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. 2016"
1.	One of these Observer Workbooks for every 15 days at sea	
2.	Sufficient Catch Monitoring Forms LL-4's for the trip (30 sheets per pad)	
3.	Extra pads of LL-2/3 as required (30 sheets per pad)	
4.	Sufficient Observer Journals (normally 30 pages per Journal)	
5.	Two blank notebooks (preferably waterproof)	
6.	One box of pens and pencils (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.		
12.		
13.		
14.		
15.		

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



OBSERVER PROGRAMME 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's 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 away 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 journal 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 printed. 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 <u>???</u> (whatever it is). See journal page No. <u>??</u>" 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).

* <u>understanding observer trip id numbers</u>

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 DEC. 2016

TRIP DETAILS

			_		
OBSERVER NAME	TRIP START LOCA	TRIP START LOCATION		TRIP START DATE (YY/ MM/DD)	
OBSERVER TRIP ID NUMBER		ESTIM ATED TRIP	PEND LOCATION	VESSEL GEAR	
VESSEL NAME		FLAG	CALIPER SERIAL NUMBER	UVI and / or IRCS	
VESSEL SIZE: circle to indicate	< 16 metres	16-25 meters	26-39 meters	40-65 meters	> 65 meters
Personal Lifesaving Beacon (PLB) Y/N	PLB Make:		Comments		
	PLB Model:				

OBSERVER PLACEMENT CHECKLIST

A Fisheries Authority Representative/Placement Officer is to assist the observer, before and during boarding, and oversee that information is recorded and actions taken as prescribed in this form. Please intial the space at the left of each numbered item to show it has been completed.

	Initial :	Completed. 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 (check-list) of standard observer duties and vessel obligations
6		Ensured that both parties are informed of their rights and responsibilities under CMM 2008-01 (Show and, if necessary, supply copy)
7		Reminded the observer that there is no obligation to do extra duties, but it is very much appreciated if they can help out when appropriate.
8		Reminded the Captain and Observer of importance of cooperation
9		Supplied or informed the Captain of the "Vessel on Observer Report" form
10		Informed the Captain and Observer than an observer-debriefing meeting will take place immediately upon return to port at completion of trip
11		Ensured observer's compulsory 2-way communication device is tested and working.
	Initial :	Observer to initial when they have:
12		Clearly described any special sampling requirements to the Vessel Captain
13		Has been present at the Vessel Safety Check and have agreed to board the vessel
14		Confirmed that they are medically fit, informed the Captain of any special medical issues (prescription medication etc); and supplied contact details for their next-of-kin
15		Understood that they must report all gifts in their trip report.
16		Understood that in line with their Observer Code of Conduct they should not drink alcohol at any point during the entire trip.
17		Ensured observer's compulsory 2-way communication device is tested and working.
	Initial :	Vessel Captain to initial when they have:
18		Read and understood the "Obligations of the Vessel Operators to Observers"
19		Shown the observer all current and valid license certificates
20		Shown the observer the location of their life jacket
21		Informed the observer of all safety regulations, procedures and muster stations
22		Shown the observer which electronic bridge equipment is used and which is not used
23		Shown the observer how to obtain position and UTC time and date from the onboard GPS and plotter to which they have access to during the trip
24		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
25		Ensured observer's compulsory 2-way communication device is tested and working.

Rev. DEC 2016 Notes for the VESSEL CAPTAIN on the OBSERVER PLACEMENT

An observer's primary function is to collect reliable and accurate information for scientific, management and compliance purposes. Observers collect data on; catch and effort, size composition, position, fishing methods, fisheries interactions, environmental impacts, processing and destination of the fish (including discards) and any other matters that may assist fisheries managers verify information for the purpose of administering fisheries regulations, license requirements and access agreements. The observer duties and their obligations, along with the vessel operator's obligations to the observer are described below. A thorough understanding of these by both the observer and the vessel operator will help ensure an effective working arrangement while on board.

→ Vessel Captain please read and initial on the right when the obligations of both parties are understood Capt. Initals

	Vessel Captain please read and initial on the right when the obligations of both parties are understood Ca	pt. Initals
	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)	1
2	May take, measure and retain samples or specimens of any fish	2
3	May observe and record details of any incidental take, including the recording of set position information	3
4	May record position, activity and identification details of other vessels sighted	4
5	May use communications and other equipment of the vessel but should get permission from the Captain before using it	5
6	Should not be involved in the fishing operations but may assist in normal vessel housekeeping duties	6
7	Should not stand watch on the vessel	7
8	May take photographs of the fishing operations, including fish, gear, equipment, documents, charts and records, and remove from the vessel such photographs or film as was taken or used onboard	8
9	Observers should not drink alcohol at any point during the trip in accordance with Observer Code of Conduct.	9
10	Observer must sign for and report any gifts they have received from the vessel during the trip.	10
	OBLIGATIONS OF THE VESSEL OPERATORS TO THE OBSERVER (CMM 2008-01)	
11	Ensure vessel personnel do not assault, obstruct, resist, refuse boarding to, delay, intimidate or interfere with an observer performing observer duties	11
12	Allow access to the bridge, communications and navigation equipment	12
13	Instruct observer on use of vessel communications equipment to receive and transmit message with the shore, Fishery Authority and other vessels	13
14	Assist observer as requested, in recording accurate vessel position using vessel navigation and positioning equipment	14
15	Provide access to areas where fish are held, processed, weighed or stored	15
16	Allow observer access to document and records, including all logbook for purpose of inspection and copying	16
17	Allow observer to remove samples	17
18	Ensure vessel personal do not assault, obstruct, resist, refuse boarding to, delay, intimidate or interfere with an observer performing observer duties	18
19	Show the charge appropriate young active procedures and location of prices active acquirment (life rates	19
20	Advise the observer of dangerous work areas and instruct the observer on how to minimise exposure (e.g.	20
21	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.	21
22	Provide appropriate space for the storage of observer equipment, supplies and samples	22
23	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	23
	Inform vessel Captain of where he can get a copy of the Vessel Report on the Observer	

SPC/FFA REGIONAL OBSERVER FORM SUP-1 (pg2) OBSERVER PLACEMENT MEETING RECORD

PEV	DEC. 2016	AOLINEI III		<u> </u>	
	BEC. 2010 ERVER NAME	VESSELNAME			OBSERVER TRIP ID NUMBER
	V	ESSEL SAFETY		K LE ONE	COMMENTS
1	VESSEL SURVEY DOCUMENTATION (Curre	ent)	Yes	No	COMMITTEE
2	CORRECT SIZE PERSONAL FLOATATION DEVICE		Yes	No	
3	APPROVED LIFERAFT OR LIFEBOATS UNDER CU AND ADEQUATE FOR NUMBER OF CREW		Yes	No	
4	EPIRBS (Current Survey)		Yes	No	
5	DISTRESS SIGNALS AND FLARES		Yes	No	
6	FIRE FIGHTING EQUIPMENT IN GOOD ORE	DER	Yes	No	
7	FIRE EXTINGUISHERS (Current Checked)		Yes	No	
8	MARINE RADIO HF SSB or SUBITUTE COMMUNICATION	ATIONS	Yes	No	
9	NAVIGATION LIGHTS / VESSEL LIGHTS (Wo	orking Order)	Yes	No	
10	SOUND PRODUCING DEVICES OR BELL		Yes	No	
11	REGISTRATION DOCUMENTATION IN ORD	ER	Yes	No	
12	OTHER WORK RELATED VESSELS ON BO COULD BE UTILISED IN CASE OF EMERGE		Yes	No	
13	NAUTICAL CHARTS AND NAVIGATION AIDS (GP	S/RADAR)	Yes	No	
14	FIRST AID EQUIPMENT		Yes	No	
15	SANITATION		Yes	No	
16	PHONE		Yes	No	
	EMAIL / FAX		Yes	No	
18	INSURANCE FOR OBSERVER WHILST ON	BOARD	Yes	No	
19	VESSEL INSURANCE		Yes	No	
20	ROOM FOR CREW AND OBSERVER TO WO	RK SAFELY	Yes	No	
	o: record the reasons here and continue on to another KNOWLEDGED (Observer Placement Meeting)			and back read	d/ initaled/ accepted)
	OBSERVER NAME		SIGNAT	URE	DATE
VES	SEL CAPTAINNAME		SIGNAT	URE	DATE
FIS	HING MASTER (if any)				
RE	NAME FISHING AUTHORITY EPRESENTATIVE		SIGNAT	URE	DATE
	NAME TERPRETER		SIGNAT	URE	DATE
ilN	(if any)		0.0		
RE	NAME / POSITION FISHING AUTHORITY EPRESENTATIVE		SIGNAT	UKE	DATE
	POSITION		SIGNATUR	RE	DATE

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 and 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 signalling 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 FORM** for longline REV DEC 2016 TRIP DETAILS TRIP START LOCATION OBSERVER NAME 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 (Vessel Interactions) GEN-2 Supp Species of Special Interest (Sightings) 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 (RECORD TOTAL NUMBER OF PAGES) Journal RPT Trip Report Submitted Yes or No *** Observers are not required to fill in the shaded areas below*** **DEBRIEFING DETAILS** (Debriefer) NAME of PRE-DEBRIEFER NAME OF DEBRIEFER DATE of PRE-DEBRIEFING DATE OF DEBRIEFING PLACE of PRE-DEBRIEFING PLACE OF DEBRIEFING WORKBOOK TRANSFER WAS THIS COPY DEBRIEFED BEFORE TRANSFER? YES or NO

DATE TRANSFERRED

Changes to the LongLine Observer forms agreed AT THE 10TH Tuna Fishery Data Collection Committee (DCC) Dec 2016¹

OBSERVER	SPC/FFA REGIONAL LONGLINE OBSERVER	FORM LL-1
PROGRAMME:	GENERAL INFORMATION	(pg1)

Date of revision

The date of revision of the form was changed to Dec 2016.

Modified data fields

GT or GRT: Observers are asked to record the **Gross Tonnage (GT)** of the vessel. This information can be found on the vessel paperwork / licensing document. **GT** is the current international standard for vessel volume and should be available for most purse-seine vessels at this stage. However, some older vessels may have been assigned a **Gross Register Tonnage (GRT)** when built. Observers are asked to record GT for vessels, unless they can only find GRT on the paperwork. In this case circle GRT and record the value. GT and GRT are both units of vessel volume, but they are calculated differently.

Under Communication and Information Services:

'Empty Data Field': Previously there was an empty data field beside the satellite weather monitor data field. Some observers found it annoying and wondered if something should be filled in. The answer was no – nothing needed to be filled. To resolve the problem the empty data field has been absorbed into the mobile/cell phone cell data field.

- Clarifying that a **mobile phone** is also a **cell phone** was requested by the US territories and most especially for the US fleets. The data field was modified.
- Other the second line for information services started with the word 'Other'. It was suggested that the word 'websites' was more appropriate and was edited to reflect this. Observers are encouraged to write the address of the website supplying the fishery information service and the indication www (world wide web) has been added to reflect this.

Under Life-rafts

- No. for number has been added into the 'Number of People' data field.
- YY/MM (L/D) has been added to the text box for year-month-date of last inspection (L) or inspection due date (D).

New codes

Usage Codes: OTH – other please specify. Observers have questioned the most appropriate 'usage code' when they have to record the usage of 'buoys' (GPS and echo sounding buoys) during the FAD closure period. They suggested that none of the 2014 usage codes were appropriate to indicate that the buoys were not used during the FAD closure period, but that they are used at most other times. The decision was made to add a new code 'OTH – other please specific' to cover for this.

New data fields

Strategic Waste Disposal Y / N?

¹ 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 and provide graphics.

Circle Y for yes to indicate if the vessel has special procedures for dealing with fish offal (fish bits and bait). Normally this will mean not throwing it overboard during setting (or hauling). More importantly it means only throwing it out on the opposite side of the vessel to the side where the mainline/branchlines location during setting/hauling.

SPC/FFA REGIONAL LONGLINE OBSERVER FORM LL-1 GENERAL INFORMATION (pg2)

No modifications were made to this form.

Instruction change

On the back of this form there are the instructions for **EPIRBs** observer are instructed that there is no need to record information on EPIRBs that are hard to access, most especially inside life-rafts.

New instructions for strategic offal disposal were added.

SPC/FFA REGIONAL LONGLINE OBSERVER - SET and HAUL INFORMATION

FORM LL-2/3

Date of revision

The date of revision of the form was changed to Dec 2016.

Modified data fields

Line setting speed m/s only Observers can now 'only record' the line setting speed in meters per second. The line setting speed cannot be recorded in units of knots. In any case, it is possible to get the speed in meters per second from knots by dividing the speed in knots by 2.

Target Species – Sharks have been removed as a target species, noting that the majority of Pacific Island countries do not licence vessels to target sharks any more. Observers can record a target species 'Other – please specify'. If you do want to specify a different type of target species please record this in the comment area of the form.

Tori Lines – Total Number - Tori lines are lines, often with small flags or plastic strips attached to scare birds away. Tori lines are attached to tori poles. Record the total number of tori lines that were used during setting. Previously observers were asked to state if tori poles were used. Now the observer must count the total number of tori lines. The number of tori poles are not required. If there are <u>no tori lines</u> mark zero.

New data fields

If yes, was it discharged from the opposite side of setting or hauling? This new question follows on from the previous data field. If you have indicated that offal was discharged during setting or hauling, we need you to further indicate the location it was discarded from; and more especially if it was thrown overboard at any time during setting or hauling was it specifically thrown overboard on the opposite side to the mainline.

Light sticks – Hook Numbers – Record the hook number pattern (within a basket) for any light sticks that were attached to the branchlines.

Hook Changes this set – If the hook type or size were deliberately changed for this set record this change by describing it under the 'unusual set details box'. Use your terminal gear guide to help you

identify different types of hooks. There is no need to record any hooks of the same type and size that were added to replace lost hooks. The questions refer to *deliberate change* the type of hook or the size.

Instruction change

The instructions were updated for new data fields.

SPC/FFA REGIONAL LONGLINE OBSERVER CATCH MONITORING

FORM LL-4

New data fields

Calibrate Observers are asked to state if they have calibrated their measuring instrument (calliper) before ever set. Circle 'Y' to say that the calliper has been calibrated.

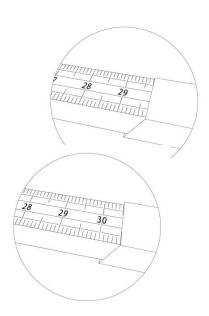
Callipers should be calibrated by 1) marking a known length on the deck and checking the calliper to see if it records the same length. 2) measuring a specific length of a deck tape (see the drawing below).



mm: Record any calibration error for the calliper. See the instruction below on how to record the calibration.

IF THE CORRECT CALLIPER READING IS 30 CM.

And then if the <u>calliper correctly shows 30 cm</u>, then the calibration should be recorded as zero millimetres.



The true length is 30 cm. The calliper is incorrectly reading 29.7 cm. The callibration should be recorded as minus 3 mms.

The true length is 30 cm. The calliper is incorrectly reading 30.5 cm. The callibration should be recorded as plus 5 mms.

Gear Interaction Code

Observers are asked to record one of the new 'gear interaction codes' for any species of special interest that interact with the primary gear. The primary gear is the mainline or any branchline/hook attached to the mainline. If any SSIs get tangled up in the line, or get hooked, use the new codes to record this. It does not matter if these SSIs are landed on-board or not, all SSI interacting with the gear should be given a code. Use the new codes on the back of the form to explain how the SSI has interacted with the gear. These new codes are also shown here below. There is no need to record anything in this data field for non-SSIs species. Just dash the data field.

GEAR INTERACTION CODES

IEN - Entangled (in gear)

IJO - Jumped out (net closed)

ICR - Crew released from net

IBR - Broke through net

IHE - Hooked internally (mouth)

IDJ - Hooked in jaw (circle hook)

IHD - Hooked deeply - throat or stomach

IHU - Hooked unknown

OTH - Other, please specify

Please note that some of these gear interaction codes are only appropriate for purse-seine vessels.

Deleted data fields

The **weight data fields** have been removed. In the vast majority of cases there are no weighing scales on board longline vessels and observers do not collect weight data. If a weighing scale is on-board observers can use the GEN-4 form to record species lengths.

Modified fate codes

DSO - Discarded stuck off:

Previously this fate code was noted as 'discarded struck off close'. The word 'close' has been removed as it wasn't clear how to distinguish (or tell the difference) between close and far.

DCF - Discarded cut free

Previously this fate code was noted as 'discarded cut free or far'. The word 'far' has been removed as it wasn't clear how to distinguish (or tell the difference) between close and far was.

New fate codes

DDH - Discarded - de-hooked

Use this new fate code for any species (mostly turtles) which have been released by using a de-hooking device.



Example of a de-hooking device.

New length codes.

New length codes have been introduced for birds. Normally these length measurements will be taken from dead birds only. New training material for birds will be released during 2017 and there are no requirements for observers to measure birds until this new material has been released. Please see the inside of your workbook for drawings on these new length measurements.

BL - Beak length

WL - Wing length - tip of wing to wrist (birds)

Modified data fields

Comments / SSI Treatment – The comment data field has been adjusted to allow observers to comment on how any SSIs were treated/handled by the crew. Notes should be made for any SSIs whether it was landed or not. Especially note any treatment of turtles and whether they followed the handling guidelines.

SPC/FFA REGIONAL OBSERVER VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS

FORM GEN-1

Date of revision

The **date of revision** of the form was changed to Dec 2016.

Modified instructions

18 – Drifting – No Fishing- This code can be used if the vessel is alongside another vessel transferring crew etc. There may be other ways to use this code during the trip.

SPC/FFA REGIONAL OBSERVER FISH, BUNKERING and OTHER TRANSFERS LOGS (continued)

Supplementary FORM GEN -

Date of revision

The **date of revision** of the form was changed to Dec 2016.

The instructions on the back of the form for the Fish Transferred (circle units) empty data field was modified to remind observers that this data field can be useful to fill in 'mixed' tuna species for purse-seine vessel transfers.

SPC / FFA REGIONAL OBSERVER SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS

FORM GEN - 2

Modified form

This form has been **completely re-designed.** The GEN-2 form is only to be used for species of species interest (SSI) that interact with the vessel and non-primary gear. Do not record any interactions with the vessels <u>primary gear</u> on the GEN-2 form. (The primary gear on a purse-seiner is the net. The primary gear on a longline vessel is the mainline and attached branch lines.)

Record all interactions with the vessel, FADs, tori pole, tender vessels, etc. on this form. An SSI interaction occurs when the presence of the vessel or some of its associated objects (but not gear) change the behaviour of the SSI (i.e. – they start swimming close to the boat).

Some data fields are listed here, to provide further explanation – even if they are not new.

Latitude and Longitude – Provide the position of the observer's vessel when the observer first notices the SSI.

New data fields

Most of the data fields are not new. They were already seen on earlier version of the GEN-2 form. A full explanation of each data field can be seen on the instruction page of the form.

Some data fields are listed here, only to provide further explanation.

Latitude and Longitude – Provide the position of the observer's vessel when the observer first notices the SSI.

Est Distance from V – **Estimated Distance from Vessel** – Record an eye-estimate of the <u>average distance</u> the SSI was from the vessel during the interaction. Record the distance in (m) meters or (NM) nautical miles.

Estimate of SSI Length – Record an eye-estimate of the SSI's length for both adults and juveniles (if present). Record the length in m – meters or cm – centimetres – more appropriate for turtles for instance.

Total Number – Record an eye-estimate of the total number of adults and juveniles (if present). If there are a lot of species (large pod of marine mammals) moving quickly, just do your best to provide a good estimate.

New codes

VESSEL INTERACTION CODES: Use these codes to describe how the SSI interacted with the vessel or non-primary gear.

IBV - Interaction, beside vessel

ION - Interaction, outside net

ICP - Collision with propeller

ICF - Interaction, crew feeding

ICT= Collision with Tori line

IWF - Interaction - with FADs, but not set on

IDW - Interaction - dead in water

IFO - Feeding on discarded offal

OTH - Interactions - other, please specify

IRE - Resting on vessel or floats (birds)

Deleted data fields

Most of the data fields relating to any landings of SSI have been removed from the GEN-3 form.

SPC / FFA REGIONAL OBSERVER	Supplement to
SPECIES OF SPECIAL INTEREST - SIGHTINGS	FORM GEN - 2

Modified form

This form has been **completely re-designed**. Record any <u>sightings</u> of species of special interest on this form. Normally sighted SSI will be far from the vessel. **CAUTION** Observers are advised to use common sense when recording sightings of birds. We are not asking for observers to sit on deck and record bird sightings all day. Further training and ID guides for bird identification will come through in 2017. When filling in any bird sightings observers are advised to try to give a general indication of the type and amount of birds that are in the area.

New data fields

Most of the data fields are not new. They were already seen on earlier versions of the GEN-2 form. A full explanation of each data field can be seen on the instruction page of the form.

Some data fields are listed here, only to provide further explanation.

Latitude and Longitude – Provide the position of the observer's vessel when the observer first notices the SSI.

New Codes

Sighting Codes

Record a sighting code to explain the behaviour of the SSI when sighted.

New data fields contd

SIGHTINGS CODES

SDS - Sighting - Distance Swimming

SBR - Sighting - Breaching

STP - Sighting - Tail slapping or playing

SMG - Sighting - Motionless in group

SDW - Sighting - Dead in Water

SBO - Sighting - Bird overhead

OTH - Sighting - Other, please specify

TALLY – Use this area to tally up any SSI sighted from the vessel. This will mostly relate to marine mammal with a large number of individuals. Record this tally by incident/event normally, or record a tally for a full day if appropriate. Tally should also be separated by sighting codes. For instance you may have a tally of 5 for MYS - (Baleen Whales) sighted as breaching and 3 SIW - (Sei Whales) sighted as distance swimming. Note you are not being asked to fill a tally of birds sighted on a daily basis. Use some common sense when recording bird sightings until further training is provided.

Total number – Record the total number of SSI sighted mostly by incident/event, but by day if appropriate.

OBSERVER	SPC/FFA REGIONAL OBSERVER	FORM GEN-3
PROGRAMME:	VESSEL TRIP MONITORING SUMMARY	(pg 1)

Date of revision

The **date of revision** of the form was changed to Dec 2016.

Modified form

The name of the form was modified to **vessel trip monitoring summary** so it was in alignment with the wording on the WCPFC minimum data standards.

New data fields

The **start of trip** and **end of trip** data fields were added so the trip can be more easily identified if the GEN-3 form is separated from the rest of the observer data for compliance reasons.

TRIP START DATE	YY	ММ	DD
TRIP END DATE	YY	ММ	DD

SPC/FFA REGIONAL OBSERVER	FORM GEN-3
VESSEL TRIP MONITORING SUMMARY	(pg 2)

Date of revision

The **date of revision** of the form was changed to Dec 2016.

Modified form

The name of the form was modified to **vessel trip monitoring summary** so it was in alignment with the wording on the WCPFC minimum data standards.

New data fields

Debriefing Status: New data fields were added to show whether the GEN-3 form has been debriefed or not. Please note observers should not fill in these data fields. If under the data sharing rules the GEN-3 form is transferred to another party the observer coordinator must circle 'not debriefed' if that is the case. If a debriefer does check the GEN-3 form at any stage, they must circle whether it has been predebriefed or debriefed.

Modified instructions

Debriefing Status: The instructions were modified to inform debriefers to circle the most appropriate status of debriefing (see above).

SPC/FFA REGIONAL OBSERVER CONVERSION FACTORS

FORM GEN-4

Date of revision

The date of revision of the form was changed to Dec 2016.

Modified instructions

A new weight code 'NM' – not measured was added for consistency with the LL-4 (longline) form.

SPC/FFA REGIONAL OBSERVER POLLUTION REPORT

FORM GEN-6

Date of revision

The **date of revision** of the form was changed to Dec 2016.

There were no other changes made to this form.

SPC/FFA REGIONAL OBSERVER OBSERVER PLACEMENT MEETING RECORD

FORM SUP-1 (pg1)

The placement form is filled in by the Placement Officer. The Observer and the Captain will be asked to sign the form.

Date of revision

The date of revision of the form was changed to Dec 2016.

New data fields

Calliper Serial Number The placement form will now trap the serial number of the calliper the observer boarded with, or was available on the vessel for the observer's use.

Personal Lifesaving Beacon (PLB): Circle Y to indicate that the observer has a PLB.

PLB Make: The placement officer should record the make, or the name of the manufacturer who made the PLB.

PLB Model: The placement officer should record the model (or specific type) of PLB unit that was made by the manufacturer.

Ensured that the Observer's compulsory 2-way communication device tested and checked is working.

The placement officer, observer and captain should sign when they agree that the observer has a functioning PLB.

Observer must sign for and report any gifts they have received from the vessel during the trip.

The Captain and Observer must initial when they understand that observer must report any received gifts. The observer should mention any received gifts in their trip report.

Interpreter signature – If present, the interpreter should sign and acknowledge that they have read the Placement form.

Modified data fields

In line with the Observer code of Conduct ensure that the observer should not drink alcohol at any point during the trip. Observers are to sign to understand that they cannot drink alcohol from the trip start to the trip end. This includes drinking alcohol on-board other vessels encountered during the trip (carrier vessels, bunkering etc.).

Vessel Safety Check – The acronym for WCPFC was removed from the title to reflect that the check list is amended from the original WCPFC Vessel Check List guideline.

The wording was modified in the following lines

Page 1

Provide Allow access to the bridge, communications and navigation equipment

Provide Instruct observer on use of vessel communications equipment to receive and transmit message with the shore, Fishery Authority and other vessels.

Provide "appropriate" (added) space for the storage of observer equipment, supplies and samples.

Deleted data fields

• *Page 1*

Line 4 was repeated under line 7 in the 2014 edition. The line was removed and the numbering below edited. "Carried out a vessel safety check in the presence of the observer and Captain."

• Back of page 1

Line 9 on the 2014 edition under "Obligations of the vessel operator to the Observer" was repeated as line 16. **Line 16 was removed** and the lines below re-numbered.

N/A – The option to record N/A – not available from the vessel safety check list was removed. The placement officer must indicate if the item exists or not.

Date of revision

The date of revision of the form was changed to Dec 2016.

There were no other changes made to this form.

SPC/FFA REGIONAL OBSERVER	FORM
TRIP RECONCILIATION	SUP-3

Date of revision

The date of revision of the form was changed to Dec 2016.

There were no other changes made to this form.

SPC/FFA REGIONAL OBSERVER	FORM
ADVANCES and CLAIMS FORM	SUP-4

Date of revision

The date of revision of the form was changed to Dec 2016.

There were no other changes made to this form.



Date of revision

The date of revision of the form was changed to Feb 2017.

Some changes have been made to the tagging form to allow information on tags recovered from species of special interest to be recorded. For this reason **all reference to 'fish' have been removed** from the tagging form.

Length code – observers are no longer restricted to recording an UF – upper jaw to fork in tail on the tagging form. Other type of measurement can be done for turtles, birds etc. Please see the length measurement page in the PS Workbook. Record the code for the length measurement done on the tagging form.

	PROGRAMME: GENERAL INFORMATION (pg1)																						
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SPC/FFA REGIONAL LONGLINE OBSERVER

OBSERVER

FORM LL-1

GENERAL INFORMATION

Observer programme: -

REVISED MARCH 2016

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").

Trip start (Ship Date and Time) } Print date using "year year/ month month / day day" format. USE SHIP'S TIME 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 Omm').

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 is sued 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.

<u>International radio call-sign (IRCS)</u>: 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.

 $\underline{\textit{Fishing Permit or Licence Number(s)}}$: 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 overall (LOA)</u>: The place to find vessel's length overall (LOA) and gross tonnage is on registration papers.

Gross tonnage (GT) / Gross
Registered Tonnage (GRT):

Normally record Gross Tonnage (GT). For older vessels if no GT, then record gross registered tonnage (GRT). Check for changes to length and/or gross tonnage.

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.

Communication services: If vessel uses satellite and/or mobile phones and/or fax and/or email record the contact details.

 $\underline{\textit{Fishery Information Services}} : \ \textit{Vessels may receive real-time information on some oceanographic features}.$

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 www: (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 w ritten 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 (including wire trace) - see LL Terminal Gear 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 then 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:

JAPAN size %	CIR size	CLE %	". size	J" %	TERA size	CIM A
	12.0	40	10.0	60		—
	– I	R 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 "Y", or "N" if one is not supplied Was it a good size ? - circle Y (yes) or 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"

Lifebuoys/life rings - count all to be found

<u>EPIRBS</u> - count all EPIRBS onboard <u>including</u> those with expired battery renewal dates. Don't count any inside life raft. Only count the EPIRBS that observers normally have access to.

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

Life rafts - Number 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 $\underline{\mathbf{D}}$ ue date record the letter "D" then a dash ("-"), then the date in 'dd/mm/yy' format
- if a <u>L</u>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"; 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.

WASTEDISPOSAL SYSTEM? (circle "Y" or "N") to indicate if a waste disposal system is present) A waste disposal system is either a machine or a procedure to properly process garbage / oil / plastics (refer to GEN-6). Examples of equipment include incinerators, crushers, shredders, compacters, balers, meal plants, barrel to contain oil etc. Example of procedures might be keeping all plastice waste until the end of the trip. If present

STRATEGIC OFFAL DISPOSAL? (circle "Y" or "N"). Circle Y if the vessel has procedures about discarding fish offal (guts, bait, bits of fish) during the setting/hauling cycle. this could be no disposal of fish offal during setting or hauling or disposal from certain locations on the vessel (i.e. the opposite side tof hauling or setting)

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.

	PROGRAMME: GENERAL INFORMATION (pg1)																						
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E	LECTF	RONI	cs	US/	AGE												US	SAGE					
			(GPS	Υ /	/ N									DEP	THSO	UNDE	R	Υ	/ N			
	TRACK PLOTTER Y/N								-							SST	GA UG	ΒE	Y	/ N			
	notekt 28172k 1714								J	MAI	ΚΕ			M	ODEL							 ENTS	
	/ANCES in			007	TOL		IVIA				IVI		_					JIVIIVII	LIVIO				
''-	CINOLOGI	<u> </u>	102	NAR	Y /	/ N																	
RA	DIO BEA															-							
			GPS BU	oys	Y /	/ N													How	many?			
	DOP	PLER	CURRENTME	TER	Y /	/ N																	
	XBT (E	BATHY	THERM OGRA	PH)	Y /	/ N																	
	VMS	VM S-1			Y /	/ N																	
S		VM S-2			Y /	/ N																	
	COMM	LINICA	TION PHO	NES	SA	TELLI	TE:	Υ	/ N	Pho ne#						MOBI				Phone#			
		RVICE	S	HER	FA	CSIM	LE:	Y	/ N	Fax#						CELL		Y	/ N				
			WEA T	HER	WEA	THER	FAX	Υ	/ N	SATI		WEA T	THER	Y /		EMA	-	Υ	/ N	Email addre	ss:		
		RMAT RVICE		ITES	Phyto	plankto	n					SST					Υ /	N	Sea H	leig ht			Y / N
			***		www	<i>l</i> :						ww	V:						ww	V:			
F	ISHING	G GE	EAR					USA	AGE	SA	FET	YE	QUIP	MEN	IT								
			MAINLINE		L	Υ /				LIFE	JAC	KET		PF	ROVID	ED FO	R OB	SEF	RVER:	Y / N /	0	1	mberof BUOYS/
			BRANCHLINE	= HA U	LER	Υ /	N			AVA	ILABI	LITY				S	SUITAE	BLE	SIZE:	Y/N	1	LIFE	RINGS
			LINES	SHOO	TER	Υ /	N			l	rc le o r	,		Easy			Moder	at e		Har	d		
		AUTO	MATICBAITT	'HRO\	NER	Y	N			EPIRE	3s ^{Tota}	a Tot Ex	alwith pBat.	L	IFE R	AFTS			1	2		3	4
	A MOTU A	TIC B F	RANCHLINEAT	TTA CI	HER	Υ /	'N			406						f PEOF		lo.		No.	No.		No.
			WEIGHING	SCA	LES	Y	N			other						ON DA yy/mm			√ (Lor	YY/MM (Lor D)) YY/	MM (LorD) YY/MM (Lor D)
	OFFALDISPOSAL MACHINE Y / N									RE	FRIC	SERA	TION	N ME	THO	DD			AЦ	- used a	the	time in	fishing
	ADVANCES IN TECNOLOGY Y / N										BLAS	STFRE	EEZE		Y	/ N	USAGE	}	TRA OF	- used o	ften i	in fishin	g
	MAINLI	NE: 🗕	MATER	ИL		DIAM	ETER	LEN	GTH			ICE			Υ /	'N	S)	3	SIF RAR	- used s	used		_
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ing Ci		L	1)				mm	WI TRA	RE CE?		BRII	NESP	RAY		Υ /					- other p			
(see TGID guide)	BRANCH M A TERI		2)				mm	YES	/ NO				WA TEF		Υ /					SPOSA			
		;	3)				mm				WA T	ΓER - F			Y /	'`				OFFAL D			
L GEA	BRANCH WEIGHT		WEIGHT	ı		DISTAN HOOK	ICEof W	⊒GHTto		l I			egic o dispo				or fis	h	(Impo	ortant). Al	sor	nentio	n any
TERMINAL GEAR	НОС		JAPAN	CIRC		",		TERA			••		-,-5		, =	•							
TER.	OFFSET	, RING		size	%	size	%	size	9 %														
	and/orS' (O,R	R,S) _	->																				

SPC/FFA REGIONAL LONGLINE OBSERVER

OBSERVER

FORM LL-1

GENERAL INFORMATION

Observer programme: -

REVISED MARCH 2016

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").

Trip start (Ship Date and Time) } Print date using "year year/ month month / day day" format. USE SHIP'S TIME 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 Omm').

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 is sued 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.

<u>International radio call-sign (IRCS)</u>: 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.

 $\underline{\textit{Fishing Permit or Licence Number(s)}}$: 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 overall (LOA)</u>: The place to find vessel's length overall (LOA) and gross tonnage is on registration papers.

Gross tonnage (GT) / Gross
Registered Tonnage (GRT):

Normally record Gross Tonnage (GT). For older vessels if no GT, then record gross registered tonnage (GRT). Check for changes to length and/or gross tonnage.

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.

Communication services: If vessel uses satellite and/or mobile phones and/or fax and/or email record the contact details.

 $\underline{\textit{Fishery Information Services}} : \ \textit{Vessels may receive real-time information on some oceanographic features}.$

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 www: (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 w ritten 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 (including wire trace) - see LL Terminal Gear 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 then 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:

JAPAN size %	CIR size	CLE %	". size	J" %	TERA size	CIM A
	12.0	40	10.0	60		—
	– I	R 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 "Y", or "N" if one is not supplied Was it a good size ? - circle Y (yes) or 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"

Lifebuoys/life rings - count all to be found

<u>EPIRBS</u> - count all EPIRBS onboard <u>including</u> those with expired battery renewal dates. Don't count any inside life raft. Only count the EPIRBS that observers normally have access to.

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

Life rafts - Number 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 $\underline{\mathbf{D}}$ ue date record the letter "D" then a dash ("-"), then the date in 'dd/mm/yy' format
- if a <u>L</u>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"; 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.

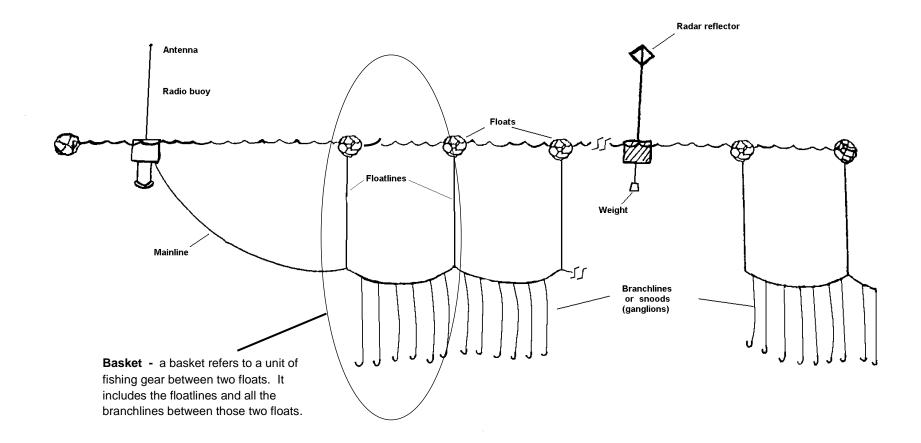
Other storage: If another refrigeration or other storage method is observed descibe it in detail in the trip report.

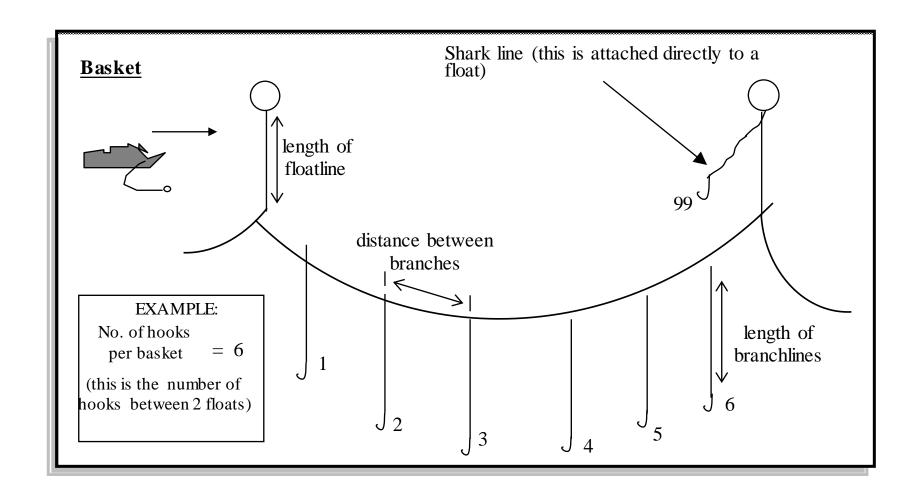
WASTEDISPOSAL SYSTEM? (circle "Y" or "N") to indicate if a waste disposal system is present) A waste disposal system is either a machine or a procedure to properly process garbage / oil / plastics (refer to GEN-6). Examples of equipment include incinerators, crushers, shredders, compacters, balers, meal plants, barrel to contain oil etc. Example of procedures might be keeping all plastice waste until the end of the trip. If present

STRATEGIC OFFAL DISPOSAL? (circle "Y" or "N"). Circle Y if the vessel has procedures about discarding fish offal (guts, bait, bits of fish) during the setting/hauling cycle. this could be no disposal of fish offal during setting or hauling or disposal from certain locations on the vessel (i.e. the opposite side tof hauling or setting)

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.





		SPC	/FFA	REGIO	NAL LON	GLINE (OBS	ERVE	ER -	SET a	nd HAUL	INFO	RMATION				FOR	M LL	-2/3
	DEC. 2016 SERVER NAME	<u> </u>				VESSEL NAM	1E					OBSERVE	R TRIP ID NUMBE	R	;	SET No.	PAG	E C	F
				LO	NGLINE SET	SPECIFICA	TION	S					TARGET SPEC	CIES ,			START (OF SET	
١	lo. OF HOOK	S PER BASKET		LINE SE	TTING SPEED	- m/s	only)		VESSEL	SPEED FOR	R SETTING (kts		('X' to indicate	e)		SHIP'S DATE	AND TIME M DD	h h	m m
Т	OTAL No. OF	BASKETS		BRANCH	HLINE SET INTE	ERVAL (s)			SHARK	LINES on f	floats (Hook No	o.99s)	TUNA		MUST BI CORDED				
T	OTAL No. OF	HOOKS		BETWE	EN BRANCHLIN	NES (m)			Number.:		LENGTH (m):		SWORDFISH		≥ റ	UTC DATE AN	D TIME M DD	h h	m m
L	ENGTH OF F	FLOATLINE (m)		LENGTH	OF BRANCHL	INES (m)			WERE	TDRs DEP	LOYED ?	Y / N	OTHER - pls specify		ALL	11 10	IVI DE		
	SHIP'S	LATITUDE		N	LONGITU	JDE	Е			MITIGAT			BAIT	USED) (tota	al weight fo	or EACH	species)	
9	TIME	(dd° mm.mmi	m')	S	(ddd° mm.m	nmm')	W		-		g used for this s	et?)	SPECIES						LIGHT
907	START SET							٦	TORI LINES	- TO	TAL NUMBER :		(KG)						STICKS
	Were all "S	Start" and "End" position	positions observed directly? Y / N in explain						BIR	D CURTAIN		Y / N	HOOK NOs						
SET	vveie all C	in commer							WEIG	HTED LINE	:S	Y / N							TOTAL NO.
	END SET							l	UNDERWAT	ER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Y / N	Y / N	
	START HAUL							W	AS OFFAL D SETTING	ISCHARGE G OR HAULI		Y / N	COMMENTS low			ments from l personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
(h																			
907																			
HAUL								11001	K CHANC	EO TI 110 (OFTO N N	DEGG	SDIDE CHANCE	ra mo i	IOOK	CIZE / HO	OV TVDE	4: CET	1 1
								HOOI	K CHANG		SET? Y N T DETAILS	DESC	CRIBE CHANGE	28 10 F	HOOK	SIZE / HO	OK TYPE	this SET	below.
									UNUR	SUAL SE	DETAILS								
	END HAUL								(add up the t	otal baskets	RVED DURING monitored from LL-4 used in the	n the			ANY TO RE	J OBSERVE EVENTS CORD ON EN-3 TODAY ?	repoi	ted 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")

<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. 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

<u>Total No. of Baskets</u>, <u>Total No. of Hooks</u>: These are the totals for the entire set. <Total No. of Hooks> = <Total No. of Baskets> \times <No. of Hooks per Basket>

<u>Length of Floatlines (m)</u>, <u>Length of Branchlines (m)</u>: 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 <u>circle</u> 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 x 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. NEW Observer can now record an 'Other -please specify' for the target species. Specify the other target species in the comments area.

<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 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>, <u>N</u>, <u>S</u>, <u>E</u>, <u>W</u>: 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 - Species</u>, <u>Kg</u>: Record species and weight (in kg) of each bait used. <u>Bait Used - Hook 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. **NEW** <u>LIGHT STICK - Record the hook numbers any light stick were attached to, also record the total number of light sticks used in the set.</u>

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.

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

MITIGATION: TORI POLES: High vertical pole placed at the stern, has trailing line with plastic streamers attached. Record the total number of tori lines (attached to tori poles) used during setting. 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. If fish offal was disposed of during setting or hauling circle Y- yes if it was disposed from the opposite side of the vessel to the mainline's location during setting or hauling.

		SPC	/FFA	REGIO	NAL LON	GLINE (OBS	ERVE	ER -	SET a	nd HAUL	INFO	RMATION				FOR	M LL	-2/3
	DEC. 2016 SERVER NAME	<u> </u>				VESSEL NAM	1E					OBSERVE	R TRIP ID NUMBE	R	;	SET No.	PAG	E C	F
				LO	NGLINE SET	SPECIFICA	TION	S					TARGET SPEC	CIES ,			START (OF SET	
١	lo. OF HOOK	S PER BASKET		LINE SE	TTING SPEED	- m/s	only)		VESSEL	SPEED FOR	R SETTING (kts		('X' to indicate	e)		SHIP'S DATE	AND TIME M DD	h h	m m
Т	OTAL No. OF	BASKETS		BRANCH	HLINE SET INTE	ERVAL (s)			SHARK	LINES on f	floats (Hook No	o.99s)	TUNA		MUST BI CORDED				
T	OTAL No. OF	HOOKS		BETWE	EN BRANCHLIN	NES (m)			Number.:		LENGTH (m):		SWORDFISH		≥ റ	UTC DATE AN	D TIME M DD	h h	m m
L	ENGTH OF F	FLOATLINE (m)		LENGTH	OF BRANCHL	INES (m)			WERE	TDRs DEP	LOYED ?	Y / N	OTHER - pls specify		ALL	11 10	IVI DE		
	SHIP'S	LATITUDE		N	LONGITU	JDE	Е			MITIGAT			BAIT	USED) (tota	al weight fo	or EACH	species)	
9	TIME	(dd° mm.mmi	m')	S	(ddd° mm.m	nmm')	W		-		g used for this s	et?)	SPECIES						LIGHT
907	START SET							٦	TORI LINES	- TO	TAL NUMBER :		(KG)						STICKS
	Were all "S	Start" and "End" position	positions observed directly? Y / N in explain						BIR	D CURTAIN		Y / N	HOOK NOs						
SET	vveie all C	in commer							WEIG	HTED LINE	:S	Y / N							TOTAL NO.
	END SET							l	UNDERWAT	ER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Y / N	Y / N	
	START HAUL							W	AS OFFAL D SETTING	ISCHARGE G OR HAULI		Y / N	COMMENTS low			ments from l personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
(h																			
907																			
HAUL								11001	K CHANC	EO TI 110 (OFTO N N	DEGG	SDIDE CHANCE	ra mo i	IOOK	CIZE / HO	OV TVDE	4: CET	1 1
								HOOI	K CHANG		SET? Y N T DETAILS	DESC	CRIBE CHANGE	28 10 F	HOOK	SIZE / HO	OK TYPE	this SET	below.
									UNUR	SUAL SE	DETAILS								
	END HAUL								(add up the t	otal baskets	RVED DURING monitored from LL-4 used in the	n the			ANY TO RE	J OBSERVE EVENTS CORD ON EN-3 TODAY ?	repoi	ted in	ES NO

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	DEC. 2016 SERVER NAME	<u> </u>				VESSEL NAM	1E					OBSERVE	R TRIP ID NUMBE	R	;	SET No.	PAG	E C	F
				LO	NGLINE SET	SPECIFICA	TION	S					TARGET SPEC	CIES ,			START (OF SET	
١	lo. OF HOOK	S PER BASKET		LINE SE	TTING SPEED	- m/s	only)		VESSEL	SPEED FOR	R SETTING (kts		('X' to indicate	e)		SHIP'S DATE	AND TIME M DD	h h	m m
Т	OTAL No. OF	BASKETS		BRANCH	HLINE SET INTE	ERVAL (s)			SHARK	LINES on f	floats (Hook No	o.99s)	TUNA		MUST BI CORDED				
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L	ENGTH OF F	FLOATLINE (m)		LENGTH	OF BRANCHL	INES (m)			WERE	TDRs DEP	LOYED ?	Y / N	OTHER - pls specify		ALL	11 10	IVI DE		
	SHIP'S	LATITUDE		N	LONGITU	JDE	Е			MITIGAT			BAIT	USED) (tota	al weight fo	or EACH	species)	
9	TIME	(dd° mm.mmi	m')	S	(ddd° mm.m	nmm')	W		-		g used for this s	et?)	SPECIES						LIGHT
907	START SET							٦	TORI LINES	- TO	TAL NUMBER :		(KG)						STICKS
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SET	vveie all C	in commer							WEIG	HTED LINE	:S	Y / N							TOTAL NO.
	END SET							l	UNDERWAT	ER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Y / N	Y / N	
	START HAUL							W	AS OFFAL D SETTING	ISCHARGE G OR HAULI		Y / N	COMMENTS low			ments from l personal wor			ing. Use
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_	V. DEC. 2016 BSERVER NAME	<u> </u>				VESSEL NAM	ΛE					OBSERVE	R TRIP ID NUMBE	:R		SET No.	PAG	E O	F
				LON	IGLINE SET	SPECIFICA	ATION	S					TARGET SPEC	CIES	l		START (OF SET	
	No. OF HOOK	S PER BASKET			TING SPEED	- m/s			VESSEL	SPEED FO	R SETTING (kts	s)	('X' to indicat			SHIP'S DATE			
	TOTAL No. OF	BASKETS		BRANCH	LINE SET INT	ERVAL (s)	, , ,		SHARK	CLINES on	floats (Hook No	o.99s)	TUNA		MUST BI CORDED	Y Y IVI	IVI DL		m m
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5	TIME	(dd° mm.mmı	n')	S	(ddd° mm.n	nmm')	W	(were any of	the followin	g used for this s	et?)	SPECIES						LIGHT
SET 10G	START SET							Т	ORI LINES	- TC	TAL NUMBER	:	(KG)						STICKS
<u> </u>	\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	 		1 1		If "N" exp	lain		BIR	D CURTAIN	J	Y / N	` ′						
SE	vvere all "S	Start" and "End" position	s observe	a directly?	Y / N	in comme			WEIG	GHTED LINI	≣S	Y / N	HOOK NOs						TOTAL NO.
	END SET							L	JNDERWAT	TER SETTIN	IG CHUTE	Y / N	BAIT DYED BLUE	Υ	/ N	Y / N	Y / N	Y / N	
	START HAUL							WA		DISCHARGE G OR HAUL	ED DURING ING?	Y / N	COMMENTS low			nments from b personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
4																			
907																			
71																			
HAUL												1							
								HOOK	CHANG	ES THIS	SET? Y N	DESC	CRIBE CHANGE	ES TO	HOOK	SIZE / HO	ОК ТҮРЕ	this SET	below.
									UNU	SUAL SE	T DETAILS								
													1				-	ula ana	
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<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	REGION	NAL LON	GLINE (OBS	ERVE	R -	SET a	and HAUL	INFO	RMATION				FOR	M LL-	-2/3
_	V. DEC. 2016 BSERVER NAME	<u> </u>				VESSEL NAM	ΛE					OBSERVE	R TRIP ID NUMBE	:R		SET No.	PAG	E O	F
				LON	IGLINE SET	SPECIFICA	ATION	S					TARGET SPEC	CIES	l		START (OF SET	
	No. OF HOOK	S PER BASKET			TING SPEED	- m/s			VESSEL	SPEED FO	R SETTING (kts	s)	('X' to indicat			SHIP'S DATE			
	TOTAL No. OF	BASKETS		BRANCH	LINE SET INT	ERVAL (s)	, , ,		SHARK	CLINES on	floats (Hook No	o.99s)	TUNA		MUST BI CORDED	Y Y IVI	IVI DL		m m
	TOTAL No. OF	HOOKS		BETWEE	N BRANCHLIN	NES (m)			Number.:		LENGTH (m):		SWORDFISH			UTC DATE AN			
	LENGTH OF F	LOATLINE (m)			OF BRANCHL				WERE	E TDRs DEF	PLOYED ?	Y / N	OTHER -		ALL	YY M	M DE	h h	
	SHIP'S	LATITUDE		N	LONGITU	JDE_	Е			MITIGA	TION		BAIT	T USE	ED (tot	al weight fo	r EACH	species)	
5	TIME	(dd° mm.mmı	n')	S	(ddd° mm.n	nmm')	W	(were any of	the followin	g used for this s	et?)	SPECIES						LIGHT
SET 10G	START SET							Т	ORI LINES	- TC	TAL NUMBER	:	(KG)						STICKS
<u> </u>	\\\ II II C	 		1 1		If "N" exp	lain		BIR	D CURTAIN	J	Y / N	` ′						
SE	vvere all "S	Start" and "End" position	s observe	a directly?	Y / N	in comme			WEIG	GHTED LINI	≣S	Y / N	HOOK NOs						TOTAL NO.
	END SET							L	JNDERWAT	TER SETTIN	IG CHUTE	Y / N	BAIT DYED BLUE	Υ	/ N	Y / N	Y / N	Y / N	
	START HAUL							WA		DISCHARGE G OR HAUL	ED DURING ING?	Y / N	COMMENTS low			nments from b personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
4																			
907																			
71																			
HAUL												1							
								HOOK	CHANG	ES THIS	SET? Y N	DESC	CRIBE CHANGE	ES TO	HOOK	SIZE / HO	ОК ТҮРЕ	this SET	below.
									UNU	SUAL SE	T DETAILS								
													1				-	ula ana	
	END HAUL				add up the	total baskets	RVED DURING s monitored from LL-4 used in th	n the		F	ANY TO RE	U OBSERVE EVENTS ECORD ON EN-3 TODAY ?	repo	rted in al 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")

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_	V. DEC. 2016 BSERVER NAME	<u> </u>				VESSEL NAM	ΛE					OBSERVE	R TRIP ID NUMBE	:R		SET No.	PAG	E O	F
				LON	IGLINE SET	SPECIFICA	ATION	S					TARGET SPEC	CIES	l		START (OF SET	
	No. OF HOOK	S PER BASKET			TING SPEED	- m/s			VESSEL	SPEED FO	R SETTING (kts	s)	('X' to indicat			SHIP'S DATE			
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HAUL												1							
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	DEC. 2016 SERVER NAME	<u> </u>				VESSEL NAM	1E					OBSERVE	R TRIP ID NUMBE	R		SET No.	PAG	E C	F
				LO	NGLINE SET	SPECIFICA	TION	S					TARGET SPEC	CIES			START (OF SET	
١	lo. OF HOOK	S PER BASKET		LINE SE	TTING SPEED	- m/s	only)		VESSEL	SPEED FOR	R SETTING (kts		('X' to indicate	e)		SHIP'S DATE	AND TIME	h h	m m
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L	ENGTH OF F	LOATLINE (m)		LENGTH	OF BRANCHL	INES (m)			WERE	TDRs DEP	LOYED?	Y / N	OTHER - pls specify		ALL RE(11 10	IVI DE		
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SET	were all 3	T and End position	is observe	d directly?	f / IN	in comme	ents		WEIG	HTED LINE	S	Y / N	HOOK NOs						TOTAL NO.
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	DEC. 2016 SERVER NAME	<u> </u>				VESSEL NAM	1E					OBSERVE	R TRIP ID NUMBE	R		SET No.	PAG	E C	F
				LO	NGLINE SET	SPECIFICA	TION	S					TARGET SPEC	CIES			START (OF SET	
١	lo. OF HOOK	S PER BASKET		LINE SE	TTING SPEED	- m/s	only)		VESSEL	SPEED FOR	R SETTING (kts		('X' to indicate	e)		SHIP'S DATE	AND TIME	h h	m m
Т	OTAL No. OF	BASKETS		BRANCH	HLINE SET INTE	ERVAL (s)			SHARK	LINES on f	loats (Hook No	o.99s)	TUNA		MUST BI CORDED				
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9	TIME	(dd° mm.mmi	m')	S	(ddd° mm.m	nmm')	W	((were any of	the following	g used for this s	et ?)	SPECIES						LIGHT
907	START SET							٦	TORI LINES	- TO	TAL NUMBER :		(KG)						STICKS
	More all "C	L Start" and "End" position	o choomio	d directly?	Y / N	If "N" exp	lain		BIR	D CURTAIN		Y / N	` ′						<u> </u>
SET	were all 3	T and End position	is observe	d directly?	f / IN	in comme	ents		WEIG	HTED LINE	S	Y / N	HOOK NOs						TOTAL NO.
	END SET							l	UNDERWAT	ER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Y / N	Y / N	
	START HAUL							W	AS OFFAL D SETTING	ISCHARGE G OR HAULI		Y / N	COMMENTS low			ments from l personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
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9																			
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	DEC. 2016 SERVER NAME	<u> </u>				VESSEL NAM	1E					OBSERVE	R TRIP ID NUMBE	R	-	SET No.	PAG	E C	F
				LO	NGLINE SET	SPECIFICA	TION	S					TARGET SPEC	CIES			START (OF SET	
١	lo. OF HOOK	S PER BASKET		LINE SE	TTING SPEED	- m/s	only)		VESSEL	SPEED FOR	R SETTING (kts		('X' to indicate	e)		SHIP'S DATE	AND TIME	h h	m m
Т	OTAL No. OF	BASKETS		BRANCH	HLINE SET INTE	ERVAL (s)			SHARK	LINES on f	loats (Hook No	o.99s)	TUNA		MUST BI CORDED				
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L	ENGTH OF F	LOATLINE (m)		LENGTH	OF BRANCHL	INES (m)			WERE	TDRs DEP	LOYED?	Y / N	OTHER - pls specify		ALL RE(11 10	IVI DE		
	SHIP'S	LATITUDE		N	LONGITU	<u>JDE</u>	Е			MITIGAT			BAIT	T USEI	D (tota	al weight fo	or EACH	species)	
9	TIME	(dd° mm.mmi	m')	S	(ddd° mm.m	nmm')	W	((were any of	the following	g used for this s	et ?)	SPECIES						LIGHT
907	START SET							٦	TORI LINES	- TO	TAL NUMBER :		(KG)						STICKS
	More all "C	L Start" and "End" position	o choomio	d directly?	Y / N	If "N" exp	lain		BIR	D CURTAIN		Y / N	` ′						<u> </u>
SET	were all 3	T and End position	is observe	d directly?	f / IN	in comme	ents		WEIG	HTED LINE	S	Y / N	HOOK NOs						TOTAL NO.
	END SET							l	UNDERWAT	ER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Y / N	Y / N	
	START HAUL							W	AS OFFAL D SETTING	ISCHARGE G OR HAULI		Y / N	COMMENTS low			ments from l personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
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9																			
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HAUL																			
H								HOOI	 K CHANG	ES THIS	SET? Y N	DESC	CRIBE CHANGE	ES TO I	HOOK	SIZE / HO	OK TYPF	this SFT	helow
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											DETITLE								
	END HAUL							_	(add up the t	otal baskets	EVED DURING monitored from LL-4 used in thi	n the			ANY TO RE	J OBSERVE EVENTS CORD ON EN-3 TODAY ?	repoi	ted 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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	END SET							l	UNDERWAT	ER SETTIN	G CHUTE	Y / N	BAIT DYED BLUE	Υ /	N	Y / N	Y / N	Y / N	
	START HAUL							W	AS OFFAL D SETTING	ISCHARGE G OR HAULI		Y / N	COMMENTS low			ments from l personal wor			ing. Use
											D FROM THE or HAULING?	Y / N							
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9																			
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H								HOOI	 K CHANG	ES THIS	SET? Y N	DESC	CRIBE CHANGE	ES TO I	HOOK	SIZE / HO	OK TYPF	this SFT	helow
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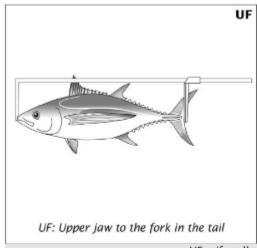
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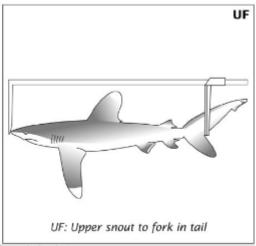
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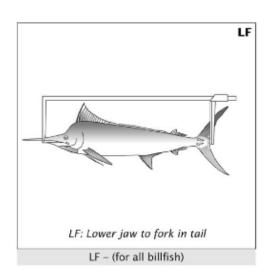
Longline Length Measurements

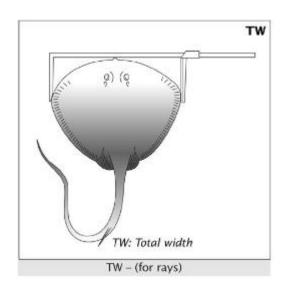
These are the best measurements to do on-board a longline vessel.

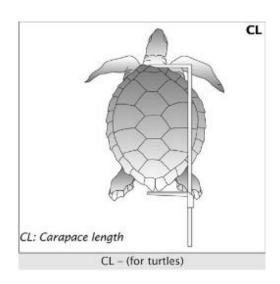


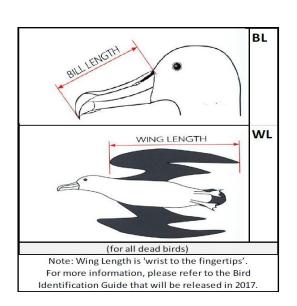


UF - (for all tuna, bycatch and sharks)





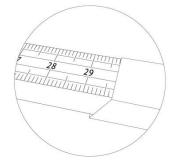




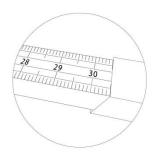
CALIBRATING CALLIPERS

Observers are asked to calibrate their callipers before every set. This can be done by marking a known length on the deck. For instance, use the ruler of the calliper (<u>not the calliper itself</u>) to mark out 30 cm on the deck with a pen etc. Take time to do this properly, then measure that known length with the calliper. Or as the drawing shows, measure a known length on a deck tape. Remember not to use a tape measure made from material as these can stretch in wet conditions.





The true length is 30cm. The calliper is incorrectly reading 29.7 cm. The calibration should be recorded as minus 3 mms.



The true length is 30cm. The calliper is incorrectly reading 30.5 cm. The calibration should be recorded as plus 5 mms.

CODES PAGE

LONGLINE OBSERVER WORKBOOK

Think about tearing out this page to help you fill in uour forms.

ISO (alpha 2) Country Codes

- AS American Samoa
- AU Australia
- BZ Belize
- CK Cook Islands
- CA Canada
- EC Ecuador
- SV El Salvador
- FM Fed. States of Micronesia
- FJ Fiji Islands
- FR France
- PF French Polynesia
- GU Guam
- ID Indonesia
- IW International Waters
- JP Japan
- TO Kingdom of Tonga
- KI Kiribati
- KR Korea
- LT Lithuania
- CN Mainland China
- MY Malaysia
- MT Malta
- MH Marshall Islands
- NR Nauru
- NL Netherlands
- NZ New Zealand
- NC New Caledonia
- NU Niue
- MR Northern Marianas
- PW Palau
- PA Panama
- PG Papua New Guinea
- PH Philippines
- RU Russia
- SB Solomon Islands
- TK Tokelau
- TV Tuvalu
- TW Chinese Taipei (Taiwan)
- US United States
- VU Vanuatu
- WF Wallis and Futuna
- WS Samoa

SPECIES OF SPECIAL INTEREST CODES

SSI **ALL SPECIES OF SPECIAL INTEREST** TTX **All Turtles** Loggerhead Turtle TTL LTB Leatherback Turtle TUG Green Turtle LKV Olive Ridley Turtle Hawksbill Turtle TTH KEZ Eastern Pacific Green Turtle (black turtle) Flatback turtle **FBT**

MAM All Marine Mammals
ODN Toothed Whales
FAW False Killer Whale
SHW Short-Finned Pilot Whale
SPW Sperm Whale
KPW Pygmy Killer Whale

DWW Dwarf sperm whale
BCW Cuvier's Beaked Whale
BBW Blainville's Beaked Whale
MEW Melon-headed Whale

MYS All Baleen Whales
BLW Blue whale
FIW Fin whale
SIW Sei whale
BRW Bryde's whale
MIW Minke whale

SHK All Sharks
RHN Whale Shark
OCS Oceanic White

OCS Oceanic White-tip Shark

Humpback whale

FAL Silky Shark

HUW

RMV Mobula spp. RMB Giant Manta

DLP All DolphinsDBO Bottlenose Dolphin

DCO Common Dolphin (short-beaked)

DRR Risso's Dolphin
DSI Spinner Dolphin
DPN Spotted Dolphin
DST Stiped Dolphin

RTD Rough-toothed Dolphin

BIZ All birds

LRD

DKN Black-footed albatross
DIZ Laysan albatross
ALZ Albatrosses
SZV Boobies and Gannets
PRX Petrels and Shearwaters

Gulls, Terns, Skuas

GEAR INTERACTION CODES

IEN - Entangled (in gear)
IJO - Jumped out (net closed)
ICR - Crew released from net
IBR - Broke through net

IHE - Hooked internally (mouth)
IDJ - Hooked in jaw (circle hook)

IHD - Hooked deeply - throat or stomach

IHU - Hooked unknown

OTH - Other, please specify

VESSEL INTERACTION CODES

IBV - Interaction, beside vessel ION - Interaction, outside net ICF - Interaction, crew feeding

IWF - Interaction, with FADs, but not set on

IDW - Interaction, dead in water
ICV - Interaction, collision with vessel
ICP - Interaction, collision with propeller
ICT - Interaction, collision with tori line
FRB - Interaction, feeding on bait during set

IFO - Interaction, feeding on discarded offal

IRE - Interaction, resting on vessel, floats or FADs(birds)

OTH - Interaction- other, please specifiy

SIGHTINGS CODES

SDS - Sighting - Distance Swimming

SBR - Sighting - Breaching

STP - Sighting - Tail slapping or playing SMG - Sighting - Motionless in group SDW - Sighting - Dead in Water SBO - Sighting - Bird overhead

OTH - Sighting - Other, please specify

SPC/FFA REGIONAL OBSERVER VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS

FORM GEN-1

	VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING AND OTHER TRANSFERS LOGS																	
							VESSEL NAME						000001/50	TOID ID AU IA	DED.	- 1.	24.05	OF
OBSER	RVER NAME					VESCELIVAME						OBSERVER TRIP ID NUMBER PAGE OF						
VES	SEL OR	AIRC	RAFT SIGHTIN	IG:	S								•			<u> </u>		
	SHIP'S				SSEL POSITION		SIGHTED VE	SSEL OR AIRCE	RAFT		COMPASS	DISTANCE	ACTION	DUOTO				
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FIS	H TRANS	SFERR	ING, FISH DU	MP	ING, BUNKERIN	IG k	by OBSERVER'S VESS	EL										
	SHIP'S	TIME	OBSERVER	S\	ESSEL POSITION	1	OTH	ER VESSEL			FISH T	RANSFER	RED (circ	le units)	ACTION CODE			
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2	LONGLI	NE	9 FISHCARE	RIER		-	CN CHINA US USA	BZ BELIZE		FISHING INCLUDES ANY FISHING RELATED ACTIVITY NOT OTHERWISE COVERED HERE								
3 POLE AND LINE 10 TRAWLER 4 MOTHERSHIP						-	JP JAPAN PH PHILLIPINES			RECEIVING GIVING FI FISHING TR TRANSHIPPING FISH TG TRANSHIPPING FISH (from hold in on								
5 6	TROLL NET BO	AT	21 LIGHT AIRC 22 HELICOPTI		FT	-	TW TAIWAN PA PANAMA KR KOREA HN HONDURAS	SG SINGAPOF S LK SRILANKA		F POSSIBLY IF NOT FISH	FISHING SR NG BR	SET SHARING BUNKERING		SET SHARIN		ne boat's n	et to anothe	r boat's hold)
7	BUNKE					outenance	NONEX THE HONDONA	VU VANUATU		F DUMPING	FISH							
			31 OTHER - p	lease	e specify:						OR	OTHERsp	ecify OG	OTHER				

Rev. DEC 2016 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 <u>must not</u> 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.
EW	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 type codes " 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

	,								
Oth	er vessel name	Name of any other vessel that is involved in a transfer							
Our	CI VC33CI HailiC	operation with the observer's vessel.							
Inte	rnational callsign	The call-sign that should be visibly painted on the other vessel							
Tvn	e Code	Use the "Vessel and aircraft type codes" on front of this form to							
тур	e Code	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							
RR	Bigeye Weight	Total Weight of Bigeye that has been transferred							
TRANSFE		Record the species code for any other type of species that are							
SS	"Blank" Weight	being transferred. Recording 'mixed' species is an option,							
R		especially on purse seiners.							
9 .	Action Code	See codes on front of Form.							
FISH	Comments	Comment about the transfer activities that take place							
	Comments	(e.g.: method used; problems; destination of the fish; etc.)							

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 (host vess)	Here describe 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 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. 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	TR, TG - transferring fish between vessel holds 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 VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS

FORM GEN-1

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2	LONGLI POLE AL		9 FISHCARI 10 TRAWLER			-	CN CHINA US USA	BZ BELIZE		ACTIVITY NOT OTHERWISE COVERED HERE RECEIVING GIVING						
3 POLE AND LINE 10 TRAWLER 4 MOTHERSHIP						-	JP JAPAN PH PHILLIPINES			FI FISHING			ING FISH (fre	om hold in one boat to hold in other)		
5 TROLL 21 LIGHT AIRCRAFT						wood	TW TAIWAN PA PANAMA	SG SINGAPOR		PF POSSIBLY FISHING SR SET SHARING SG SET SHARING (from one boat's net						
6	NET BO		22 HELICOPT	ER		-	KR KOREA HN HONDURAS			NF NOT FISHING BR BUNKERING BG BUNKERING						
7	BUNKE	R	0.4		.,	-		VU VANUATU	J [DF DUMPING	FISH	OT! IF	.specify OG OTHER			
			31 OTHER - p	lease	e specify:				9		OR	OTHERsp	ecify OG	OTHER		

Rev. DEC 2016 Notes on FORM GEN - 1

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Observer Name	Put first name first and last name last. Print name in full.
Vessel Name	Put vessel's full name. Names <u>must not</u> 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

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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 & E W	It is very important to record if latitude is North or South of the equator by writing "N" or "S" beside the position. 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 type codes " 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.								
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FISH TRANSFERRING, FISH DUMPING, BUNKERING by OBSERVER'S VESSEL

110	ii iitaitoi Eititiito, i	ion boiling, boiling by obolity lit of vessel							
Oth	er 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							
T. m	o Codo	Use the "Vessel and aircraft type codes" on front of this form to							
Type Code		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							
RR	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. Recording 'mixed' species is an option, especially on purse seiners.							
	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

00220	
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 (host vess)	Here describe 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 vessel = vessel that observer is on.	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	SR, SG - set sharing - when vessel has too many fish after all
vessel is receiving fish or	wells are filled (usually from its last set) and another vessel is
items from another vessel. Use the " ?G " codes if the	invited to brail the remaining fish from the its net.
host vessel is giving fish	BR, BG - bunkering - when one vessel takes fuel from another
or items to another vessel	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
riag Country Codes	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. "ob server 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 FISH, BUNKERING and OTHER TRANSFERS LOGS (continued)

Supplementary FORM GEN - 1

pto.

REV. DEC. 2016 OBSERVER NAME						VESSEL NAME	VESSEL NAME								PAGE OF 1
						NG by OBSERVER'S V	/ESSEL								
SHIP'S	TIME	OBSERVER	'S V	ESSEL POSITION		OTH	ER VESSEL			FISH T	RANSFER	RED (circ	ACTION		
DATE (MM/DD)	DATE TIME LATITUDE N LONGITUDE E (dd° mm.mmm') S (ddd° mm.mmm') W		NAME			TYPE CODE	SKJ YFT WGT. NO. WGT. NO.		BET WGT. NO. WGT. NO.		CODE host ves.	COMMENTS			
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FISH TE	FISH TRANSFERRING, FISH DUMPING, BUNKERING by OBSERVER'S VESSEL														
SHIP'S				ESSEL POSITION			ER VESSEL			FISH T	RANSFER	RED (circ	le units)	ACTION	
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SPC / FFA REGIONAL OBSERVER SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS

FORM GEN - 2

SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS											
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OBSERVER NAME VESSEL NAM			L NAME		OBSERV	ER TRIP ID NUMBER	PAGE	0	F		
SSI CODE	SSI CODE START OF INTERACTION TIME (HH: mm)		END OF INTERACTION TIME (HH : mm)		DATE	LATITUI	DE	LONGITUDE			
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INTERACTION		END	START	END	Adults	Juvenilles	Adults		Juvenilles		
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INTERACTION CODE	START	END	START	END	Adults	Juvenilles	Adu	lts	Juvenilles	5	
	m NM	m NM			m cm	m cm					
Docariation	of Species			<u>. </u>	•				<u>l</u>		
Description	Tor Species	, interaction	711								
SSI CODE	START OF INTERACTION TIME (HH: mm) Est. DISTANCE from V.		END OF INTERACTION TIME (HH : mm)		DATE	LATITUI	DE				
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INTERACTION CODE	START END		START END		Adults	Juvenilles	Adu		Juvenilles	,	
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	m NM	m NM			m cm	m cm					
Description	of Species	/ Interaction	n								
SSI CODE	START OF INTERACTION TIME (HH: mm)		END OF INTERACTION TIME (HH : mm)		DATE	LATITUDE			LONGITUDE		
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INTERACTION	Est. DISTANCE from V.		START END		Estimate of S				tal Numbers		
CODE	START END				Adults	Juvenilles	Adults		Juvenilles		
	m NM m NM				m cm	m cm					
Description	n of Species	/ Interaction	n								

SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS Instructions

First Edition Dec. 2016

The Purpose of the new <u>Vessel Interaction Form</u> is to capture any interactions by any Species of Special Interest with the <u>vessel</u> or its <u>non-primary gear</u>. An interaction with the vessel or its non-primary gear is said to have occurred if the SSI has come close to the vessel/non-primary gear or if the behaviour of the SSI has been influenced by the presence of the vessel/non-primary gear. For instance, the marine mammal came close to the vessel and swam alongside it. Record all interactions with the primary fishing gear on the PS-3, LL-4 or PL-3 form.

Non-primary gear means equipment that belongs to the vessel, but it not the gear used by the vessel to catch tuna.

On a purse-seine vessel only the net is the primary gear. FADs, tender vessels, skiff etc are not considered primary gear. All SSIs caught/trapped/entangled by the purse-seine net should be recorded on the PS-3 form.

On a longline vessel the mainline, all componets of the branchline, and the radio buoys attached to the mainline are seen as part of the primary gear. All SSI caught/trapped/ hooked by the longline gear should be recorded on the LL-4 form.

On a pole-and-line vessel only the fishing poles are part of the primary gear.

Observer Name: Print your name in full. Put your first name (Christian name) first and your last name (surname) last.

Observer Trip ID Number: Fill in your trip identification number as supplied by your programme before departure - exactly as recorded on the PS-1 (pg1) form.

Page of: Number forms through trip as Page 1, Page 2 etc. At the end of the trip check that the total number of pages are filled in on all pages.

SSI Code: Record the three-letter FAO species code for each species of special interest that interacts with the vessel/non-primary gear.

Start of Interaction Time: Record in hours and minutes the time the SSI started to interact with the vessel/non-primary gear. This is the time the observer first noted that there was an interaction or that the SSI behaviour was influenced by the vessel presence.

End of Interaction Time: Record the time in hours and minutes when the SSI's interaction with the vessel ended.

Date: Record the date of the interaction (year-month-day).

Latitude / Longitude: Record the location of the <u>start of the interaction</u> (or when the observer first noticed the interaction) by filling in the degrees, minutes and decimal minutes for latitude and longitude to three decimal places.

VESSEL INTERACTION CODES: Use these codes to describe how the SSI interacted with the vessel or non-primary gear.

IBV - Interaction, beside vessel
ION - Interaction, outside net
ICF - Interaction, crew feeding
IWF - Interaction - with FADs, but not set on
IDW - Interaction - dead in water
ICV - Collision with vessel
ICP - Collision with propeller
ICT= Collision with Tori line
FRB- Feeding on bait during set
IFO - Feeding on discarded offal

OTH - Interactions - other, please specify IRE - Resting on vessel, floats or FADs (birds)

Estimate of Distance from Vessel: Record an observer eye-estimate of the distance of the SSI from the vessel when the observer <u>first noticed the interaction</u>. If the SSI moves towards or away from the vessel/non-primary gear record this in the description box below. Normally the distance will be recorded in (m) **meters, or** (nm) **nautical miles.**

Condition Codes:

A0 - Alive, condition unknown A3 - Alive, but unlikely to live

A1 - Alive and healthy D - Dead
A2 -Alive, but injured or distressed U - Conditinon

Estimate of SSI Length: Record an observer eye-estimate of the average length of 1) the adult SSIs and 2) the juvenille SSIs. Normally, marine mammals will be recorded in (m) **meters**, while turtle, birds will be recorded as (cm) **centimeters**.

Total Numbers: Record the total number of adults, and or the total number of juvenille SSIs. If there are a large number of species, record an eye-estimate, and mention this is in the description area below.

Description of Species / Interaction: Provide more information on the species to help confirm the species (size, colour, markings) code recorded by the observer. Also, describe all aspects of the interaction as briefly, but also as informative, as possible.

SPC / FFA REGIONAL OBSERVER SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS

FORM GEN - 2

		S OF SPE	CIAL IN IE	REST - VE	SSEL INTERA	CHONS				
First edition_D										
OBSERVER NA	AME	VESSE	L NAME		OBSERV	ER TRIP ID NUMBER	PAGE	0	F	
SSI CODE	START OF INTE	RACTION TIME	END OF INTE	RACTION TIME	DATE	LATITUI	DE		LONGITUDE	
	(HH :	mm)	(HH	: mm)	YY MM DD	(dd mm.mn	nm) N	(dd	d mm.mmm)	Ε
						(1)	S	,	- · · · · · · · · · · · · · · · · · · ·	W
VESSEL	Est. DISTAN	ICF from V.	CONDIT	ION CODE	Estimate of S	SILength			tal Numbers	1
INTERACTION		END	START	END	Adults	Juvenilles	Adu		Juvenilles	
CODE			SIANI	END			Aut	11.5	Juvernines	·
	m NM	m NM			m cm	m cm				
Description	n of Species	/ interaction	n							
SSI CODE	START OF INTE	DACTION TIME	END OF INTE	RACTION TIME	DATE		\F	1	LONGITURE	
331 CODE	(HH:			: mm)	DATE	LATITUI			LONGITUDE	
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VESSEL INTERACTION CODE	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SI Length		To	tal Numbers	
	START	END	START	END	Adults	Juvenilles A		lts	Juvenilles	;
	m NM	m NM			m cm	m cm				
Description	of Species	/ Interaction	n							
SSI CODE	START OF INTE			RACTION TIME	DATE LATITUDE LONG			LONGITUDE		
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VESSEL	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SILength			tal Numbers	1
INTERACTION CODE	START	END	START	END	Adults	Juvenilles	۸dı		Juvenilles	
			JIANI	LIND			Adults		Juverilles	
Decerintion	m NM	m NM	<u> </u>	<u> </u>	m cm	m cm			1	
Description	n of Species	/ interaction	n							
SSI CODE	START OF INTE			RACTION TIME	DATE	LATITUI	DE		LONGITUDE	
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VESSEL	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SSI Length			tal Numbers	
INTERACTION CODE	START	END	START	END	Adults	Juvenilles	Adu		Juvenilles	
CODE			3171111				,			
Docarintia	m NM	/ Interaction	<u> </u>	I	m cm	m cm			1	
Description	n of Species	/ interaction	лт							

SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS Instructions

First Edition Dec. 2016

The Purpose of the new <u>Vessel Interaction Form</u> is to capture any interactions by any Species of Special Interest with the <u>vessel</u> or its <u>non-primary gear</u>. An interaction with the vessel or its non-primary gear is said to have occurred if the SSI has come close to the vessel/non-primary gear or if the behaviour of the SSI has been influenced by the presence of the vessel/non-primary gear. For instance, the marine mammal came close to the vessel and swam alongside it. Record all interactions with the primary fishing gear on the PS-3, LL-4 or PL-3 form.

Non-primary gear means equipment that belongs to the vessel, but it not the gear used by the vessel to catch tuna.

On a purse-seine vessel only the net is the primary gear. FADs, tender vessels, skiff etc are not considered primary gear. All SSIs caught/trapped/entangled by the purse-seine net should be recorded on the PS-3 form.

On a longline vessel the mainline, all componets of the branchline, and the radio buoys attached to the mainline are seen as part of the primary gear. All SSI caught/trapped/ hooked by the longline gear should be recorded on the LL-4 form.

On a pole-and-line vessel only the fishing poles are part of the primary gear.

Observer Name: Print your name in full. Put your first name (Christian name) first and your last name (surname) last.

Observer Trip ID Number: Fill in your trip identification number as supplied by your programme before departure - exactly as recorded on the PS-1 (pg1) form.

Page of: Number forms through trip as Page 1, Page 2 etc. At the end of the trip check that the total number of pages are filled in on all pages.

SSI Code: Record the three-letter FAO species code for each species of special interest that interacts with the vessel/non-primary gear.

Start of Interaction Time: Record in hours and minutes the time the SSI started to interact with the vessel/non-primary gear. This is the time the observer first noted that there was an interaction or that the SSI behaviour was influenced by the vessel presence.

End of Interaction Time: Record the time in hours and minutes when the SSI's interaction with the vessel ended.

Date: Record the date of the interaction (year-month-day).

Latitude / Longitude: Record the location of the <u>start of the interaction</u> (or when the observer first noticed the interaction) by filling in the degrees, minutes and decimal minutes for latitude and longitude to three decimal places.

VESSEL INTERACTION CODES: Use these codes to describe how the SSI interacted with the vessel or non-primary gear.

IBV - Interaction, beside vessel
ION - Interaction, outside net
ICF - Interaction, crew feeding
IWF - Interaction - with FADs, but not set on
IDW - Interaction - dead in water
ICV - Collision with vessel
ICP - Collision with propeller
ICT= Collision with Tori line
FRB- Feeding on bait during set
IFO - Feeding on discarded offal

OTH - Interactions - other, please specify IRE - Resting on vessel, floats or FADs (birds)

Estimate of Distance from Vessel: Record an observer eye-estimate of the distance of the SSI from the vessel when the observer <u>first noticed the interaction</u>. If the SSI moves towards or away from the vessel/non-primary gear record this in the description box below. Normally the distance will be recorded in (m) **meters, or** (nm) **nautical miles.**

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A2 -Alive, but injured or distressed U - Conditinon

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Total Numbers: Record the total number of adults, and or the total number of juvenille SSIs. If there are a large number of species, record an eye-estimate, and mention this is in the description area below.

Description of Species / Interaction: Provide more information on the species to help confirm the species (size, colour, markings) code recorded by the observer. Also, describe all aspects of the interaction as briefly, but also as informative, as possible.

SPC / FFA REGIONAL OBSERVER SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS

FORM GEN - 2

		S OF SPE	CIAL IN IE	REST - VE	SSEL INTERA	CHONS				
First edition_D										
OBSERVER NA	AME	VESSE	L NAME		OBSERV	ER TRIP ID NUMBER	PAGE	0	F	
SSI CODE	START OF INTE	RACTION TIME	END OF INTE	RACTION TIME	DATE	LATITUI	DE		LONGITUDE	
	(HH :	mm)	(HH	: mm)	YY MM DD	(dd mm.mn	nm) N	(dd	d mm.mmm)	Ε
						(1)	S	,	- · · · · · · · · · · · · · · · · · · ·	W
VESSEL	Est. DISTAN	ICF from V.	CONDIT	ION CODE	Estimate of S	SILength			tal Numbers	1
INTERACTION		END	START	END	Adults	Juvenilles	Adu		Juvenilles	
CODE			SIANI	END			Aut	11.5	Juvernines	·
	m NM	m NM			m cm	m cm				
Description	n of Species	/ interaction	n							
SSI CODE	START OF INTE	DACTION TIME	END OF INTE	RACTION TIME	DATE		\F	1	LONGITURE	
331 CODE	(HH:			: mm)	DATE	LATITUI			LONGITUDE	_
	,	,	,	,	YY MM DD	(dd mm.mn	-		d mm.mmm)	Е
							S			W
VESSEL INTERACTION CODE	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SI Length		To	tal Numbers	
	START	END	START	END	Adults	Juvenilles A		lts	Juvenilles	;
	m NM	m NM			m cm	m cm				
Description	of Species	/ Interaction	n							
SSI CODE	START OF INTE			RACTION TIME	DATE LATITUDE LONG			LONGITUDE		
	(HH:	mm)	(HH	: mm)	YY MM DD	YY MM DD (dd mm.mmr		nmm) N (ddd mm.n		Ε
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VESSEL	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SILength			tal Numbers	1
INTERACTION CODE	START	END	START	END	Adults	Juvenilles	۸dı		Juvenilles	
			JIANI	LIND			Adults		Juverilles	
Decerintion	m NM	m NM	<u> </u>	<u> </u>	m cm	m cm			1	
Description	n of Species	/ interaction	n							
SSI CODE	START OF INTE			RACTION TIME	DATE	LATITUI	DE		LONGITUDE	
	(HH :	111111)	(нн	: mm)	YY MM DD	(dd mm.mn	nm) N	(dd	d mm.mmm)	Ε
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VESSEL	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SSI Length			tal Numbers	
INTERACTION CODE	START	END	START	END	Adults	Juvenilles	Adu		Juvenilles	
CODE			3171111				,			
Docarintia	m NM	/ Interaction	<u> </u>	I	m cm	m cm			1	
Description	n of Species	/ interaction	лт							

SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS Instructions

First Edition Dec. 2016

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SPC / FFA REGIONAL OBSERVER SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS

FORM GEN - 2

		S OF SPE	CIAL IN IE	REST - VE	SSEL INTERA	CHONS				
First edition_D										
OBSERVER NA	AME	VESSE	L NAME		OBSERV	ER TRIP ID NUMBER	PAGE	0	F	
SSI CODE	START OF INTE	RACTION TIME	END OF INTE	RACTION TIME	DATE	LATITUI	DE		LONGITUDE	
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VESSEL	Est. DISTAN	ICF from V.	CONDIT	ION CODE	Estimate of S	SILength			tal Numbers	1
INTERACTION		END	START	END	Adults	Juvenilles	Adu		Juvenilles	
CODE			SIANI	END			Aut	11.5	Juvernines	·
	m NM	m NM			m cm	m cm				
Description	n of Species	/ Interaction	n							
SSI CODE	START OF INTE	DACTION TIME	END OF INTE	RACTION TIME	DATE		\F	1	LONGITURE	
331 CODE	(HH:			: mm)	DATE	LATITUI			LONGITUDE	_
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							S			W
VESSEL INTERACTION CODE	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SI Length		To	tal Numbers	
	START	END	START	END	Adults	Juvenilles A		lts	Juvenilles	;
	m NM	m NM			m cm	m cm				
Description	of Species	/ Interaction	n							
SSI CODE	START OF INTE			RACTION TIME	DATE LATITUDE LONG			LONGITUDE		
	(HH:	mm)	(HH	: mm)	YY MM DD	YY MM DD (dd mm.mmr		nmm) N (ddd mm.n		Ε
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VESSEL	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SILength			tal Numbers	1
INTERACTION CODE	START	END	START	END	Adults	Juvenilles	۸dı		Juvenilles	
			JIANI	LIND			Adults		Juverilles	
Decerintion	m NM	m NM	<u> </u>	<u> </u>	m cm	m cm			1	
Description	n of Species	/ interaction	n							
SSI CODE	START OF INTE			RACTION TIME	DATE	LATITUI	DE		LONGITUDE	
	(HH :	111111)	(нн	: mm)	YY MM DD	(dd mm.mn	nm) N	(dd	d mm.mmm)	Ε
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VESSEL	Est. DISTAN	ICE from V.	CONDIT	ION CODE	Estimate of S	SSI Length			tal Numbers	
INTERACTION CODE	START	END	START	END	Adults	Juvenilles	Adu		Juvenilles	
CODE			3171111				,			
Docarintia	m NM	/ Interaction	<u> </u>	I	m cm	m cm			I	
Description	n of Species	/ interaction	лт							

SPECIES OF SPECIAL INTEREST - VESSEL INTERACTIONS Instructions

First Edition Dec. 2016

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Supplement to **SPECIES OF SPECIAL INTEREST - SIGHTINGS** FORM GEN - 2 First Edition DEC. 2016 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID No. PAGE OF TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε SSI CODE Species Description TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε S W SSI CODE Species Description SIGHTING CODE TOTAL NUMBER **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W Species Description SPECIES CODE TOTAL NUMBER SIGHTING CODE LATITUDE LONGITUDE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description TOTAL NUMBER LATITUDE LONGITUDE SIGHTING CODE TALLY DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description

SPC / FFA REGIONAL OBSERVER

SPECIES OF SPECIAL INTEREST - Supplementary (SIGHTINGS) Instructions

First Edition Dec. 2016

The purpose of the newly formated Species of Special Interest - Supplementary (Sightings) Form is to capture any sightings of Species of Special Interest made by the observer. Make sure that it is a sighting and not an interaction with the vessel or non-primary gear (see GEN-2 interactions). Recording a sighting of a SSI suggests that the SSI's behaviour was not affected by the presence of the observer's vessel. Be reflective about how you record birds. Obviously, recording every single bird you see over-head with the species group code (BIZ) is not helpful. So think about what is helpful before recording bird sightings. Record (if you can identify them), the species you generally see during your trip. Your data should indicate the general abundance of birds, by species during the trip. Further training in Bird Identification and data recording will be provided from mid-2017. Recording the presence of marine mammals and birds on their migatory routes can be helpful to define, understand and evaluate their species ranges (the areas they can be found) and any impacts changes in the ecosystem is having on their migatory routes.

Observer Name: Print your name in full. Put your first name (Christian name) first and your last name (Surname) last.

Observer Trip ID Number: Fill in your trip identification number as supplied by your programme before departure exactly as recorded on the PS-1 (pg1) form.

Page of: Number Forms through trip as Page 1, Page 2 etc. At the end of the trip check that the total number of pages are filled in on all pages.

DATE: Record the date (year-month-day) the sighting was made.

LONGITUDE LATITUDE:

Give the position of the observer's vessel when the first SSI was sighted.

SIGHTING CODE: Record one of the 'Sighting Codes' to indicate the SSI behaviour when sighted.

SIGHTING CODES

SDS - Sighting- Distance Swimming

SBR - Sighting - Breaching

STP - Sighting - Tail Slapping or Playing

SMG - Sighting - Motionless in Group

SDW - Sighting -Dead in Water

SBO - Sighting - Bird Overhead

OTH - Other, please specify

Use this area if there are a number of SSIs that are noticed during the day. This area will be useful for bird sightings, or pods of marine mammal with many individuals.

TOTAL NUMBER:

Record the total number of the SSI species that were seen. If there are large numbers of individual species record an eye-estimate.

SSI CODE Record the three letter FAO species identification code,

SPECIES DESCRIPTION: Provide a description of the species that will help to confirm its species code, mention colour, markings, length, fin shape etc.

Supplement to **SPECIES OF SPECIAL INTEREST - SIGHTINGS** FORM GEN - 2 First Edition DEC. 2016 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID No. PAGE OF TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε SSI CODE Species Description TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε S W SSI CODE Species Description SIGHTING CODE TOTAL NUMBER **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W Species Description SPECIES CODE TOTAL NUMBER SIGHTING CODE LATITUDE LONGITUDE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description TOTAL NUMBER LATITUDE LONGITUDE SIGHTING CODE TALLY DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description

SPC / FFA REGIONAL OBSERVER

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First Edition Dec. 2016

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DATE: Record the date (year-month-day) the sighting was made.

LONGITUDE LATITUDE:

Give the position of the observer's vessel when the first SSI was sighted.

SIGHTING CODE: Record one of the 'Sighting Codes' to indicate the SSI behaviour when sighted.

SIGHTING CODES

SDS - Sighting- Distance Swimming

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SSI CODE Record the three letter FAO species identification code,

SPECIES DESCRIPTION: Provide a description of the species that will help to confirm its species code, mention colour, markings, length, fin shape etc.

Supplement to **SPECIES OF SPECIAL INTEREST - SIGHTINGS** FORM GEN - 2 First Edition DEC. 2016 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID No. PAGE OF TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε SSI CODE Species Description TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε S W SSI CODE Species Description SIGHTING CODE TOTAL NUMBER **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W Species Description SPECIES CODE TOTAL NUMBER SIGHTING CODE LATITUDE LONGITUDE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description TOTAL NUMBER LATITUDE LONGITUDE SIGHTING CODE TALLY DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description

SPC / FFA REGIONAL OBSERVER

SPECIES OF SPECIAL INTEREST - Supplementary (SIGHTINGS) Instructions

First Edition Dec. 2016

The purpose of the newly formated Species of Special Interest - Supplementary (Sightings) Form is to capture any sightings of Species of Special Interest made by the observer. Make sure that it is a sighting and not an interaction with the vessel or non-primary gear (see GEN-2 interactions). Recording a sighting of a SSI suggests that the SSI's behaviour was not affected by the presence of the observer's vessel. Be reflective about how you record birds. Obviously, recording every single bird you see over-head with the species group code (BIZ) is not helpful. So think about what is helpful before recording bird sightings. Record (if you can identify them), the species you generally see during your trip. Your data should indicate the general abundance of birds, by species during the trip. Further training in Bird Identification and data recording will be provided from mid-2017. Recording the presence of marine mammals and birds on their migatory routes can be helpful to define, understand and evaluate their species ranges (the areas they can be found) and any impacts changes in the ecosystem is having on their migatory routes.

Observer Name: Print your name in full. Put your first name (Christian name) first and your last name (Surname) last.

Observer Trip ID Number: Fill in your trip identification number as supplied by your programme before departure exactly as recorded on the PS-1 (pg1) form.

Page of: Number Forms through trip as Page 1, Page 2 etc. At the end of the trip check that the total number of pages are filled in on all pages.

DATE: Record the date (year-month-day) the sighting was made.

LONGITUDE LATITUDE:

Give the position of the observer's vessel when the first SSI was sighted.

SIGHTING CODE: Record one of the 'Sighting Codes' to indicate the SSI behaviour when sighted.

SIGHTING CODES

SDS - Sighting- Distance Swimming

SBR - Sighting - Breaching

STP - Sighting - Tail Slapping or Playing

SMG - Sighting - Motionless in Group

SDW - Sighting -Dead in Water

SBO - Sighting - Bird Overhead

OTH - Other, please specify

Use this area if there are a number of SSIs that are noticed during the day. This area will be useful for bird sightings, or pods of marine mammal with many individuals.

TOTAL NUMBER:

Record the total number of the SSI species that were seen. If there are large numbers of individual species record an eye-estimate.

SSI CODE Record the three letter FAO species identification code,

SPECIES DESCRIPTION: Provide a description of the species that will help to confirm its species code, mention colour, markings, length, fin shape etc.

Supplement to **SPECIES OF SPECIAL INTEREST - SIGHTINGS** FORM GEN - 2 First Edition DEC. 2016 OBSERVER NAME VESSEL NAME OBSERVER TRIP ID No. PAGE OF TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε SSI CODE Species Description TOTAL NUMBER SIGHTING CODE **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε S W SSI CODE Species Description SIGHTING CODE TOTAL NUMBER **LATITUDE LONGITUDE TALLY** DATE YY MM DD (dd mm.mmm) Ν (ddd mm.mmm) Ε W Species Description SPECIES CODE TOTAL NUMBER SIGHTING CODE LATITUDE LONGITUDE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description TOTAL NUMBER LATITUDE LONGITUDE SIGHTING CODE TALLY DATE YY MM DD (ddd mm.mmm) (dd mm.mmm) Ν Ε W SSI CODE Species Description TOTAL NUMBER **LATITUDE LONGITUDE** SIGHTING CODE **TALLY** DATE YY MM DD Ε (dd mm.mmm) Ν (ddd mm.mmm) W SSI CODE Species Description

SPC / FFA REGIONAL OBSERVER

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First Edition Dec. 2016

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Use this area if there are a number of SSIs that are noticed during the day. This area will be useful for bird sightings, or pods of marine mammal with many individuals.

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SPECIES DESCRIPTION: Provide a description of the species that will help to confirm its species code, mention colour, markings, length, fin shape etc.

OBSER			C/FFA REGION					FOR			1 - 3
PROGR.		VESSI	EL TRIP MONI	TORING	SUMMA	ARY			(pg		
REV. DE			This form		ha filla a	l :	TRIP STAR	T DATE	YY	ММ	DD
Observer i	NAME		by the ob	n <u>must</u> l server fo			TRIP END D	ATE	YY	ММ	DD
Obs. NA	TIONALIT	Y TRIP ID NUMBER	COASTAL STATE LICENC	ES (IF ANY)				TY OF BOARD			IF
VESSEL NAME			COUNTRY REG.#	UVI		IRCS		VESSEL FLAG			EL GEAR YPE
Die	d the v	ressel do any of the followir	ng (indicate 'Yes'	or 'No' witl	h an 'X'	for every	item)	V		NI.	
<u>a</u>		Did the energia are any every		twist regist	dalan raf	ivoo boordi	in a to	_Yes		No	pg
social	RS -a	Did the operator or any crew m intimidate or interfere with obs			-	use boardi	ng to,	RS	-a		No.
our	кѕ -b	Request that an event not be re	eported by the obse	erver		instruction		RS	-b		
er rights behaviour	RS -C	Mistreat other crew				full wordin ns on this p	~	RS	-с		
Observer rights / behaviour		Did operator fail to provide obs						RS	-d		
Ser	кѕ -d		bserver's Government, with food, accommodation, access to safety gear and medical cilities of reasonable standard - equivalent to those normally available to an officer								
ō		onboard the vessel	a oquivalent to the	.so nonnany	available	, to arr onlo					
	NR -a	Fish in areas where the vessel	is not permitted to f	ïsh				NR	-a		
ons	NR -b	Target species other than those	arget species other than those they are licenced to target								
latic	NR -C	Use a fishing method other that	n the method the ve	essel was de	signed or	licensed		NR	-с		
ngə	ик -d	Not display or present a valid (_			NR.	-d	\exists	
ıal r	NR -e	Transfer or transship fish from	\vdash	-е	\exists						
National regulations	NR -f	Was involved in bunkering act	\vdash	-f	\dashv						
ž	NR -g		H	-g	\dashv						
	WK -9	Tan to stow norming year when t	Fail to stow fishing gear when entering areas where vessel is not authorised to fish								<u> </u>
ည္	wc -a	Fail to comply with any Comm	ission Conservation	and Manag	ement Me	easures (Cl	MMs)	wc	-а		
WCPFC CMMs	wc -b	High-grade the catch						wc	-b		
S •	wc -c	Fish on FAD during FAD Closu	ıre					wc	-с		<u>L</u>
	LP -a	Inaccurately record vessel pos	ition on vessel log s	sheets for se	ts, hauling	g and catch	1	LP	-a		
ion	∟Р -b	Fail to report vessel positions to	o countries, where red	quired when en	tering and	d leaving a	n EEZ	LP	-b		
Logsheet recording - Position Logsheet recording - Catch	LP -10	(crossing to or from an EEZ into o	r out of the High Seas	;)							
- ნი - ნი	LС -а	Inaccurately record retained 'T	arget Species" in th	ne Vessel log	gs [or wee	kly reports	1	LC	-a		
rdir rdir	LC -b	Inaccurately record 'Target Sp	ecies" Discards					LC	-b		
ooe.	LC -C	Record target species inaccura	ately [eg. combine b	oigeye/yellov	wfin/skipja	ick catch]		LC	-с		
eet	LC -d	Not record bycatch discards						LC	-d		
Logsheet recording Logsheet recording	<i>L</i> с -е	Inaccurately record retained by	ycatch Species					LC	-е		
១១	LС -f	Inaccurately record discarded	bycatch species					LC	-f		
SSIs	sı -a	Land on deck Species of Spec	ial Interest (SSI			nmals, turt		sı	-а		
Š	sı -b	Interact (not land) with SSIs		seabird	ls or prote	cted shark	s)	sı	-b		
	ри -а	Dispose of any metals, plastics	s, chemicals or old f	ïshing gear				PN	-a		
ر و	ри -b	Discharge any oil						PN	-b		
Pollution	PN -C	Lose any fishing gear						PN	-с		
Pol	ри -d	Abandon any fishing gear						PN	-d		
	_Р -е	Fail to report any abandoned g	gear					PN	-		
									I.	<u> </u>	
Sea safety	ss -a	Fail to monitor international sa						ss	-a	_	
Sa	ss -b	Carry out-of-date safety equipr	ment					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.

OBSERVER TRIP ID No.

(if any)

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

NATIONALITY OF BOARING VESSEL IF **BOARDED AT SEA**

VESSEL NAME

National regulations

WCPFC CMMs

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

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

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:

/social behaviour	RS-a	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?
ocial b	RS-b	Request that an event not be reported by the observer Did any crew member or operator ask you not to record, report photograph or video an event?
its/sc	RS-c	Mistreat other crew
rights	1.00	Were there any clear systematic or prejudiced bullying or mistreatment of any crew ?
Observer	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 purseseiners', 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).

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.

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.

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

Transfer or tranship fish from or to another vessel.

NR-e 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

Was involved in bunkering activities

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.

Fail to stow fishing gear when entering areas where vessel is not authorised to fish

NR-q 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

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

Fish on FAD during FAD Closure

During the period July 1- October 31: Did the vessel retrieve, service, set or fish on any floating object or group of objects, WC-c of any size, that was or was not 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 VESSEL TRIP MONITORING SUMMARY

FORM GEN - 3

(pg 2)

						" o ',
REV. DEC 2016						
OBSERVER NAME			VESSELNAME		OBSERVER NATIONALITY	
TRIP ID NUMBER			OBSERVER PROGRAMME			
	IF YOU ANSWERE	ED YES TO ANY IT	TEM ON THE GEN-3 FORM	II PLEASE EXPLAIN BRIEF	LY IN THE AREA BELO	OW.
	A FULL EXPL	ANATION MUST	BE WRITTEN IN THE OBS	SERVER DAILY JOURNAL A	AND/OR TRIP REPORT	•
JOURNAL	PAGE NUMBERS F	OR THE EXPLANA	ATION SHOULD BE RECO	RDED IN THE BOXES PROV	VIDED ON THE FRONT	OF THIS FORM
						
	DEBRE	IFING STATUS	,	OBSERVER SIGNATURE	DATE	YY/MM/DD
Circle one:	Not Dehriefed	Dro-dobriofod	Debriefed			

Rev.	Rev. DEC 2016									
osition	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 an 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 to ensure all sets are recorded and the catch has been logged correctly every day.								
Logsheet Recording – Catch	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.								
neet Record	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.								
		Land on deck Species of Special Interest (SSIs) 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.

Interact (not land) with SSIs (e.g. Marine mammals, turtle or whale sharks)

SSIs

SI-b 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
Pollution explanation 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 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 nc	PN-b	Discharge any oil
Pollution . explanatic		Was any fuel oil spilled or dumped within 50 nautical miles of shore?
Pollt expl	PN-c	Lose any fishing gear
1 100	FN-C	Was any fishing gear lost during this trip?
see MARPOL	PN-d	Abandon any fishing gear
(see	riv-u	Was any fishing gear dumped or abandoned by the observer's host vessel?
	PN-e	Fail to report any abandoned gear
	rn-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
a safety	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? Frequencies are: VHF marine radio for medium to long range voise communications - 2182 kHz VHF marine radio for short range voice communications - Channel 16
Š	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?

OBSER			SPC	/FFA REGION	NAL OBS	ERVER			FO	RM	GEN	- 3
PROGR	AMME:		VESSE	L TRIP MONI	TORING S	SUMMA	ARY			(pg	g 1)	
REV. DE				TI :- (4 1	- 6:11-		TRIPSTART	DATE	YY	ММ	DD
Observer I	NAME				n <u>must</u> k			TRIP END DA	ATE	YY	ММ	DD
Obs. NA	TIONALITY	TRIP ID NUMBER		by the ob		revery	uip	NATIONALIT	Y OF BOA	RDING \	VESSEL IF	=
-					(,			BOARDED				
VECCEI				COUNTRY REG.#	UVI		IRCS	<u> </u>	VESSEL		VESSE	
VESSEL NAME									FLAG		TY	PE
Did the vessel do any of the following (indicate 'Yes' or 'No' with an 'X' for every item) Yes No												
<u>a</u>		Did the energter	or any arow ma	ambor assault obe	atruot ragint	dolov, rofe	usa haardi	ing to	_res		NO	pg
Observer rights / social behaviour	RS -a		-	ember assault, obs rvers in the perforr		-	use Doardi	ng w,		≀s -a		No.
s/s	кѕ -b	Poguest that an	ovent not be re	ported by the observer Refer to instruction pages					\vdash	rs -b		
rer rights pehaviour		Mistreat other cre	•	boned by the obse	51 V G1	for the	full wordin	gof				
er r	RS -C			rver. while onboar	d. at no expe		•		\vdash	≀s -C		
serv	Did operator fail to provide observer, while onboard, at no expense to observer or the observer's Government, with food, accommodation, access to safety gear and medical									rs -d		
ο̈́		facilities of reaso	acilities of reasonable standard - equivalent to those normally available to an officer									
	NR -a			s not permitted to t	ish .				Ι Ι.	ır -a		
us									H			
National regulations	NR -b			they are licenced	_	oiar a d -	lioons = -!		H	IR -b		
ang	NR -C	_		the method the ve		_	licerisea		\vdash	IR -C		-
al re	NR -d			nd current) licence		onboard			H	ır -d		
ion	NR -e			r to another vesse					Н	IR -e		
Nat	NR -f	Was involved in	_						⊢ ⊢′	vr -f		
	NR -g	Fail to stow fishir	ng gear when er	ntering areas wher	e vessel is n	ot authori:	sed to fish		^	IR -g		
ပ္ပ	wc -a	Fail to comply wi	ith any Commis	sion Conservation	and Manage	ement Me	asures (Cl	MMs)	и	vс -а		
WCPFC CMMs	wc -b	High-grade the catch								vc -b		
≥ 0	wc -c	Fish on FAD dur	ing FAD Closur	е					и	vc -c		
	LP -a	Inaccurately record vessel position on vessel log sheets for sets, hauling and catch								.р -а		
e o		Fail to report vessel positions to countries, where required when entering and leaving an EEZ								.p -b		
Logsheet recording - Position Logsheet recording - Catch	LP -b	•	•	out of the High Seas	•	torring arre						
9-P	LС -а	Inaccurately reco	ord retained 'Ta	rget Species" in th	ne Vessel log	s [or wee	kly reports]	I.	.с -а		
ding	ьс -b	Inaccurately rece	ord 'Target Spe	cies" Discards					1	.c -b		
Scor	LC -C	Record target sp	ecies inaccurat	ely [eg. combine b	oigeye/yellov	vfin/skipja	ck catch]			_c -c		
et re	LC -d	Not record bycat	tch discards							.c -d		
she	<i>∟</i> с -е	Inaccurately reco	ord retained by	catch Species						.с -е		
Log	LC -f	Inaccurately rece	-	•						LC -f		
40		Lond	naning of Court	1 Into v==1 (00)	,				${\Box}$			
SSIs	sı -a	Land on deck Sp		al Interest (SSI			nmals, turt cted shark		\vdash	sı -a		
	sı -b	Interact (not land	a) with SSIs			7.0.0		,		sı -b		
	ри -а	Dispose of any n	netals, plastics,	chemicals or old t	ishing gear					» -a		
uo	РN -b	Discharge any o	il						F	ъ -b		
Pollution	PN -C	Lose any fishing	gear						F	∘N -C		
Po	ри -d	Abandon any fis	hing gear							» - d		
	<i>Р</i> -е									·и -е		
>	05 5	Foil to manitari	ntornational a-f	oty froguencies								
Sea safety	ss -a	Fail to monitor in							\vdash	ss -a		
ÿ	ss -b	Carry out-of-date	e satety equipm	ent						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.

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

OBSERVER TRIP ID No.

NATIONALITY OF

NCPFC CMN

marketable target species Fish on FAD during FAD Closure

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

fish).

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

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) 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:

haviour	RS-a	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?							
þ		· · · · · · · · · · · · · · · · · · ·							
<u>.</u>	RS-b	Request that an event not be reported by the observer							
200	100	Did any crew member or operator ask you not to record, report photograph or video an event?							
S		Mistreat other crew							
ight	RS-c	Were there any clear systematic or prejudiced bullying or mistreatment of any crew?							
Observer rights / social behaviour	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?							
	NR-a	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-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)							
	,, o-a	Has any WCPFC regional regulation (CMM) been breached?							
တ		High grade the catch							

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

WC-c of any size, that was or was not 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.

During the period July 1- October 31: Did the vessel retrieve, service, set or fish on any floating object or group of objects,

SPC/FFA REGIONAL OBSERVER

FORM GEN-3

VESS	EL TRIP MONITOR	ING SUMMAR I	(pg 2)
REV. DEC 2016 OBSERVER NAME	VESSEL NAME	OBSER!	VER NATIONALITY
TRIP ID NUMBER	OBSERVER PROGRAMME		
IF YOU ANSWERED YES TO ANY	ITEM ON THE GEN-3 FORM	PI FASE EXPLAIN BRIFFLY IN	THE AREA BELOW
	T BE WRITTEN IN THE OBSI	ERVER DAILY JOURNAL AND/O	R TRIP REPORT
			_
- Control of the Cont			
DEBREIFING STATUS		OBSERVER SIGNATURE	DATE YY / MM / DD
Circle one: Not Debriefed Pre-debriefed	I Debriefed		

Rev. DEC 2016 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. LP-a 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 Logsheet recording - Position details should be written into the observer report. Fail to report vessel positions to countries, where required when entering and leaving an EEZ (crossing to or from an EEZ into or out of the High Seas) LP-b 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. 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? LC-a 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. -ogsheet Recording - Catch Inaccurately record 'Target Species" Discards LC-b 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. Record target species inaccurately LC-c 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. Not record bycatch discards LC-d Report any attempt to not report any fish, shark, reptile or mammal species - retained or discarded. Inaccurately record retained bycatch species Report if vessel wrongly reports retained bycatch species. Inaccurately record discarded bycatch species LC-f Report if vessel wrongly reports discarded bycatch species. Land on deck Species of Special Interest (SSIs) 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). SSIs 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. 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
Pollution explanation 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 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 nc	PN-b	Discharge any oil
ition anatic	PN-D	Was any fuel oil spilled or dumped within 50 nautical miles of shore ?
	PN-c	Lose any fishing gear
I (see MARPOL	PN-C	Was any fishing gear lost during this trip?
MAR	PN-d	Abandon any fishing gear
(see	riv-u	Was any fishing gear dumped or abandoned by the observer's host vessel?
	PN-e	Fail to report any abandoned gear
		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	Ī
Sea safety	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? Frequencies are: VHF marine radio for medium to long range voice communications - 2182 kHz VHF marine radio for short range voice communications - Channel 16	
ÿ	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?	

Debriefing Status: Normally the 'pre-debriefer' or 'debriefer' should circle one choice to indicate if debriefing has taken place at any time on the GEN-3 form. It is possible that the form will be first circled -'not debriefed', then circled pre-debriefed and finally circled debriefed.

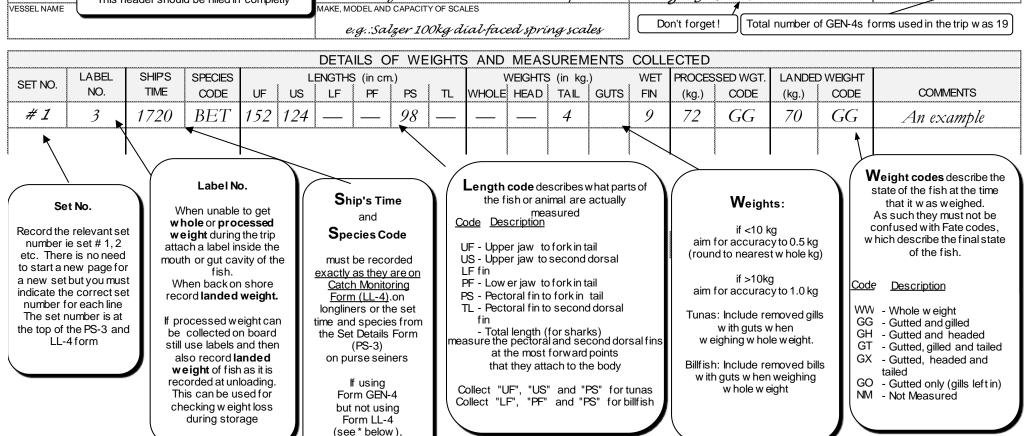
FORM GEN-4

SPC/FFA REGIONAL OBSERVER CONVERSION FACTORS

REVISED DEC.	EVISED DEC. 2016																			
OBSERVER NA	MEASUR	MEASURING INSTRUMENT						OBSERVER TRIP ID No. PAGE OF							OF					
													SHIP'S START OF TRIP DATE (YYYY/MM/DD) SHIP'S END OF TRIP DA					- 000000		
VESSEL NAME						MAKE, M	ODEL AND	CAPACII	Y OF SCA	LES			SHIP'S STA	RIOFIRIPI	DATE (YYYY	/MM/DD)	SHIP'S END	OF TRIP DAT	E (YYYY/M	M/DD)
								05 14/	<u> </u>		145 4 6	V 10 E 1 41	- NITO 6	201150	TE D		<u></u>			
									EIGHI	S AND				COLLEC						
SET NO.	SHIP'S	LABEL	SPECIES				in cm				WE	GHTS (in	kg.)			SED WGT.				
OLI IVO.	TIME	NO.	CODE	UF	US	LF	PF	PS	TL	WHOLE	HEAD	TAIL	GUTS	WET FIN	(kg.)	CODE	(kg.)	CODE		COMMENTS

Rev. DEC 2016 Notes on FORM GEN-4 CONVERSION FACTORS





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.

record sex in the

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.

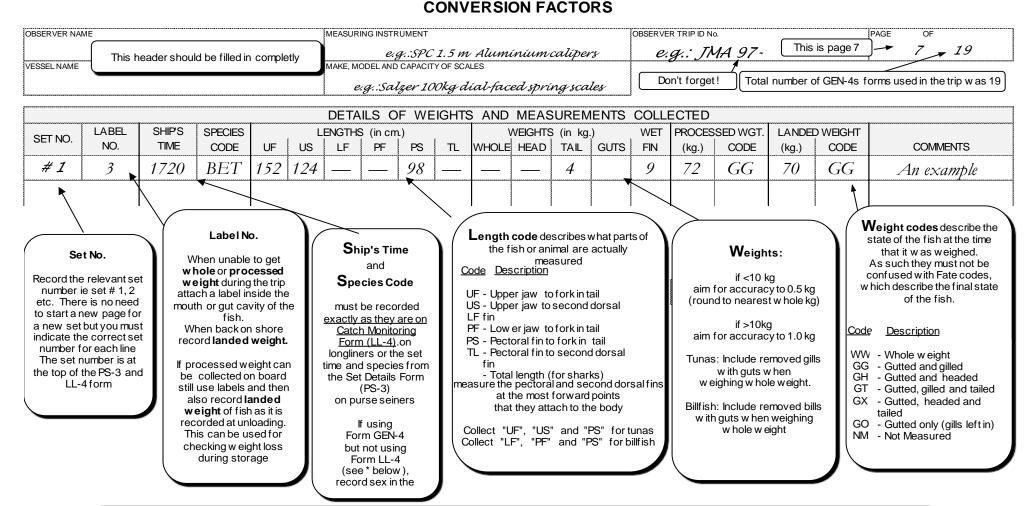
* On some more difficult trips you may choose, or were asked, to take time out from normal sampling to put more effort into collecting conversion factor information. In this situation the Catch Monitoring Form may not be used. At times like this record the sex of the fish in the comments section of Form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

REVISED DEC. 2016 OBSERVER NAME							NG INSTR	UMENT					OBSERVER TRIP ID No. PAGE OF								
	-																				
VESSEL NAME						MAKE, MODEL AND CAPACITY OF SCALES								SHIP'S START OF TRIP DATE (YYYY/MM/DD) SHIP'S END OF TRIP DATE (YYY							
						DET	AII C	OF \//	EICHI	LG VND	MEAS	HIDEM	ENITS (COLLEC.	TED						
	SHIPS	LABEL	SPECIES			ENGTHS			EIGHI	AIND		GHTS (in	MENTS COLLECTED in kg.) PROCESSED WGT. LANDED WEIGHT								
SET NO.	TIME	NO.	CODE	UF	US	LF	PF		TL	WHOLE	HEAD	TAIL	GUTS	WET FIN		CODE	(kg.)	CODE	COMMENT	S	

Rev. DEC 2016 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).

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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 POLLUTION REPORT

REVISED Dec. 2016

FORM GEN-6

OBSERVER NAME	V	VESSEL NAME OBSER'					RVER ID NUMBER PAGE OF						
	- fill in	one form	ı for <u>e</u>	ach p	ollutio	on incider	nt -		•				
INCIDENT DETAILS													
Ship's DATE and TIME YY MM DD hh	mm (LATITUDE (ddmm.mmm'	')	N/S		ONGITUDE dmm.mmm')	E	/ W	EEZ / HARBOUR				
					(,							
WIND DIRECTION WIND SP	EED SE	SEA CONDITIONS CUR (C, S, M, R)				RENT : (knts and direction °) OBSERVER'S VESSEL ACTIVITY							
NAME OF OFFENDING VESSE		IRCS	TYPE	OF VES	SEL		R POSIT ass Bear		ROM OFFENDING VESSEL Distance (nautical miles)				
	!	WASTE	DUMF	PED OV	ERBO	ARD			!				
Material Tick each box that applies	Descr	ribe Type					Des	cribe	Quantity				
Plastics													
Metals													
Waste oil													
Chemicals													
General garbage													
(within 12 miles of shoreline)													
		OIL SPIL	LAGES	S AND	LEAKA	GES							
Source	Tick each box that applies	Visua	al App	earan	ce / Co	olour	Des	scrib	e Area and Quantity				
Vessel Aground / Collision													
Vessel at Anchor / Berth													
Vessel Underway													
Land based source - Describe	source												
Other - please specifiy													
		Abandon	ed or	Lost Fi	shing (Gear							
Source	Activity		Desc	cribe C	ear			Es	timate Quantity				
Lost during fishing													
Abandoned													
Dumped													
Other comments:													
Were there any stickers/pe Did you take any photos? If yes, please state the nun	_	-				about Ma	ARPC	DL R	regulations? Y/N				

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 less than 50 nautical miles (nm) from shore. It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the shore, unless the vessel has a machine on-board (comminuter) to shred and treat the waste. In this case they can release the treated garbage up to 3 nm from the shore.

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.

*	s on the last form and continue recording pollution infiningements 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 (yy / mm /dd)	Date pollution seen in year, month and day. 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 prevailing 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
3	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.
	Use the vessel compass to get direction of theoffending vessel from the obs.'
Your positon from offending	vessel. The radar can be used to get an extact distance in nautical miles.
vessel.	Otherwise give your best estimate.
	WASTE DUMPED OVERBOARD
	Tick the appropriate data field to show which types of materials were
	dumped. Only a maxium of two materials ifmore than one material type
Material	dumped 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
D'	Give as good a description as possible of the type of dumped material.
Describe type	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags;
	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 Quantities	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
	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.
	Give a best estimate of the size of the spill.
Describe Area and Quantity	The boat could be a size reference - e.g.: it was 4 times bigger than the boat.
	Abandoned or Lost Fishing Gear
	There is no tick box. Indicate the source of the abandoned/ lost fishing gear by completing
Source	the information for the corresponding row of information. For instance if the source is 'lost
	during fishing' fill in the activity, describe gear, and estimate quantity on the line to the right
	of 'lost during fishing'. Use this line if the gear was <u>accidentally</u> lost from the observer's vessel
Source - Lost during fishing	during this trip and the vessel tried to search and recover the gear.
Coardo Lost during haming	Use this line if the gear was <u>deliberately</u> abandoned from the observer's
Course Alexanders !	vessel during the trip, or similarly the vessel made no effort to retrive the gear.
Source - Abandoned	
	Use this line if the vessel deliberately dumped any fishing gear overboard
Source - Dumped	(either old fishing gear, or some of the gear that was used during the trip).
***************************************	Record your vessel's activity when gear was lost, abandoned or dumped.
Activity	This might be setting, hauling, steaming etc.
-	Given information on the gear, especially the type of materials it was made of
	(e.g. aluminium, nylon rope) and its make up - fishing net 10cm mesh, old
Describe Gear	monofilament branchline, no hooks
Estimate Quantifty	Refer to the total area in square meters. Mention the length, breadth and width.

SPC/FFA REGIONAL OBSERVER POLLUTION REPORT

REVISED Dec. 2016

FORM GEN-6

OBSERVER NAME	V	VESSEL NAME OBSER'					RVER ID NUMBER PAGE OF						
	- fill in	one form	ı for <u>e</u>	ach p	ollutio	on incider	nt -		•				
INCIDENT DETAILS													
Ship's DATE and TIME YY MM DD hh	mm (LATITUDE (ddmm.mmm'	')	N/S		ONGITUDE dmm.mmm')	E	/ W	EEZ / HARBOUR				
					(,							
WIND DIRECTION WIND SP	EED SE	SEA CONDITIONS CUR (C, S, M, R)				RENT : (knts and direction °) OBSERVER'S VESSEL ACTIVITY							
NAME OF OFFENDING VESSE		IRCS	TYPE	OF VES	SEL		R POSIT ass Bear		ROM OFFENDING VESSEL Distance (nautical miles)				
	!	WASTE	DUMF	PED OV	ERBO	ARD			!				
Material Tick each box that applies	Descr	ribe Type					Des	cribe	Quantity				
Plastics													
Metals													
Waste oil													
Chemicals													
General garbage													
(within 12 miles of shoreline)													
		OIL SPIL	LAGES	S AND	LEAKA	GES							
Source	Tick each box that applies	Visua	al App	earan	ce / Co	olour	Des	scrib	e Area and Quantity				
Vessel Aground / Collision													
Vessel at Anchor / Berth													
Vessel Underway													
Land based source - Describe	source												
Other - please specifiy													
		Abandon	ed or	Lost Fi	shing (Gear							
Source	Activity		Desc	cribe C	ear			Es	timate Quantity				
Lost during fishing													
Abandoned													
Dumped													
Other comments:													
Were there any stickers/pe Did you take any photos? If yes, please state the nun	_	-				about Ma	ARPC	DL R	regulations? Y/N				

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 less than 50 nautical miles (nm) from shore. It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the shore, unless the vessel has a machine on-board (comminuter) to shred and treat the waste. In this case they can release the treated garbage up to 3 nm from the shore.

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.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u> </u>
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 ( yy / mm /dd)	Date pollution seen in year, month and day. 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 prevailing 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.
	Use the vessel compass to get direction of theoffending vessel from the obs.'
Your positon from offending	vessel. The radar can be used to get an extact distance in nautical miles.
vessel.	Otherwise give your best estimate.
	WASTE DUMPED OVERBOARD
	Tick the appropriate data field to show which types of materials were
Material	dumped. Only a maxium of two materials ifmore than one material type
Wateriai	dumped 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
Describe type	Give as good a description as possible of the type of dumped material.
Describe type	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags;
	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 Quantities	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
	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.
Describe Area and Quantity	The boat could be a size reference - e.g.: it was 4 times bigger than the boat.
	Abandoned or Lost Fishing Gear
	There is no tick box. Indicate the source of the abandoned/lost fishing gear by completing the information for the corresponding row of information. For instance if the source is 'lost
Source	during fishing fill in the activity, describe gear, and estimate quantity on the line to the right
	of 'lost during fishing'.
	Use this line if the gear was accidentally lost from the observer's vessel
Source - Lost during fishing	during this trip and the vessel tried to search and recover the gear.
	Use this line if the gear was <u>deliberately</u> abandoned from the observer's
Source - Abandoned	vessel during the trip, or similarly the vessel made no effort to retrive the gear.
	Use this line if the vessel deliberately dumped any fishing gear overboard
Source - Dumped	(either old fishing gear, or some of the gear that was used during the trip).
	Record your vessel's activity when gear was lost, abandoned or dumped.
Activity	This might be setting, hauling, steaming etc.
Addivity	Given information on the gear, especially the type of materials it was made of
	(e.g. aluminium, nylon rope) and its make up - fishing net 10cm mesh, old
Describe Gear	monofilament branchline, no hooks
Estimate Quantifty	Refer to the total area in square meters. Mention the length, breadth and width.
Louinale Qualitity	The state of the s

#### SPC/FFA REGIONAL OBSERVER FORM GEN-6 **POLLUTION REPORT** REVISED Dec. 2016 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 ΥY MM $\mathsf{m}\mathsf{m}$ (ddmm.mmm') (dddmm.mmm') DD WIND DIRECTION WIND SPEED SEA CONDITIONS CURRENT: (knts and direction°) OBSERVER'S VESSEL ACTIVITY (C, S, M, R)NAME OF OFFENDING VESSEL YOUR POSITION FROM 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 describe: (within 12 miles 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

### MARPOL Regualations - state

Y / N

Y / N

Were there any stickers/ posters displayed to remind the vessel about MARPOL Regulations?

If yes, please state the number(s) of the photo frames or files.

Dumped

Other comments:

Did you take any photos?

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 less than 50 nautical miles (nm) from shore. It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the shore, unless the vessel has a machine on-board (comminuter) to shred and treat the waste. In this case they can release the treated garbage up to 3 nm from the shore.

#### **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.

P	on the fact rem and common receiving penalter miningement in analy.
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 ( yy / mm /dd	Date pollution seen in year, month and day. 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 prevailing 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:
J	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
3	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.
	Use the vessel compass to get direction of theoffending vessel from the obs.'
Your positon from offending	vessel. The radar can be used to get an extact distance in nautical miles.
vessel.	Otherwise give your best estimate.
	WASTE DUMPED OVERBOARD
	Tick the appropriate data field to show which types of materials were
Material	dumped. Only a maxium of two materials ifmore than one material type
Material	dumped 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
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;
	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
	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.
	The boat could be a size reference - e.g.: it was 4 times bigger than the boat.
	Abandoned or Lost Fishing Gear
-	There is no tick box. Indicate the source of the abandoned/ lost fishing gear by completing the information for the corresponding row of information. For instance if the source is 'lost
Source	during fishing' fill in the activity, describe gear, and estimate quantity on the line to the right
	of 'lost during fishing'.
	Use this line if the gear was accidentally lost from the observer's vessel
Source - Lost during fishing	during this trip and the vessel tried to search and recover the gear.
	Use this line if the gear was <u>deliberately</u> abandoned from the observer's
Source - Abandoned	vessel during the trip, or similarly the vessel made no effort to retrive the gear.
	Use this line if the vessel deliberately dumped any fishing gear overboard
Source - Dumped	(either old fishing gear, or some of the gear that was used during the trip).
	Record your vessel's activity when gear was lost, abandoned or dumped.
Activity	This might be setting, hauling, steaming etc.
-	Given information on the gear, especially the type of materials it was made of
	(e.g. aluminium, nylon rope) and its make up - fishing net 10cm mesh, old
Describe Gear	monofilament branchline, no hooks
Estimate Quantifty	Refer to the total area in square meters. Mention the length, breadth and width.

# SPC/FFA REGIONAL OBSERVER POLLUTION REPORT

REVISED Dec. 2016

**FORM GEN-6** 

OBSERVER NAME						SELNAI	МЕ			OBSERVER ID NUMBER					OF	
- fi										!!.	14					
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YY	ММ	DD	hh	mm	(dd	mm.mm	m')		(dd	dmm.mmn	n')	•				
WIND DIRECTION WIND SPEED						CONDIT C, S, M , F		CUR	RENT : (k	ents and dire	ection°)	OBSERVER'S VESSEL ACTIVITY				
NAME OF OFFENDING VESSEL					IR	IRCS TYPE OF V					OUR POSITI mpass Bear			FENDING ance (nauti		
WASTE DUMPED OVERBOARD																
Material	Tick ead that ap			I	Describ	е Туре					Des	cribe	e Quant	ity		
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Meta	als															
Wast	te oil															
Chem	ricals															
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(within 1	2 miles	describe	e:													
of shor	reline)					AII SP	ILLAGE	S AND	ΙΕΛΚΛ	GES						
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Other - p																
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Lost dur	ing fishir	ng														
Abandor																
Dumped	I															
Other co.	mments:															
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Did you	_		_										-0*****		Υ /	
If yes, p	olease si	tate t	he num	ber(s)	of the	phot	o fram	es 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 less than 50 nautical miles (nm) from shore. It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the shore, unless the vessel has a machine on-board (comminuter) to shred and treat the waste. In this case they can release the treated garbage up to 3 nm from the shore.

### **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	Dut East and Sept and Joseph Boards
<u> </u>	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
Time (00.00 hrs)	Date pollution seen in year, month and day.  Report the time using the 24hr clock  Observer data collection forms
<u> </u>	Troport the time doing the 2 mil clock.
Latitude / Longitude EEZ / Harbour	Record the GPS position of the host vessel when the pollution was first seen.
<b></b>	Record the EEZ or, for shorebase staff, mark port or Harbour name here.
Wind Speed	The prevailing wind direction. Use degree eg. 90 degrees for an east wind
Wind Speed Sea Conditions	Record the prevailing wind speed.
<b></b>	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 theoffending vessel from the obs.'
vessel.	vessel. The radar can be used to get an extact distance in nautical miles.
	Otherwise give your best estimate.
	WASTE DUMPED OVERBOARD  Tick the appropriate data field to show which types of materials were
***************************************	dumped. Only a maxium of two materials ifmore than one material type
Material	dumped over at the same time - e.g.: it dumped plastic and metal at
7000000	10:00hrs. If plastic was dumped at 10:00hrs and metal at 16:00hrs - record
	Give as good a description as possible of the type of dumped material.
Describe type	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags;
	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 Quantities	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
	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.
	Give a best estimate of the size of the spill.
Describe Area and Quantity	The boat could be a size reference - e.g.: it was 4 times bigger than the boat.
	Abandoned or Lost Fishing Gear
	There is no tick box. Indicate the source of the abandoned/ lost fishing gear by completing
Source	the information for the corresponding row of information. For instance if the source is 'lost
7	during fishing' fill in the activity, describe gear, and estimate quantity on the line to the right of 'lost during fishing'.
	Use this line if the gear was <u>accidentally</u> lost from the observer's vessel
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Source Dummed	(either old fishing gear, or some of the gear that was used during the trip).
Source - Dumped	
A - 45 54	Record your vessel's activity when gear was lost, abandoned or dumped.
Activity	This might be setting, hauling, steaming etc.  Given information on the goar, especially the type of materials it was made of
***************************************	Given information on the gear, especially the type of materials it was made of
Describe Gear	(e.g. aluminium, nylon rope) and its make up - fishing net 10cm mesh, old monofilament branchline, no hooks
Estimate Quantifty	Refer to the total area in square meters. Mention the length, breadth and width.
(Estimate Ciliantiff)	relet to the total area in square infeters. Werthor the length, breathi and width.

#### SPC/FFA REGIONAL OBSERVER **FORM GEN-6** POLLUTION REPORT 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 E/W N/S ΥY ΜМ DD mm (ddmm.mmm') (dddmm.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 describe: (within 12 miles 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 specifity 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?

Y / N Y / N

If yes, please state the number(s) of the photo frames or files.

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Your positon from offending	vessel. The radar can be used to get an extact distance in nautical miles.
vessel.	Otherwise give your best estimate.
WASTE DUMPED OVERBOARD	
	Tick the appropriate data field to show which types of materials were
B. G. C.	dumped. Only a maxium of two materials ifmore than one material type
Material	dumped 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
Describe type	Give as good a description as possible of the type of dumped material.
Describe type	E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags;
	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 Quantities	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
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.
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Describe Area and Quantity	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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Source	the information for the corresponding row of information. For instance if the source is 'lost
	during fishing' fill in the activity, describe gear, and estimate quantity on the line to the right of 'lost during fishing'.
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Source - Abandoned	vessel during the trip, or similarly the vessel made no effort to retrive the gear.
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Source - Dumped	
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Activity	This might be setting, hauling, steaming etc.
***************************************	Given information on the gear, especially the type of materials it was made of
Describe Gear	(e.g. aluminium, nylon rope) and its make up - fishing net 10cm mesh, old monofilament branchline, no hooks
Estimate Quantifty	Refer to the total area in square meters. Mention the length, breadth and width.

# SPC/FFA REGIONAL OBSERVER TRIP RECONCILIATION

FORM SUP-3

REV. Dec 2016									
OBSERVER NAME	VESSEL NAME	VESSEL CALL-SIGN	OBSERVER TRIP ID No.						

	TRAVEL DETAILS									
EVENT	DEPART	URE		ARRIV	/AL		ACTIV- ITY	DAYS	COMMENTS	
CODE	PLACE OR VESSEL	DATE	TIME	PLACE OR VESSEL	DATE	TIME	CODE	DATS	COMMENTS	

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

### **EVENT CODES**

#### **ACTIVITY CODES**

EVENTOODEO		ACTIVITI CODEC	
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 **FORM** SUP-4 **ADVANCES and CLAIMS FORM** REV DEC. 2016 OBSERVER NAME VESSEL NAME **IRCS** PAGE **ADVANCES** Advance Claim SIGNATURE State TYPE of NAME OF OBSERVER Ref No. Curr-NAME OF PERSON (of person PROGRAMME or FISHING ADVANCE (i.e. Amount **ADV Observer Trip** PROVIDING ADVANCE making ency **COMPANY MAKING ADVANCE** cash /other) ID No # advance) 1 2 3 4 5 6 7 8 9 10 **OBSERVER EXPENSE CLAIMS FOR REIMBURSEMENT** Claim item [number (#) each receipt] Claim item [number (#) each receipt] Curr-Curr-Amount Amount ency ency EXP# Description # Description 1 13 2 14 3 15 4 16 5 17 6 18 7 19 8 20 9 21 10 22 11 23 12 24 one box only: Please make payments to: (payee's name) observer's signature (branch) (bank) (account number) Tick Please arrange for funds to be available on presentation of passport Written report and ..... (hand caried, courier, express mail, etc.) On (date) data was sent by: ed mail

I certify that the expense claims and dates of travel and sea days are a true account of expenses and dates of travel; and I verify that my independent report and data collection is a true and correct record of my observations onboard the vessel

SIGNED: Date:

New for 2016: 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
Reference	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.
(of person making	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**

- 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.
- 2. 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. <a href="https://www.numbered.numbered">unused airline tickets</a>. Send the envelope with work books. <a href="https://www.numbered.numbered.numbered">unused airline tickets</a>. Send the envelope with work books. <a href="https://www.numbered.numb
- 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 MAIL
   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 during 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.
- If the tag was traded and the tagged fish was recaptured by another fishing vessel that the one you are observing on, please note the information in the general comment section of the form.
- 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 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: Lyndsay Mundri)

#### 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: Erick Largacha)

#### **Federated States of Micronesia**

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

#### 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 / Tataua Rabunataai)
- 2. Ministry of Fisheries & Marine Resource Development, CHRISTMAS ISLAND (Contact: Taratau Kirata)

#### Korea

1. 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)

#### Palau

 Bureau of Marine Resources KOROR (Contact: Kathy Sisior)

#### Papua New Guinea

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

#### 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)
- 3. 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 / Harold Vilia)
- 2. Forum Fisheries Agency HONIARA (Contact: Ambrose Orianihaa)
- Soltai Fishing NORO (Contact: Solomon Kakana)
- 4. 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

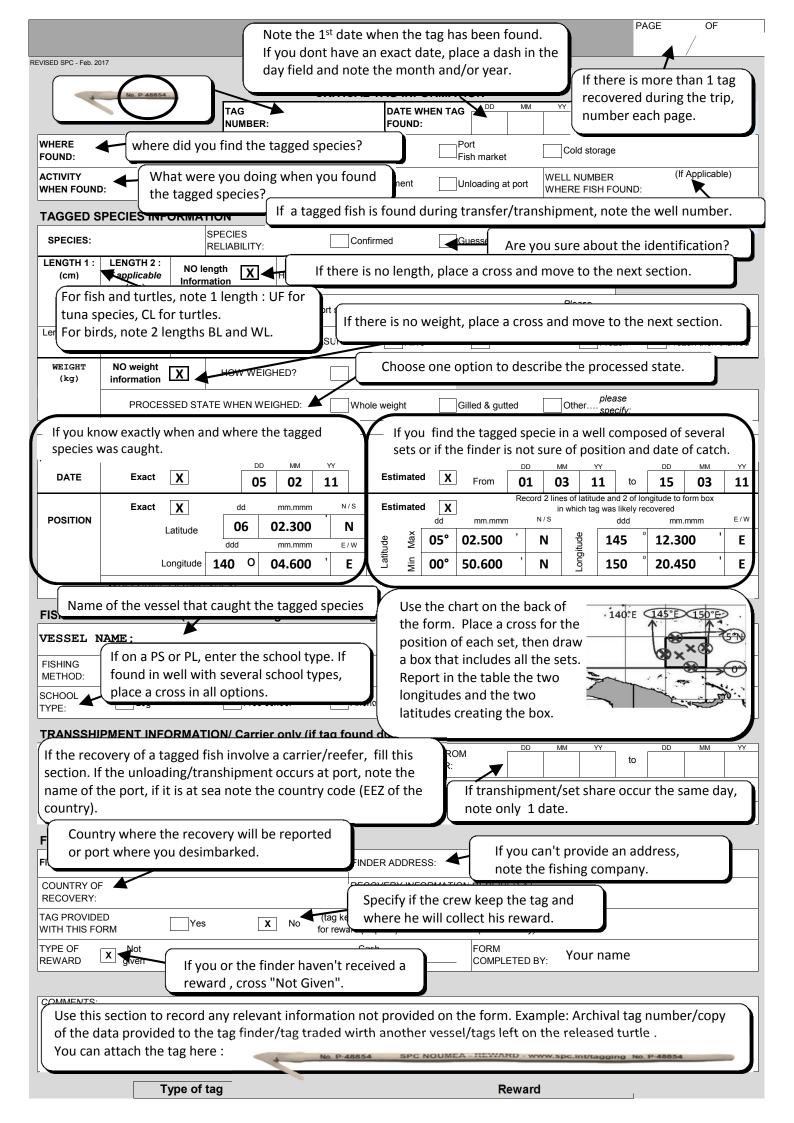
 Thailand Department of Fisheries, SAMUTSAKOM (Contact: Suwimon Keerativiriyaporn)

#### **United States of America**

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

#### Vietnam

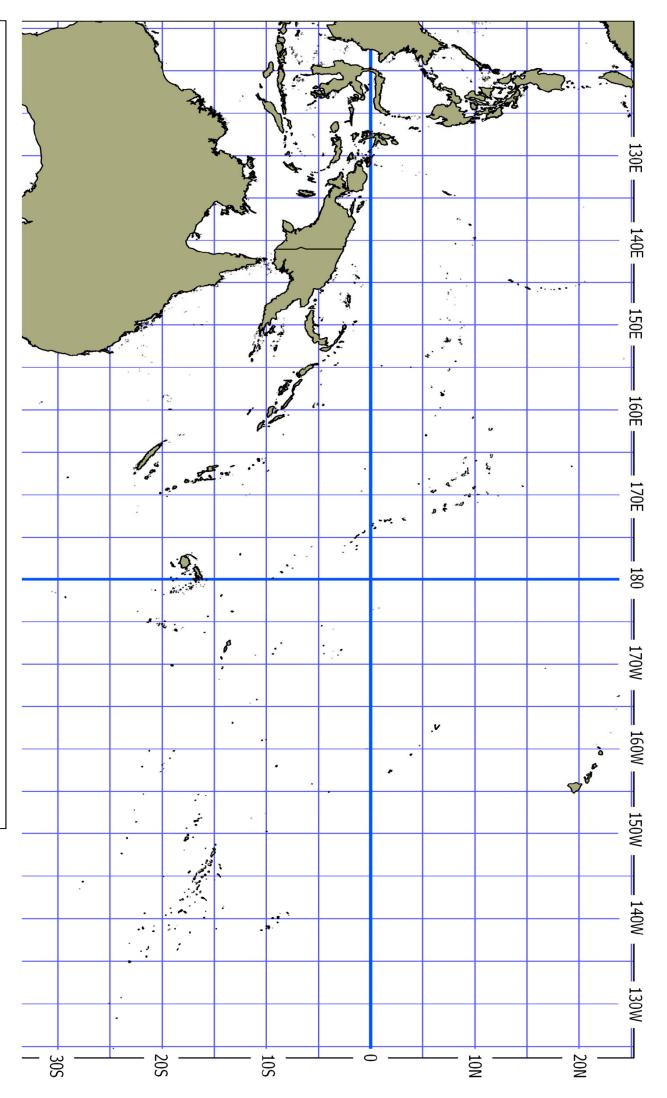
- 1. Phu Yen Province (Contact: Le Duc Tuong)
- 2. Binh Dinh Province (Contact: Nguyen Duy Lam)
- 3. Khanh Hoa Province (Contact: Vo Khac En)



### 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? WELL NUMBER (If Applicable) WHERE FISH FOUND:						
TAG NUMBER: FORK LENGTH cm	NO length Information	SPECIES: X SKJ BET YFT C  HOV Select the species code imated HOW WEIGHED?  Measuring Estimated WHOW WEIGHED?  Measuring Estimated WHOW WEIGHED?  Measuring Estimated WHOW WEIGHED?  Measuring Estimated WHOW WEIGHED?  Measuring WHOW WEIGHED?						
TAG NUMBER: FORK LENGTH cm FISH WEIGHT	P-234587  NO length Information  NO weight information	SPECIES: SKJ BET YFT Other please specify: Confirmed Guessed  HOW MEASURED? Measuring tool PROC WHE Are you sure about the identification?  HOW WEIGHED? Measuring Estimated PROCESSED STATE Whole Gilled & Other						
TAG NUMBER: FORK LENGTH 65 cm	Note the size of	SPECIES: SKJ BET YFT Other please specify:  the fish, round down to the nearest cm (Eg: 65.7cm=65						
measured v	ze and weight	weight of the fish (Eg: 1.8 kg).  mated  PROCESSED STATE WHEN WEIGHED:  Select 'Fresh' for a tagged fish caught during fishing time.  Select 'Fresh' for a tagged fish caught during fishing time.  Select 'Frozen' if found during well transfer/unloading.  HOW WEIGHED?  Measuring Lestimated  PROCESSED STATE WHOLE Gilled & Other  Whole Gilled & Other						
TAG NUMBER: FORK LENGTH	NO length	Select the processed state  Select the processed state of the fish when weighed.  If there is no length, place a cross and move to the next section.						
FISH WEIGHT Kg	NO weight information	If there is no weight, place a cross and move to the next section.						
TAG NUMBER: FORK LENGTH	P-195236	SPECIES: X SKJ BET YFT Other please specify:  Decomposed Specify:  Decomposed Specify:						
<b>46</b> ст FISH WEIGHT <b>1</b> Кд	NO length Information  NO weight information	HOW MEASURED?    Measuring tool   Estimated   PROCESSED STATE WHEN MEASURED:						
TAG NUMBER:	P-278564	SPECIES: SKJ BET X YFT Other please specify: IDENTIFICATION: Guessed						
85 cm FISH WEIGHT 5.9 Kg	NO length Information  NO weight information  WHEN TO US	HOW MEASURED?    Measuring   Estimated   PROCESSED STATE WHEN   MEASURED:   X   Fresh   Frozen						
	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.



Please use this map of the Pacific Ocean with a grid of 5 squares to determine where the tagged species has been caught (Point or area)

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 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 and minimum latitute and longitude on the first page.

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

		SINGLE	TAG RECO	ERY FORM	1	PAGE OF				
EVISED SPC - Feb. 201	EVISED SPC - Feb. 2017 CRITICAL TAG INFORMATION									
	TAG DATE WHEN TAG YY MM DD NUMBER: FOUND:									
WHERE FOUND:	Fishing	Reefer Carrie	/ Transfer /	Port Fish market	Cold storage					
ACTIVITY WHEN FOUND:	Fishing	Well transfer	Transhipment	Unloading at port	WELL NUMBER WHERE FISH FOUN	(If Applicable)				
TAGGED SF	PECIES INFORMATION	I								
SPECIES:		CIES IABILITY:	Confirmed	Guessed						
LENGTH 1 : (cm)	LENGTH 2 :  if applicable (cm)  NO length Information	HOW MEASUR	RED? Me	asuring tool Est	imated					
	WHO MEAS	URED? Port sa	ampler Obs	erver Ott	Please nerspecify:					
Length 1 code:	Length 2 code: PROCESS	ED STATE WHEN MEASUR	EED: Alive	Fresh and d		Frozen then thawed				
WEIGHT: (kg)	NO weight Information	V WEIGHED?	Measuring tool	Estimated						
	PROCESSED STATE WHEN	WEIGHED:	Whole weight	Gilled & gutted	Other Please specify:					
TAGGED SF	PECIES CATCH INFOR	MATION / Date and p	osition when tag	ged species was c	aught by the fish	ing vessel				
DATE	Exact	YY MM DD	Estimated	From	MM DD to	YY MM DD				
	Exact		N/S Estimated		in which tag was likel					
POSITION	Latitude	ddd mm.mmm	Max under Merican Max	d mm.mmm	ap ddd	mm.mmm E/W				
	Longitude	0 ,	Min Max	0 ,	Longitude	0 ,				
	or DESCRIBE FISHING ARE	EA (If NO Lattitude and longit								
FISHERY IN	FORMATION (Catcher	/ Fishing vessel that	caugth the tagge	d species)						
VESSEL NAME	:		FL	AG:						
FISHING METHOD:	Longline	Purse seine	Troll	Handline	Gill net Other	:				
SCHOOL TYPE:	Log	Free school	Anchored FAD	Drifting FAD	FAD no:					
TRANSSHIP	MENT INFORMATION	/ Carrier only (fill this	section only if tagge	ed species found du	_					
NAME OF CARRIER:		FLA(4.	OF TRANSSHIPMENT IG VESSEL TO CARRI		MM DD to	YY MM DD				
	TRANSSHIPMENT VESSEL TO CARRIER	TRAN: POSIT	Latitude Los	d mm.mmm N	Longitude S/	mm.mmm E/W				
FINDER INF	ORMATION / finder de	etails for lottery								
FINDER NAME			FINDER ADDRESS:							
COUNTRY OF RECOVERY:				IATION RECEIVED AT/0 Agency name/vessel name						
TAG PROVIDED	YAS	I INO . S		pecify expected reward for finder (Port/Country)						
TYPE OF REWARD:	Not T-shirt	Сар	Cash - amount:	FORM COMPLETED B	Y:					
COMMENTS:	IF A TAC	GGED TURTLE / TAGGED E	SIRD WAS RELEASED	ALIVE, DID YOU LEAVE	THE TAGS ON ? Spe	cify below.				
ARCHIVAL TA	G NUMBER (If applicable):									
	Type of tag	Orange tag or Green ta	0.00	Reward	Cap or T-shirt					

		SINGLE	TAG RECO	ERY FORM	1	PAGE OF				
EVISED SPC - Feb. 201	EVISED SPC - Feb. 2017 CRITICAL TAG INFORMATION									
	TAG DATE WHEN TAG YY MM DD NUMBER: FOUND:									
WHERE FOUND:	Fishing	Reefer Carrie	/ Transfer /	Port Fish market	Cold storage					
ACTIVITY WHEN FOUND:	Fishing	Well transfer	Transhipment	Unloading at port	WELL NUMBER WHERE FISH FOUN	(If Applicable)				
TAGGED SF	PECIES INFORMATION	I								
SPECIES:		CIES IABILITY:	Confirmed	Guessed						
LENGTH 1 : (cm)	LENGTH 2 :  if applicable (cm)  NO length Information	HOW MEASUR	RED? Me	asuring tool Est	imated					
	WHO MEAS	URED? Port sa	ampler Obs	erver Ott	Please nerspecify:					
Length 1 code:	Length 2 code: PROCESS	ED STATE WHEN MEASUR	EED: Alive	Fresh and d		Frozen then thawed				
WEIGHT: (kg)	NO weight Information	V WEIGHED?	Measuring tool	Estimated						
	PROCESSED STATE WHEN	WEIGHED:	Whole weight	Gilled & gutted	Other Please specify:					
TAGGED SF	PECIES CATCH INFOR	MATION / Date and p	osition when tag	ged species was c	aught by the fish	ing vessel				
DATE	Exact	YY MM DD	Estimated	From	MM DD to	YY MM DD				
	Exact		N/S Estimated		in which tag was likel					
POSITION	Latitude	ddd mm.mmm	Max under Merican Max	d mm.mmm	ap ddd	mm.mmm E/W				
	Longitude	0 ,	Min Max	0 ,	Longitude	0 ,				
	or DESCRIBE FISHING ARE	EA (If NO Lattitude and longit								
FISHERY IN	FORMATION (Catcher	/ Fishing vessel that	caugth the tagge	d species)						
VESSEL NAME	:		FL	AG:						
FISHING METHOD:	Longline	Purse seine	Troll	Handline	Gill net Other	:				
SCHOOL TYPE:	Log	Free school	Anchored FAD	Drifting FAD	FAD no:					
TRANSSHIP	MENT INFORMATION	/ Carrier only (fill this	section only if tagge	ed species found du	_					
NAME OF CARRIER:		FLA(4.	OF TRANSSHIPMENT IG VESSEL TO CARRI		MM DD to	YY MM DD				
	TRANSSHIPMENT VESSEL TO CARRIER	TRAN: POSIT	Latitude Los	d mm.mmm N	Longitude S/	mm.mmm E/W				
FINDER INF	ORMATION / finder de	etails for lottery								
FINDER NAME			FINDER ADDRESS:							
COUNTRY OF RECOVERY:				IATION RECEIVED AT/0 Agency name/vessel name						
TAG PROVIDED	YAS	I INO . S		pecify expected reward for finder (Port/Country)						
TYPE OF REWARD:	Not T-shirt	Сар	Cash - amount:	FORM COMPLETED B	Y:					
COMMENTS:	IF A TAC	GGED TURTLE / TAGGED E	SIRD WAS RELEASED	ALIVE, DID YOU LEAVE	THE TAGS ON ? Spe	cify below.				
ARCHIVAL TA	G NUMBER (If applicable):									
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TAGGED SF	PECIES INFORMATION	I								
SPECIES:		CIES IABILITY:	Confirmed	Guessed						
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FINDER NAME			FINDER ADDRESS:							
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ARCHIVAL TA	G NUMBER (If applicable):									
	Type of tag	Orange tag or Green ta	0.00	Reward	Cap or T-shirt					

#### PAGE OF SPC MULTIPLE TAG RECOVERY FORM MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM THE SAME SET or THE SAME WELL REVISED SPC -Feb 2017 "When the tag is removed from the fish, DATE WHEN TAG FOUND: be sure none of it remains inside the fish" WHERE Fishing Port Reefer / Transfer / Cold storage FOLIND: vessel Carrier Fish market (If Applicable) ACTIVITY WELL NUMBER Fishing Well transfer Transhipment Unloading at port WHEN FOUND: WHERE FISH FOUND: FISH IDENTIFICATION: TAG SPECIES: BET Please SKJ Other Guessed Confirmed NUMBER: specify. FORK LENGTH Measuring NO length HOW STATE WHEN MEASURED Other Estimated Fresh Frozen Observer MEASURED: MEASURED: Information tool BY: FISH WFIGHT NO weight HOW Measuring STATE WHEN Whole weight Gilled & gutted Estimated Other kg: information WEIGHED: WEIGHED: FISH IDENTIFICATION: TAG Please SPECIES: BET SKJ Other Confirmed Guessed NUMBER: specify. FORK LENGTH NO length HOW STATE WHEN MEASURED Measuring Frozen Other Observer Estimated Fresh MEASURED: Information MEASURED: FISH WEIGHT NO weight HOW Measuring STATE WHEN Gilled & gutted Whole weight Estimated Other kg: WEIGHED: WEIGHED: information FISH IDENTIFICATION: TAG Please SPECIES: BET Other SK.J Confirmed Guessed NUMBER: specify FORK LENGTH NO length HOW Measuring STATE WHEN MEASURED Fresh Other Frozen Estimated Observer MEASURED: MEASURED: Information FISH WEIGHT NO weight HOW STATE WHEN Measuring Whole weight Gilled & gutted Estimated Other kg: information WEIGHED: WEIGHED: FISH IDENTIFICATION TAG Please SPECIES: SKJ BET Other Confirmed Guessed NUMBER: specify FORK **LENGTH** NO length HOW STATE WHEN MEASURED Measuring Frozen Other Estimated Fresh Observe MEASURED: MEASURED: Information FISH WEIGHT NO weight HOW STATE WHEN Measuring Gilled & gutted Whole weight Other Estimated kg: WEIGHED: WEIGHED: information FISH IDENTIFICATION: TAG Please SPECIES: SK.J BET Other Confirmed Guessed NUMBER: specify FORK **LENGTH** NO length HOW Measuring STATE WHEN MEASURED Frozen Othe Estimated Fresh Observe cm: MEASURED: MEASURED: Information tool FISH WEIGHT NO weight HOW STATE WHEN Measuring Whole weight Estimated Gilled & autted Other kg: information WEIGHED: WEIGHED FISH IDENTIFICATION: TAG Please SPECIES: SK.J BET Other Confirmed Guessed NUMBER: specify FORK LENGTH NO length HOW Measuring STATE WHEN MEASURED Estimated Fresh Frozen Observe Othe MEASURED: MEASURED: FISH WEIGHT NO weight HOW Measuring STATE WHEN Whole weight Gilled & gutted Other Estimated kg: information WEIGHED: WEIGHED FISH IDENTIFICATION: TAG Please SPECIES: BET Other Guessed SKJ Confirmed NUMBER: specify FORK LENGTH NO length HOW STATE WHEN MEASURED Measuring Othe Estimated Fresh Frozen Observe ст: Information MEASURED: tool MEASURED: FISH WEIGHT NO weight HOW Measuring STATE WHEN Whole weight Gilled & gutted Estimated Other kg: information WEIGHED: WEIGHED: FISH IDENTIFICATION TAG Please SPECIES: BET SKJ Other Confirmed Guessed NUMBER: specify FORK LENGTH NO length HOW Measuring STATE WHEN MEASURED Estimated Fresh Frozen Observe Other cm: Information MEASURED: MEASURED: tool FISH WEIGHT NO weight HOW Measuring STATE WHEN Estimated Whole weight Gilled & gutted Other kg: WEIGHED: WEIGHED: information tool

FISH CATO	CH INFORMATION	I / Date and position		was caugh	t by the	fishing v	essel					
DATE	Exact	YY MM	DD	Estimated		From	Y !	MM [	to	YY	MM	DD
	Event		nm N/S	Eatimated					2 of longitude		ea of catch	(box)
POSITION	Exact	dd mm.mn	1 1473	Estimated		mm.mmm	N/S	in which ta	g was likely r		.mmm	E/W
	Latitude	ddd mm.mn	nm E/W	Latitude Ain Max	0	. '		Longitude			. '	
	Longitud	le o	'	Latii Min	0	. '		Long	•		. '	
	or DESCRIBE FISHIN	IG AREA (If NO Lattitude a	and longitude pr	rovided above):	·							
FISHERY II	NFORMATION (Ca	atcher / Fishing ves	sel that cau	ught the tag	ged fish	1)						
VESSEL NAM	E:			FL	.AG:							
FISHING METHOD:	Longline	Purse seine	Troll		Handline	e		Gill	net Other:			
SCHOOL TYPE:	Log	Free school	Anchore	ed FAD	Drifting I	FAD	FAD no	:				
TRANSSHI	PMENT INFORMA	ATION/ Carrier only	(fill this se	ction only if	tags fo							
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ARCHIVAL T	AG NUMBER (If applica	ible):										

Type of tag	Reward	
Yellow tag, Orange tag or Green tag	<ul> <li>10\$ or Cap or T-shirt</li> </ul>	
Internal archival tag	- 250\$	

#### PAGE OF SPC MULTIPLE TAG RECOVERY FORM MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM THE SAME SET or THE SAME WELL REVISED SPC -Feb 2017 "When the tag is removed from the fish, DATE WHEN TAG FOUND: be sure none of it remains inside the fish" WHERE Fishing Port Reefer / Transfer / Cold storage FOLIND: vessel Carrier Fish market (If Applicable) ACTIVITY WELL NUMBER Fishing Well transfer Transhipment Unloading at port WHEN FOUND: WHERE FISH FOUND: FISH IDENTIFICATION: TAG SPECIES: BET Please SKJ Other Guessed Confirmed NUMBER: specify. FORK LENGTH Measuring NO length HOW STATE WHEN MEASURED Other Estimated Fresh Frozen Observer MEASURED: MEASURED: Information tool BY: FISH WFIGHT NO weight HOW Measuring STATE WHEN Whole weight Gilled & gutted Estimated Other kg: information WEIGHED: WEIGHED: FISH IDENTIFICATION: TAG Please SPECIES: BET SKJ Other Confirmed Guessed NUMBER: specify. FORK LENGTH NO length HOW STATE WHEN MEASURED Measuring Frozen Other Observer Estimated Fresh MEASURED: Information MEASURED: FISH WEIGHT NO weight HOW Measuring STATE WHEN Gilled & gutted Whole weight Estimated Other kg: WEIGHED: WEIGHED: information FISH IDENTIFICATION: TAG Please SPECIES: BET Other SK.J Confirmed Guessed NUMBER: specify FORK LENGTH NO length HOW Measuring STATE WHEN MEASURED Fresh Other Frozen Estimated Observer MEASURED: MEASURED: Information FISH WEIGHT NO weight HOW STATE WHEN Measuring Whole weight Gilled & gutted Estimated Other kg: information WEIGHED: WEIGHED: FISH IDENTIFICATION TAG Please SPECIES: SKJ BET Other Confirmed Guessed NUMBER: specify FORK **LENGTH** NO length HOW STATE WHEN MEASURED Measuring Frozen Other Estimated Fresh Observe MEASURED: MEASURED: Information FISH WEIGHT NO weight HOW STATE WHEN Measuring Gilled & gutted Whole weight Other Estimated kg: WEIGHED: WEIGHED: information FISH IDENTIFICATION: TAG Please SPECIES: SK.J BET Other Confirmed Guessed NUMBER: specify FORK **LENGTH** NO length HOW Measuring STATE WHEN MEASURED Frozen Othe Estimated Fresh Observe cm: MEASURED: MEASURED: Information tool FISH WEIGHT NO weight HOW STATE WHEN Measuring Whole weight Estimated Gilled & autted Other kg: information WEIGHED: WEIGHED FISH IDENTIFICATION: TAG Please SPECIES: SK.J BET Other Confirmed Guessed NUMBER: specify FORK LENGTH NO length HOW Measuring STATE WHEN MEASURED Estimated Fresh Frozen Observe Othe MEASURED: MEASURED: FISH WEIGHT NO weight HOW Measuring STATE WHEN Whole weight Gilled & gutted Other Estimated kg: information WEIGHED: WEIGHED FISH IDENTIFICATION: TAG Please SPECIES: BET Other Guessed SKJ Confirmed NUMBER: specify FORK LENGTH NO length HOW STATE WHEN MEASURED Measuring Othe Estimated Fresh Frozen Observe ст: Information MEASURED: tool MEASURED: FISH WEIGHT NO weight HOW Measuring STATE WHEN Whole weight Gilled & gutted Estimated Other kg: information WEIGHED: WEIGHED: FISH IDENTIFICATION TAG Please SPECIES: BET SKJ Other Confirmed Guessed NUMBER: specify FORK LENGTH NO length HOW Measuring STATE WHEN MEASURED Estimated Fresh Frozen Observe Other cm: Information MEASURED: MEASURED: tool FISH WEIGHT NO weight HOW Measuring STATE WHEN Estimated Whole weight Gilled & gutted Other kg: WEIGHED: WEIGHED: information tool

FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel												
DATE	Exact	YY MM	DD	Estimated		From	Y !	MM [	to	YY	MM	DD
	Event		nm N/S	Estimated					2 of longitude		ea of catch	(box)
POSITION	Exact	dd mm.mn	1 1473	Estimated		mm.mmm	N/S	in which ta	g was likely r		.mmm	E/W
	Latitude	ddd mm.mn	nm E/W	Latitude Ain Max	0	. '		Longitude			. '	
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FISHERY II	NFORMATION (Ca	atcher / Fishing ves	sel that cau	ught the tag	ged fish	1)						
VESSEL NAM	E:			FL	.AG:							
FISHING METHOD:	Longline	Purse seine	Troll		Handline	e		Gill	net Other:			
SCHOOL TYPE:	Log	Free school	Anchore	ed FAD	Drifting I	FAD	FAD no	:				
TRANSSHI	PMENT INFORMA	ATION/ Carrier only	(fill this se	ction only if	tags fo							
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ALL TAGS PR WITH THIS FO	1 176	es No	(tags kept by for reward po			fy expected inder (Port/C						
TYPE OF REWARD	Not T-	-shirt Cap	Cas	sh mount:		FORM COMPLETE	D BY:					
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FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel												
DATE	Exact	YY MM	DD	Estimated		From	Y !	MM [	to	YY	MM	DD
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POSITION	Exact	dd mm.mn	1 1473	Estimated		mm.mmm	N/S	in which ta	g was likely r		.mmm	E/W
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	Longitud	le o	'	Latii Min	0	. '		Long	•		. '	
	or DESCRIBE FISHIN	IG AREA (If NO Lattitude a	and longitude pr	rovided above):	·							
FISHERY II	NFORMATION (Ca	atcher / Fishing ves	sel that cau	ught the tag	ged fish	1)						
VESSEL NAM	E:			FL	.AG:							
FISHING METHOD:	Longline	Purse seine	Troll		Handline	e		Gill	net Other:			
SCHOOL TYPE:	Log	Free school	Anchore	ed FAD	Drifting I	FAD	FAD no	:				
TRANSSHI	PMENT INFORMA	ATION/ Carrier only	(fill this se	ction only if	tags fo							
NAME OF CARRIER:		FLAG:		RANSSHIPMEN ESSEL TO CARI		Y	Y !	1 MM	to	YY	MM	DD
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COUNTRY OF RECOVERY:	:			COVERY INFOR			AT					
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Type of tag	Reward	
Yellow tag, Orange tag or Green tag	<ul> <li>10\$ or Cap or T-shirt</li> </ul>	
Internal archival tag	- 250\$	

# SPC/FFA REGIONAL OBSERVER

# LONGLINE OBSERVER TRIP REPORT

OBSERVER NAME:	
VESSEL NAME:	
Date of Departure:	Date of Arrival:
Port of departure:	Port of arrival:
	SPC / FFA DEC 2016
Observ	er Programme:

Date report received: ..... (for administrative use only

### 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 vessel safety check (See Sup 1 page 1). If yes describe how it was 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 the number of fishing operations fully monitored by the observer. Explain if an unusual number of fishing operations were not observed. What was the average number of hooks set per fishing operation? Describe any extraordinary events - major breakdowns, serious injuries, rescues of others, etc. 2.1 Area fished Give a general description of the areas fished (e.g.: east of Outlook Atoll or south-east of Viti Levu) or a range in latitudes and 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 programmes staff to disembark the vessel or another person?
3.0 DATA COLLECTED
The SPC/FFA Regional Longline Observer data collection forms were used during the trip. Remember to mark the number of pages used for each form type on the SUP-2 form (Workbook Reference Form).
If any of regional standard forms were not used explain the reasons why here.

## 3.1 Other Data Collected

Mention any other type of forms that you were asked to fill in and explain what type of data was collected these forms.	:a (
4.0 CHAIN OF CUSTODY  Were you involved in any Chain of Custody (Marine Stewardship Council) or catch documentation scheme duties? Describe the programme you were involved in, your role and mention how successful the trip was a f the COC requirements were fulfilled.	and

# 5.0 VESSEL AND CREW DETAILS

## **5.1** General Vessel Information

characteristics that have not been	ote the reason/s why here. el details was discovered record those details here. Note any further vessel recorded onto the LL-1 form – possible examples include: vessel age (GRT) and gross tonnage (GT); length (overall), storage capacity of the
out some extra information about crev	he crew nationality data fields note the reason why here. Also, if you found w nationality record those details here. Did any crew leave or join the vessel re 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	
of a piece of equipment that the Captain value generally in good condition, or were they	ta fields explain the reason why here. ctronics that may be useful (e.g.: it may be useful to describe the use was using in a unique or special way.) Were the vessel electronics mostly old? Explain if there were any problems understanding the e any significant advances with any of the electronics or if there were

5.4 Fishing Gear	
If unable to fill in some of the fishing gear data fields, explain why here. Also record extra information about the fishing gear that may be useful (e.g.: it may be us of a piece of equipment that the Captain was using in a unique or special way.) What s used on the vessel? Was it in a good mechanical order? Was it mostly new or old gear? breakdowns with the fishing gear during the trip? Make a note if you didn't understand data fields.	ort of fishing gear was Were there any serious

5.4.1 Mainline
Explain here if you were unable to get all necessary information on the mainline. Also explain if there is any new and interesting information about the mainline. Note the total length of the mainline that was available for use in a set (if extra replacement line is kept in storage, describe this separately). How are these values obtained? What sort of material was used in the mainline and what was its diameter? Explain if there was anything about the fishing gear data fields that was difficult to understand. Not sure there is no data field for strength? May be an extra information observers should be collected?
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 and diameter and each type of material used to make up the branchline. Were wire traces included on all branchlines? How were the branchlines attached to the mainline? Draw a branchline, showing the lengths and 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 were attached to the mainline and the average number used during each set. Explain any aspects of branchline information data collection that were difficult to understand.

5.4.3 Float lines
s there any interesting information about the float lines? Describe the average length and type of material used o make up the float line. Did the length of the float lines change during trip?
5.4.4 Branchline weights  Vere there any branchline weights added to the branchline. If so, describe the type of branchline, weight (in rams) that was used (safe, lumo lead, weighted swivel or others) and how far they were placed from the hook.

#### 5.4.5 Fish hooks

Write a short note describing the types and sizes of the hooks that were used by the vessel. Use the 'Longline Terminal Gear Identification Guide' to help with the descriptions. Note if any Japan, Circle, J-type or Teracima hooks were used? Were more than one type of hooks used? Do you think your estimates of the percentage of hook type used is accurate, or was it difficult to get this information? For any of the hooks used further describe if any were offset, had rings or swivels inserted at the top. If different hook types were mixed on the line, describe the pattern of hook setting if possible.

If any shark lines were used to describe the hooks used in these lines.

5.5 Safety Equipment.
If unable to fill in some of the safety equipment data fields explain the reason why here. Also use this area to make any useful comments about safety equipment on board the host vessel. Describe all safety equipment available onboard. Was it in good working order and serviced regularly? Explain whether the expiry date is 'L-last date of inspection' or 'D-Due date of inspection'? Was any safety briefing given to the observer while on board the vessel? Did the observer have good access to safety equipment when onboard?
5.6 Refrigeration Method
Explain here if it wasn't possible to circle "Y" or "N" for any of the refrigeration method data fields. Also use this area to describe any new and interesting details about the refrigeration methods onboard. Discuss how the catch was stored on the vessel. Was some catch stored differently from other catch? Did the storage method change at any point during the trip?

5.7	Observations / other gear / unusual use of gear
eading. Wi hen compo mments o	tion to continue on any comments made at the bottom of the on the LL-1 form page 2 under the same rite notes on anything special observed about this boat, its various equipment, electronics, or crew ared to other boats. Write more about equipment use, expanding on the usage codes and make an any equipment that is not working, not used or is used in an unusual way.  y fishing gear that is different or new in comparison to other equipment you have seen on othe Record make, model, special characteristics and usage of this new gear / electronics.

6.0 FISHING STRATEGY
Describe the fishing strategy employed by the captain, for example, they fished where they last caught fish; information from other vessels, directed by the boat owner, using the track plotter, echo sounder, information etc.
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
temperature or sea-height and the types of equipment used to collect this information. Note the name of websites (www:) 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 and note if aspects of these information services were not understood by the observer.

# **6.4** Target Fishing Depths (depth of the line/hooks)

Was the vessel targeting a deep or shallow depth with its line? Was a line shooter used onboard? If not, explain how the distance between branchlines was assessed? Was the line shooter speed clearly displayed in meters per

	re a regular beep emitted for branchline attachment? Did the crew stick closely to this rhythm?
	to fill any of the setting interval or vessel speed data fields.  ny aspect of the setting interval data fields that are difficult to understand.
Trote if there is th	as poet of the setting interval data floras that are difficult to differential.
( = D :	
6.5 Bai	t / baiting sequence
observed on the v was bait stored?	on if any of the bait used was live bait. Describe any baiting sequence that you might have essel. Was the same baiting sequence used throughout the trip, or only some of the times? How Describe any interesting information about the bait or baiting sequence. Were the baits dyed in in detail. Was there any light sticks used during the trip, explain in detail when and where
6.6 N	Mitigation Methods

Describe in details 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, number of tori lines, weighted branchlines, blue-dyed bait, deep setting line shooter, weighted lines, underwater setting cute, management of offal discharge.) Mention what crew were involved and what their role was. Pay attention to the exact location of any mitigation

equipment and its height relative to the handrail (above or below). Mention if the setting time was influenced by the mitigation method.		
the intigation method.		
6.6.1 Fish Offal Management		
Describe fully how the vessel managed the fish offal or fish waste during the trip (including any gills and guts from processed fish, discards and bait fish). Were there any specific procedures or times for when fish offal was thrown overboard. If yes, describe what the procedures were. Mention if fish offal etc. was thrown over at any time during the setting or hauling periods. State whether this was done during all set / haul periods or just for some of them.		
6.7 Hauling Fish		
Describe how fish were hauled onboard, noting if any special equipment or techniques were used to help (e.g., tuna missile; electrocution before landing; winches to lift large species).		

6.8 Unusual Set	Details
setting specifications during luring the trip and to expan f the "unusual set details" explaining the "unusual set	fields are for recording information on any deliberate or intentional changes to the gany of the sets. Use this section to describe fully any unusual set details observed on any comments made on the LL-2/3 form.  was very different for an individual set note the start of set date and time before details" each of these sets.  I set details that are difficult to understand. (More space at back if required.)
6.9 Changes Be	tween Sets
Describe any changes to the	e gear between sets (e.g.: extra radio buoys added for certain sets). usual set details which describes changes during the set.

7.0 ENVIRONMENTAL CONDITIONS			
7.1 Weather			
Describe the weather in general during the trip or for distinctive periods of the trip.  Was it windy, rainy, cloudy, fine? What direction did the wind mostly come from and how strong; etc.  Indicate if fishing was not possible at any time because of adverse conditions.			

7.2 Sea Conditions.
Describe any usual sea conditions during the trip or during notable parts of the trip.  Include: general direction and size of the swell; sea surface temperature (if available); current direction are strength (if known); etc.
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?

8.1 Target Catch Details  that was the target species for the vessel during the trip? Was there more than one target species (to vordfish, sharks) for any, or all of the sets? Did the target species change from set to set or at any point du		
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#### 8.1.1 Target catch processing and storage

#### 8.1.3 Target catch damage

Were any of the target catch species damaged by whales, sharks, cookie cutter sharks, squid, the fishing gear or any other species? Refer to fish damages information in the SPC LL marine species ID. Give the number of target catch that were damaged for each category. Describe fully the type of damage you saw and give the reason why you listed/categorised each type of damage to either whales, sharks, squid, the vessel or any other category.
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, if 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/ Unidentified Species
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 'Code Page' for a list of all Species of Special Interest)
8.4.1 Species of special interest – landed and gear interactions
Write a report on each species of special interest landed, or any that interacted with the primary gear (mainline, branchlines and hooks). Name the species followed by the scientific name and FAO code in brackets (e.g.: green turtle ( <i>Chelonia mydas</i> , TUG). Was it difficult to identify? What was the condition of the species when landed? Explain exactly how and where on its body the creature was hooked or note if it was only tangled. How was it handled onboard? Was it let go? If so, in what condition? Were the handling guidelines for turtles followed correctly? Add some notes on species that interacted with the line, but were not landed on board.
Pay particular attention to any Oceanic White Tip Sharks (OCS) or Silky Sharks (FAL) and Manta and Mobulid (Devil) Rays (Note species identification tools for these rays have not yet been supplied to observers).
8.4.2 Species of special interest – vessel interactions.
State the code/name/scientific name for any SSI that interacted with the vessel (e.g. did any SSI swim around the vessels during hauling). Was it possible to identify these species properly? If you have any doubts about the identification give a <u>full</u> description of the id features? Pay particular attention to reporting on any oceanic white-tip sharks (OCS) or whale sharks (RHN). More notes can be written under paragraph 13.0 Vessel Trip Monitoring.

8.4.3 Species of special interest – interactions with toothed whales and dolphins
Did the vessel have problems with toothed whales (for a list of toothed whales see-tabbed section in the laspecies guide) and dolphins during the trip? Did you see any whale damaged fish? If so during how many see 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 the occur, if any? Did the Captain have any techniques for avoiding whales and dolphins?
been, if any: Did the Captain have any techniques for avoiding whates and dorphins:
8.4.4 Species of special interest – sightings
0.4.4 Species of special interest signings
Did you sight any species of special interest from the vessel? Use the sighting code in the form to help describe the sighting and species. How hard was it to identify the species? Are you confident in your identification? White identification features did you notice? How far away were the species from the vessel? Was there more than on sighting. Could you tell if there were adults and calves together?

9.0	TRANS-SHIPPMENT / TRANSFER OF CATCH
transfe shipme	shipment of catch at sea is illegal. However, some countries do allow specific longline vessels to a catch within their EEZ under specific national laws and with certain requirements. If any transfent of catch happened during the trip mention it here. Mention the total amount (in numbers) for arget species. Mention the name of the receiving vessel. Was the Gen-1 form completely filled?

10.0	OTHER PROJECTS
	10.1 Tags
conver numbe	be details if any tagged species were tagged and the condition of the tagged fish. What type of tag, ational/dart, pop-up satellite (PSATs) or regular archival tag? Were any tagged fish found? Record tag r, species, GPS position/location, length and measured weight. Did you fill the tag recovery form and all data fields? If any data fields were not filled, explain and why.
	10.2 Biological /Stomach sampling
the org and an data fo	describe and comment on any biological sampling you carried out during your trip. Mention the name of canisation that requested the sampling. Was it easy to carry out the sampling, note any problems you faced y suggestions you have to improve the sampling? Mention how/ when and to who the samples and the orms were handed to after your trip. Which biological form was used? Mention if there were any issues tanding the form or filling it completely?

10.3 Other projects				
Describe the data collected for any other special projects you were asked to carry out.  Use a new number and heading for each project (e.g. 8.3.1 Something ??? sampling) (more space at end of thi report if needed).				

#### 11.0 VESSEL TRIP MONITORING SUMMARY (GEN-3)

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 - FSMA) 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 photographs, 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 journal 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 journal. Include the full name of people involved, positions, times and dates. Also note the relevant journal 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 (RS-a, RS-b, WC-a...), see below:

#### RS) OBSERVER RIGHTS / SOCIAL BEHAVIOUR

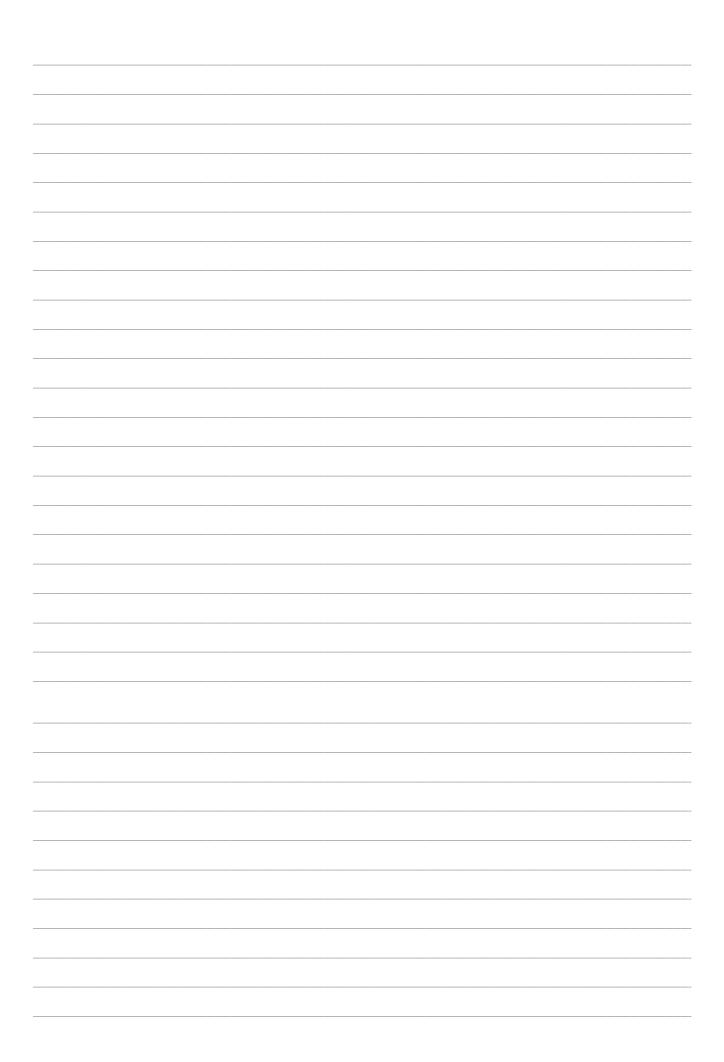
RS-a) Did the operator or any crew member assault, obstruct, resist, delay, refuse boarding to, intimidate or interfere with observer in the performance of their duties.

RS-b) Request that an event not be reported by the observer

RS-c) Mistreat other crew

RS-d) did the operator fail to provide the observer with food, accommodation, access to safety, gear,
or medical facilities of reasonable standard equivalents to those normally available to an officer on
board.

NR) NATIONAL REGULATIONS	
NR-a) Fish in areas where the vessel is not permitted to fish	
NR-b) Target species other than those they are licensed to target	
NR-c) Use a fishing method other than the method the vessel was designed or licensed to use	
NR-d) Not display or present a valid (and current) license document onboard	
NR-e) Transfer or tranship fish from or to another vessel	
NR-f) Was involved in bunkering activities	
NR-g) Fail to show fishing gear when entering areas where vessels is not authorised to fish.	



#### LP-LOGSHEET RECORDING POSITION

LP-a) Inaccurately record vessel position	on vessel logsh	eets for set, hauli	ng and catch	
LP-b) Fail to report vessel position to cou	untries, where re	quired when ente	ring and leaving	an EEZ
(crossing to or from an EEZ into or out o	f the High Seas)			

### LC - LOGSHEET RECORDING CATCH

LC-a) Inaccurately record retained 'Target Species' in the vessel logs (or weekly reports)
LC-b) Inaccurately record 'Target Species' discards
LC-c) Record species inaccurately
LC-d) Not record bycatch discards
LC-e) Inaccurately record retained bycatch species
LD-f) Inaccurately record discarded bycatch species

### WC - WCPFC CMMs

WC-a) Fail to comply with any Commission conservation and Management Measures (CMMs)
WC-b) High grade the catch
WC-c) Fish on a FAD during any FAD closure

### SI – SPECIES OF SPECIAL INTEREST (SSIs)

any Species of Speanded) with any SS		es, or protected s	harks)

#### PN - POLLUTION

PN-a) Dispose of any metals, plastics, chemical, or old fishing gear
PN-b) Discharge of any oil
PN-c) Lose any fishing gear
PN-d) Abandon any fishing gear
PN-e) Fail to report any abandoned gear


12.0	VESSEL'S OWN DATA COLLECTION:
they do th	If not what kind of logsheet are they using? Who is primarily responsible for recording the data and when do his (Captain onboard, agent on shore, other) and on what paper or book is the data written on.
A second weights, this differ	paragraph should detail the type of data that is being collected and how it is being estimated (weighted green-weighted processed weights, eye-estimates of green-weights, eye-estimates of processed weights, etc). Stress where

General information picked up casually during the trip that may be used to understand development of the fishery or for mproving observer life on board. Examples of possible headings are:  13.1 Clarify, by giving more information, about any advances you got or any expenses you are claiming.  13.2 Recommendations for observers (special problems or needs of observers on this or similar boats)  13.3 Crew information (perhaps covering salaries, general experience and background)  13.4 Photos (for any photos taken during the trip list the frame number and subject of the photo)  13.5 Your headings (perhaps could include information on new markets or markets for new target species, new fishing strategies, new processing techniques, intelligence about other licensing arrangements your vessel and/or vessel fleet have, TDR information etc)	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:  13.1 Clarify, by giving more information, about any advances you got or any expenses you are claiming.  13.2 Recommendations for observers (special problems or needs of observers on this or similar boats)  13.3 Crew information (perhaps covering salaries, general experience and background)  13.4 Photos (for any photos taken during the trip list the frame number and subject of the photo)  13.5 Your headings (perhaps could include information on new markets or markets for new target species, new fishin strategies, new processing techniques, intelligence about other licensing arrangements your vessel and/or vessel fleet have, TDR information etc)	General information picked up casually during the trip that may be used to understand development of the fishery or for mproving observer life on board. Examples of possible headings are:  13.1 Clarify, by giving more information, about any advances you got or any expenses you are claiming.  13.2 Recommendations for observers (special problems or needs of observers on this or similar boats)  13.3 Crew information (perhaps covering salaries, general experience and background)  13.4 Photos (for any photos taken during the trip list the frame number and subject of the photo)  13.5 Your headings (perhaps could include information on new markets or markets for new target species, new fishin strategies, new processing techniques, intelligence about other licensing arrangements your vessel and/or vessel fleet have, TDR information etc)	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:  13.1 Clarify, by giving more information, about any advances you got or any expenses you are claiming.  13.2 Recommendations for observers (special problems or needs of observers on this or similar boats)  13.3 Crew information (perhaps covering salaries, general experience and background)  13.4 Photos (for any photos taken during the trip list the frame number and subject of the photo)  13.5 Your headings (perhaps could include information on new markets or markets for new target species, new fishin strategies, new processing techniques, intelligence about other licensing arrangements your vessel and/or vessel fleet have, TDR information etc)		
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### 14.1 Form change recommendations

Recommend possible changes or areas on the forms that need better explanation, if any.

Do any data fields seem not to make sense or could the instructions and these guidelines be improved? Note any problems and make suggestions on how to improve these areas. This will help in future reviews of the forms (normally every two years).

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#### 16.0 ACKNOWLEDGMENTS

Provide acknowledgments to people, companies or organisations that helped organise or offered support during the trip (e.g.: fishing companies, outside observer coordinators, radio operators, vessel captain and crew, etc.)

Extra Space If Required.	
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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		e = hrs to		mal place			·s)
Set No.	Hours to set	Hours to haul	Total hooks	branchus.	floau  floau  Distance between	Length of	Vessel setting	interven	Branch-line set
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Total									
Average									

Optional Appendix 2 Catch statistics and catch fate													(fate code)	(fate code)	
Tuna						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 uneconom- ic species	Discarded shark damaged	Discarded whale damaged	Discarded gear damaged	(fate)	(fate)
YFN															
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:							

041	•					DCC	DWW	DIIC	DCC	(tate code)	DHC	(tate code)	(tate code)	tiate code)	(tate code)	(tate code)
Other sp	pecies		1	ı		RGG	RWW	RHG	RCC	(1,1)	DUS	(6.4.)		· · · · ·	(, , )	(( , )
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 uneconomic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total:																

(fate code)

(fate code)

(fate code)

(fate code)

Other sp	oecies					RGG	RWW	RHG	RCC	(tate code)	DUS	(rate code)	(tate code)	(late code)	(tate code)	(late 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 uneconomic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total:																

(fate code)

(fate code) (fate code)

(fate code)

(fate code)

(fate code)

Other sp	oecies					RGG	RWW	RHG	RCC	(tate code)	DUS	(rate code)	(tate code)	(late code)	(tate code)	(late 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 uneconomic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total:																

(fate code)

(fate code) (fate code)

(fate code)

(fate code)

(fate code)

# OPTIONAL WORKSHEET (part 2.) for Appendix 2 - tally board for trip catch statistics (keep up to date daily)

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

## OPTIONAL WORKSHEET (part 2.) for Appendix 2 - tally board for trip catch statistics (keep up to date daily)

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

## OPTIONAL WORKSHEET (part 2.) for Appendix 2 - tally board for trip catch statistics (keep up to date daily)

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