pollution</b> - explanatic	PN-c	Lose any fishing gear									
see MARPOL		Was any fishing gear lost during this trip?									
MAR	PN-d	Abandon any fishing gear									
(see	r N-u	Was any fishing gear dumped or abandoned by the observer's host vessel?									
	PN-e	Fail to report any abandoned gear									
	r N-C	Did vessel not report any lost fishing gear (IF REQUIRED by the country in which waters it is fishing)?									

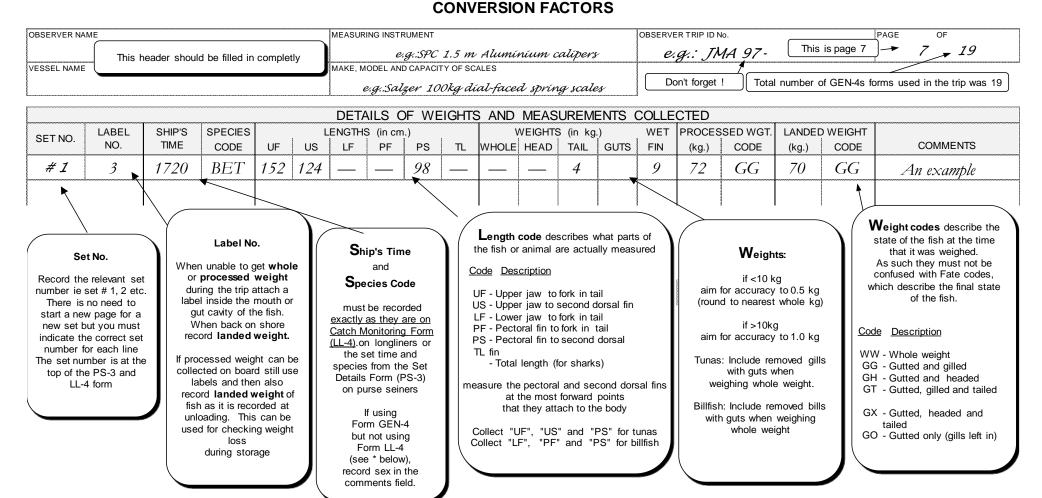
	SS-a	Fail to monitor international Safety frequencies										
Sea safety		Does the vessel keep its radio tuned into and turned onto the international distress, safety and calling frequencies when it is not communicating? Frequencies are:  VHF marine radio for medium to long range voise communications - 2182 kHz  VHF marine radio for short range voice communications - Channel 16										
	SS-b	Carry out-of-date safety equipment Was any of the safety equipment (lifeboats, EPIRBs, etc.) out of survey date or in a bad condition?										

## SPC/FFA REGIONAL OBSERVER CONVERSION FACTORS

FORM GEN-4

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REVISED MAR. OBSERVER NA						I							I · ·						I		_
VESSEL NAME						MEASURI	NG INSTR	RUMENT					OBSERVER TRIP ID No.						PAGE	OF	
						MAKE, MODEL AND CAPACITY OF SCALES								SHIP'S START OF TRIP DATE (YYYY/MM/DD) SHIP'S END OF TRIP					DATE (YYYY/MM/DD)		
						DE	TAILS	OF W	'EIGH	TS AND	MEAS	UREME	NTS C	OLLECTI	ΞD		I.				Ī
OFTNO	SHIP'S	LABEL	SPECIES		L		HS (in cm.)			WEIGHTS (in			n kg.) PROCESSED			SED WGT.	LANDED	WEIGHT			Ī
SET NO.	TIME	NO.	CODE	UF	US	LF	PF	PS	TL	WHOLE	HEAD	TAIL	GUTS	WETFIN	(kg.)	CODE	(kg.)		С	COMMENTS	
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## Rev. March 2014 Notes on FORM GEN-4



The GEN-4 form can be used to collect information from several sets (see the set number column on the left).

As with all data it is important that you collect information as accurately as possible.

However, it is not important to collect this data for all catch. Usually only the more experienced and proven obsevers will be asked to collect this extra information.

Only collect data for this form when it can be comfortably and accurately gathered without stopping the collection of other important data.

\* On some more difficult trips you may choose, or were asked, to take time out from normal sampling to put more effort into collecting conversion factor information.

In this situation the Catch Monitoring Form may not be used. At times like this record the sex of the fish in the comments section of Form GEN-4.

The comments section can be used to note any factor that you feel has had an important influence on the data collection for this form.

## SPC/FFA REGIONAL OBSERVER CONVERSION FACTORS

FORM GEN-4

							•••			. , ,,	J 1 1 U										
REVISED MAR. OBSERVER NA						I							I · ·						I		_
VESSEL NAME						MEASURI	NG INSTR	RUMENT					OBSERVER TRIP ID No.						PAGE	OF	
						MAKE, MODEL AND CAPACITY OF SCALES								SHIP'S START OF TRIP DATE (YYYY/MM/DD) SHIP'S END OF TRIP					DATE (YYYY/MM/DD)		
						DE	TAILS	OF W	'EIGH	TS AND	MEAS	UREME	NTS C	OLLECTI	ΞD		I.				Ī
OFTNO	SHIP'S	LABEL	SPECIES		L		HS (in cm.)			WEIGHTS (in			n kg.) PROCESSED			SED WGT.	LANDED	WEIGHT			Ī
SET NO.	TIME	NO.	CODE	UF	US	LF	PF	PS	TL	WHOLE	HEAD	TAIL	GUTS	WETFIN	(kg.)	CODE	(kg.)		С	COMMENTS	
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## Rev. March 2014 Notes on FORM GEN-4

**CONVERSION FACTORS** 

# OBSERVER NAME This header should be filled in completly VESSEL NAME This header should be filled in completly VESSEL NAME MEASURING INSTRUMENT e.g.:SPC 1.5 m Aluminium calipers MAKE, MODEL AND CAPACITY OF SCALES e.g.:Salzer 100kg dial-faced spring scales Don't forget! Total number of GEN-4s forms used in the trip was 19

		•		•		DETA	ILS C	F WE	IGHTS	AND	MEAS	UREM	ENTS (	COLLE	CTED				
SET NO.	LABEL	SHIP'S	SPECIES		. L	ENGTHS	in cm	.)		٧	VEIGHTS	in kg	.)	WET	PROCES	SED WGT.	LANDED	WEIGHT	
SET NO.	NO.	TIME	CODE	UF	US	LF	PF	PS	TL	WHOLE	HEAD	TAIL	GUTS	FIN	(kg.)	CODE	(kg.)	CODE	COMMENTS
#1	3	1720	BET	152	124			98	—			4		9	72	GG	70	GG	An example
<b>\</b>													Y					<b>†</b>	

#### Set No.

Record the relevant set number ie set # 1, 2 etc. There is no need to start a new page for a new set but you must indicate the correct set number for each line The set number is at the top of the PS-3 and LL-4 form

#### Label No.

When unable to get whole or processed weight during the trip attach a label inside the mouth or gut cavity of the fish. When back on shore record landed weight.

If processed weight can be collected on board still use labels and then also record landed weight of fish as it is recorded at unloading. This can be used for checking weight loss during storage

## Ship's Time and

#### Species Code

must be recorded
exactly as they are on
Catch Monitoring Form
(LL-4).on longliners or
the set time and
species from the Set
Details Form (PS-3)
on purse seiners

If using
Form GEN-4
but not using
Form LL-4
(see \* below),
record sex in the
comments field.

**Length code** describes what parts of the fish or animal are actually measured

#### Code Description

UF - Upper jaw to fork in tail

US - Upper jaw to second dorsal fin

LF - Lower jaw to fork in tail

PF - Pectoral fin to fork in tail

PS - Pectoral fin to second dorsal TL fin

- Total length (for sharks)

measure the pectoral and second dorsal fins at the most forward points that they attach to the body

Collect "UF", "US" and "PS" for tunas Collect "LF", "PF" and "PS" for billfish

#### Weights:

if <10 kg aim for accuracy to 0.5 kg (round to nearest whole kg)

if >10kg aim for accuracy to 1.0 kg

Tunas: Include removed gills with guts when weighing whole weight.

Billfish: Include removed bills with guts when weighing whole weight Weight codes describe the state of the fish at the time that it was weighed.
As such they must not be confused with Fate codes, which describe the final state of the fish.

#### Code Description

WW - Whole weight

GG - Gutted and gilled

GH - Gutted and headed GT - Gutted, gilled and tailed

GX - Gutted, headed and

GO - Gutted only (gills left in)

The GEN-4 form can be used to collect information from several sets (see the set number column on the left).

As with all data it is important that you collect information as accurately as possible.

However, it is not important to collect this data for all catch. Usually only the more experienced and proven obsevers will be asked to collect this extra information.

Only collect data for this form when it can be comfortably and accurately gathered without stopping the collection of other important data.

\* On some more difficult trips you may choose, or were asked, to take time out from normal sampling to put more effort into collecting conversion factor information. In this situation the Catch Monitoring Form may not be used. At times like this record the sex of the fish in the comments section of Form GEN-4.

The comments section can be used to note any factor that you feel has had an important influence on the data collection for this form.

#### FORM GEN-6 **POLLUTION REPORT** REVISED MARCH 2014 VESSEL NAME OBSERVER ID NUMBER **OBSERVER NAME** PAGE OF - fill in one form for each pollution incident -**INCIDENT DETAILS** Ship's DATE and TIME LATITUDE LONGITUDE EEZ/HARBOUR N/S E/W DD (dd°mm.mmm') (ddd°mm.mmm') SEA CONDITIONS WIND DIRECTION WIND SPEED CURRENT: (knts and direction °) OBSERVER'S VESSEL ACTIVITY (C, S, M, R) NAME OF OFFENDING VESSEL IRCS TYPE OF VESSEL YOUR POSITION FROM OFFENDING VESSEL Compass Bearing Distance (nautical miles) WASTE DUMPED OVERBOARD Tick each box Material Describe Type **Describe Quantity** that applies **Plastics** Metals Waste oil Chemicals General garbage (within 12 miles describe: of shoreline) **OIL SPILLAGES AND LEAKAGES** Tick each box Source Visual Appearance / Colour Describe Area and Quantity that applies Vessel Aground / Collision Vessel at Anchor / Berth Vessel Underway Land based source - Describe source Other - please specifiy **Abandoned or Lost Fishing Gear** Source Activity Describe Gear **Estimate Quantity** Lost during fishing Abandoned Dumped Other comments: Were there any stickers/ posters displayed to remind the vessel about MARPOL Regulations Ν Did you take any photos? If yes, please state the number(s) of the photo frames or files.

SPC/FFA REGIONAL OBSERVER

#### MARPOL Regualations - state

It is illegal for any vessel to discard any form of plastics into the sea at anytime. It is illegal for any vessel to discard any form of oil into the sea at anytime.

It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the sea shore.

#### Revised March 2014 Notes on FORM GEN-6

#### **POLLUTION REPORT**

Remember - Fill in one form for each pollution incident. There might be more than one per day. If forms run out, report this on the last form and continue recording pollution infringements in diary.

Observer Name	Put first name first, and your family name last.						
Vessel Name	Record the full name of the vessel. Do not use any abbrevations.						
Observer ID Number	Use the number assigned by the observer programme e.g. AA 03-01						
Page of	Number all GEN-6 pages in sequence from the start until the end of the trip						
Date of Incident (dd/mm/yy)	Date pollution seen in day, month and year. Use ship's time as defined in other						
Time (00.00 hrs)	Report the time using the 24hr clock.  observer data collection forms						
Latitude / Longitude	Record the GPS positon of the host vessel when the pollution was first seen.						
EEZ / Harbour	Record the EEZ or, for shorebase staff, mark port or Harbour name here.						
Wind Direction	The prevailing wind direction. Use degree eg. 90 degrees for an east wind						
Wind Speed	Record the prevailng wind speed.						
Sea Conditions	C- Calm, S- Slight, M- Moderate, R - Rough.						
Current (knts and direction)	If the vessel has a current meter find out what the current strength is.						
7	State the host (observer's) vessel activity at the time of the pollution incident.						
Observer's vessel activity	Some activities to consider might be:						
	fishing; transhipping; bunkering; transitting; aground.						
•	Make an effort to record the complete and proper name of offending vessel.						
Name of offending vessel	Be careful not to make any spelling mistakes which may make it difficult to						
	prosecute the vessel if the report goes through legal proceedings.						
IRCS	The international callsign is marked in large letters on the side of the boat.						
Type of vessel	Consider the full vessel and aircraft codes on the front of Form GEN-1.						
Your positon from offending	Use the vessel compass to get direction of offending vessel from host vessel.						
vessel.	The radar can be used to get an extact distance in nautical miles.						
VC33CI.	Otherwise give best estimate and note if it is the observer's or someone else's.						
	WASTE DUMPED OVERBOARD						
	Tick each correct box to show which types of materials were dumped.						
Material	Only tick two or more materials if vessel has dumped more than one material						
maror iai	type over at the same time - e.g.: it dumped plastic and metal at 10:00hrs.						
	If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.						
Describe type	Give as good a description as possible of the type of dumped material.						
Describe type	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.						
Describe type	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy -						
	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be						
Describe type  Describe Quantities	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount						
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Describe Quantities  Source	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from						
Describe Quantities	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from Describe the colour/ thickness/depth of the spill as well as able.						
Describe Quantities  Source Visual Appearance / Colour	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.						
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Describe Quantities  Source Visual Appearance / Colour Describe Area and Quantity	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear						
Describe Quantities  Source Visual Appearance / Colour Describe Area and Quantity  Lost during fishing	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)						
Describe Quantities  Source Visual Appearance / Colour Describe Area and Quantity	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)  For any fishing gear abandoned by another vessel and found by host vessel						
Describe Quantities  Source Visual Appearance / Colour Describe Area and Quantity  Lost during fishing	Give as good a description as possible of the type of dumped material.  E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.  Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.  OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)						

<b>Supplementary notes on Marpol Regulations</b>
Note: Vessels may dump garbage as close
as 3 nautical miles to the shore if they have
a 'comminuter' onboard
(a machine that shreds garbage to tiny pieces).
Otherwise they cannot dump garbage within
12 nm of the coast. Report on all vessels
dumping within 12nm of the coast. We can
check if they have a comminuter onboard later.

Cour	ntry Codes		
AS	American Samoa	МН	Marshall Islands
ΑU	Australia	NR	Nauru
CK	Cook Islands	NC	New Caledonia
EC	Ecuador	NZ	New Zealand
FM	Fed. States of Micronesia	NU	Niue
FJ	Fiji Islands	MR	Northern Mariana
FR	France	PW	Palau
PF	French Polynesia	PG	Papua New Guinea
GU	Guam	PH	Philippine
ID	Indonesia	RU	Russia
IW	International Waters	SB	Solomon Islands
JP	Japan	TW	Taiwan
TO	Kingdom of Tonga	TK	Tokelau
ΚI	Kiribati	TV	Tuvalu
KR	Korea	US	United States
CN	Mainland China	VU	Vanuatu
MY	Malaysia	ws	Samoa

#### **POLLUTION REPORT** REVISED MARCH2014 VESSEL NAME OBSERVER ID NUMBER OBSERVER NAME PAGE - fill in one form for each pollution incident -**INCIDENT DETAILS** Ship's DATE and TIME LATITUDE LONGITUDE EEZ/HARBOUR N/S E/W DD (dd°mm.mmm') (ddd°mm.mmm') SEA CONDITIONS WIND DIRECTION WIND SPEED CURRENT: (knts and direction °) OBSERVER'S VESSEL ACTIVITY (C, S, M, R) YOUR POSITION FROM OFFENDING VESSEL NAME OF OFFENDING VESSEL **IRCS** TYPE OF VESSEL Compass Bearing Distance (nautical miles) WASTE DUMPED OVERBOARD Tick each box Material Describe Type **Describe Quantity** that applies **Plastics** Metals Waste oil Chemicals General garbage (within 12 miles describe: of shoreline) **OIL SPILLAGES AND LEAKAGES** Tick each box Source Visual Appearance / Colour Describe Area and Quantity that applies Vessel Aground / Collision Vessel at Anchor / Berth Vessel Underway Land based source - Describe source Other - please specifiy Abandoned or Lost Fishing Gear Source Activity Describe Gear **Estimate Quantity** Lost during fishing Abandoned Dumped Other comments: Were there any stickers/ posters displayed to remind the vessel about MARPOL Regulations ? Did you take any photos? Ν If yes, please state the number(s) of the photo frames or files.

SPC/FFA REGIONAL OBSERVER

**FORM GEN-6** 

#### MARPOL Regualations - state

It is illegal for any vessel to discard any form of plastics into the sea at anytime. It is illegal for any vessel to discard any form of oil into the sea at anytime.

It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the sea shore.

#### Revised March 2014 Notes on FORM GEN-6

#### **POLLUTION REPORT**

Remember - Fill in one form for each pollution incident. There might be more than one per day. If forms run out, report this on the last form and continue recording pollution infringements in diary.

Observer Name	Put first name first, and your family name last.						
Vessel Name	Record the full name of the vessel. Do not use any abbrevations.						
Observer ID Number	Use the number assigned by the observer programme e.g. AA 03-01						
Page of	Number all GEN-6 pages in sequence from the start until the end of the trip						
Date of Incident (dd/mm/yy)	Date pollution seen in day, month and year. Use ship's time as defined in other						
Time (00.00 hrs)	Report the time using the 24hr clock.  observer data collection forms						
Latitude / Longitude	Record the GPS positon of the host vessel when the pollution was first seen.						
EEZ / Harbour	Record the EEZ or, for shorebase staff, mark port or Harbour name here.						
Wind Direction	The prevailing wind direction. Use degree eg. 90 degrees for an east wind						
Wind Speed	Record the prevailng wind speed.						
Sea Conditions	C- Calm, S- Slight, M- Moderate, R - Rough.						
Current (knts and direction)	If the vessel has a current meter find out what the current strength is.						
	State the host (observer's) vessel activity at the time of the pollution incident.						
Observer's vessel activity	Some activities to consider might be:						
	fishing; transhipping; bunkering; transitting; aground.						
	Make an effort to record the complete and proper name of offending vessel.						
Name of offending vessel	Be careful not to make any spelling mistakes which may make it difficult to						
***************************************	prosecute the vessel if the report goes through legal proceedings.						
IRCS	The international callsign is marked in large letters on the side of the boat.						
Type of vessel	Consider the full vessel and aircraft codes on the front of Form GEN-1.						
Your positon from offending	Use the vessel compass to get direction of offending vessel from host vessel.						
vessel.	The radar can be used to get an extact distance in nautical miles.						
vessei.	Otherwise give best estimate and note if it is the observer's or someone else's.						
	WASTE DUMPED OVERBOARD						
Programme of the Control of the Cont	Tick each correct box to show which types of materials were dumped.						
Material	Only tick two or more materials if vessel has dumped more than one material						
Waterial	type over at the same time - e.g.: it dumped plastic and metal at 10:00hrs.						
	If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.						
Describe type	Give as good a description as possible of the type of dumped material.						
Везопые туре	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.						
	Give a best estimate of the amount dumped. Sometimes this will be easy -						
Describe Quantities	e.g., 12 metal oil drums were dumped. At other times the material might be						
Describe Quartities	too far away to see the amount. If it is too far away then estimate the amount						
	as well as possible and make note that it is only a rough estimate at distance.						
	OIL SPILLAGES AND LEAKAGES						
Source	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from						
Source Visual Appearance / Colour	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.						
Visual Appearance / Colour	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from						
ļ	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.						
Visual Appearance / Colour	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear						
Visual Appearance / Colour  Describe Area and Quantity  Lost during fishing	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)						
Visual Appearance / Colour  Describe Area and Quantity	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear						
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Supplementary notes on Marpol Regulations
Note: Vessels may dump garbage as close
as 3 nautical miles to the shore if they have
a 'comminuter' onboard
(a machine that shreds garbage to tiny pieces).
Otherwise they cannot dump garbage within
12 nm of the coast. Report on all vessels
dumping within 12nm of the coast. We can
check if they have a comminuter onboard later.

Со	untry Codes		
AS	American Samoa	MH	Marshall Islands
ΑU	Australia	NR	Nauru
CK	Cook Islands	NC	New Caledonia
EC	Ecuador	NZ	New Zealand
FM	Fed. States of Micronesia	NU	Niue
FJ	Fiji Islands	MR	Northern Mariana
FR	France	PW	Palau
PF	French Polynesia	PG	Papua New Guinea
GU	Guam	PH	Philippine
ID	Indonesia	RU	Russia
IW	International Waters	SB	Solomon Islands
JP	Japan	TW	Taiwan
TO	Kingdom of Tonga	TK	Tokelau
ΚI	Kiribati	TV	Tuvalu
KR	Korea	US	United States
CN	Mainland China	VU	Vanuatu
MY	Malaysia	WS	Samoa

SPC/FFA REGIONAL OBSERVER FORM GEN-6														
				POL	LUTIO	ON RI	EPOR	RT					OL.	14-0
REVISED MARCH 2014 OBSERVER NAME				VESSEL NA	AME	OBSERVER ID NUMBER					PAGE	OF		
			- 1	fill in one fo	rm for	each p	ollutio	n incide	ent -			•		
INCIDENT DET														
Ship's D DD MM	ATE and YY	TIME hh	mm	LATITUI (dd°mm.mı		N/S	LONGITUDE (ddd°mm.mmm')					EEZ/HA	RBOUR	
WIND DIRECTION	1	<u>                                     </u>	ED	SEA CONDITIONS CURF			RENT : (knts and direction °)  OBSERVER'S VESSEL ACTIVI					IVITY		
NAME OF OFFENDING VESSEL				IRCS	SSEL		OUR PO			FENDING stance (nau				
				WAST	E DUMI	PED O\	/ERBO	ARD						
Material Tick each box that applies				Describe Type	e				D	escrib	e Quant	tity		
Plastics														
Metals														
Waste oil														
Chemicals														
General garbage (within 12 miles of shoreline)	describe	e:												
				OIL SP	ILLAGE	S AND	LEAKA	GES						
Source			Tick eac	1 1/10	I Wighal Appearance /				e / Colour Describe Area and Quantity					,
Vessel Aground /	Collisio	n		•	*									
Vessel at Anchor	/ Berth													
Vessel Underway														
Land based sourc	e - Des	scribe sou	urce											
Other - please spec	cifiy							,						
	<u> </u>			Aband	oned or	Lost Fi	shing (	Gear						
Sour	ce		Act	ivity	Des	cribe (	Gear Estimate Quantity							
Lost during fishi	ing													
Abandoned														
Dumped														
Other comments:														
Did you take d	Were there any stickers/ posters displayed to remind the vessel about MARPOL Regulations: Y / N  Did you take any photos?  If yes, please state the number(s) of the photo frames or files.													

#### MARPOL Regualations - state

It is illegal for any vessel to discard any form of plastics into the sea at anytime. It is illegal for any vessel to discard any form of oil into the sea at anytime.

It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the sea shore.

#### Revised March 2014 Notes on FORM GEN-6

#### **POLLUTION REPORT**

Remember - Fill in one form for each pollution incident. There might be more than one per day. If forms run out, report this on the last form and continue recording pollution infringements in diary.

Observer Name	Put first name first, and your family name last.						
Vessel Name	Record the full name of the vessel. Do not use any abbrevations.						
Observer ID Number	Use the number assigned by the observer programme e.g. AA 03-01						
Page of	Number all GEN-6 pages in sequence from the start until the end of the trip						
Date of Incident (dd/mm/yy)	Date pollution seen in day, month and year. Use ship's time as defined in other						
Time (00.00 hrs)	Report the time using the 24hr clock.  observer data collection forms						
Latitude / Longitude	Record the GPS positon of the host vessel when the pollution was first seen.						
EEZ / Harbour	Record the EEZ or, for shorebase staff, mark port or Harbour name here.						
Wind Direction	The prevailing wind direction. Use degree eg. 90 degrees for an east wind						
Wind Speed	Record the prevailng wind speed.						
Sea Conditions	C- Calm, S- Slight, M- Moderate, R - Rough.						
Current (knts and direction)	If the vessel has a current meter find out what the current strength is.						
	State the host (observer's) vessel activity at the time of the pollution incident.						
Observer's vessel activity	Some activities to consider might be:						
	fishing; transhipping; bunkering; transitting; aground.						
	Make an effort to record the complete and proper name of offending vessel.						
Name of offending vessel	Be careful not to make any spelling mistakes which may make it difficult to						
www.	prosecute the vessel if the report goes through legal proceedings.						
IRCS	The international callsign is marked in large letters on the side of the boat.						
Type of vessel	Consider the full vessel and aircraft codes on the front of Form GEN-1.						
Your positon from offending	Use the vessel compass to get direction of offending vessel from host vessel.						
vessel.	The radar can be used to get an extact distance in nautical miles.						
vessei.	Otherwise give best estimate and note if it is the observer's or someone else's.						
	WASTE DUMPED OVERBOARD						
700000000000000000000000000000000000000	Tick each correct box to show which types of materials were dumped.						
Material	Only tick two or more materials if vessel has dumped more than one material						
Matoria:	type over at the same time - e.g.: it dumped plastic and metal at 10:00hrs.						
	If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.						
Describe type	Give as good a description as possible of the type of dumped material.						
Decembe type	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.						
	Give a best estimate of the amount dumped. Sometimes this will be easy -						
Describe Quantities	e.g., 12 metal oil drums were dumped. At other times the material might be						
	too far away to see the amount. If it is too far away then estimate the amount						
	as well as possible and make note that it is only a rough estimate at distance.						
	OIL SPILLAGES AND LEAKAGES						
Source	Tick to indicate where the spillage or leak came from						
Visual Appearance / Colour	Describe the colour/ thickness/depth of the spill as well as able.						
Describe Area and Quantity	Give a best estimate of the size of the spill.						
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	Abandoned or Lost Fishing Gear						
Lost during fishing	Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)						
Abandoned	For any fishing gear abandoned by another vessel and found by host vessel						
<b>D</b>							
Dumped	For any gear dumped by host vessel, see above.						

Supplementary notes on Marpol Regulations
Note: Vessels may dump garbage as close
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PF	French Polynesia	PG	Papua New Guinea
GU	Guam	PH	Philippine
ID	Indonesia	RU	Russia
IW	International Waters	SB	Solomon Islands
JP	Japan	TW	Taiwan
TO	Kingdom of Tonga	ΤK	Tokelau
ΚI	Kiribati	TV	Tuvalu
KR	Korea	US	United States
CN	Mainland China	VU	Vanuatu
MY	Malaysia	ws	Samoa

#### FORM GEN-6 **POLLUTION REPORT** REVISED MARCH2014 VESSEL NAME **OBSERVER NAME** OBSERVER ID NUMBER PAGE OF - fill in one form for each pollution incident -**INCIDENT DETAILS** Ship's DATE and TIME LATITUDE LONGITUDE EEZ/HARBOUR N/S E/W (dd°mm.mmm') (ddd°mm.mmm') WIND DIRECTION WIND SPEED SEA CONDITIONS CURRENT: (knts and direction °) OBSERVER'S VESSEL ACTIVITY (C, S, M, R) NAME OF OFFENDING VESSEL IRCS TYPE OF VESSEL YOUR POSITION FROM OFFENDING VESSEL Compass Bearing Distance (nautical miles) WASTE DUMPED OVERBOARD Tick each box Material Describe Type Describe Quantity that applies **Plastics** Metals Waste oil Chemicals General garbage (within 12 miles describe: of shoreline) **OIL SPILLAGES AND LEAKAGES** Tick each box Source Visual Appearance / Colour Describe Area and Quantity that applies Vessel Aground / Collision Vessel at Anchor / Berth Vessel Underway Land based source - Describe source Other - please specifiy Abandoned or Lost Fishing Gear Source Activity Describe Gear **Estimate Quantity** Lost during fishing Abandoned Dumped Other comments: Were there any stickers/ posters displayed to remind the vessel about MARPOL Regulations ? Υ / N Did you take any photos? If yes, please state the number(s) of the photo frames or files.

SPC/FFA REGIONAL OBSERVER

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#### Revised March 2014 Notes on FORM GEN-6

#### **POLLUTION REPORT**

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Programme of the Control of the Cont	Tick each correct box to show which types of materials were dumped.						
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	If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.						
Describe type	Give as good a description as possible of the type of dumped material.						
Везопые туре	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.						
	Give a best estimate of the amount dumped. Sometimes this will be easy -						
Describe Quantities	e.g., 12 metal oil drums were dumped. At other times the material might be						
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	OIL SPILLAGES AND LEAKAGES						
Source	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from						
Source Visual Appearance / Colour	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.						
Visual Appearance / Colour	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from						
ļ	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.						
Visual Appearance / Colour	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear						
Visual Appearance / Colour  Describe Area and Quantity  Lost during fishing	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)						
Visual Appearance / Colour  Describe Area and Quantity	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear						
Visual Appearance / Colour  Describe Area and Quantity  Lost during fishing	OIL SPILLAGES AND LEAKAGES  Tick to indicate where the spillage or leak came from  Describe the colour/ thickness/depth of the spill as well as able.  Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)						

Supplementary notes on Marpol Regulations
Note: Vessels may dump garbage as close
as 3 nautical miles to the shore if they have
a 'comminuter' onboard
(a machine that shreds garbage to tiny pieces).
Otherwise they cannot dump garbage within
12 nm of the coast. Report on all vessels
dumping within 12nm of the coast. We can
check if they have a comminuter onboard later.

Со	untry Codes		
AS	American Samoa	MH	Marshall Islands
ΑU	Australia	NR	Nauru
CK	Cook Islands	NC	New Caledonia
EC	Ecuador	NZ	New Zealand
FM	Fed. States of Micronesia	NU	Niue
FJ	Fiji Islands	MR	Northern Mariana
FR	France	PW	Palau
PF	French Polynesia	PG	Papua New Guinea
GU	Guam	PH	Philippine
ID	Indonesia	RU	Russia
IW	International Waters	SB	Solomon Islands
JP	Japan	TW	Taiwan
TO	Kingdom of Tonga	TK	Tokelau
ΚI	Kiribati	TV	Tuvalu
KR	Korea	US	United States
CN	Mainland China	VU	Vanuatu
MY	Malaysia	WS	Samoa

POLLUTION REPORT													
REVISED MARCH2014  OBSERVER NAME	Į,	VESSEL NAM	ИΕ			OBSERV	ER ID NU	JMBER		PAGE	OF	:	
	- fill ir	n one for	m for	each p	ollutio	n incid	dent -						
INCIDENT DETAILS													
Ship's DATE and TIME DD MM YY hh	mm	LATITUDE (dd°mm.mm		N/S		ONGITUD d°mm.mm		E/W		EEZ/HA	RBOL	JR	
WIND DIRECTION WIND S	PEED S	SEA CONDITI	ONS	CURE	FNT · (k	nts and di	irection °	)	OBSERV	VER'S VES	SEL A	CTIV	ITY
WIND DINCESTION WIND O		(C, S, M, R		00141		mo ana a	noodon ,	,	OBOLIN	VERTO VEG	<i>,</i>	.0111	
NAME OF OFFENDING VESSE	L	IRCS	TYPE	OF VES						M OFFENDING VESSEL Distance (nautical miles)			
WASTE DUMPED OVERBOARD													
Material Tick each box that applies	Desc	cribe Type					С	Descri	oe Qua	ntity			
Plastics													
Metals													
Waste oil													
Chemicals													
General garbage (within 12 miles of shoreline)  describe:													
<u> </u>		OIL SPII	LLAGE	S AND	LEAKA	GES							
Source	Tick each bo	1 1/101	ıal App	earand	e / Co	lour	Ι	Descr	ibe Ar	ea and 0	 Quan	tity	
Vessel Aground / Collision													
Vessel at Anchor / Berth													
Vessel Underway													
Land based source - Describe s	ource												
Other - please specifiy	•					•							
·		Abando	ned or	Lost Fi	shing (	Gear							
Source	Activity	y Describe Gear			Sear Estimate				te Quant	ity			
Lost during fishing													
Abandoned													
Dumped													
Other comments:		<u> </u>											
Were there any stickers/ p Did you take any photos? If yes, please state the nu						l abou	t MAR	RPOL	Regu	lations	}	'   '	N N

SPC/FFA REGIONAL OBSERVER

#### MARPOL Regualations - state

It is illegal for any vessel to discard any form of plastics into the sea at anytime.

It is illegal for any vessel to discard any form of oil into the sea at anytime.

It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the sea shore.

#### Revised March 2014 Notes on FORM GEN-6

#### **POLLUTION REPORT**

Remember - Fill in one form for each pollution incident. There might be more than one per day. If forms run out, report this on the last form and continue recording pollution infringements in diary.

Observer Name	Put first name first, and your family name last.					
Vessel Name	Record the full name of the vessel. Do not use any abbrevations.					
Observer ID Number	Use the number assigned by the observer programme e.g. AA 03-01					
Page of	Number all GEN-6 pages in sequence from the start until the end of the trip					
Date of Incident (dd/mm/yy)	Date pollution seen in day, month and year. Use ship's time as defined in other					
Time (00.00 hrs)	Report the time using the 24hr clock.  observer data collection forms					
Latitude / Longitude	Record the GPS positon of the host vessel when the pollution was first seen.					
EEZ / Harbour	Record the EEZ or, for shorebase staff, mark port or Harbour name here.					
Wind Direction	The prevailing wind direction. Use degree eg. 90 degrees for an east wind					
Wind Speed	Record the prevailng wind speed.					
Sea Conditions	C- Calm, S- Slight, M- Moderate, R - Rough.					
Current (knts and direction)	If the vessel has a current meter find out what the current strength is.					
	State the host (observer's) vessel activity at the time of the pollution incident.					
Observer's vessel activity	Some activities to consider might be:					
	fishing; transhipping; bunkering; transitting; aground.					
	Make an effort to record the complete and proper name of offending vessel.					
Name of offending vessel	Be careful not to make any spelling mistakes which may make it difficult to					
www.	prosecute the vessel if the report goes through legal proceedings.					
IRCS	The international callsign is marked in large letters on the side of the boat.					
Type of vessel	Consider the full vessel and aircraft codes on the front of Form GEN-1.					
Your positon from offending	Use the vessel compass to get direction of offending vessel from host vessel.					
vessel.	The radar can be used to get an extact distance in nautical miles.					
vessei.	Otherwise give best estimate and note if it is the observer's or someone else's.					
WASTE DUMPED OVERBOARD						
7000	Tick each correct box to show which types of materials were dumped.					
Material	Only tick two or more materials if vessel has dumped more than one material					
Waterial	type over at the same time - e.g.: it dumped plastic and metal at 10:00hrs.					
	If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.					
Describe type	Give as good a description as possible of the type of dumped material.					
Везопае туре	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.					
	Give a best estimate of the amount dumped. Sometimes this will be easy -					
Describe Quantities	e.g., 12 metal oil drums were dumped. At other times the material might be					
Describe Quartities	too far away to see the amount. If it is too far away then estimate the amount					
	as well as possible and make note that it is only a rough estimate at distance.					
	OIL SPILLAGES AND LEAKAGES					
Source	Tick to indicate where the spillage or leak came from					
Visual Appearance / Colour	olour Describe the colour/ thickness/depth of the spill as well as able.					
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
Describe Area and Quantity	Give a best estimate of the size of the spill.					
Describe Area and Quantity	Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.					
Describe Area and Quantity	Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear					
Lost during fishing	Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)					
_	Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)  For any fishing gear abandoned by another vessel and found by host vessel					
Lost during fishing	Give a best estimate of the size of the spill.  The boat could be a size reference - e.g.: it was 4 times bigger than the boat.  Abandoned or Lost Fishing Gear  Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)					

Supplementary notes on Marpol Regulations
Note: Vessels may dump garbage as close
as 3 nautical miles to the shore if they have
a 'comminuter' onboard
(a machine that shreds garbage to tiny pieces).
Otherwise they cannot dump garbage within
12 nm of the coast. Report on all vessels
dumping within 12nm of the coast. We can
check if they have a comminuter onboard later.

Cou	ntry Codes	***************************************	
AS	American Samoa	MH	Marshall Islands
ΑU	Australia	NR	Nauru
CK	Cook Islands	NC	New Caledonia
EC	Ecuador	NZ	New Zealand
FM	Fed. States of Micronesia	NU	Niue
FJ	Fiji Islands	MR	Northern Mariana
FR	France	PW	Palau
PF	French Polynesia	PG	Papua New Guinea
GU	Guam	PH	Philippine
ID	Indonesia	RU	Russia
IW	International Waters	SB	Solomon Islands
JP	Japan	TW	Taiwan
TO	Kingdom of Tonga	ΤK	Tokelau
ΚI	Kiribati	TV	Tuvalu
KR	Korea	US	United States
CN	Mainland China	VU	Vanuatu
MY	Malaysia	WS	Samoa

## SPC/FFA REGIONAL OBSERVER TRIP RECONCILIATION

FORM SUP-3

REV. MAR. 2014			
OBSERVER NAME	VESSEL NAME	VESSEL CALL-SIGN	OBSERVER TRIP ID No.

				TRAVEL DE	TAILS				
EVENT				ARRIVAL			ACTIV- ITY	DAYS	COMMENTS
CODE	PLACE OR VESSEL	DATE	TIME	PLACE OR VESSEL	DATE	TIME	CODE	DATO	COMMENTO

#### ALL DETAILS TO BE FILLED OUT IN A CHRONOLGICAL ORDER

#### **EVENT CODES**

#### **ACTIVITY CODES**

EVENT CODES		ACTIVITI CODES	
Observer boards plane	BP	Air Flight	AF
Observer boards ferry	BF	Ferry Trip	FT
Observer arrives in stopover port or town	OS	Observer stopover travelling to or from vessel	SO
Observer arrives in port for start of trip	OA	Observer waiting for vessel departure on shore	OW
Observer boards vessel	BV	Observer transiting home after trip	TR
Vessel departs port with observer	VD	Vessel in Port (observer onboard)	VP
Vessel arrives in port with observer	VA	Vessel at Sea (observer on board)	VS
Observer disembarks vessel	DV		
Observer transfers to a different vessel	OT	Other (describe in comments)	OR



## SPC/FFA REGIONAL OBSERVER ADVANCES and CLAIMS FORM

FORM SUP-4

REV MAR	. 2014										
	/ER NAME		VESSEL NAME					IRCS		PAGE	OF
					ADVANO	CES					
	ance Claim	NAME OF	OBSERVER				SI	GNATURE	State TYPE	= of	T
ADV #	Ref No. Observer Trip ID No	PROGRAMME or FISHING COMPANY MAKING ADVANCE			AME OF PE		Ξ	(of person making advance)	ADVANCE ( cash /othe	i.e. Curr	Amount
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
			SERVER EX	PENS	E CLAIM	S FOR	REIN	/IBURSEMI	ENT		
			[number (#) each receipt]		Amount		aim ite		(#) each receipt		Amount
EXP#		Description		ency		#		Descri	ption	ency	
2						13 14					
3						15					
4						16					
5						17					
6						18					
7						19					
8						20					
9						21					
10						22					
11						23					
12						24					
										l e	
<u>ج</u>	Pleas	e make paym	ents to:								
Tick one box only:					(pa	yee's <i>na</i>	ime)			observer's si	anature
e bc		///									_
<del>X</del>   o		(bank				ranch)			(account num	ber)	
≝	Pleas	e arrange for	funds to be a	availab	le on pres	entatio	on of p	assport			
,	Mritton rong	rt							Pogiato		
	Written repo d data was s		caried, courier, e	express	mail, etc.)	O	n	(date)	red mail		
			and dates of								
the ve		iy independer	nt report and	uata co	onection is	a true	and c	correct reco	ra or my ob	servations	onboard
		SIGN	NED:					Date	:		

New for 2014: All advances received by an observer must be filled in on this form.

Advances will not be reimbursed unless the advances are fully documented on this form and signed off.

	ADVANCES
Advance Claim Reference Number trip	ne advance claim reference number is a mixture of a 'claim' number and the observer of id number. Combined these numbers help to uniquely identify each observer wance so it can be reimbursed to the person that made the advance. In the future wances will not be reimbursed if they don't have the advance claim reference number is important that you notify the person making the advance of the number and get they be not sign the form. See below. If possible make sure they get a photopy of the form they have signed it. Example of an advance claim reference number: ADV #1:
OBSERVER adva	ate the name of the observer programme or the fishing company that provided the vance. You should include the full contact details for the fishing company in your trnal. Remember to record the full mailing address and the email and phone number in journal.
FULL NAME OF PERSON PROVIDING THE ADVANCE	early record the full name of the person that gave you the advance.
SIGNATURE (of person making advance) form	u must get the signature of the person who made the advance. In future the person or eir observer programme or fishing company will not be paid back the advance if this m is not filled in. If the advance was sent from overseas your Observer Coordinator est sign the form.
TYPE OF ADVANCE Stat	ate if you received cash, traveller's check or a bank transfer.
CURRENCT	ate the currency that was received (i.e US for US dollars, YEN for Japanese yen, FJ Fijian dollars etc)
AMOUNT Stat	ate the amount that was received in figures to two decimal places.

#### **OBSERVER EXPENSE CLAIMS FOR REIMBURSEMENT**

- 1. All receipts should be dated and have the name of the company clearly indicated. A cash register receipt must be clear and have the item purchased listed on the receipt if this is not available ask for a hand written receipt with company name on the receipt. Remember to record what the currency is on each receipt.
- If no receipts are available (e.g. taxis) list these items on a sheet with full details, dates and currency and sign the sheet.
- 3. Make sure all claim receipts are numbered and are placed in a separate envelope along with used and/or unused airline tickets. Send the envelope with work books.
  Under no circumstances send anything by normal or surface mail
- 4. Observers are able to claim work related taxi/bus fares, airport tax, safety deck boots, helmets, etc.

  If you are not sure if you can make a claim for an item, put a claim in and your coordinator will assess the claim.
- 5. Safely package (preferably in a padded envelope) data and workbooks, the envelope containing receipts, photographs and/or any other items and make sure they are hand carried, sent by Courier, or sent by Express Registered Air-Mail. Normal or surface mail can take months and will delay final payment. All costs of sending the packages by courier or express mail are refundable.
  - UNDER NO CIRCUMSTANCE MAIL THESE ARTICLES BY NORMAL OR SURFACE
- 6. Fax a copy of this form to your main office or as advised by your coordinator. Send the original copy with the receipts.
- 7. Although DSA (per diem / travel and accomodation allowances) cover accommodation copies of hotel/motel receipts that show clearly the dates stayed, must be sent in. Do not send in receipts for food purchases or personal items.

## SPC/FFA REGIONAL OBSERVER ADVANCES and CLAIMS FORM

FORM SUP-4

REV MAR	. 2014											
OBSERVER NAME VESSEL NAME							IRCS P		PAGE	PAGE OF		
ADVANCES												
	ance Claim Ref No.	NAME OF	OBSERVER				SI	GNATURE	State TYPE	= of		
ADV #	Observer Trip ID No	PROGRAMME or FISHING COMPANY MAKING ADVANCE		NAME OF PERSON PROVIDING ADVANCE			Ε	(of person making advance)  ADVANCE (i.e. cash /other)		(i.e.	Curr- ency	Amount
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
OBSERVER EXPENSE CLAIMS FOR REIMBURSEMENT												
	Claim item [number (#) each receipt]		Curr-	Amount		aim ite		number (#) each receipt]			Amount	
EXP#		Description		ency		#		Descri	ption		ency	
1						13						
2						14						
3						15 16						
5						17						
6						18						
7						19						
8						20						
9						21						
10						22						
11						23						
12						24						
12						24						
<u>::</u>	Pleas	e make pavm	ents to:									
w x	Please make payments to:  (payee's name)  Observer's signature  (bank)  (bank)  (branch)  (account number)  Please arrange for funds to be available on presentation of passport											
oq é	observer's signature									ature		
v one	(bank) (branch) (account number)											
i i	Pleas	e arrange for	funds to be a	availab	le on pres	entatio	on of p	oassport				
Written report onRegiste and data was sent (hand caried, courier, express mail, etc.) red mail												
Tourism sames, sounds, onprode man, story												
I certif	fy that the ex	xpense claims	and dates of	travel	and sea d	lays are	e a tru	ie account o	of expenses	and da	ates o	f travel;
and I	verify that m	ny independer										
the ve	ssei	SIGN	JED:					Date	ī			

New for 2014: All advances received by an observer must be filled in on this form.

Advances will not be reimbursed unless the advances are fully documented on this form and signed off.

ADVANCES								
Advance Claim Reference Number	The advance claim reference number is a mixture of a 'claim' number and the observer trip id number. Combined these numbers help to uniquely identify each observer advance so it can be reimbursed to the person that made the advance. In the future advances will not be reimbursed if they don't have the advance claim reference number It is important that you notify the person making the advance of the number and get them to sign the form. See below. If possible make sure they get a photcopy of the form after they have signed it. Example of an advance claim reference number: ADV #1: ELE 15-07							
NAME OF OBSERVER PROGRAMME or FISHING COMPANY MAKING ADVANCE	State the name of the observer programme or the fishing company that provided the advance. You should include the full contact details for the fishing company in your journal. Remember to record the full mailing address and the email and phone number in the journal.							
FULL NAME OF PERSON PROVIDING THE ADVANCE	Clearly record the full name of the person that gave you the advance.							
SIGNATURE (of person making advance)	You must get the signature of the person who made the advance. In future the person or their observer programme or fishing company will not be paid back the advance if this form is not filled in. If the advance was sent from overseas your Observer Coordinator must sign the form.							
TYPE OF ADVANCE	State if you received cash, traveller's check or a bank transfer.							
CURRENCY	State the currency that was received (i.e US for US dollars, YEN for Japanese yen, FJ for Fijian dollars etc)							
AMOUNT	State the amount that was received in figures to two decimal places.							

#### **OBSERVER EXPENSE CLAIMS FOR REIMBURSEMENT**

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- 3. Make sure all claim receipts are numbered and are placed in a separate envelope along with used and/or unused airline tickets. Send the envelope with work books. <a href="Under no circumstances send">Under no circumstances send</a> <a href="anything by normal or surface mail">anything by normal or surface mail</a>
- 4. Observers are able to claim work related taxi/bus fares, airport tax, safety deck boots, helmets, etc. If you are not sure if you can make a claim for an item, put a claim in and your coordinator will assess the claim.
- 5. Safely package (preferably in a padded envelope) data and workbooks, the envelope containing receipts, photographs and/or any other items and make sure they are hand carried, sent by Courier, or sent by Express Registered Air-Mail. Normal or surface mail can take months and will delay final payment. All costs of sending the packages by courier or express mail are refundable.
  - UNDER NO CIRCUMSTANCE MAIL THESE ARTICLES BY NORMAL OR SURFACE
- **6.** Fax a copy of this form to your main office or as advised by your coordinator. Send the original copy with the receipts.
- 7. Although DSA (per diem / travel and accomodation allowances) cover accommodation copies of hotel/motel receipts that show clearly the dates stayed, must be sent in. Do not send in receipts for food purchases or personal items.

# FOR TAGS RECOVERED ON BOARD DURING YOUR TRIP, EVEN IF YOU ARE NOT THE FINDER, THE RECOVERY INFORMATION MUST BE RECORDED IN YOUR WORKBOOK.

# DO NOT REMOVE THE FORM FROM YOUR WORKBOOK! BUT PROVIDE A COPY OF THE INFORMATION TO THE FINDER.

(either by using the tag recovery envelopes or by copying the data on another paper or forms)

### What do you do if you find a tagged fish during fishing time?

- Ask permission to put the fish aside.
- Verify that there is no archival tag in the belly. You should be able to see the antenna of the archival tag sticking out. Remove the archival tag by cutting the fish from the anus toward the gills (a small cut will be enough, do not pull the antenna).
- Measure the fish. If possible weigh the fish.
- Remove entirely the tag from the fish. Make sure that the dart doesn't remain inside the flesh of the fish.
- Fill in the tag recovery form and report the exact date and position of the catch.
- If you have access to a freezer, you can collect biological samples (otoliths, first dorsal spine, stomach, gonads, muscle, liver)

### What do you do if you find a tagged fish during a well transfer or transhipment?

- Ask permission to put the fish aside.
- Note the well number and tag number.
- Verify that there is no archival tag in the belly. You should be able to see the antenna of the archival tag sticking out. Remove the archival tag by cutting the fish from the anus toward the gills (a small cut will be enough, do not pull the antenna).
- Measure the fish. If possible weigh the fish.
- Remove entirely the tag from the fish. Make sure that the dart doesn't remain inside the flesh of the fish.
- Fill in the tag recovery form and if there were several sets in the well, report the period and the position that include all the sets.
- If you have access to a freezer, you can collect biological samples (otoliths, first dorsal spine, stomach, gonads, muscle, liver)

### What do you do if the crew gives you a tag?

- Ask when they found the tagged fish and all possible questions to recover information relative to the recovery. If the date when the tag was found is not precise you can at least enter the month and the year of the catch.
- If the catch position cannot be retrieved, try to at least describe the region where the tagged fish was caught.
- If the crew gives you an approximate date, try to access the vessel's logbook to find out where the boat was around that date and use the estimate section of the form to report the position.
- Note all the recovery information in your workbook, provide a copy to the finder (report data on another form, or tag recovery envelope). Do not take the tag from the finder.
- On your tag recovery form, in the section 'Tag provided with this form' place a cross in 'No' and specify where the crew will collect his reward.
- Upon Arrival at port you can provide assistance to the crew to collect his reward.

### Rewards

In each main port you can find a **Tag Recovery Officer (TRO)**, they are able to distribute reward for recovered tags. **If you find a tag**, to claim your reward you need to give the tag to a TRO. In PNG (Wewak, Madang, Lae), in Solomon (Honiara), in FSM (Pohnpei) and Marshall (Majuro) these TRO will debrief you on the tag recoveries and will collect your forms from your workbook.

In other regions, you can remove the tag from the recovery form (do not remove the tag recovery form from your workbook). Inform the TRO that all information related to the tag has been provided in your observer workbook. If you can make a copy of the tag recovery form provide it to the TRO. If it is not possible to make a copy of the form, give him your trip ID number (so we can find your workbook and retrieve the tag recovery forms).

If a crew member on the boat finds a tag, fill out the tag recovery form with him and give the tag back to the finder with a copy of the data., and advise him where to collect his reward in the next major port.

Tag recoveries may also be reported to SPC by email (tagging@spc.int), or on a web-based form at: www.spc.int/tagging

You can inform the captain and the crew that they can use the website if they recover tags in the future. Observers must always use the recovery forms in the workbook to report tag recoveries. At the end of the trip if you have extra forms, you can remove them from your workbook and provide them to the captain.

For advices contact the Tagging Recovery Officer Coordinator: Caroline Sanchez - Carolines@spc.int /(+687 242227)

### Reward Collection Locations

### American Samoa

 CIFFO – Cook Island Field Fisheries Office PAGO PAGO (Contact: Isaiah Hunkin)

#### China

- China Fisheries Association, BEIJING (Contact: Zhao Gang)
- Ningbo Poseidon Food Company NINGBO (Contact: Shirley Chen)

#### Cook Islands

 Ministry of Marine Resources RAROTONGA (Contact: Andrew Jones)

### Ecuador

 Inter American Tropical Tuna Commission IATTC/CIAT in MANTA (Contact: Francisco Robayo)

### Federated States of Micronesia

- Secretariat of the Pacific Community POHNPEI (Contact: Amelia Antreas)
- National Oceanic Resource Management Authority POHNPEI (Contact: Roland Halichilmal)

### Fiji

 Secretariat of the Pacific Community SUVA (Contact: Front Office)

### Guam

 Guam Fishermen's Cooperative Association GUAM (Contact: Manuel Duenas)

### Indonesia

Research Centre for Capture Fisheries, JAKARTA
 (Contact: Anung Widodo)

### Japan

National Research Institute of Far Seas Fisheries SHIMIZU (Contact: Junji Kinoshita)

### Kiribati

- Ministry of Fisheries & Marine Resource Development, Bairiki TARAWA (Contact: Mamera Afeleti / Benaia Bauro)
- Ministry of Fisheries & Marine Resource Development, CHRISTMAS ISLAND (Contact: Taratau Kirata)

### Korea

 National Fisheries Research and Development Institute BUSAN (Contact: Seon Jae Wang (황선재)

### Marshall Islands

 Marshall Islands Marine Resources Authority MAJURO (Contact: Berry Muller/Mark Bigler)

### New Caledonia

 Secretariat of the Pacific Community NOUMEA (Contact: Caroline Sanchez)

### Papua New Guinea

- National Fisheries Authority PORT MORESBY (Contact: Benthly Sabub)
- National Fisheries Authority LAE
- (Contact: Walter Rupo / Billy Pangi.)
- 3. Frabelle PNG LAE (Contact: Celia Batobato)
- National Fisheries Authority MADANG (Contact: Clement Kuag)
- 5. RD Fishing PNG VIDAR (Contact: Sammy Rivera)
- 6. National Fisheries Authority WEWAK (Contact: Andrew Rahiria )
- South Sea Tuna Corporation WEWAK (Contact: Eldwin Umusig)
- 8. National Fisheries Authority RABAUL (Contact: Ellison Semi)

### Palau

 Bureau of Marine Resources KOROR (Contact: Kathy Sisior)

### Philippines

- Bureau of Fisheries & Aquatic Resources MANILA (Contact: Noel Barut / Elaine Garvilles)
- Bureau of Fisheries & Aquatic Resources GENERAL SANTOS (Contact: Glennville Castrence / Ian Medel Lipio)
- Bureau of Fisheries & Aquatic Resources DAVAO (Contact: Front Office)

### Seychelles

Indian Ocean Tuna Commission SEYCHELLES
 (Contact: Julien Million)

### Solomon Islands

- Ministry of Fisheries & Marine Resources HONIARA (Contact: Derrick Tagosia)
- Forum Fisheries Agency HONIARA (Contact: Ambrose Orianihaa)
- 3. Soltai Fishing NORO (Contact: Solomon Kakana)
- Ministry of Fisheries & Marine Resources NORO (Contact: Derick Suimae)

### Taiwan

- Taiwan Deep Sea Tuna Purse Seiners Association KAOHSIUNG (Contact: Jason Tsai)
- Overseas Fisheries Development Council KAOHSIUNG (Contact: Peter Ho (何勝初))

### Thailand

 Thailand Department of Fisheries, SAMUTSAKOM (Contact: Suwimon Keerativiriyaporn)

### United States of America

- Inter American Tropical Tuna Commission SAN DIEGO (Contact: Dan Fuller)
- National Oceanic and Atmospheric Administration HONOLULU (Contact: David Itano)

### Vietnam

- 1. Phu Yen Province (Contact: Le Duc Tuong)
- Binh Dinh Province (Contact: Nguyen Duy Lam)
- Khanh Hoa Province (Contact: Vo Khac En)

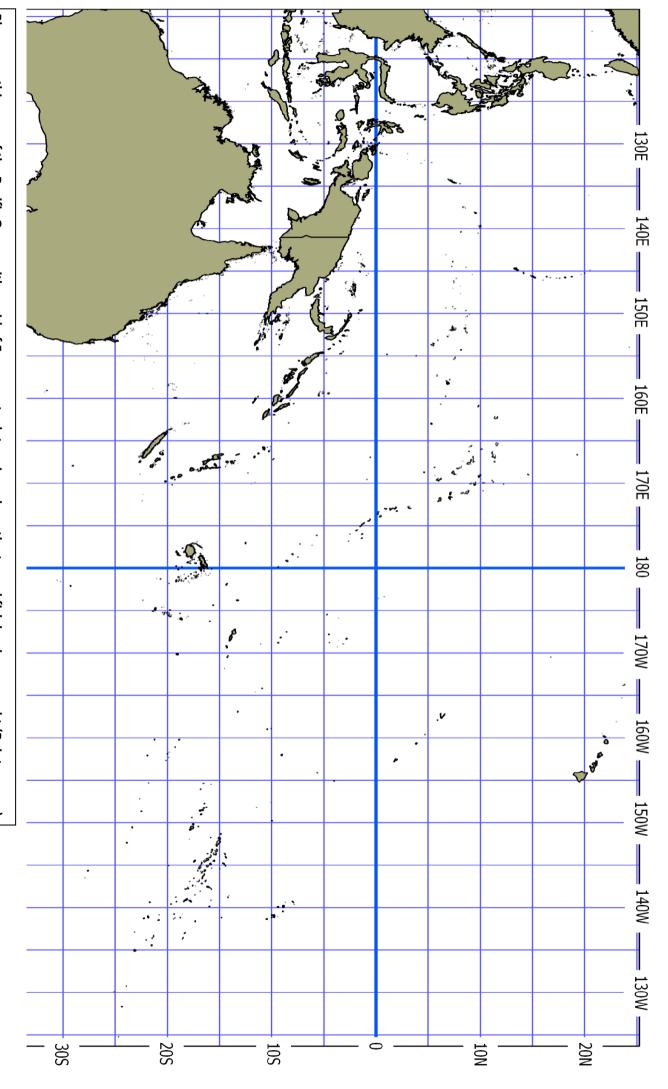
### HOW TO FILL THE TAG RECOVERY FORM

Note the 1st date when the tag has been found.  If you dont have an exact date, place a dash in the day field and note the month and/or year.  If there is more the recovered during to the state of the	he trip,
TAG NUMBER: DATE WHEN TAG FOUND: number each page FOUND: number each page FOUND: Cold storage	
ACTIVITY WHEN FOUND: WELL NUMBER WHERE FISH FOUND: (If Ap	plicable)
FISH INFORMATION the tagged fish? Are you sure about the identification? If tagged fish is found transfer/transhipmen	10.00
Upper jaw to NO length 157 4	
T DISCOURTE Information —	
If there is no weight, place a cross and move to the next section. Other Please specify:	
PROCESSED STATE WHEN MEASURED: Fresh Frozen Frozen Frozen then thawed	
FISH NO weight X HOW WEIGHED? M Choose one option to describe the processed state.	
PROCESSED STATE WHEN WEIGHED: Whole weight Gilled & gutted Other please specify:	
If you know exactly when and where the fish was caught.  If you find the tagged fish in a well composed of sev or if the finder is not sure of position and date of cat	
Record 2 lines of latitude and 2 of longitude to form	03 11
POSITION  Exact X dd mm.mmm N/S Estimated X in which tag was likely recovered dd mm.mmm N/S ddd mm.mmm N/S ddd mm.mmm	CO. FULLANCE
Longitude 140 O 04.600 ' E	' E
OF DESCRIBE EIGHING ADEA.	$-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$
VESSEL NAME:  Use the chart on the back of the form. Place a cross for the	150°E
FISHING If on a PS or PL, enter the school type. If position of each set, then draw a box that includes all the sets.	
found in well with several school types,  Report in the table the two	
Iongitudes and the two latitudes creating the box.	The state of
TRANSSHIPMENT INFORMATION/ Carrier only (if tag found a	
If the recovery of a tagged fish involve a carrier/reefer, fill this section. If the unloading/transhipment occurs at port, note the	
name of the port, if it is at sea note the country code (EEZ of the country).  If transhipment/set share occur the same note only 1 date.	me day,
F Country where the recovery will be reported	
or port where you desimbarked.  NDER ADDRESS:  If you can't provide an address, note the fishing company.	
RECOVERY:	
TAG PROVIDED WITH THIS FORM  Yes  X  No  (tag ke where he will collect his reward.	
TYPE OF X Not REWARD X oven If you or the finder haven't received a	
reward , cross "Not Given".	
Use this section to record any relevant information not provided on the form. Example: Archival tag number	r/copy
of the data provided to the tag finder.  You can attach the tag here:	
Type of tag Reward	
Yellow tag, Orange tag or Green tag - 10% or Can or T-shirt	

### HOW TO FILL THE MULTIPLE TAG RECOVERY FORM

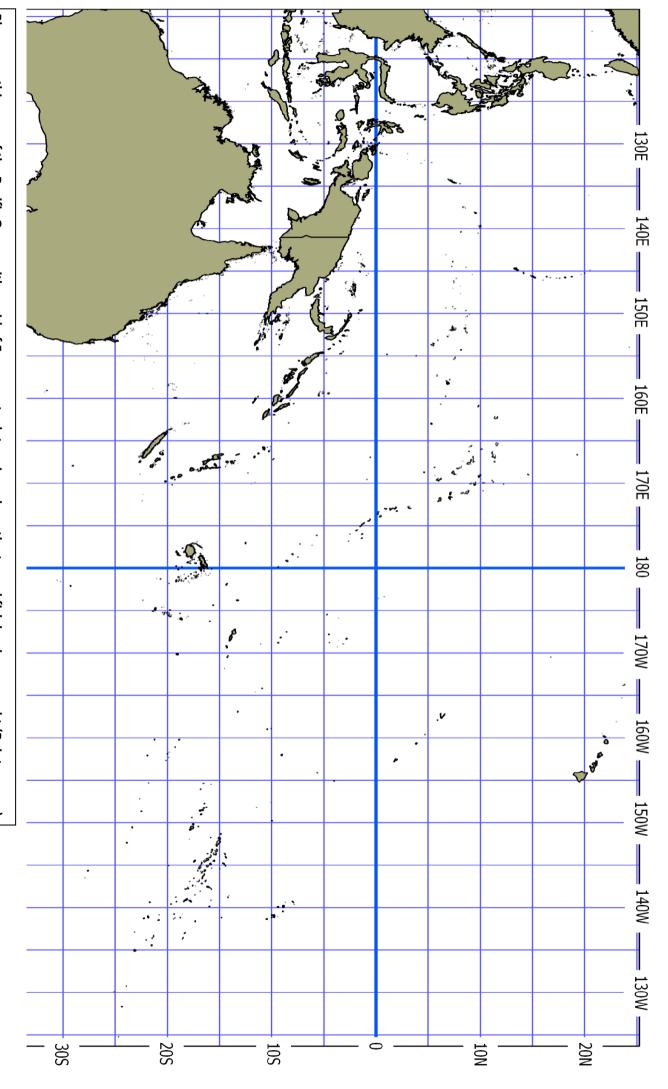
		RECOVERY FORM THE SAME DAY, COMING FRO Indicate if you have more than 1 series of multiple tag recoveries.							
Where did you the tagged find where FOUND:		DATE WHEN TAG FOUND:  26 08 11  Note the date when the tags were first found. If you don't have an exact date, place a dash in the day field and note the month and/or year.							
ACTIVITY WHEN FOUND:	X Fishing	What were you doing when you found the tagged fish? (If Applicable) where FISH FOUND:							
TAG NUMBER: FORK LENGTH cm	NO length Information	If the tagged fish come from a well, note the number and position (Eg; S2 for starboard well #2). It is very important to note this information first and then you can deternine which sets composed this well from your logbook.							
NUMBER: FORK LENGTH	P-234587  NO length Information	SPECIES: SKJ BET YFT Other please specify: Confirmed Guessed  HOW MEASURED? Measuring tool  Bestimated WHE Are you sure about the identification?							
FISH WEIGHT Kg	NO weight information	HOW WEIGHED?  Measuring tool  Estimated PROCESSED STATE Whole Gilled & gutted  Other							
FORK LENGTH  65 cm  FISH WEIGHT	Note the size of	species: SKJ BET YFT Other please Specify: Confirmed Guessed  the fish, round down to the nearest cm (Eg: 65.7cm=65  Select 'Fresh' for a							
measured v	ze and weight vith an or estimated?  NO weight information	CIES: SKJ BET YFT Other please specify:  WHEN WEIGHED: tagged fish caught during fishing time.  Select 'Frozen' if found during well transfer/unloading.  HOW WEIGHED? Measuring Estimated PROCESSED STATE WHEN MEASURED:  When WEIGHED? Whole Gilled & Weight gutted Other							
TAG NUMBER: FORK LENGTH	2005	Select the processed state  Select the processed state of the fish when weighed.							
FISH WEIGHT Kg	NO length Information X  NO weight information X	If there is no length, place a cross and move to the next section.  If there is no weight, place a cross and move to the next section.							
TAG NUMBER:	P-195236	SPECIES: X SKJ BET YFT Other please specify:							
FORK LENGTH 46 cm FISH WEIGHT	NO length Information  NO weight	HOW MEASURED?   Measuring   Estimated   PROCESSED STATE WHEN   MEASURED:   Frozen   PROCESSED STATE WHEN   Whole   Gilled &							
<b>1</b> кд	information	HOW WEIGHED?    Measuring   Estimated   PROCESSED STATE WHEN   Weight   Gilled & gutted   Other							
NUMBER: FORK LENGTH	P-278564	SPECIES: SKJ BET X YFT Other please specify: X Confirmed Guessed							
85 cm FISH WEIGHT 5.9 Kg	Information  NO weight information	HOW MEASURED?    X   tool							
	WHEN TO USE AND HOW TO COMPLETE THE MULTIPLE TAG RECOVERY FORM  This multiple tag recovery form is meant to be used when a finder recovers up to 8 tagged fish the <u>same</u> day, either from the <u>same set</u> during fishing time or from the <u>same well</u> during transfer or unloading.  The fishery information must be filled at the back of the form								

Note that each fish has a different tag number, they can be different species, the size and weight can be different.



and minimum latitute and longitude on the first page. deployed). Write down the set number and the date next to the set position (cross). Draw a box which includes all the sets and record the maximum If you have several dates and positions corresponding to sets, plot the latitude and longitude of all the sets (make a cross where each set has been Please use this map of the Pacific Ocean with a grid of 5 squares to determine where the tagged fish has been caught (Point or area)

Email: tagging@spc.int
Website: www.spc.int/tagging



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Email: tagging@spc.int
Website: www.spc.int/tagging

Type of tag	Reward	
Yellow tag, Orange tag or Green tag	– 10\$ or C	Cap or T-shirt
Internal archival tag	- 250\$	

COMMENTS:

Type of tag	Reward	
Yellow tag, Orange tag or Green tag	– 10\$ or C	Cap or T-shirt
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COMMENTS:

Type of tag	Reward	
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COMMENTS:

Type of tag	Reward	
Yellow tag, Orange tag or Green tag	– 10\$ or C	Cap or T-shirt
Internal archival tag	- 250\$	

COMMENTS:

Measuring

Estimated

HOW WEIGHED?

PROCESSED STATE

WHEN WEIGHED:

Whole

weiaht

Gilled &

autted

Other...

FISH WEIGHT

NO weight

FISH CATC	H INFORMAT	ION / Da		sition	when f	ish was	s caugl	nt by th	ne fishin	g ves	sel					
DATE	Exact		DD	MM	YY	E	stimated		From	DD	MM		to	DD	MM	YY
DOSITION	Exact		dd	mm.mmm	l N.	/S <b>E</b> :	stimated						ide and 2 of Ion g was likely rec	covered		E/W
POSITION	Lat	titude	ddd	mm.mmm		w eg	Max	dd o	mm.mmm	1	N/S	apn	ddd	mm.n	nmm	E/W
	Lon	gitude	0	•	'	k Katitude	M is	0		,		Longitude	0		•	
	or DESCRIBE FISHING AREA:															
FISHERY IN	NFORMATION	l (Catche	er / Fishin	ıg vess	el that	caught	the tag	ged fi	sh)							
VESSEL NAM	E:						F	LAG:								
FISHING METHOD:	Longline		Purse seine	•	Trol	I		Hand	line			Gill	net Other:			
SCHOOL TYPE:	Log		Free school		Anc	hored FAI	D [	Driftin	ng FAD	FA	.D no:					
TRANSSHI	PMENT INFOR	RMATIO	N/ Carrier	only (i	f tags	found c	during s	set sha	re/trans							
NAME OF CARRIER:			FLAG:			F TRANS VESSEL			<b>и</b> [	DD	MM		to [	DD	MM	YY
LOCATION OF FROM FISHING CARRIER (EE)		ΙΤ			TRANSI POSITIO	HIPMENT ON:	Latitude	dd o	mm.mmm	1	N/S	Longitude	ddd	mm.n	nmm	E/W
FINDER INI	FORMATION /	finder o	details for	· lottery	,											
FINDER NAME	<u>.</u>					FINDER	ADDRES	S:								
PORT OF RECOVERY:							RY INFO		N RECEIVI name):	ED AT						
ALL TAGS PRO WITH THIS FO		Yes		No		pt by finde rd purpose			ecify expec or finder (Po							
TYPE OF REWARD	Not given	T-shirt		Сар		Cash - amour	nt:		FORM COMPLE	ETED E	BY:					
	AG NUMBER (If ap								\tta	ch	th		tags		ere	

Type of tag	Rew	ard
Yellow tag, Orange tag or Green tag	- 10\$	or Cap or T-shirt
Internal archival tag	- 250\$	

Measuring

Estimated

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weiaht

Gilled &

autted

Other...

FISH WEIGHT

NO weight

FISH CATC	H INFORMAT	ION / Da		sition	when f	ish was	s caugl	nt by th	ne fishin	g ves	sel					
DATE	Exact		DD	MM	YY	E	stimated		From	DD	MM		to	DD	MM	YY
DOSITION	Exact		dd	mm.mmm	l N.	/S <b>E</b> :	stimated						ide and 2 of Ion g was likely rec	covered		E/W
POSITION	Lat	titude	ddd	mm.mmm		w eg	Max	dd o	mm.mmm	1	N/S	apn	ddd o	mm.n	nmm	E/W
	Lon	gitude	0	•	'	k Katitude	M is	0		,		Longitude	0		•	
	or DESCRIBE FISHING AREA:															
FISHERY IN	NFORMATION	l (Catche	er / Fishin	ıg vess	el that	caught	the tag	ged fi	sh)							
VESSEL NAM	E:						F	LAG:								
FISHING METHOD:	Longline		Purse seine	•	Trol	I		Hand	line			Gill	net Other:			
SCHOOL TYPE:	Log		Free school		Anc	hored FAI	D [	Driftin	ng FAD	FA	.D no:					
TRANSSHI	PMENT INFOR	RMATIO	N/ Carrier	only (i	f tags	found c	during s	set sha	re/trans							
NAME OF CARRIER:			FLAG:			F TRANS VESSEL			<b>и</b> [	DD	MM		to [	DD	MM	YY
LOCATION OF FROM FISHING CARRIER (EE)		ΙΤ			TRANSI POSITIO	HIPMENT ON:	Latitude	dd o	mm.mmm	1	N/S	Longitude	ddd	mm.n	nmm	E/W
FINDER INI	FORMATION /	finder o	details for	· lottery	,											
FINDER NAME	<u>.</u>					FINDER	ADDRES	S:								
PORT OF RECOVERY:							RY INFO		N RECEIVI name):	ED AT						
ALL TAGS PRO WITH THIS FO		Yes		No		pt by finde rd purpose			ecify expec or finder (Po							
TYPE OF REWARD	Not given	T-shirt		Сар		Cash - amour	nt:		FORM COMPLE	ETED E	BY:					
	AG NUMBER (If ap								\tta	ch	th		tags		ere	

Type of tag	Rew	ard
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Other...

FISH WEIGHT

NO weight

FISH CATC	H INFORMAT	ION / Da		sition	when f	ish was	s caugl	nt by th	ne fishin	g ves	sel					
DATE	Exact		DD	MM	YY	E	stimated		From	DD	MM		to	DD	MM	YY
DOSITION	Exact		dd	mm.mmm	l N.	/S <b>E</b> :	stimated						ide and 2 of Ion g was likely rec	covered		E/W
POSITION	Lat	titude	ddd	mm.mmm		w eg	Max	dd o	mm.mmm	1	N/S	apn	ddd o	mm.n	nmm	E/W
	Lon	gitude	0	•	'	k Katitude	M is	0		,		Longitude	0		•	
	or DESCRIBE FISHING AREA:															
FISHERY IN	NFORMATION	l (Catche	er / Fishin	ıg vess	el that	caught	the tag	ged fi	sh)							
VESSEL NAM	E:						F	LAG:								
FISHING METHOD:	Longline		Purse seine	•	Trol	I		Hand	line			Gill	net Other:			
SCHOOL TYPE:	Log		Free school		Anc	hored FAI	D [	Driftin	ng FAD	FA	.D no:					
TRANSSHI	PMENT INFOR	RMATIO	N/ Carrier	only (i	f tags	found c	during s	set sha	re/trans							
NAME OF CARRIER:			FLAG:			F TRANS VESSEL			<b>и</b> [	DD	MM		to [	DD	MM	YY
LOCATION OF FROM FISHING CARRIER (EE)		ΙΤ			TRANSI POSITIO	HIPMENT ON:	Latitude	dd o	mm.mmm	1	N/S	Longitude	ddd	mm.n	nmm	E/W
FINDER INI	FORMATION /	finder o	details for	· lottery	,											
FINDER NAME	<u>.</u>					FINDER	ADDRES	S:								
PORT OF RECOVERY:							RY INFO		N RECEIVI name):	ED AT						
ALL TAGS PRO WITH THIS FO		Yes		No		pt by finde rd purpose			ecify expec or finder (Po							
TYPE OF REWARD	Not given	T-shirt		Сар		Cash - amour	nt:		FORM COMPLE	ETED E	BY:					
	AG NUMBER (If ap								\tta	ch	th		tags		ere	

Type of tag	Rew	ard
Yellow tag, Orange tag or Green tag	- 10\$	or Cap or T-shirt
Internal archival tag	- 250\$	

Measuring

Estimated

HOW WEIGHED?

PROCESSED STATE

WHEN WEIGHED:

Whole

weiaht

Gilled &

autted

Other...

FISH WEIGHT

NO weight

FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel																
DATE	Exact		DD	MM	YY	E	stimated		From	DD	MM		to	DD	MM	YY
DOSITION	Exact		dd	mm.mmm	l N.	/S <b>E</b> :	stimated						ide and 2 of Ion g was likely rec	covered		E/W
POSITION	Lat	titude	ddd	mm.mmm		w eg	Max	dd o	mm.mmm	1	N/S	apn	ddd o	mm.n	nmm	E/W
	Lon	gitude	0	•	'	k Katitude	M is	0		,		Longitude	0		•	
	or DESCRIBE FI	SHING AR	EA:			ļ.							!			
FISHERY IN	NFORMATION	l (Catche	er / Fishin	ıg vess	el that	caught	the tag	ged fi	sh)							
VESSEL NAM	E:						F	LAG:								
FISHING METHOD:	Longline		Purse seine	•	Trol	I		Hand	line			Gill	net Other:			
SCHOOL TYPE:	Log		Free school		Anc	hored FAI	D [	Driftin	ng FAD	FA	.D no:					
TRANSSHI	PMENT INFOR	RMATIO	N/ Carrier	only (i	f tags	found c	during s	set sha	re/trans							
NAME OF CARRIER:			FLAG:			F TRANS VESSEL			<b>и</b> [	DD	MM		to [	DD	MM	YY
LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):  TRANSHIPMENT POSITION:  TRANSHIP					E/W											
FINDER INI	FORMATION /	finder o	details for	· lottery	,											
FINDER NAME	<u>.</u>					FINDER	ADDRES	S:								
PORT OF RECOVERY:							RY INFO		N RECEIVI name):	ED AT						
ALL TAGS PRO WITH THIS FO		Yes		No		pt by finde rd purpose			ecify expec or finder (Po							
TYPE OF REWARD	Not given	T-shirt		Сар		Cash - amour	nt:		FORM COMPLE	ETED E	BY:					
	AG NUMBER (If ap								\tta	ch	th		tags		ere	

Type of tag	Rew	ard
Yellow tag, Orange tag or Green tag	- 10\$	or Cap or T-shirt
Internal archival tag	- 250\$	

# SPC/FFA REGIONAL OBSERVER

# LONGLINE OBSERVER TRIP REPORT

OBSERVER NAME	OBSERVER PROGRAMME	OBSERVER TRIP ID NUMBER	VESSEL NAME
PORT OF DEPARTURE	DATE OF DEPARTURE	PORT OF ARRIVAL	DATE OF ARRIVAL



### 1.0 BACKGROUND

What were the objectives of the trip? How was the vessel chosen? Did you have enough time to prepare for the trip? Who was the placement officer (if none name the person who sent you for the trip)? Was a placement form filled in? Was there an introduction between the captain, the vessel owner and the observer? Was a safety check made at the start of the trip using the WCPFC Guidelines. If yest describe how was it done. Were you given assistance (placement officer, Captain etc) or did you carry out the safety check yourself. State if there were problems with boarding and placement procedures.

My trip report	

### 2.0 CRUISE SUMMARY

(see appendix 1)

Describe the departure, note down the name of the port along with the date and time of the departure. Describe outward transit arrangements with other vessels, if any. Include dates and times of transfers. Describe how long it took to get to the first fishing grounds.

Summarise:	the number of days at sea on each vessel (the transit vessel / catcher vessel); total number of fishing operations made by the vessel; and
Explain if an i	the number of fishing operations fully monitored by the observer. unusual number of fishing operations were not observed.
	average number of hooks set per fishing operation?
Describe any	extraordinary events – major breakdowns, serious injuries, rescues of others, etc.
<b>2.1</b> A	Area fished
	al description of the areas fished (e.g.: east of Outlook Atoll or south-east of Viti Levu) or a range ad longitudes (for example: between 19° and 12° N, and between 156° and 168° E).

# 2.2 End of trip Describe the return port, noting the date and time of arrival. Describe returning transit arrangements with other vessels, if any. Include dates and times of transfers. Describe how long it took to return to the port after fishing. Discuss any periods (and the reason why) that no fishing took place during the trip. If trip was incomplete (observer dropped off before vessel returned for complete unloading) explain why. Were you offered assistance from observer programme staff to disembark the vessel or other persons? 3.0 **DATA COLLECTED** The SPC/FFA Regional Longline Observer data collection forms were used during the trip. Complete the Workbook Reference Form in the workbook to show how many of each forms were used during the trip. If any type of regional standard forms were not filled in explain the reasons the data was not collected here.

### 3.1 Other data collected

Mention any other forms that were used and what data was collected on them.

4.0	CHAIN OF CUSTODY
duties: the CC	Describe the programme you were involved in, your role and mention how successful the trip was an of programme requirements were fulfilled.

# 5.0 VESSEL AND CREW DETAILS

# **5.1** General vessel information

If unable to get some vessel details, note the reason/s why here. Also, if extra information about vessel details was discovered record those details here. Note any further vessel characteristics that have not been recorded onto the LL-1 form – possible examples include: vessel agent/company; gross registered tonnage (GRT); length (overall/registered/between perpendiculars), storage capacity of the vessel (metric tonnes and/or cubic meters).
5.2 Crew nationality
If you were unable to fill in some of the crew nationality data fields note the reason why here. Also, if you found out some extra information about crew nationality record those details here. Did any crew leave or join the vessel during the trip? How experienced were the crew? How long have the crew worked on this vessel?

### **5.2.1** Training of Pacific Island Nationals

Provide full names of all Pacific Islander crew members (if any), and their previous seamanship experiences, training backgrounds, and future goals.

	Names:	Work Exp/ Future Goals.
1		
2		
3		
4		
5		
6		
7		
8		
Comments: -	-	

# **5.3** Electronics

If unable to fill in some of the electronic data fields explain the reason why here. Also record extra information about the electronics that may be useful (e.g.: it may be useful to describe the us of a piece of equipment that the Captain was using in a unique or special way.) Were the vessel electronic generally in good condition, or were they mostly old? Explain if there were any problems understanding the electronics data fields. Mention if there were any significant advances with any of the electronics or if there were any new types of electronics on board.
5.3.1 Radio buoys
Describe type of radio buoys used (call up/non-call up, GPS) and any special features of the radio buoys Explain if there is any aspect of radio buoys that is difficult to understand.

# 5.4 Fishing gear

Also record extra in use of a piece of equal was used on the vertical extra in the verti	quipment that the Captain ssel? Was it in a good mes with the fishing gear du	ng gear that may be us was using in a unique chanical order? Was i	ere. eful (e.g.: it may be usefu or special way.) What sor t mostly new or old gear? note if you didn't unders	t of fishing gear Were there any
5.4	.1 Mainline			
Explain here if you new and interesting use in a set (if ext obtained? What sor	were unable to get all ne information about the ma ra replacement line is ke	inline. Note the total le pt in storage, describe he mainline and what v	the mainline. Also explain the mainline that we this separately). How was its diameter and/or stream to understand.	vas available for are these values

## **5.4.2** Branchlines

If unable to fill in any branchline data fields note the reason why here. Is there any new and interesting information about the branchlines? Describe a complete branchline, including average length, diameter and strength and each type of material used to make up the branchline. Were wire traces included on a branchlines? How were the branchlines attached to the mainline? Draw a branchline, showing the lengths at the names of each of the pieces of the branchline. Did the average length of the branchlines change at any point during the trip? If any shark lines were used describe the make up and length of these lines: how they we attached to the mainline and the average number used during each set. Explain any aspects of branchlines information data collection that were difficult to understand.	or all nd int
5.4.3 Float lines	
Is there any interesting information about the float lines? Describe the average length and type of material us to make up the float line. Did the length of the float lines change during trip?	ed
5.4.4 Branchline weights	
Were there any branchline weights added to the end of the branchline. If so describe the type of branchline weight that was used (safe lead, lumo lead, weighted swivel or others).	ne

### 5.4.5 Fish hooks

Japanese tuna hoo? If different hook	te describing the types a bks used or did they use c types were mixed on the lawere used describe the h	circle hooks? Were the line describe the patt	ne circle hooks offset? ern of hook setting if po	Were J hooks used at all ossible.
5.	.5 Safety equipment.			
make any useful o available onboard. observer while on	some of the safety equip comments about safety e . Was it in good working board the vessel? Did the ts about safety equipment	equipment on board g g order and serviced r e observer have good	the host vessel. Descri regularly? Was any safe access to safety equipm	be all safety equipment ety briefing given to the ent when onboard?

# 5.6 Refrigeration method

Also use this area Discuss how the Did the storage	wasn't possible to ca to describe any nev catch was stored on method change a	w and interesting the vessel. Was	details about the some catch stor	e refrigeration ed differently	n methods onboar from other catch	rd. ?
refrigeration met	hods be useful?					
5.7 Ob	servations / oth	er gear / unu	sual use of	gear		
heading. Write n when compared comments on any Describe any fis	to continue on any otes on anything specto other boats. Write equipment that is not hing gear that is different make, model,	ecial observed ab te more about e ot working, not u ferent or new in	out this boat, is quipment use, sed or is used it comparison to	ts various equexpanding or n an unusual voother equipn	tipment, electronic the usage code way. nent you have se	cs, or crew, s and make

6.0	FISHING STRATEGY				
Describ informa etc.	ribe the fishing strategy employed by the conation from other vessels, directed by the b	captain, for exar boat owner, usin	nple, they fished	d where they last ter, echo sounder,	caught fish; information

# **6.1** Fishery information services

Report on the type or types of information that are being accessed by the vessel - e.g.: phytoplankton, sea surface temperature or sea-height and the types of equipment used to collect this information.  Note the name of websites that are being accessed. Was the information printed out and provided to the vessel prior to departure to sea? Give reasons if any of the relevant data fields on LL-1 could not be answered an note if aspects of these information services were not understood by the observer.
<b>6.2 Oceanic features</b> Did the presence of seamounts, trench current lines, or other natural features influence fishing strategy?
6.3 Setting and hauling information
Describe the general start of set time and its duration, also the general start of haul time and its duration Describe if there were any major problems encountered during setting or hauling. Note average number of hooks used in a basket and if this number changed significantly during the trip. Explai why, if it was not possible to fill any of the hook / basket, line setting speed data fields on the LL-2/3.

Vas the vessel targeting a explain how the distance be nots or meters per second losely to this rhythm? Exp	aing depths (depth of a deep or shallow depth votes were a regular beet blain if unable to fill any of the setting interval data	vith its line? Was a li ssessed? Was the line p emitted for branchling the setting interval or	e shooter speed clearly di ne attachment? Did the vessel speed data fields.	splayed i
ip? Mention if any	ng sequence "bait used" data fields export the bait used was live by as the same baiting sequence Describe any new interest	ait. Describe any ba	niting sequence that you nathe trip, or only some of	night hav the times

# **6.6** Mitigation Methods

Describe in detail any of the mitigation methods the vessel used. Mention if they used any of the following side setting with a bird curtain, night setting with reduced deck lighting, tori lines, weighted branchlines, by lyed bait, deep setting line shooter, underwater setting chute, management of offal discharge.) Mention werew were involved and what their role was. Pay attention to the exact location of any mitigation equipment its height relative to the handrail (above or below). Mention if the setting time was influenced by the migranethod.	olue- what and
6.6.1 Fish Offal Management Describe fully how the vessel managed it fish offal or fish waste (including any gills and guts from proce fish, discards and bait fish). Were there any specific procedures or times for when fish offal etc was throwerboard. If yes, describe what the procedures were. Mention if fish offal etc was thrown over at any luring the setting or hauling periods. State whether it was done during all set/haul periods or just for some hem.	own time
Describe fully how the vessel managed it fish offal or fish waste (including any gills and guts from procedish, discards and bait fish). Were there any specific procedures or times for when fish offal etc was throwerboard. If yes, describe what the procedures were. Mention if fish offal etc was thrown over at any luring the setting or hauling periods. State whether it was done during all set/haul periods or just for some	own time
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# 6.7 Hauling fish onboard.

	were hauled onboard, noting if any special equipment or techniques were used to help (e.g. ocution before landing; winches to lift large species).
tuna missile, electro	return before failtning, whiches to fire large species).
setting specification during the trip and t If the "unusual set explaining the "unu	s" data fields are for recording information on any deliberate or intentional changes to the start of the sets. Use this section to describe fully any unusual set details observed to expand on any comments made on the LL-2/3 form. details" was very different for an individual set note the start of set date and time before stual set details" each of these sets. "unusual set details" that are difficult to understand. (More space at back if required.)

# 6.9 Changes between sets

escribe any changes to the gear between sets (e.g.: extra radio buoys added for certain sets).  B.: this is different to unusual set details which describes changes during the set.				

## 7.0 ENVIRONMENTAL CONDITIONS

## 7.1 Weather

Was it windy, ra	eather in general during ainy, cloudy, fine? Ving was not possible at	Vhat direction d	id the wind mostly	y come from and ho	w strong; etc.
Describe the us	ea conditions.  ual sea conditions for a ladirection and size of the conditions are conditions.	most of the trip f the swell; sea	or during notable a surface tempera	parts of the trip. ture (if available);	current direction and

7.3 Moon phase	
Describe the moon phase during the trip. Was fishing during the full moon, new moon, or other.	
Did the moon phase have any effect on the amount or the type of species caught by the vessel?	
8.0 CATCH DETAILS	
8.1 Target catch details  What was the target species for the vessel during the trip? Was there more than one target species (turn swordfish, sharks) for any, or all, of the sets. Did target species change from set to set or at any point during the trip?	
Describe catch of target species in detail (see appendix 2)  State the common name followed by the scientific name and FAO code in brackets for each of the target species and the scientific name and FAO code in brackets for each of the target species and the scientific name and FAO code in brackets for each of the target species and the scientific name and FAO code in brackets for each of the target species and the scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in brackets for each of the target species are scientific name and FAO code in	
landed (e.g.: bigeye tuna ( <i>Thunnus obesus</i> , BET)). Describe the total number taken and their general conditions when landed.	10

8.1.1 Tar	get catch processi	ing and storage		
Describe exactly how the tardestroyed) and/or bled; did preserved?	get catch were proce the vessel appear to	essed and stored: votake care with p	vere they spiked, 'tan rocessing; how and v	iguchi-ed' (spinal chor where were they stored

8.1.2 Target catch discards	
Were any target catch species discarded? What was the reason for discarding these fish? State the number of target species discarded under each fate category.	tota
8.1.3 Target catch damage	
Were any of the target catch species damaged by whales, sharks, cookie cutter sharks, squid, the fishing genny other species. Give the number of target catch that were damaged for each category. Describe fully the of damage you saw and give the reason why you credited each type of damage to either whales, sharks, so the vessel or any other category.	typ

8.2 By-catch details (see appendix 2)
8.2.1 Other (non-target) tuna and billfish
Describe catch of other tuna and billfish. List common name followed by scientific name and FAO code in brackets for each species hooked (e.g. striped marlin ( <i>Tetrapturus audax</i> , MLS).  Describe the numbers dead or alive on landing and the numbers that were shark or whale damaged or some other sort of damage. Did many or any escape before landing?  Describe how many were discarded or retained and how they were processed, depending on condition.
8.2.2 Sharks and rays
For each shark or ray species hooked, list the common name followed in brackets by the scientific name and FAO code (e.g.: silky shark ( <i>Carcharhinus falciform</i> , FAL)). Describe the number of each landed, general condition when landed (i.e. mostly dead or alive), whether they were retained or discarded, if any escaped, it any were damaged and how, and how processed (especially if unusual processing techniques are used for some species). Especially note if sharks were being targeted with use of special shark hooks. Did the vessel use electronic stunner to kill the hooked catch? Report all details with regards to landed OCS or FAL sharks in section 8.4.

8.2.3 Other by-catch species
For each 'other by-catch species' hooked, list the common name followed, in brackets, by the scientific name and FAO code (e.g.: mahimahi ( <i>Coryphaena hippurus</i> , DOL)). For each species describe the number landed, the general condition (i.e. mostly dead or alive) and whether they were discarded or kept (retained) on board. Did many or any escape; was it especially noticeable that those landed were damaged in any way; if retained how were they processed?
8.3 Unspecified species/local names/group species codes
If a correct FAO species code cannot easily and accurately be given to a species use a local name, a group species code, or the code "UNS" (unspecified) on the forms and fully describe the species here. Try to draw the unknown or uncertain species in the observer diary, photograph it or bring back a sample (or a combination of these). Then, back on shore, work with the debriefer to try to find a correct code.

8.4 Species of special interest (see the codes page for a list of all species of special interest)
8.4.1 Species of special interest – landed.
Write a brief and accurate description of <u>every</u> single species of special interest landed on deck. Summarise the interaction/treatment/release. State the code/name/scientific name (TUG/green turtle/Chelonia mydas) for each landed species. Did you notice the SSI before the set was made? Were there any problems identifying the different species? Give a <u>full</u> description for each landed species, and its condition when landed. Note the treatment it received onboard and its condition when discarded or released. Do you, in your opinion, need further training for SSI identification and training in the latest accepted methods of handling these species?
Pay particular attention to any Oceanic White Tip Sharks (OCS) or Silky Sharks (FAL).

### **8.4.2** Species of special interest – interactions.

State the code/name/scientific name for any SSI that interacted with the vessel (e.g.: SSI were sighted swimming around the outer edge of the net; SSI were caught inside the seiners' net but were not landed; etc). Was it possible to identify these species properly? If you have any doubts about the identification give a <u>full</u>

notes can be written under paragraph 13.0 Vessel Trip Monitoring. Pay particular attention to any Oceanic White Tip Sharks (OCS) or Silky Sharks (FAL). 8.4.3 Species of special interest – interactions with toothed whales and dolphins (cetacean predation) Did the vessel have problems with toothed whales and dolphins during the trip? Did you see any whale damaged fish? If so during how many sets? Was there any mention of dolphins taking bait from the hooks? Did the vessel steam to new fishing grounds to get away from whales on any occasion? How many times did that occur, if any? Did the Captain have any techniques for avoiding whales and dolphins?

description of the id features Report if the species was harmed in anyway during the interaction? Did the vessel make any attempt to assist any of these creatures to escape? Were the WCPFC handling guidelines for whale shark followed correctly. Pay particular attention to reporting on any oceanic white-tip sharks (OCS) or whale sharks (RHN). Were the WCPFC handling guidelines for whale sharks followed properly by the vessel? More

8.4.4	Species of special interest – sightings
dentify the s How far away	any species of special interest from the vessel. What species did you see? How hard was it to pecies. Are you confident in your identification? What identification features did you notice? were the species from the vessel. Was there more than one sighting. Could you tell if there were ves together?
9.0 TRA	NS-SHIPPMENT / TRANSFER OF CATCH
ransfer catch shipment of c	ent of catch at sea is illegal. However, some countries do allow specific longline vessels to within their EEZ under specific national laws and with certain requirements. If any transcatch happened during the trip mention it here. Mention the total amount (in numbers) for each Mention the name of the receiving vessel.

10.0 OTHER PROJECTS
10.1 Tags
Describe details if any tagged species were tagged and the condition of the tagged fish. What type of tag, conventional/dart, pop-up satellite (PSATs) or regular archival tag. Were any tagged fish found? Record tag number, species, GPS position/location, length and measured weight.

### 10.2 Stomach sampling

Briefly describe and comment on the sampling you carried out during your trip. Was is easy to carry out the sampling, note any problems you faced and any suggestions you have to improve the sampling. Mention how/ when and to who the samples and the data forms were handed to after your trip.

Use a new number	er and heading for ea	ich project (e.g. 10	0.3.1 Something	??? sampling) (n	nore space at end of
this report if need	ed).				
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### 11.0 VESSEL TRIP MONITORING

Describe any problems, suspected infringements, alleged illegal activities encountered in monitoring the vessel. Note this may vary depending on whether the vessel is multilateral licensed vessels under a regional agreement (such as the US Treaty or the Federated States of Micronesian Arrangement) or whether it is bilaterally licensed in a member countries waters. If any infringement is suspected, collect as much evidence as possible, providing it can be collected/recorded without undue risk. Evidence could include photos, original documents, copies of documents, etc. You are under no obligation to let the Captain know these observations have been made, however if you do wish to discuss the matter with the captain make sure that your safety will not be jeopardy. If the violation is considered to be deliberate, it is advisable to say nothing; if possible without putting yourself in danger record what you can in your diary or other notebook and then give a detailed report on what was seen when back in port. If it seems that a misunderstanding led to the alleged infringement and you feel talking to the captain about the alleged infringement will be helpful and safe, then discuss the matter and note the response and, as soon as possible, write up the conversation in the observer diary. (This is only recommended in the case of minor infringements)

Most infringements whether accidental or deliberate are still infringements and will be dealt with in the same manner. The observer on board is in the best position to judge the mood and personality of the captain and crew. Whatever occurs, write a full report and record as much information on the incident as possible, both here and in the observer diary. Include the full name of people involved, positions, times and dates. Also note the relevant diary page numbers here. As a quick indicator whether a vessel has committed or not committed an alleged infringement make sure the GEN-3 Form is filled out properly for the trip. If an infringement is noted

on GEN-3 use this area to describe in detail the alleged infringement under the relevant titles, if more area is required record it at the end of this report. Ensure you indicate the particular reference areas on Form Gen-3

NEW FOR 2014: WE HAVE REMOVED THE SECTION TITLES TO SAVE SPACE.

IT IS STILL VERY IMPORTANT THAT YOU MAKE A FULL CLEAR REPORT ON ALL INFRINGEMENTS, AS INDICATED BY THE GEN-3 FORM. ENSURE THERE IS A FULL REPORT FOR ANY BOX TICKED YES ON THE GEN-3 FORM.

START ALL INFRINGEMENT REPORTS BY RE-WRITING THE INFINGEMENT REFERENCE NUMBER FROM THE GEN-3 FORM, THE DATES IT OCCURRED AND YOUR JOURNAL PAGE NUMBER WHERE THE INCIDENT IS REPORTED.

**EXAMPLE:** "SS-a) Fail to monitor international safety frequencies:  $20^{th}$ ,  $21^{st}$ ,  $22^{nd}$  March,  $6^{th}$ ,  $9^{th}$ ,  $10^{th}$  April. Journal pages 15, 16, 17, 25, 26 and 27".

- START EACH INFRINGEMENT REPORT WITH THE FULL GEN-3 REFERENCE; THE DATES IT
OCCURRED, AND YOUR JOURNAL PAGE NUMBER -

START EACH INFRINGEMENT REPORT WITH THE FULL GEN-3 REFERENCE; THE DATES IT OCCURRED, AND YOUR JOURNAL PAGE NUMBER

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### 12.0 VESSEL'S OWN DATA COLLECTION:

logsheet / logbook. If not what kind of logsh	data collected and recorded by the vessel. Does the vessel use the regional neet are they using? Who is primarily responsible for recording the data and on shore, other) and on what paper or book is the data written on.
A second paragraph should detail the type of weights, weighted processed weights, eye-es where this differs from the data that you collect	data that is being collected and how it is being estimated (weighted green- timates of green-weights, eye-estimates of processed weights, etc). Stresset.

### 13.0 GENERAL

General information picked up casually during the trip that may be used to understand development of the fishery or for improving observer life on board. Examples of possible headings are:

11.1 11.2 11.3 11.4 11.5 11.6	Recommendations for observers (special problems or needs of observers on this or similar boats)  Crew information (perhaps covering salaries, general experience and background)  Medical and Hygiene issues (medical problems encountered by observer/crew)  Photos (for any photos taken during the trip list the frame number and subject of the photo)					

4.0	PROBLEMS ENCOUNTERED
	any problems not reported elsewhere in this report regarding: the vessel captain; crew; information and data ng; etc. If you have possible solutions to the problems reported, provide suggestions on how these problems migled.
	14.1 Form change recommendations
o any ote ar	14.1 Form change recommendations  mend possible changes or areas that need better explanation, if any. data fields seem not to make sense or could the instructions and these guidelines be improved?  my problems and make suggestions on how to improve these areas.  Il help in future reviews of the forms (normally every two years).
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o any	mend possible changes or areas that need better explanation, if any. data fields seem not to make sense or could the instructions and these guidelines be improved?  ny problems and make suggestions on how to improve these areas.

### 15.0 CONCLUSIONS / RECOMMENDATIONS

16.0 ACKNOWLEDGMENTS  Provide acknowledgments to people, companies or organisations who helped organise or offered support during the e.g.: fishing companies, outside observer coordinators, radio operators, vessel captain and crew, etc.)	
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# Extra Space If Required.



Notes for observers on filling out tables.

Appendices with report summaries from the Regional observer database can be attached to this observer report once the data has been entered. If it will be awhile before observer data can be keyed into an observer database, the observer must prepare summary tables from which to obtain information to help write their report.

### For Appendix 1.

For the "<u>Trip summary table</u>" the number of observer days is the days observer is actually on vessel. Include the day getting on the vessel as one day, even if it was in the evening.

Similarly, include the day getting off the vessel even if it was in early morning.

The rest of the information can be worked out from the "Set summary table".

Use the "Set summary table" to write down the figures that are found on each of the Form LL-2s.

Add the numbers to get total on the second from bottom line and then divide the total by the number of sets to get the average on the bottom line.

The number of "Hours to set" and the number of "Hours to haul" will have to be calculated from start and end times on each Form LL-2 and Form LL-3.

Record hours to one decimal place, so for example: 1 hour and 20 minutes would be recorded as 1.3 hours; 2 hours 34 minutes recorded as 2.6 hours; and 10 hours 5 minutes would be recorded as 10.1 hours.

The remaining data can be recorded directly from the Form LL-2s.

### For Appendix 2.

Use the worksheets to add up information from all Form LL-4s.

The easiest way to use these is to keep adding to it every day, instead of trying to do it at end of trip. Keeping the worksheets updated on a daily basis should make it easier.

Appendix 2. tables have separate columns for each of the common fate codes in each species group. Other columns are left blank for the observer to enter in any other fate code used.

The tables are designed to have the most important information to the left, but when filling in the tables the observers will find it easier to calculate for the columns towards the right first then calculate back to get numbers discarded, retained and total caught for each species.

Add up the number of each fish measured (most of them hopefully) to fill in the "No. of lengths" column.

At the end of the trip the worksheets will not be part of the report but should be handed in with all your other data nevertheless. However, the appendices will be part of your report and information from them used to help you write sections in the report .... particularly the "Trip Summary" and "Catch" sections.

Appendix 1. – Trip and Set Summaries

## Trip summary table

	Minimum Maximum Average
No. of observer days:	No. of hooks per set:
	Hooks per basket:
No. of sets:	Distance between branchlines:
	Length of floatlines:
Average time	Vessel setting speed:
for setting:	Line setting speed:
for hauling:	Branchline set interval:

**Set summary table** (time = hrs to one decimal place; distance in meters)

	Set sun	nmary ta				mal place	; distance	e in metei	s)
Set No.	Hours to set	Hours to haul	Total hooks	brance.	floaumen Distance between	Length of	Vessel setting	intervented in the speed	Branch-line set
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
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17									
18									
19									
20									
To									
Avera	ge								

<u>Optional</u>	1.1								(fate code)					(fate code)	(fate code)
Гuna						RGG	RWW	RHG		DUS	DSD	DWD	DGD		
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	(fate)	Discarded uneconomic species	Discarded shark damaged	Discarded whale damaged	Discarded gear damaged	(fate)	(fate)
YFT															
BET															
ALB															
SKJ															
Total:															
			•				•		(fate code)	•		•		(fate code)	(fate code)
Billfish						RGG	<u>RPT</u>	RHG		DUS	DSD	DWD	DGD		
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained partial (eg: fillet, loin, trunk)	Retained headed and gutted	(fate)	Discarded uneconom- ic species	Discarded shark damaged	Discarded whale damaged	Discarded gear damaged	(fate)	(fate)
swo															
MLS															
BLZ															
BLM															
SFA															
SSP															
Total:															
Sharks		RFR	DFR	DUS	DTS	(fate code)				RFR	DFR	DUS	DTS	(fate code)	
Species	Total caught	Retained both fins and trunk	Discarded trunk but fins kept	Discarded uneconom- ic species	Discarded too small	(fate)	No. of lengths	Species	Total caught	Retained both fins and trunk	Discarded trunk but fins kept	Discarded uneconom- ic species	Discarded too small	(fate)	No. of lengths
BSH															
OCS															
FAL															

Total:

Other s	pecies					RGG	RWW	RHG	RCC	tiate code)	DUS	tiate code)	,	,	,	,
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	Retained crew con- sumption	(fate)	Discarded uneconom- ic species	(fate)	(fate)	(fate)	(fate)	(fate)
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Total:																

(fate code)

Other sp	pecies					RGG	RWW	RHG	RCC	<u>(iale code)</u>	DUS	(late code)	(late code)	(iate code)	(late code)	<u>(iate code)</u>
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	Retained crew con- sumption	(fate)	Discarded uneconom- ic species	(fate)	(fate)	(fate)	(fate)	(fate)
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Total:																

(fate code)

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Other sp	pecies					RGG	RWW	RHG	RCC	<u>(iale code)</u>	DUS	(late code)	(late code)	(iate code)	(late code)	<u>(iate code)</u>
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	Retained crew con- sumption	(fate)	Discarded uneconom- ic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total																
Total:																

(fate code)

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Species	No. RGG	No. RWW	No. RHG	No.	No.	No. D <u>SD</u>	No. DSD	No. DWD	No.	No.	No. lengths

Species	No. RGG	No. RWW	No. RHG	No.	No.	No. D <u>SD</u>	No. DSD	No. DWD	No.	No.	No. lengths

Species	No. RGG	No. RWW	No. RHG	No.	No.	No. D <u>SD</u>	No. DSD	No. DWD	No.	No.	No. lengths

Species	No. RGG	No. RWW	No. RHG	No.	No.	No. D <u>SD</u>	No. DSD	No. DWD	No.	No.	No. lengths

		OBSERVERS' GUIDE TO BEAUFORT SCALE, WIND AND SEASTATE (are	ough guide for the	open se a)	
Beaufort number	Descriptive term	Open sea criterion	Mean wind speed (kts)	Likely wave height (m)	Observers' sea state code
0	Calm	Sea like a mirror	less than 1		C (calm)
1	Light air	Ripples with the appearance of scales are formed but without foam crests	1-3	0.1	
2	Light breeze	Small wavelets, still short but more pronounced; crests have a glassy appearance and do not break	4-6	0.2	S (slight)
3	Gentle breeze	Large wavelets; crests begin to break; foam of glassy appearance; perhaps scattered white horses	7-10	0.6	
4	Moderate breeze	Small waves, becoming longer; fairly frequent white horses	11-16	1	M (moderate)
5	Fresh breeze	Moderate waves, taking a more pronounced long form; many white horses are formed (chance of some spray)	17-21	2	
6	Strong breeze	Large waves begin to form; the white foam crests are more extensive everywhere (probably some spray)	22-27	3	R (rough)
7	Near gale	Sea heaps up and white foam from breaking waves begins to be blown in streaks along the direction of the wind	28-33	4	
8	Gale	Moderately high waves of greater length; edges of crests begin to break into spindthrift; the foam is blown in well marked streaks along the direction of the wind	34-40	5.5	V (very rough)
9	Strong gale	High seas; crests begin to topple and tumble; spray	41-47	7	
10	Storm	Very high waves; surface of sea white; visibility affected	48-55	9	
11	Violent storm	Exceptionally high waves (hiding small to medium ships)	56-63	11.5	Time to be concerned! Our condolences!
12	Hurricane	Air filled with foam and driving spray; visibility minimal	more than 64	14	