

## SPC/FFA REGIONAL POLE-AND-LINE 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.* →

N.B.:  
Forms version  
should be  
"Revised  
Mar. 2014"

1.	One of these <b>Observer Workbooks</b> for every 15 days at sea	
2.	Sufficient <b>Catch Monitoring Forms PL-3's</b> for the trip (30 sheets per pad)	
3.	Sufficient <b>Observer Journals</b> (normally 30 pages per Journal)	
4.	Two blank <b>notebooks</b> (preferably waterproof)	
5.	One box of <b>pens and pencils</b> (should contain at least 10 X 2B pencils, 2 x erasers, 1 x pencil sharpener, paper clips, 2 x pens, 2 x waterproof felt pens, 1 x small straight-edge ruler)	
6.	One calculator	
7.	One set of fish-measuring callipers/ and or board.	
8.	A suitable chart	
9.	Your personal requirements	
10.		
11.		
12.		
13.		

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

*Have a great trip!*



**OBSERVER PROGRAMME  
FIELD DATA COLLECTION INSTRUCTIONS**

(Read these regularly)

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

1. Please write clearly - unreadable data are of no use. Use a sharp pencil and keep a spare sharp pencil handy. For waterproof paper and plastic boards write with a soft (#2 or #2B) pencil. An eraser should be used to correct errors on the day of entry only.
2. If using a camera the first photograph on each film should be of a piece of paper with the observer trip ID number written in very large numbers, with the date the photograph is taken written underneath. For a clear picture keep the camera at least 1.5 metres from the paper. Use a waterproof felt-tip pen to record the observer trip ID number on the metal casing of any films used or on the outside of disposable cameras used.
3. Always carry a notebook (preferably waterproof) and pencil with you on deck. Note information as it happens and transfer to forms or diary once inside. After information is in diary 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 diary. 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 diary. Record diary page number next to the short note on the form.
8. Observe and record data accurately. Extra notes and explanations should be simple and clear. Record data as it happens. All data should be entered the same day - trust nothing to memory.
9. Make sure forms are filled in the right order. If a form is accidentally left blank and one after it is filled instead, do not go back to fill the blank form later. If a blank form is discovered between filled forms, draw a thick line diagonally across the page and write "missed" on it.
10. Do not make any changes or corrections to data after the day it is recorded. If a mistake is discovered later, draw a neat circle around it and write:  
"Mistake - correct entry is ??? (whatever it is). See diary page No. ??"  
at the top of the form. Comment in the diary why it was a mistake and how it was discovered.
11. All compass readings are to be degrees true. Do not use magnetic readings.  
(Note: true north is 000 degrees).

**\* UNDERSTANDING OBSERVER TRIP ID NUMBERS**

The observer trip ID number 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**

**FORM SUP-1 (pg1)**

REV MAR. 2014

**TRIP DETAILS**

OBSERVER NAME		TRIP START LOCATION		TRIP START DATE (YY/ MM/DD)	
OBSERVER TRIP ID NUMBER		ESTIMATED TRIP END LOCATION		VESSEL GEAR	
VESSEL NAME		FLAG		UVI and / or IRCS	
VESSEL SIZE: circle to indicate	< 16 metres	16-25 meters	26-39 meters	40-65 meters	> 65 meters

**OBSERVER PLACEMENT CHECKLIST**

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

<i>Initial :</i>		<i>Placement Officer to initial when they have:</i>
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 2007-01 (Show and, if necessary, supply copy)
7		Carried out a vessel safety check in the presence of the observer and Captain
8		Reminded the observer of their obligation to work with the crew as best they are able.
9		Reminded the Captain and Observer of importance of cooperation
10		Supplied or informed the Captain of the "Vessel on Observer Report" form
11		Informed the Captian and Observer than an observer-debriefing meeting will take place immediately upon return to port at completion of trip

<i>Initial :</i>		<i>Observer to initial when they have:</i>
12		Clearly described any special sampling requirements to the Vessel Captain
13		Been present at the Vessel Safety Check and have agreed to board the vessel
14		Informed the Captain of any special medical issues; and supplied contacts details for their next of kin

<i>Initial :</i>		<i>Vessel Captain to initial when they have:</i>
15		Read and understood the "Obligations of the Vessel Operators to Observers"
16		Shown the observer all current and valid license certificates
17		Shown the observer the location of their life jacket
18		Informed the observer of all safety regulations, procedures and muster stations
19		Shown the observer which electronic bridge equipment is used and which is not used
20		Shown the observer how to obtain position and UTC time from the onboard GPS and plotter to which they have access to during the trip
21		Understood that offering excessive alcohol to observers may interfere with their work duties and general conduct; and be aware that many observers are required by their programmes' Code of Conduct not to drink alcohol at any time while onboard the vessel

**Notes for the VESSEL CAPTAIN on the OBSERVER PLACEMENT**

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

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

→ Vessel Captain please read and initial when the obligations of both parties is understood

INITIAL

**OBSERVER'S DUTIES AND OBLIGATIONS**

- |   |  |       |
|---|--|-------|
| 1 | Must promptly report any harassment they were subjected to (including a written report to their fisheries authority representative or when not available the nearest Police station)             | _____ |
| 2 | May take, measure and retain samples or specimens of any fish  | _____ |
| 3 | May observe and record details of any incidental take, including the recording of set position information   | _____ |
| 4 | May record position, activity and identification details of other vessels sighted  | _____ |
| 5 | May use communications and other equipment of the vessel but should get permission from the Captain before using it  | _____ |
| 6 | Should not be involved in the fishing operations but may assist in normal vessel housekeeping duties   | _____ |
| 7 | Should not stand watch on the vessel   | _____ |
| 8 | May take photographs of the fishing operations, including fish, gear, equipment, documents, charts and records, and remove from the vessel such photographs or film as was taken or used onboard | _____ |

**OBLIGATIONS OF THE VESSEL OPERATORS TO THE OBSERVER**

- |    |  |       |
|----|--|-------|
| 9  | Ensure vessel personnel do not assault, obstruct, resist, refuse boarding to, delay, intimidate or interfere with an observer performing observer duties   | _____ |
| 10 | Provide access to the bridge, communications and navigation equipment  | _____ |
| 11 | Instruct observer on use of vessel communications equipment to receive and transmit message with the shore, Fishery Authority and other vessels  | _____ |
| 12 | Assist observer as requested, in recording accurate vessel position using vessel navigation and positioning equipment  | _____ |
| 13 | Provide access to areas where fish are held, processed, weighed or stored  | _____ |
| 14 | Allow observer access to document and records, including all logbook for purpose of inspection and copying   | _____ |
| 15 | Allow observer to remove samples   | _____ |
| 16 | Ensure vessel personal do not assault, obstruct, resist, refuse boarding to, delay, intimidate or interfere with an observer performing observer duties  | _____ |
| 17 | Show the observer appropriate vessel safety procedures and location of various safety equipment (life rafts, life jackets, etc) and how to use such equipment in the event of an emergency                                 | _____ |
| 18 | Advise the observer of dangerous work areas and instruct the observer on how to minimise exposure (e.g. hard hat) to danger yet still do their work  | _____ |
| 19 | Provide the observer with food, clean bunk space large enough for a national observer and any necessary medical facilities and treatment in the course of the observer trip and up to two full days after landing in port. | _____ |
| 20 | Provide space for the storage of observer equipment, supplies and samples  | _____ |
| 21 | Vessel operators and owners should be fully aware that any instance of reported observer harassment will be fully investigated and, if warranted, legal action will follow, which may include civil and criminal penalties | _____ |

**SPC/FFA REGIONAL OBSERVER  
OBSERVER PLACEMENT MEETING RECORD**

**FORM SUP-1** (pg2)

REV MAR. 2014

OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER
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**WCPFC VESSEL SAFETY CHECK**

CIRCLE ONE

**COMMENTS**

<b>1</b> VESSEL SURVEY DOCUMENTATION (Current)	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>2</b> CORRECT SIZE PERSONAL FLOA TATION DEVICES AVAILABLE	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>3</b> APPROVED LIFERAFT OR LIFEBOATS UNDER CURRENT SURVEY AND ADEQUATE FOR NUMBER OF CREW	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>4</b> EPIRBS (Current Survey)	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>5</b> DISTRESS SIGNALS AND FLARES	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>6</b> FIRE FIGHTING EQUIPMENT IN GOOD ORDER	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>7</b> FIRE EXTINGUISHERS (Current Checked)	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>8</b> MARINE RADIO HF SSB or SUBITUTE COMMUNICATIONS	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>9</b> NAVIGATION LIGHTS / VESSEL LIGHTS (Working Order)	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>10</b> SOUND PRODUCING DEVICES OR BELL	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>11</b> REGISTRATION DOCUMENTATION IN ORDER	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>12</b> OTHER WORK RELATED VESSELS ON BOARD THAT COULD BE UTILISED IN CASE OF EMERGENCY	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>13</b> NAUTICAL CHARTS AND NAVIGATION AIDS (GPS/RADAR)	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>14</b> FIRST AID EQUIPMENT	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>15</b> SANITATION	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>16</b> PHONE	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>17</b> EMAIL / FAX	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>18</b> INSURANCE FOR OBSERVER WHILST ON BOARD	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>19</b> VESSEL INSURANCE	<b>Yes</b>	<b>No</b>	<b>N/A</b>	
<b>20</b> ROOM FOR CREW AND OBSERVER TO WORK SAFELY	<b>Yes</b>	<b>No</b>	<b>N/A</b>	

**THE OBSERVER WAS PRESENT FOR THE VSC AND AGREES TO BOARD THE VESSEL YES / NO** (If no: record the reasons here and continue on to another attached page if necessary)

**ACKNOWLEDGED** (Observer Placement Meeting Record - page 1 and page 2, front and back read/ initialed/ accepted)

OBSERVER	NAME	SIGNATURE	DATE
VESSEL CAPTAIN	NAME	SIGNATURE	DATE
FISHING MASTER (if any)	NAME	SIGNATURE	DATE
FISHING AUTHORITY REPRESENTATIVE	NAME	SIGNATURE	DATE
INTERPRETER (if any)	NAME	SIGNATURE	DATE
FISHING AUTHORITY REPRESENTATIVE	POSITION	INTERPRETER (if any)	POSITION

## EXPLANATION ON VSC REQUIREMENTS

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

**1. VESSEL SURVEY DOCUMENTATION CURRENT** Fishing Vessels and support vessels operating in the WCPFC must comply with their Flag State regulations and/or the Code of Practice for Safety. Ship surveys including condition, safety and security aspects of hull, machinery and on board safety equipment must be available to be viewed.

**2. CORRECT SIZE PERSONAL FLOATATION DEVICE AVAILABLE** Life Jackets must be approved types and in good serviceable condition, Life Jackets of suitable sizes must be readily accessible for the observer and all crew. Life jackets will not be stored away or locked in cupboards or rooms.

**3. APPROVED LIFE** -Life rafts must be currently in survey and be adequate to carry the amount of crew 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 signaling purposes.

**11. REGISTRATION DOCUMENTATION IN ORDER** Flag State Registration documentation papers must be on board and available to be viewed and must show registration number, boats name, country and port of registration.

**12. OTHER WORK RELATED VESSELS** Many vessels have auxiliary vessels that can be used in emergency situations. Note these.

**13. NAUTICAL CHARTS AND NAVIGATION AIDS** Vessel must have a set of appropriate, up to date nautical charts. Check to ensure that the Radar, GPS and any other navigational equipment is in good order and functioning.

**14. FIRST AID EQUIPMENT** The vessel must have adequate first aid facilities with current "use by dates" on all apparatus, drugs, dressings and other first aid paraphernalia.

**15. SANITATION** The vessel should have clean, well maintained sanitation and bathing facilities. Depending on the size of the vessel, observers may experience a lack of these facilities on board.

**16. PHONE** if the vessel has a satellite phone note the number for future reference.

**17. EMAIL/FAX** If the vessel has Fax or Email system note the numbers for future reference or emergencies.

**18. INSURANCE FOR OBSERVERS ON BOARD** - Observers must be covered by insurance before making a boarding

**19. VESSEL INSURANCE** – Check if vessel has insurance

**20. ROOM FOR OBSERVER AND CREW TO WORK SAFELY** . There must be adequate room on board the deck for the Observer and Crew to work in such a manner, so as to not hinder each other in their respective work duties.

**SPC/FFA REGIONAL OBSERVER  
WORKBOOK REFERENCE PAGE**

**FORM SUP-2**  
for pole-and-line

REV MAR. 2014

**TRIP DETAILS**

OBSERVER NAME	TRIP START LOCATION	TRIP START DATE (YY/ MM/DD)
VESSEL NAME	TRIP END LOCATION	TRIP END DATE (YY/MM/DD)
OBSERVER TRIP ID NUMBER		

**OBSERVER PROGRAMME DETAILS**

Name of placement observer programme	
Name of observer's national programme	
Cross-endorsed trips: Programme Name and Trip Id Number	

**SPECIAL PROJECTS**

Special Projects: Name and Reference Number	
Special Projects: Name and Reference Number	

**FORMS MANAGEMENT**

FORMS TYPE	NAME OF FORM	How Many ?
SUP-1 (page1)	Placement Form (pg1)	
SUP-1 (page 2)	Placement Form (pg2)	
SUP-2	Workbook Reference Form	
PL-1	Pole-and-line General Information	
PL-2	Pole-and-line Daily Log	
PL -3	Pole-and-line Set and Haul Information	
GEN-1	Vessel and Aircraft Sightings/ Fish Bunkering & Other Transfers	
GEN-2	Species of Special Interest	
GEN-3	Vessel Trip Report - <b>you must fill in this form!</b>	
GEN-4	Conservation Factors	
GEN-6	Pollution Report	
SUP-3	Trip Reconciliation Form	
SUP-4	Advances and Claims Forms	
TAG	Tag Recovery Forms	
RPT	Trip Report	
JOU	Journal	

(RECORD TOTAL NUMBER OF PAGES)

\*\*\* Observers are not required to fill in the shaded areas below\*\*\*

**DEBRIEFING DETAILS**

NAME of PRE-DEBRIEFER		NAME OF DEBRIEFER	
DATE of PRE-DEBRIEFING		DATE OF DEBRIEFING	
PLACE of PRE-DEBRIEFING		PLACE OF DEBRIEFING	

**WORKBOOK TRANSFER**

WAS THIS COPY DEBRIEFED BEFORE TRANSFER?	YES or NO
DATE TRANSFERRED	





**CHANGES TO THE POLE-AND-LINE OBSERVER FORMS AGREED AT THE  
9<sup>TH</sup> TUNA FISHERY DATA COLLECTION COMMITTEE (DCC)  
MARCH 2014<sup>1</sup>**

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

PL-1 GENERAL INFORMATION

Modified data fields

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

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

**IRCS or UVI No:** The Unique Vessel Identifier is being introduced by the WCPFC as the preferred vessel identification number. All vessels over 100 GRT fishing in the WCPFC zone (so most purse-seiners) will be required to have this number by 1<sup>st</sup> Jan 2016. It is likely that observers will see this vessel identification number appearing on vessel paperwork (licensing certificates etc.) before then.

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

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

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

New data fields

**Bait Wells:** The bait wells hold live bait fish, normally caught directly before the star of any fishing trip. Record the total number of bait wells the pole-and-line vessel has. Include any further notes on the bait wells in the journal or trip report.

**Are the bait well(s) low temperature controlled?** Circle Y or N to indicate if the bait well can be set to a low-temperature. Most pole and line vessel will use ambient sea-water temperatures, but some will lower the sea-water temperature to maintain the bait for longer.

Removed data fields

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

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

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

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

### PI-2 DAILY LOG

#### Modified data fields

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

**GEN-3 question:** The data field that cross-checking the use of the GEN-3 forms were modified so they are consistent with the style on the other 2014 observer forms.

#### New data fields:

There are no new data fields.

#### Removed data fields:

No data fields were removed.

### PI-3 CATCH DETAILS

#### Modified data fields

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

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

#### Modified form

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

#### Modified data fields

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

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

#### New data fields:

There are no new data fields.

#### Removed data fields:

No data fields were removed.

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

Same: Please refer to the GEN-1 changes above.

### GEN-2 SPECIES OF SPECIAL INTEREST

#### Modified data fields

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

**Describe Interaction/ Treatment / Release:**

#### **SPECIES LANDED ON DECK:**

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

## Describe Interaction and if relevant any treatment and release:

### INTERACTIONS WITH VESSEL OR VESSEL GEAR:

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

#### New data fields:

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

**Did the observer sight the SSI before the set?:** Observers are asked to note if they sighted the SSI before the set. This gives some indication if the vessel was also able to see the SSI before they made a set. Simply circle one of the options to note if you did see the SSI before the set (Yes), didn't (No) or if there was no set.

#### Removed data fields:

No data fields were removed.

**Species Codes:** While not actually data fields observers are informed that the species codes at the end of the forms were removed to make more space for recording information. These codes can now be found in the workbook on the 'Codes' page.

### Supplementary GEN-2 SPECIES OF SPECIAL INTEREST

#### Modified data fields

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

#### New data fields:

There are no new data fields.

#### Removed data fields:

No data fields were removed.

### GEN-3 VESSEL TRIP REPORT

#### Modified form

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

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

#### Modified data fields

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

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

#### New data fields:

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

**Appropriate waste disposal system:** The new CMM 2012-07 on Seabirds requires certain vessels to have a fish offal system on-board (mostly longliners). For this reason a new question has been added to the WCPFC CMM section. This question numbered "wc-d" refers to the need for vessels to have an appropriate system to dispose of fish offal, most especially longliners. The actual question that observers are required to answer is "Appropriate waste disposal system for fish offal".

#### Removed data fields:

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

### GEN-4 CONVERSION FACTORS

#### Modified data fields

**Date format:** Wherever possible the DCC forms use existing data standards like the FAO standard for species codes. Standards from the International Standards Organisation (ISO) are also used. The ISO standard for date and time is

standard 8601 and it requires that when recording the date the year is recorded first, followed by the month, the day, and then the time (example the 23<sup>rd</sup> of September 2015 at quarter past nine in the morning is written as 2015/10/23 - 09:15).

New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

## GEN-6 POLLUTION REPORT

Modified data fields

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

New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

data fields were removed.

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

Modified form

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

Modified data fields

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

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

New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

## GEN-2 SPECIES OF SPECIAL INTEREST

Modified data fields

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

**Describe Interaction/ Treatment / Release:**

**SPECIES LANDED ON DECK:**

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

**Describe Interaction and if relevant any treatment and release:**

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

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

New data fields:

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

**Did the observer sight the SSI before the set?:** Observers are asked to note if they sighted the SSI before the set. This gives some indication if the vessel was also able to see the SSI before they made a set. Simply circle one of the options to note if you did see the SSI before the set (Yes), didn't (No) or if there was no set.

Removed data fields:

No data fields were removed.

**Species Codes:** While not actually data fields observers are informed that the species codes at the end of the forms were removed to make more space for recording information. These codes can now be found in the workbook on the 'Codes' page.

### GEN-3 VESSEL TRIP REPORT

Modified form

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

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

Modified data fields

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

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

New data fields:

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

Removed data fields:

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

### GEN-4 CONVERSION FACTORS

Modified data fields

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

New data fields:

There are no new data fields.

Removed data fields:

No data fields were removed.

### GEN-5 FAD/PAYAO and FLOATING OBJECTS INFORMATION RECORD

Modified data fields

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

New data fields:

**FAD lifted:** Observers are asked to indicate if the FAD was lifted from the water by simply circling Yes if it was lifted or by circling No if it was not lifted. By recording if the FAD was lifted scientists have a better idea if an observer could properly see if an SSI was trapped in the FAD or not.

**SSI seen:** Observers are asked to indicate if they saw an SSI at any FAD that was investigated. Simply circle Y for yes to say that an SSI was seen and N for No. Circle U for unknown if the observer didn't get a proper look at the fad.

**SSI trapped:** Observers are asked to indicate if they saw an SSI trapped in any part of the FAD. Circle Y for yes if an SSI was seen trapped in the FAD. Only circle N for no if the FAD was lifted from the water and all parts clearly seen by the observers. Circle U for unknown if the FAD was lifted but the observer did not get a good look at all parts of the FAD.

Removed data fields:

**Codes Removed:** The codes for the FAD form were removed to make more space on the form. They are available on the Code Pages within the workbook.

### GEN-6 POLLUTION REPORT

### Modified data fields

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

### New data fields:

There are no new data fields.

### Removed data fields:

No data fields were removed.

## SUPPLEMENTARY FORMS

**NEW 2014:** Certain forms that were always used by PIFRO observer programmes were given lower revision as they were not coded and included in the DCC forms review process. These forms have now been re-formatted to the regional style and included in the workbook. Notes on these forms are included below.

### SUP-1 PLACEMENT FORM (pages one and two)

The placement form has been placed at the start of the workbook. Normally a placement meeting should be held before every observer trip. The placement form also includes a WCPFC vessel safety check that allows observer and placement officers to highlight unsafe vessels in the region and to refuse to board vessels on safety reasons.

### SUP-2 WORKBOOK REFERENCE PAGE

**This is a new form.** However, the majority of the data fields have been taken from different areas of the observer forms and the old trip reports. New data fields are described below. Observers should fill in this form once the trip is complete and the trip report available and before the data has been submitted.

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

### New data fields

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

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

### SUP-3 TRIP RECONCILIATION FORM

### Modified data fields

None

### New data fields

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

### Removed data fields:

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

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

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

### Modified form

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

### New data fields

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

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

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

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

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

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

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

Removed data fields: No data fields were removed.

OBSERVER PROGRAM ME:

**SPC/FFA REGIONAL POLE-AND-LINE OBSERVER  
GENERAL INFORMATION**

**FORM PL-1**

REVISED MAR. 2014

TRIP DETAILS												
OBSERVER	NAME		TRIP START LOCATION				TRIP START (SHIP DATE AND TIME)					
							YY	MM	DD	hh mm		
	NATIONALITY		TRIP ID NUMBER		TRIP END LOCATION				TRIP END (SHIP DATE AND TIME)			
								YY	MM	DD	hh mm	
VESSEL NAME:			FISHING PERMIT OR LICENCE NUMBER(S):				VESSEL DEPARTURE PORT		VESSEL DEPARTURE DATE			
									YY MM DD			

VESSEL					CREW NATIONALITY						
VESSEL OWNER:					COUNTRY REGISTRATION No.			CAPTAIN:		FISHING MASTER:	
VESSEL CAPTAIN:					IRCS or UVI No.			OTHER CREW:			
FISHING MASTER:					FLAG			OTHER CREW:			
LENGTH		M	GROSS TONNAGE:		FISH HOLD CAPACITY:		OTHER CREW:				
		Ft									

ELECTRONICS				DEPTH SOUNDER				COMMENTS			
GPS		Y / N	USAGE	SST GAUGE		Y / N	USAGE				
TRACK PLOTTER		Y / N				Y / N					
			USAGE	MAKE							
ADVANCES	EQUIPMENT TYPE		Y / N								
IN TECH	EQUIPMENT TYPE		Y / N								
	BIRD RADAR		Y / N								
	SONAR		Y / N								
	RADIO BUOY DIRECTION FINDER		Y / N								
	GPS BUOY		Y / N								
	DOPPLER CURRENT METER		Y / N								
	XBT (BATHY THERMOGRAPH)		Y / N								
VMS SYSTEMS	1		Y / N								
	2		Y / N								
COMMUNICATION SERVICES		PHONES	SATELLITE:	Y / N	Phone #		MOBILE:	Y / N	Phone #		
		OTHER	FACSIMILE:	Y / N	Fax #		EMAIL:	Y / N	Email:		
INFORMATION SERVICES		WEATHER	WEATHER FAX	Y / N	SATELLITE MONITOR		Y / N				
		OTHER	Y / N	url :	Phytoplankton		Y / N	SST	Y / N	Sea Height	

FISHING GEAR				SAFETY EQUIPMENT					
AUTOMATIC POLING DEVICES			Y / N	PROVIDED FOR OBSERVER:			Y / N / O	No. of LIFE BUOYS / LIFE RINGS	
MAKE	MODEL			LIFE JACKET			SUITABLE SIZE	Y / N	
WASTE DISPOSAL SYSTEM			Y / N	AVAILABILITY (circle one)		Easy	Moderate	Hard	
DESCRIBE:				EPIRBs (No)		Total (all)	Exp-ired	LIFE RAFTS	
BAIT WELLS			No.	Are bait wells tow temperature controlled?		Y / N	No. of people and inspection due date (D) or last date of inspection (L) (D-mm/yy or L-mm/yy)		1 2 3 4

OBSERVATIONS / COMMENTS, OTHER GEAR, UNUSUAL USE OF GEAR (write brief notes here and a full description in trip report)						USAGE CODES (for "USAGE" columns)			
						ALL - used all the time in fishing			
						TRA - used only in transit			
						OIF - used often in fishing			
						SIF - used sometimes in fishing			
						RAR - rarely used			
						BRO - broken now but used normally			
						NOL - no longer ever used			
						N.B. - fishing can be searching, bait or tuna fishing, investigating, etc.			





**GENERAL INFORMATION****Observer programme :** -

REVISED MAR. 2014

record the country code if working for a national programme  
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**

For dates and times  
use SHIP'S DATES  
and TIMES

**Name:** Print name in full - first name first and family name last (e.g. "John Masa").

**Nationality:** Record the nationality as it is shown in the observer's passport

**Trip ID Number:** Print number issued by the authority sending you on this trip.

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

**Start of trip (Ship date and time):** when vessel lets go ropes or hauls anchor to leave port or observer transfers at sea.

**End of trip (Ship date and time):** when the vessel ties up or drops anchor in port or observer disembarks at sea.

**Trip Start Location / Trip End Location / Vessel Departure Port:** Record in all three boxes even if it is the same port.

(YY = Year) - (MM = Month) - (DD = Day) - (hh = hour) - (mm = minute) - (dd = degree)

**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 embarked or disembarked at sea:

Record 'Trip Start Date and Time' as time of transfer between boats and 'Trip Start Location' as "At sea"; and

Record 'End of Trip Date and Time' at time of transfer off vessel and 'End of Trip Location' as "At sea"

- in both situations the "At sea" should be followed by the position recorded in degrees and minutes (dd<sup>o</sup>mm').

Observer meeting host vessel at sea must record position and 1st activity in PL-2 forms as soon as possible after boarding

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

**Vessel**

**Vessel Name:** Full name of vessel including a number if appropriate - No abbreviations ! (e.g. "The Lucky")

**Vessel owner, Vessel Captain, Fishing master:** Print full names whenever possible.

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

**Flag:** Name of country in which the vessel is registered (e.g. "Japan").

**IRCS (international radio call-sign) or UVI No.:** The IRCS should be painted on the side but do not confuse it with a license number which may also be painted on the side of the vessel,

The UVI - The WCPFC requires all vessel over 100 GT to have a unique vessel identifier before June 2016, and while this won't apply to PL vessels for another while, you can record the number here if it appears on the vessel's paperwork.

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

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

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

**Fishing Permit or Licence Number(s):** If the vessel is registered in the coastal state, then print the fishing licence

number issued by the coastal state. If the vessel fished under one or more bilateral access agreements,

then record the fishing permit number issued by each of the coastal states. If the vessel fished under a

multilateral treaty, then print the fishing permit number issued to the vessel under the multilateral treaty.

**Length:** } The place to find vessel's length overall (LOA) and gross tonnage is on registration papers. M=

**Gross tonnage:** } Meters, Ft = Feet.

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

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

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

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

**Crew Nationality**

**Captain and Fishing Master (under "Nationality"):** Record the nationality of the Captain and/or the Fishing Master (eg: Taiwan

**Other Crew:** For each nationality of crew (not Captain or Fishing Master) report nationality and how many of that nationality.

## Electronics

\* **Advances in technology** : Empty lines are to record new 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 any new equipment or advances in technology in journal and trip report.

**Usage** : use codes (bottom front of form) to show how much each piece of equipment, for which "Y" is circled, is used

**Y/N** : (Circle "Y" or "N" (yes or no) to show if each item is present or not present on board)

**Comments (equipment usage)** : Make a note about each piece of equipment's use during the trip (sometimes, never, very old, out of order etc.) Make a comment if it is used in an unusual way.

**Binoculars** : Number /Power .Write down the different powers of binoculars used and the amount in each category (example : 2 x 8 x 50, 2 x 10 x 50 and 1 x 15 x 70)

**VMS - 1** and **VMS-2** : Record system type (e.g.: InMarSat-C, Iridium, Argos) for each "vessel monitoring system" used by the **System type** : Record the manufacture's name (e.g. Trimble, Thrane and Thrane, Furuno etc) and the model of the MTU unit, if possible.

**Communication services** : If vessel has satellite and/or mobile phone and/or fax and/or email address, record contact details.

**Information services** : Weather info may be faxed. Weather and/or other info may be sent in other ways to onboard computer

Circle Y or N to show if they get information on sea-surface temperature (SST), phytoplankton 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 url (website address) below the "Y/N" and write more about the website in your written report.

## Fishing Gear - (*Automatic Poling devices*)

Record the number of automatic poling devices onboard the vessel.

Comments whether all are used and if they are in good working order.

## Bait Wells

Bait wells # - Record the total number of bait wells that the vessel has.

Circle Y or N to show if any of the bait wells are low temperature wells.

## Waste Disposal System

Circle Y or N to show if the vessel has equipment and / or follows standard procedures to manage fish offal or other waste.

Examples of equipment include incinerators, crushers, shredders, compacters, balers, meal plants, etc. Examples of procedures might be keeping all plastic waste until the end of the trip. If present describe how these are used and how effectively they are used in your trip report. (i.e. what pollution control process does the vessel have?).

Describe This data field is very small so mark the journal page where the description is written

## Safety Equipment (obtain as much information as possible without intruding)

**Life jacket** : if your own (or fisheries) circle "O". Else circle "Y" or "N" to show if vessel showed you one for your own use

Was it a good size ? Was it (*easy*) available, available but not easy (moderate) to get to, or (*hard*) to find

**Lifebuoys/life rings** - count all to be found

**EPIRBs** - count total and count any with expired battery renewal dates.

**Life rafts** - find info on labels on life-rafts. If, **after careful check**, dates are not found, record "DND" for 'dates not displayed'.

## Observations / Comments, Other Gear, Unusual Use of Gear

Record notes if you think there is anything special about this boat or its crew compared to others.

Comment if equipment is not working, not used or used in an unusual way. Describe fishing gear if different to equipment you see on other longliners and record make, model, special characteristics and **usage** of this new gear.

If you have lots to write about (good) do so in your diary and in a special section in your trip report then only put a brief note here with a reference to page numbers in your diary and trip report.

OBSERVER PROGRAMME	SPC/FFA REGIONAL POLE-AND-LINE OBSERVER	FORM PL-1
GENERAL INFORMATION		

REVISED MAR. 2014

TRIP DETAILS						
OBSERVER	NAME		TRIP START LOCATION		TRIP START (SHIP DATE AND TIME)	
					YY	MM DD hh mm
	NATIONALITY	TRIP ID NUMBER	TRIP END LOCATION		TRIP END (SHIP DATE AND TIME)	
					YY	MM DD hh mm
VESSEL NAME		FISHING PERMIT OR LICENCE NUMBER(S):		VESSEL DEPARTURE PORT	VESSEL DEPARTURE DATE	
					YY	MM DD

VESSEL	CREW NATIONALITY
VESSEL OWNER:	COUNTRY REGISTRATION No.
VESSEL CAPTAIN: : ID document : No.	CAPTAIN: FISHING MASTER:
FISHING MASTER: : ID document : No.	OTHER CREW: : How many?
LENGTH M Ft	GROSS TONNAGE mT
FISH HOLD CAPACITY: mT	OTHER CREW: : How many?

ELECTRONICS		GPS	Y / N	USAGE	DEPTH SOUNDER		Y / N	USAGE
	TRACK PLOTTER				SST GAUGE			
		USAGE	MAKE	COMMENTS				
ADVANCES IN TECH	EQUIPMENT TYPE	Y / N						
	EQUIPMENT TYPE	Y / N						
	BIRD RADAR	Y / N						
	SONAR	Y / N						
	RADIO BUOY DIRECTION FINDER	Y / N						
	GPS BUOY	Y / N						
	DOPPLER CURRENT METER	Y / N						
	XBT (BATHY THERMOGRAPH)	Y / N						
VMS SYSTEMS	1	Y / N						
	2	Y / N						
COMMUNICATION SERVICES	PHONES	SATELLITE:	Y / N	Phone #	MOBILE:	Y / N	Phone #	
	OTHER	FACSIMILE:	Y / N	Fax #	EMAIL:	Y / N	Email:	
INFORMATION SERVICES	WEATHER	WEATHER FAX	Y / N	SATELLITE MONITOR	Y / N			
	OTHER	Y / N	url:	Phytoplankton	Y / N	SST	Y / N	Sea Height

FISHING GEAR	USAGE	SAFETY EQUIPMENT							
AUTOMATIC POLING DEVICES	Y / N	PROVIDED FOR OBSERVER:		Y / N / O	No. of LIFE BUOYS / LIFE RINGS				
MAKE	MODEL	LIFE JACKET		SUITABLE SIZE	Y / N				
WASTE DISPOSAL SYSTEM		Y / N	AVAILABILITY (circle one)	Easy	Moderate	Hard			
DESCRIBE		EPIRBs (No)	Total (all)	Ex-pired	LIFE RAFTS				
BAIT WELLS	No.	Are bait wells low temperature controlled?		Y / N	No. of people and inspection due date (D) or last date of inspection (L) (D-mm/yy or L-mm/yy)	1	2	3	4
		406							
		other							

<b>OBSERVATIONS / COMMENTS, OTHER GEAR, UNUSUAL USE OF GEAR</b> (write brief notes here and a full description in trip report)	<b>USAGE CODES</b> (for "USAGE" columns) ALL - used all the time in fishing TRA - used only in transit OIF - used often in fishing SIF - used sometimes in fishing RAR - rarely used BRO - broken now but used normally NOL - no longer ever used N.B. - fishing can be searching, bait or tuna fishing, investigating, etc.
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**GENERAL INFORMATION**Observer programme : -

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record the country code if working for a national programme  
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**

For dates and times  
use SHIP'S DATES  
and TIMES

Name : Print name in full - first name first and family name last (e.g. "John Masa").

Nationality : Record the nationality as it is shown in the observer's passport

Trip ID Number : Print number issued by the authority sending you on this trip.

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

Start of trip (Ship date and time) : when vessel lets go ropes or hauls anchor to leave port or observer transfers at sea.

End of trip (Ship date and time) : when the vessel ties up or drops anchor in port or observer disembarks at sea.

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

(YY = Year) - (MM = Month) - (DD = Day) - (hh = hour) - (mm = minute) - (dd = degree)

**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 embarked or disembarked at sea:

Record 'Trip Start Date and Time' as time of transfer between boats and 'Trip Start Location' as "At sea"; and

Record 'End of Trip Date and Time' at time of transfer off vessel and 'End of Trip Location' as "At sea"

- in both situations the "At sea" should be followed by the position recorded in degrees and minutes (dd<sup>o</sup>mm').

Observer meeting host vessel at sea must record position and 1st activity in PL-2 forms as soon as possible after boarding

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

**Vessel**

Vessel Name : Full name of vessel including a number if appropriate - No abbreviations ! (e.g. "The Lucky")

Vessel owner, Vessel Captain, Fishing master : Print full names whenever possible.

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

Flag : Name of country in which the vessel is registered (e.g. "Japan").

IRCS (international radio call-sign) or UVI No. : The IRCS should be painted on the side but do not confuse it with a license number which may also be painted on the side of the vessel,

The UVI - The WCPFC requires all vessel over 100 GT to have a unique vessel identifier before June 2016, and while this won't apply to PL vessels for another while, you can record the number here if it appears on the vessel's paperwork.

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

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

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

Fishing Permit or Licence Number(s) : If the vessel is registered in the coastal state, then print the fishing licence

number issued by the coastal state. If the vessel fished under one or more bilateral access agreements,

then record the fishing permit number issued by each of the coastal states. If the vessel fished under a

multilateral treaty, then print the fishing permit number issued to the vessel under the multilateral treaty.

Length : } The place to find vessel's length overall (LOA) and gross tonnage is on registration papers. M=

Gross tonnage : } Meters, Ft = Feet.

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

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

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

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

**Crew Nationality**

Captain and Fishing Master (under "Nationality") : Record the nationality of the Captain and/or the Fishing Master (eg: Taiwan

Other Crew : For each nationality of crew (not Captain or Fishing Master) report nationality and how many of that nationality.

## Electronics

\* **Advances in technology**: Empty lines are to record new 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 any new equipment or advances in technology in journal and trip report.

**Usage**: use codes (bottom front of form) to show how much each piece of equipment, for which "Y" is circled, is used

**Y/N**: (Circle "Y" or "N" (yes or no) to show if each item is present or not present on board)

**Comments (equipment usage)**: Make a note about each piece of equipment's use during the trip (sometimes, never, very old, out of order etc.) Make a comment if it is used in an unusual way.

**Binoculars**: Number /Power. Write down the different powers of binoculars used and the amount in each category (example: 2 x 8 x 50, 2 x 10 x 50 and 1 x 15 x 70)

**VMS-1** and **VMS-2**: Record system type (e.g.: InMarSat-C, Iridium, Argos) for each "vessel monitoring system" used by the

**System type**: Record the manufacture's name (e.g. Trimble, Thrane and Thrane, Furuno etc) and the model of the MTU unit, if possible.

**Communication services**: If vessel has satellite and/or mobile phone and/or fax and/or email address, record contact details.

**Information services**: Weather info may be faxed. Weather and/or other info may be sent in other ways to onboard computer

Circle Y or N to show if they get information on sea-surface temperature (SST), phytoplankton 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 url (website address) below the "Y / N" and write more about the website in your written report.

## Fishing Gear - (*Automatic Poling devices*)

Record the number of automatic poling devices onboard the vessel.

Comments whether all are used and if they are in good working order.

## Bait Wells

Bait wells # - Record the total number of bait wells that the vessel has.

Circle Y or N to show if any of the bait wells are low temperature wells.

## Waste Disposal System

Circle Y or N to show if the vessel has equipment and / or follows standard procedures to manage fish offal or other waste.

Examples of equipment include incinerators, crushers, shredders, compacters, balers, meal plants, etc. Examples of procedures might be keeping all plastic waste until the end of the trip. If present describe how these are used and how effectively they are used in your trip report. (i.e. what pollution control process does the vessel have?).

Describe This data field is very small so mark the journal page where the description is written

## Safety Equipment (obtain as much information as possible without intruding)

**Life jacket**: if your own (or fisheries) circle "O". Else circle "Y" or "N" to show if vessel showed you one for your own use

Was it a good size? Was it (*easy*) available, available but not easy (moderate) to get to, or (*hard*) to find

**Lifebuoys/life rings** - count all to be found

**EPIRBs** - count total and count any with expired battery renewal dates.

**Life rafts** - find info on labels on life-rafts. If, **after careful check**, dates are not found, record "DND" for 'dates not displayed'.

## Observations / Comments, Other Gear, Unusual Use of Gear

Record notes if you think there is anything special about this boat or its crew compared to others.

Comment if equipment is not working, not used or used in an unusual way. Describe fishing gear if different to equipment you see on other longliners and record make, model, special characteristics and **usage** of this new gear.

If you have lots to write about (good) do so in your diary and in a special section in your trip report then only put a brief note here with a reference to page numbers in your diary and trip report.

## SPC/FFA REGIONAL POLE AND LINE OBSERVER DAILY LOG

**FORM PL - 2**

REVISED DEC. 2014

OBSERVER NAME					VESSEL NAME				OBSERVER TRIP ID NUMBER			PAGE OF				
SHIPS TIME	LATITUDE		LONGITUDE	ACTIVITY CODE	SCHOOL				BAIT				No. of BUCKETS	COMMENTS <small>(and Set No. - from PL-3)</small>	START OF DAY <small>(YYYY-MM-DD)</small>	
	(dd° mm.mmm')	N S			(ddd° mm.mmm')	ASSOC.	DETECT	SPECIES 1	SPECIES 2	SPECIES 3	SPECIES 4	SHIP'S DATE			SHIP'S TIME	
FLOATING OBJECT AND SCHOOL SIGHTINGS	FLOATING OBJECT AND SCHOOL SIGHTINGS <i>Example</i>		Anchored floating objects				Free floating objects (no anchor)				Free schools		DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3 TODAY ?		Journal pg #	
	Tally		(with NO school)	(with school)	(with NO school)	(with school)	Tally		Tally		Tally		YES NO <i>(circle one)</i>			
	1111	6														

**START OF DAY** (YYYY-MM-DD)

SHIP'S DATE \_\_\_\_\_ SHIP'S TIME \_\_\_\_\_

UTC DATE \_\_\_\_\_ UTC TIME \_\_\_\_\_

**ALL MUST BE RECORDED**

BUCKETS OF BAIT ONBOARD: \_\_\_\_\_

- ACTIVITY CODES**
- 1 Spraying, chumming or poling
  - 2 Searching
  - 3 Transit
  - 4 No fishing - breakdown
  - 5 No fishing - bad weather
  - 6 In port - please specify
  - 7 Anchored in bait grounds
  - 8 Investigate free school
  - 9 Investigate floating object
  - 10D Deploy- raft, FAD or payao
  - 10R Retrieval - raft, FAD or payao
  - 11 No fishing - drifting at day's end
  - 12 No fishing - drifting with log
  - 13 No fishing - other (please specify)
  - 14 Bait fishing
  - 15D Retrieve - Buoy (change only)
  - 15R Deploy - Buoy (change only)
  - 16 Bait buying
  - 17 Servicing FAD or floating object
- SCHOOL ASSOCIATION**
- 1 Unassociated
  - 2 Feeding on baitfish } Free schools
  - 3 Drifting log, debris or dead animal
  - 4 Drifting raft, FAD or payao
  - 5 Anchored raft, FAD or payao
  - 6 Live w hale
  - 7 Live w hale shark
  - 8 Other (please specify)
  - 9 No tuna associated

- HOW DETECTED**
- 1 Seen from vessel
  - 2 Seen from helicopter
  - 3 Marked with beacon
  - 4 Bird radar
  - 5 Sonar / depth sounder
  - 6 Info. from other vessel
  - 7 Anchored FAD / payao

### OBSERVERS DAILY LOG

OBSERVER NAME	First name first and last name last. Be sure to print full name.
VESSEL NAME	Vessel's full name with no abbreviations. E.g, the "Captain Kalahari 3" should not be abbreviated to the "Capt. Kalahari".
OBSERVER ID NUMBER	This number is issued to you before you leave port and should be used on all forms. The number will not change for the entire trip. Place at the top of every Form or other paper collected.
PAGE OF	Number each Form PL - 2 sequentially. Continue until trip is completed. For example: the fifth page of 36 pages is written as "page 5 of 36".

START OF DAY	YYYY-MM-DD (Use year-month-day format).	
SHIP'S DATE	Write the date that the officers and crew use on the vessel	
SHIP'S TIME	Write the time that the officers and crew are using (the time that is on the ship's clock).	<b>BUCKETS OF BAIT ONBOARD</b> At start of day assess amount of bait onboard available for fishing (left over from previous day plus bait added last night).
UTC DATE	Get the date from the GPS at the same time as you record the date the vessel is using. Note that the date on the GPS (UTC) could indicate a different date. Still report this date.	
UTC TIME	Get "UTC time" from the GPS at the same time as you record "Ship's time". Note that "UTC time" (from GPS) will usually differ from "Ship's time" unless the vessel is using	
SHIPS TIME	Record the "Ship's time" every time the activity changes (as often as necessary). Record all codes and other details for each activity.	

**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments	Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)
Latitude	dd = degrees; mm = minutes; mmm = decimal minutes. If less than 10 degrees, always put zero in front of number (e.g.: "5" is written "05")	
Longitude	ddd = degrees; mm = minutes; mmm = decimal minutes.	
N / S and E / W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.	
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one. If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the "Activity Code "1" column.	
(Activity Code "1")	"Spraying, Chumming or Poling" starts when the vessel starts trying to attract fish by chumming bait, using sprayers or other means. "Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.	
SCHOOL ASSOC.	The "SCHOOL ASSOCIATION" codes are used to show if the school with a floating object, a marine mammal or whale shark or is a free school. If it is a free school then the "SCHOOL ASSOCIATION" codes show if it is feeding on a school of baitfish (not the vessel's bait) or not associated with anything.	
DETECT	Use "HOW DETECTED" codes to <b>best</b> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found.	
COMMENTS	Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no ???" in the comments.	

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes. Only use the family group codes provided if you are unable to identify the bait down to species level.
NO. OF BUCKETS	Total number of buckets of bait brought onto boat to put into the bait wells - associated with either of the two Activity Codes "14" and "16" - bait fishing and bait buying. If the boat runs out of bait causing the boat to stop fishing (change activity), record "No More Bait" in the comment column in the line that you record the next activity.
IMPORTANT NOTES !	The Activity Code "Bait fishing" starts when the vessel first starts to set any gear (not counting the lights) to catch bait. Bait fishing ends (the next Activity starts with a new code) when the bait catching gear is pulled back on board again. Bait buying covers the period from start to finish of loading of purchased bait

**FLOATING OBJECTS AND SCHOOL SIGHTINGS**

IMPORTANT NOTES !	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
Tally Total	During the day make a stroke every time you see something. At the end of the day add the strokes and write in the total.
Floating objects (with no school)	Make a stroke here every time you see a floating object that doesn't seem to have tuna with it.
Schools under floating objects	Make a stroke here every you see a floating object with tuna swimming around it.
Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.



# SPC/FFA REGIONAL POLE AND LINE OBSERVER DAILY LOG

**FORM PL - 2**

REVISED DEC. 2014 OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER	PAGE _____ OF _____
SHIP'S TIME	LATITUDE (dd° mm.mmm')	LONGITUDE (ddd° mm.mmm')	START OF DAY SHIP'S DATE (YYYY-MM-DD) SHIP'S TIME
E W	ACTIVITY CODE	SCHOOL ASSOC. DETECT	COMMENTS No. - from PL-3 (and Set)
BAIT SPECIES 1   SPECIES 2   SPECIES 3			
No. of BUCKETS			
UTC DATE   UTC TIME			
<b>ALL MUST BE RECORDED</b>			
BUCKETS OF BAIT ONBOARD:			
<p><b>ACTIVITY CODES</b></p> <ol style="list-style-type: none"> <li>1 Spraying, chumming or polling</li> <li>2 Searching</li> <li>3 Transit</li> <li>4 No fishing - breakdown</li> <li>5 No fishing - bad weather</li> <li>6 In port - please specify</li> <li>7 Anchored in bait grounds</li> <li>8 Investigate free school</li> <li>9 Investigate floating object</li> <li>10D Deploy - raft, FAD or payao</li> <li>10R Retrieval - raft, FAD or payao</li> <li>11 No fishing - drifting at day's end</li> <li>12 No fishing - drifting with log</li> <li>13 No fishing - other (please specify)</li> <li>14 Bait fishing</li> <li>15D Retrieve - Buoy (change only)</li> <li>15R Deploy - Buoy (change only)</li> <li>16 Bait buying</li> <li>17 Servicing FAD or floating object</li> </ol> <p><b>SCHOOL ASSOCIATION</b></p> <ol style="list-style-type: none"> <li>1 Unassociated</li> <li>2 Feeding on baitfish } Free schools</li> <li>3 Drifting log, debris or dead animal</li> <li>4 Drifting raft, FAD or payao</li> <li>5 Anchored raft, FAD or payao</li> <li>6 Live whale</li> <li>7 Live whale shark</li> <li>8 Other (please specify)</li> <li>9 No tuna associated</li> </ol> <p><b>HOW DETECTED</b></p> <ol style="list-style-type: none"> <li>1 Seen from vessel</li> <li>2 Seen from helicopter</li> <li>3 Marked with beacon</li> <li>4 Bird radar</li> <li>5 Sonar / depth sounder</li> <li>6 Info. from other vessel</li> <li>7 Anchored FAD / payao</li> </ol>			
FLOATING OBJECT AND SCHOOL SIGHTINGS	Tally	Total	DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3 TODAY ? <b>Journal</b> pg#
	Tally	Total	
<b>6</b>			

OBSERVER NAME	First name first and last name last. Be sure to print full name.
VESSEL NAME	Vessel's full name with no abbreviations. E.g., the "Captain Kalahari 3" should not be abbreviated to the "Capt. Kalahari".
OBSERVER	This number is issued to you before you leave port and should be used on all forms. The number will not change for the entire trip.
ID NUMBER	Place at the top of every Form or other paper collected.
PAGE OF	Number each Form PL - 2 sequentially. Continue until trip is completed. For example: the fifth page of 36 pages is written as "page 5 of 36".
START OF DAY	YYYY-MM-DD (Use year-month-day format).

SHIP'S DATE	Write the date that the officers and crew use on the vessel
SHIP'S TIME	Write the time that the officers and crew are using (the time that is on the ship's clock).
UTC DATE	Get the date from the GPS at the same time as you record the date the vessel is using.
UTC TIME	Note that the date on the GPS (UTC) could indicate a different date. Still report this date. Get "UTC time" from the GPS at the same time as you record "Ship's time". Note that "UTC time" (from GPS) will usually differ from "Ship's time" unless the vessel is using
SHIP'S TIME	Record the "Ship's time" every time the activity changes (as often as necessary). Record all codes and other details for each activity.

**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments
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Longitude	ddd = degrees; mm = minutes; mmm = decimal minutes.
N / S and E / W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one. If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the
(Activity Code "1")	"Spraying, Chumming or Poling" starts when the vessel starts trying to attract fish by chumming bait, using sprayers or other means "Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.
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DETECT	Use "HOW DETECTED" codes to <b>best</b> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found.
COMMENTS	Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no.?" in the comments.

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes. Only use the family group codes provided if you are unable to identify the bait down to species level.
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IMPORTANT NOTES!	The Activity Code "Bait fishing" starts when the vessel first starts to set any gear (not counting the lights) to catch bait. Bait fishing ends (the next Activity starts with a new code) when the bait catching gear is pulled back on board again. Bait buying covers the period from start to finish of loading of purchased bait

**FLOATING OBJECTS AND SCHOOL SIGHTINGS**

IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
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Schools under floating objects	Make a stroke here every time you see a floating object with tuna swimming around it.
Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.

**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).

Activities involving  
FADs / floating objects  
must relate to records  
in the GEN-5 forms  
(FAD and Floating  
Object Information)

# SPC/FFA REGIONAL POLE AND LINE OBSERVER DAILY LOG

FORM PL - 2

REVISED DEC. 2014 OBSERVER NAME			VESSEL NAME				OBSERVER TRIP ID NUMBER		PAGE OF			
SHIPS TIME	LATITUDE (dd° mm.mmm')	LONGITUDE (ddd° mm.mmm')	E W	ACTIVITY CODE	SCHOOL ASSOC. DETECT	BAIT SPECIES 1   SPECIES 2   SPECIES 3   SPECIES 4	No. of BUCKETS	COMMENTS No. - from PL-3 (and Set)	START OF DAY SHIP'S DATE	SHIP'S TIME UTC TIME		
<b>ALL MUST BE RECORDED</b>												
BUCKETS OF BAIT ONBOARD:												
<p><b>ACTIVITY CODES</b></p> <ul style="list-style-type: none"> <li>1 Spraying, chumming or poling</li> <li>2 Searching</li> <li>3 Transit</li> <li>4 No fishing - breakdown</li> <li>5 No fishing - bad weather</li> <li>6 In port - please specify</li> <li>7 Anchored in bait grounds</li> <li>8 Investigate free school</li> <li>9 Investigate floating object</li> <li>10D Deploy - raft, FAD or payao</li> <li>10R Retrieval - raft, FAD or payao</li> <li>11 No fishing - drifting at day's end</li> <li>12 No fishing - drifting w/ith log</li> <li>13 No fishing - other (please specify)</li> <li>14 Bait fishing</li> <li>15D Retrieve - Buoy (change only)</li> <li>15R Deploy - Buoy (change only)</li> <li>16 Bait buying</li> <li>17 Servicing FAD or floating object</li> </ul> <p><b>SCHOOL ASSOCIATION</b></p> <ul style="list-style-type: none"> <li>1 Unassociated</li> <li>2 Feeding on baitfish } Free schools</li> <li>3 Drifting log, debris or dead animal</li> <li>4 Drifting raft, FAD or payao</li> <li>5 Anchored raft, FAD or payao</li> <li>6 Live whale</li> <li>7 Live whale shark</li> <li>8 Other (please specify)</li> <li>9 No tuna associated</li> </ul> <p><b>HOW DETECTED</b></p> <ul style="list-style-type: none"> <li>1 Seen from vessel</li> <li>2 Seen from helicopter</li> <li>3 Marked w/ith beacon</li> <li>4 Bird radar</li> <li>5 Sonar / depth sounder</li> <li>6 Info. from other vessel</li> <li>7 Anchored FAD / payao</li> </ul>												
FLOATING OBJECT AND SCHOOL SIGHTINGS			Anchored floating objects			Free floating objects (no anchor)			Free schools		DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3 TODAY ?	
			(w/ith NO school) (w/ith school)			(w/ith NO school) (w/ith school)						
Tally			Total			Total			Total		Journal pg #	
11 /			6									

OBSERVER NAME	First name first and last name last. Be sure to print full name.
VESSEL NAME	Vessel's full name with no abbreviations. E.g., the "Captain Kalahari 3" should not be abbreviated to the "Capt. Kalahari".
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ID NUMBER	Place at the top of every Form or other paper collected.
PAGE OF	Number each Form PL - 2 sequentially. Continue until trip is completed. For example: the fifth page of 36 pages is written as "page 5 of 36".
START OF DAY	YYYY-MM-DD (Use year-month-day format).

SHIP'S DATE	Write the date that the officers and crew use on the vessel
SHIP'S TIME	Write the time that the officers and crew are using (the time that is on the ship's clock).
UTC DATE	Get the date from the GPS at the same time as you record the date the vessel is using.
UTC TIME	Note that the date on the GPS (UTC) could indicate a different date. Still report this date. Get "UTC time" from the GPS at the same time as you record "Ship's time". Note that "UTC time" (from GPS) will usually differ from "Ship's time" unless the vessel is using
SHIPS TIME	Record the "Ship's time" every time the activity changes (as often as necessary). Record all codes and other details for each activity.

**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments
Latitude	ddd = degrees; mm = minutes; mmm = decimal minutes.
Longitude	ddd = degrees; mm = minutes; mmm = decimal minutes.
N / S and E / W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one. If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the
(Activity Code "1")	"Spraying, Chumming or Poling" starts when the vessel starts trying to attract fish by chumming bait, using sprayers or other means
SCHOOL ASSOC.	"Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.
DETECT	The "SCHOOL ASSOCIATION" codes are used to show if the school with a floating object, a marine mammal or whale shark or is a free school. If it is a free school then the "SCHOOL ASSOCIATION" codes show if it is feeding on a school of baitfish (not the vessel's bait) or not associated with anything.
COMMENTS	Use "HOW DETECTED" codes to <b>best</b> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found. Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no.???" in the comments.

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes. Only use the family group codes provided if you are unable to identify the bait down to species level.
NO. OF BUCKETS	Total number of buckets of bait brought onto boat to put into the bait wells - associated with either of the two Activity Codes "14" and "16" - bait fishing and bait buying. If the boat runs out of bait causing the boat to stop fishing (change activity), record "No More Bait" in the comment column in the line that you record the next activity.
IMPORTANT NOTES!	The Activity Code "Bait fishing" starts when the vessel first starts to set any gear (not counting the lights) to catch bait. Bait fishing ends (the next Activity starts with a new code) when the bait catching gear is pulled back on board again. Bait buying covers the period from start to finish of loading of purchased bait

**FLOATING OBJECTS AND SCHOOL SIGHTINGS**

IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
Tally	During the day make a stroke every time you see something. At the end of the day add the strokes and write in the total.
Floating objects (with no school)	Make a stroke here every time you see a floating object that doesn't seem to have tuna with it.
Schools under floating objects	Make a stroke here every time you see a floating object with tuna swimming around it.
Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.

**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).

Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)



OBSERVER NAME	First name first and last name last. Be sure to print full name.
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**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments	Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)
Latitude	ddd = degrees; mm = minutes; mmm = decimal minutes. If less than 10 degrees, always put zero in front of number (e.g.: "5" is written "05")	
Longitude	ddd = degrees; mm = minutes; mmm = decimal minutes.	
N / S and E / W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.	
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one. If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the "Spraying, Chumming or Poling" starts when the vessel starts trying to attract fish by chumming bait, using sprayers or other means	
(Activity Code "1")	"Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.	
SCHOOL ASSOC.	The "SCHOOL ASSOCIATION" codes are used to show if the school with a floating object, a marine mammal or whale shark or is a free school. If it is a free school then the "SCHOOL ASSOCIATION" codes show if it is feeding on a school of baitfish (not the vessel's bait) or not associated with anything.	
DETECT	Use "HOW DETECTED" codes to <u>best</u> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found.	
COMMENTS	Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no ???" in the comments.	

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes. Only use the family group codes provided if you are unable to identify the bait down to species level.
NO. OF BUCKETS	Total number of buckets of bait brought onto boat to put into the bait wells - associated with either of the two Activity Codes "14" and "16" - bait fishing and bait buying. If the boat runs out of bait causing the boat to stop fishing (change activity), record "No More Bait" in the comment column in the line that you record the next activity. The Activity Code "Bait fishing" starts when the vessel first starts to set any gear (not counting the lights) to catch bait. Bait fishing ends (the next Activity starts with a new code) when the bait catching gear is pulled back on board again. Bait buying covers the period from start to finish of loading of purchased bait
IMPORTANT NOTES!	

**FLOATING OBJECTS AND SCHOOL SIGHTINGS**

IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
Tally Total	During the day make a stroke every time you see something. At the end of the day add the strokes and write in the total.
Floating objects (with no school)	Make a stroke here every time you see a floating object that doesn't seem to have tuna with it.
Schools under floating objects	Make a stroke here every time you see a floating object with tuna swimming around it.
Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.

**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).

**SPC/FFA REGIONAL POLE AND LINE OBSERVER  
DAILY LOG**

**FORM PL - 2**

REVISED DEC. 2014  
OBSERVER NAME

SHIPS TIME		LATITUDE (dd° mm.mmm')	N S	LONGITUDE (ddd° mm.mmm')	E W	ACTIVITY CODE	SCHOOL ASSOC. DETECT	BAIT SPECIES 1 SPECIES 2 SPECIES 3 SPECIES 4				No. of BUCKETS	COMMENTS No. - from PL-3 (and Set)	OBSERVER TRIP ID NUMBER	VESSEL NAME	OBSERVER NAME	PAGE OF
START OF DAY		SHIP'S DATE		SHIP'S TIME		UTC DATE		ALL MUST BE RECORDED									
BUCKETS OF BAIT ONBOARD:																	
<p><b>ACTIVITY CODES</b></p> <ol style="list-style-type: none"> <li>Spraying, chumming or poling</li> <li>Searching</li> <li>Transit</li> <li>No fishing - breakdown</li> <li>No fishing - bad weather</li> <li>In port - please specify</li> <li>Anchored in bait grounds</li> <li>Anchored free school</li> <li>Investigate floating object</li> <li>Deploy - raft, FAD or payao</li> <li>Retrieval - raft, FAD or payao</li> <li>No fishing - drifting at day's end</li> <li>No fishing - drifting with log</li> <li>No fishing - other (please specify)</li> <li>Bait fishing</li> <li>Retrieve - Buoy (change only)</li> <li>Deploy - Buoy (change only)</li> <li>Bait buying</li> <li>Servicing FAD or floating object</li> </ol> <p><b>SCHOOL ASSOCIATION</b></p> <ol style="list-style-type: none"> <li>Unassociated</li> <li>Feeding on baitfish } Free schools</li> <li>Drifting log, debris or dead animal</li> <li>Drifting raft, FAD or payao</li> <li>Anchored raft, FAD or payao</li> <li>Live w hale</li> <li>Live w hale shark</li> <li>Other (please specify)</li> <li>No tuna associated</li> </ol> <p><b>HOW DETECTED</b></p> <ol style="list-style-type: none"> <li>Seen from vessel</li> <li>Seen from helicopter</li> <li>Marked with beacon</li> <li>Bird radar</li> <li>Sonar / depth sounder</li> <li>Info. from other vessel</li> <li>Anchored FAD / payao</li> </ol>																	
												DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3 TODAY ?		YES NO (circle one)		Journal pg#	
												Free schools		Tally		Total	
												Free floating objects (no anchor)		Tally		Total	
												Free floating objects (with NO school)		Tally		Total	
												Free floating objects (with school)		Tally		Total	
												Anchored floating objects (with NO school)		Tally		Total	
												Anchored floating objects (with school)		Tally		Total	
												FLOATING OBJECT AND SCHOOL SIGHTINGS		Tally		Total	
												Example 411		6			
												FLOATING OBJECT AND SCHOOL SIGHTINGS		Tally		Total	

OBSERVER NAME	First name first and last name last. Be sure to print full name.
VESSEL NAME	Vessel's full name with no abbreviations. E.g., the "Captain Kalahari 3" should not be abbreviated to the "Capt. Kalahari".
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SHIP'S DATE	Write the date that the officers and crew use on the vessel
SHIP'S TIME	Write the time that the officers and crew are using (the time that is on the ship's clock).
UTC DATE	Get the date from the GPS at the same time as you record the date the vessel is using.
UTC TIME	Note that the date on the GPS (UTC) could indicate a different date. Still report this date. Get "UTC time" from the GPS at the same time as you record "Ship's time". Note that "UTC time" (from GPS) will usually differ from "Ship's time" unless the vessel is using
SHIPSTIME	Record the "Ship's time" every time the activity changes (as often as necessary). Record all codes and other details for each activity.

**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments	Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)
Latitude	ddd = degrees; mm = minutes; mmm = decimal minutes. If less than 10 degrees, always put zero in front of number (e.g.: "5" is written "05")	
Longitude	ddd = degrees; mm = minutes; mmm = decimal minutes.	
N / S and E / W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.	
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one. If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the	
(Activity Code "1")	"Spraying, Chumming or Poling" starts when the vessel starts trying to attract fish by chumming bait, using sprayers or other means "Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.	
SCHOOL ASSOC.	The "SCHOOL ASSOCIATION" codes are used to show if the school with a floating object, a marine mammal or whale shark or is a free school. If it is a free school then the "SCHOOL ASSOCIATION" codes show if it is feeding on a school of baitfish (not the vessel's bait) or not associated with anything.	
DETECT	Use "HOW DETECTED" codes to <b>best</b> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found.	
COMMENTS	Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no ???" in the comments.	

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes.
NO. OF BUCKETS	Only use the family group codes provided if you are unable to identify the bait down to species level. Total number of buckets of bait brought onto boat to put into the bait wells - associated with either of the two Activity Codes "14" and "16" - bait fishing and bait buying. If the boat runs out of bait causing the boat to stop fishing (change activity), record "No More Bait" in the comment column in the line that you record the next activity. The Activity Code "Bait fishing" starts when the vessel first starts to set any gear (not counting the lights) to catch bait. Bait fishing ends (the next Activity starts with a new code) when the bait catching gear is pulled back on board again. Bait buying covers the period from start to finish of loading of purchased bait
IMPORTANT NOTES!	
FLOATING OBJECTS AND SCHOOL SIGHTINGS	

IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
Tally	During the day make a stroke every time you see something. At the end of the day add the strokes and write in the total.
Floating objects (with no school)	Make a stroke here every time you see a floating object that doesn't seem to have tuna with it.
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**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).





**OBSERVERS DAILY LOG**

OBSERVER NAME	First name first and last name last. Be sure to print full name.
VESSEL NAME	Vessel's full name with no abbreviations. E.g., the "Captain Kalahari 3" should not be abbreviated to the "Capt. Kalahari".
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**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).

**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments	Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)
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N / S and E / W	Check the GPS. This is very important ! Never forget to record N, S, E or W beside the position.	
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one. If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the (Activity Code "1")	
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**BAIT FISHING**

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**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).

**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments	Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)
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(Activity Code "1")	"Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.	
SCHOOL ASSOC.	The "SCHOOL ASSOCIATION" codes are used to show if the school with a floating object, a marine mammal or whale shark or is a free school. If it is a free school then the "SCHOOL ASSOCIATION" codes show if it is feeding on a school of baitfish (not the vessel's bait) or not associated with anything.	
DETECT	Use "HOW DETECTED" codes to <b>best</b> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found.	
COMMENTS	Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no.?" in the comments.	

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes. Only use the family group codes provided if you are unable to identify the bait down to species level.
NO. OF BUCKETS	Total number of buckets of bait brought onto boat to put into the bait wells - associated with either of the two Activity Codes "14" and "16" - bait fishing and bait buying. If the boat runs out of bait causing the boat to stop fishing (change activity), record "No More Bait" in the comment column in the line that you record the next activity. The Activity Code "Bait fishing" starts when the vessel first starts to set any gear (not counting the lights) to catch bait. Bait fishing ends (the next Activity starts with a new code) when the bait catching gear is pulled back on board again. Bait buying covers the period from start to finish of loading of purchased bait
IMPORTANT NOTES!	<b>FLOATING OBJECTS AND SCHOOL SIGHTINGS</b>
IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".

Tally	Total	During the day make a stroke every time you see something. At the end of the day add the strokes and write in the total.
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Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.	

**SPC/IFFA REGIONAL POLE AND LINE OBSERVER  
DAILY LOG**

**FORM PL - 2**

REVISED DEC. 2014

OBSERVER NAME										OBSERVER TRIP ID NUMBER				PAGE OF	
SHIPS TIME	LATITUDE		LONGITUDE		ACTIVITY CODE	SCHOOL ASSOC. DETECT	BAIT				COMMENTS No. - from PL-3 (and Set - from PL-3)	START OF DAY SHIP'S DATE	SHIP'S TIME UTC DATE		
	(dd° mm.mmm')	N	(ddd° mm.mmm')	S			SPECIES 1	SPECIES 2	SPECIES 3	SPECIES 4				No. of BUCKETS	
<b>ALL MUST BE RECORDED</b>															
BUCKETS OF BAIT ON BOARD:															
<p><b>ACTIVITY CODES</b></p> <p>1 Spraying, chumming or poling                  2 Searching                  3 Transit                  4 No fishing - breakdown                  5 No fishing - bad weather                  6 In port - please specify                  7 Anchored in bait grounds                  8 Investigate free school                  9 Deploy - raft, FAD or payao                  10R Retrieval - raft, FAD or payao                  11 No fishing - drifting at day's end                  12 No fishing - drifting with log                  13 No fishing - other (please specify)                  14 Bait fishing                  15D Retrieve - Buoy (change only)                  15R Deploy - Buoy (change only)                  16 Bait buying                  17 Servicing FAD or floating object</p> <p><b>SCHOOL ASSOCIATION</b></p> <p>1 Unassociated                  2 Feeding on baitfish } Free schools                  3 Drifting log, debris or dead animal                  4 Drifting raft, FAD or payao                  5 Anchored raft, FAD or payao                  6 Live whale                  7 Live whale shark                  8 Other (please specify)                  9 No tuna associated</p> <p><b>HOW DETECTED</b></p> <p>1 Seen from vessel                  2 Seen from helicopter                  3 Marked with beacon                  4 Bird radar                  5 Sonar / depth sounder                  6 Info. from other vessel                  7 Anchored FAD / payao</p>															

FLOATING OBJECT AND SCHOOL SIGHTINGS	FLOATING OBJECT AND SCHOOL SIGHTINGS			Free schools	DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3 TODAY ? <b>Journal</b> pg #
	Tally	Total	Total		
	111	6	6		

OBSERVER NAME	First name first and last name last. Be sure to print full name.
VESSEL NAME	Vessel's full name with no abbreviations. E.g., the "Captain Kalahari 3" should not be abbreviated to the "Capt. Kalahari".
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**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments
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N/S and E/W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.
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IMPORTANT NOTES!	

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**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing

(left over from previous day plus bait added last night).

Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)



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**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
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Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)

**SPC/IFFA REGIONAL POLE AND LINE OBSERVER  
DAILY LOG**

**FORM PL - 2**

REVISED DEC. 2014

OBSERVER NAME

VESSEL NAME

OBSERVER TRIP/ID NUMBER

PAGE OF

SHIPS TIME	LATITUDE (dd° mm.mmm')	N S	LONGITUDE (ddd° mm.mmm')	E W	ACTIVITY CODE	SCHOOL ASSOC./DETECT	BAIT			No. of BUCKETS	COMMENTS (and Set No. - from PL-3)	START OF DAY SHIP'S DATE	SHIP'S TIME (YYYY-MM-DD)
							SPECIES 1	SPECIES 2	SPECIES 3				

UTC DATE

UTC TIME

**ALL MUST BE RECORDED**

BUCKETS OF BAIT ONBOARD:

**ACTIVITY CODES**

- 1 Spraying, chumming or poling
- 2 Searching
- 3 Transit
- 4 No fishing - breakdown
- 5 No fishing - bad weather
- 6 In port - please specify
- 7 Anchored in bait grounds
- 8 Investigate free school
- 9 Investigate floating object
- 10D Deploy - raft, FAD or payao
- 10R Retrieval - raft, FAD or payao
- 11 No fishing - drifting at day's end
- 12 No fishing - drifting with log
- 13 No fishing - other (please specify)
- 14 Bait fishing
- 15D Retrieve - Buoy (change only)
- 15R Deploy - Buoy (change only)
- 16 Bait buying
- 17 Servicing FAD or floating object

**SCHOOL ASSOCIATION**

- 1 Unassociated
- 2 Feeding on baitfish } Free schools
- 3 Drifting log, debris or dead animal
- 4 Drifting raft, FAD or payao
- 5 Anchored raft, FAD or payao
- 6 Live whale
- 7 Live whale shark
- 8 Other (please specify)
- 9 No tuna associated

**HOW DETECTED**

- 1 Seen from vessel
- 2 Seen from helicopter
- 3 Marked with beacon
- 4 Bird radar
- 5 Sonar / depth sounder
- 6 Info. from other vessel
- 7 Anchored FAD / payao

FLOATING OBJECT AND SCHOOL SIGHTINGS	FLOATING OBJECT AND SCHOOL SIGHTINGS		Anchored floating objects (with NO school) (with school)		Free floating objects (no anchor) (with NO school) (with school)		Free schools		DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3 TODAY ?	
	Tally	Total	Tally	Total	Tally	Total	Tally	Total	YES	NO
	111	6								

Journal pg.#

(circle one)

OBSERVER NAME	First name first and last name last. Be sure to print full name.
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**BUCKETS OF BAIT ONBOARD**

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**SPC/IFFA REGIONAL POLE AND LINE OBSERVER  
DAILY LOG**

**FORM PL - 2**

REVISED DEC. 2014  
OBSERVER NAME

SHIPS TIME	LATITUDE (dd° mm.mm'mm')	N S	LONGITUDE (ddd° mm.mm'mm')	E W	ACTIVITY CODE	SCHOOL		BAIT				No. of BUCKETS	COMMENTS (No. - from PL-3) (and Set)	START OF DAY SHIP'S DATE SHIP'S TIME	PAGE OF																																
						ASSOC.	DETECT	SPECIES 1	SPECIES 2	SPECIES 3	SPECIES 4					UTC DATE	UTC TIME																														
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3	Transit																																														
4	No fishing - breakdown																																														
5	No fishing - bad weather																																														
6	In port - please specify																																														
7	Anchored in bait grounds																																														
8	Investigate free school																																														
9	Investigate floating object																																														
10D	Deploy - raft, FAD or payao																																														
10R	Retrieval - raft, FAD or payao																																														
11	No fishing - drifting at day's end																																														
12	No fishing - drifting with log																																														
13	No fishing - other (please specify)																																														
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**ACTIVITY LOG**

LATITUDE and LONGITUDE	Get this from the GPS and always record in degrees, minutes and minutes to 3 decimal places. This is how it is usually shown on the screen. If the GPS shows seconds instead of 3 decimal places of minutes, then record the seconds but note that you recorded seconds in the comments	Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)
Latitude	ddd = degrees; mm = minutes; mmm = decimal minutes.	
Longitude	ddd = degrees; mm = minutes; mmm = decimal minutes.	
N / S and E / W	Check the GPS. This is very important! Never forget to record N, S, E or W beside the position.	
ACTIVITY CODE	These codes are on the front. Only use one activity code at a time even if two codes seem to fit. Choose the best one.	
(Activity Code "1")	If there are two possible activities for the same time, record the code for the main activity on the sheet, then comment on the other activity in the "Spraying, Chumming or Poling" starts when the vessel starts trying to attract fish by chumming bait, using sprayers or other means	
SCHOOL ASSOC.	"Spraying, Chumming or Poling" ends when no more fish are being caught and vessel starts searching for another school or starts another activity (new Activity Code). Small periods (minutes) of not fishing are common (when vessel moves to catch up with fish for example) and should not mark the end of a Code "1" period.	
DETECT	The "SCHOOL ASSOCIATION" codes are used to show if the school with a floating object, a marine mammal or whale shark or is a free school. If it is a free school then the "SCHOOL ASSOCIATION" codes show if it is feeding on a school of baitfish (not the vessel's bait) or not associated with anything.	
COMMENTS	Use "HOW DETECTED" codes to <b>best</b> describe how your boat found the fish. If more than one code fits use the one that best describes how the fish were found. Make extra notes about anything that you think may <b>add</b> useful information to the information that is already on this daily log form. If you need more room for writing this information put it in your daily journal and write "see Journal page no ???" in the comments.	

**BAIT FISHING**

SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes. Only use the family group codes provided if you are unable to identify the bait down to species level.
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IMPORTANT NOTES!	

**FLOATING OBJECTS AND SCHOOL SIGHTINGS**

IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
Tally Total	During the day make a stroke every time you see something. At the end of the day add the strokes and write in the total.
Floating objects (with no school)	Make a stroke here every time you see a floating object that doesn't seem to have tuna with it.
Schools under floating objects	Make a stroke here every time you see a floating object with tuna swimming around it.
Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.

**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night).

**SPC/IFFA REGIONAL POLE AND LINE OBSERVER  
DAILY LOG**

**FORM PL - 2**

SHIPS TIME		LATITUDE (dd° mm.mmm')	N	LONGITUDE (ddd° mm.mmm')	W	E CODE	ACTIVITY CODE	SCHOOL ASSOC.	DETECT	BAIT SPECIES 1   SPECIES 2   SPECIES 3   SPECIES 4			No. of BUCKETS	COMMENTS (and Set No. - from PL-3)	OBSERVER TRIP ID NUMBER	VESSEL NAME	PAGE	OF			
START OF DAY		SHIP'S DATE		SHIP'S TIME		UTC DATE		UTC TIME		ALL MUST BE RECORDED											
START OF DAY		SHIP'S DATE		SHIP'S TIME		UTC DATE		UTC TIME		ALL MUST BE RECORDED											
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BUCKETS OF BAIT ONBOARD:																					
<p><b>ACTIVITY CODES</b></p> <ol style="list-style-type: none"> <li>Spraying, chumming or polling</li> <li>Searching</li> <li>Transit</li> <li>No fishing - breakdown</li> <li>No fishing - bad weather</li> <li>In port - please specify</li> <li>Anchored in bait grounds</li> <li>Investigate free school</li> <li>Investigate floating object</li> <li>Deploy - raft, FAD or payao</li> <li>Retrieval - raft, FAD or payao</li> <li>No fishing - drifting at day's end</li> <li>No fishing - drifting with log</li> <li>No fishing - other (please specify)</li> <li>Bait fishing</li> <li>Retrieve - Buoy (change only)</li> <li>Deploy - Buoy (change only)</li> <li>Bait buying</li> <li>Servicing FAD or floating object</li> </ol> <p><b>SCHOOL ASSOCIATION</b></p> <ol style="list-style-type: none"> <li>Unassociated</li> <li>Feeding on baitfish } Free schools</li> <li>Drifting log, debris or dead animal</li> <li>Drifting raft, FAD or payao</li> <li>Anchored raft, FAD or payao</li> <li>Live whale</li> <li>Live whale shark</li> <li>Other (please specify)</li> <li>No tuna associated</li> </ol> <p><b>HOW DETECTED</b></p> <ol style="list-style-type: none"> <li>Seen from vessel</li> <li>Seen from helicopter</li> <li>Marked with beacon</li> <li>Bird radar</li> <li>Sonar / depth sounder</li> <li>Info. from other vessel</li> <li>Anchored FAD / payao</li> </ol>																					
														DID YOU OBSERVE ANY EVENTS TO RECORD ON FORM GEN-3, TODAY ?		YES		NO		Journal pg#	
														Free schools		Tally		Total			
														Free floating objects (no anchor)		Tally		Total			
														Free floating objects (with NO school)		Tally		Total			
														Free floating objects (with school)		Tally		Total			
														Anchored floating objects (with NO school)		Tally		Total			
														Anchored floating objects (with school)		Tally		Total			
														FLOATING OBJECT AND SCHOOL SIGHTINGS		Tally		Total		6	
														FLOATING OBJECT AND SCHOOL SIGHTINGS		Tally		Total		6	

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SPECIES 1, 2, 3	If the activity code is "14" (Bait fishing) or "16" (Bait buying) record the three most common species that are caught or bought. Use FAO species codes . Only use the family group codes provided if you are unable to identify the bait down to species level.
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IMPORTANT NOTES!	

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IMPORTANT NOTES!	A floating object can be a tree, log, drum, FAD, payao or any other floating debris. Fish not associated with a floating object are free schools. Free schools can be either "feeding on bait fish" or completely on their own "unassociated".
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**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing

(left over from previous day plus bait added last night).

Activities involving FADs/floating objects must relate to records in the GEN-5 forms (FAD and Floating Object Information)





**OBSERVERS DAILY LOG**

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Free schools	Make a stroke when you see tuna that has no floating object with it. These tuna may or may not be feeding on bait fish.

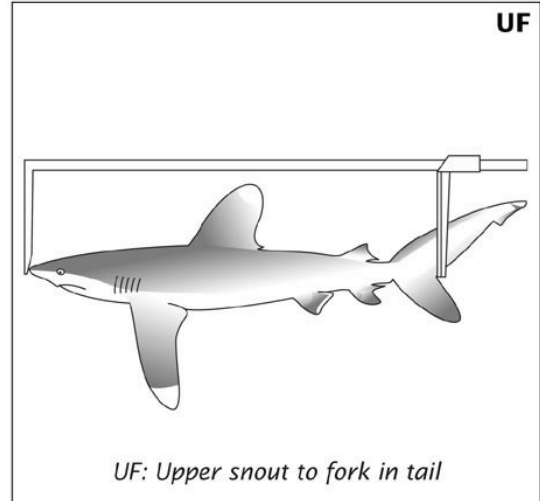
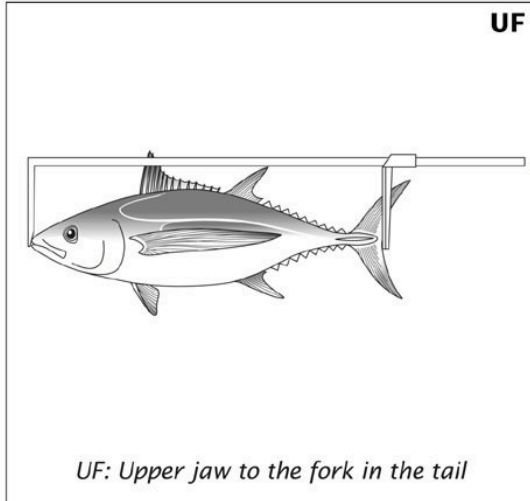
**BUCKETS OF BAIT ONBOARD**

At start of day assess amount of bait onboard available for fishing  
(left over from previous day plus bait added last night)

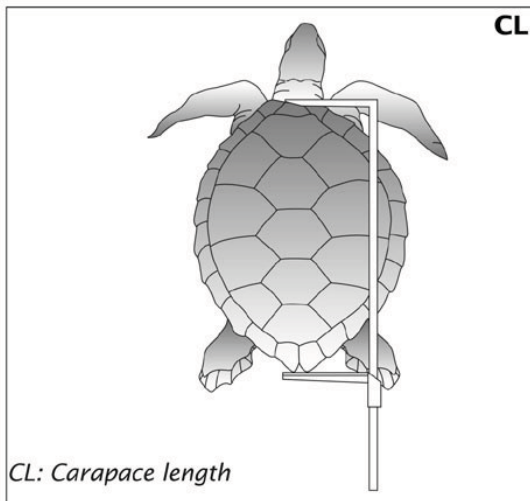
## Pole-and-Line Length Measurements



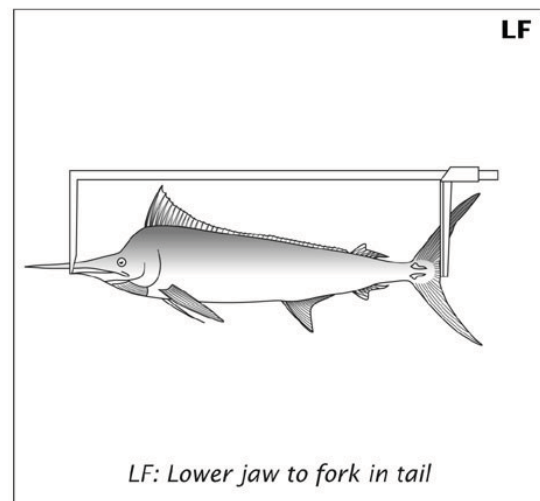
These are the best measurements to do onboard a Pole-and-line Vessel.



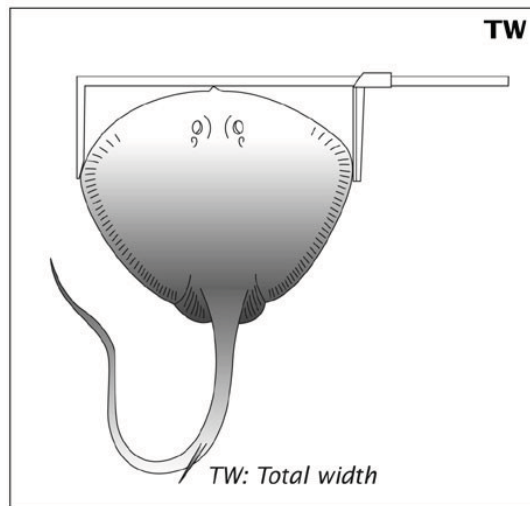
UF – (for all tuna, bycatch and sharks)



CL – (for turtles)



LF – (for all billfish)



TW – (for rays)



SPC/IFFA REGIONAL OBSERVER

FORM GEN - 1

VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS

REV. MAR. 2014

OBSERVER NAME

VESSEL NAME

OBSERVER TRIP ID NUMBER

PAGE OF

VESSEL OR AIRCRAFT SIGHTINGS

SHIP'S TIME		OBSERVER'S VESSEL POSITION			SIGHTED VESSEL OR AIRCRAFT			COMPASS BEARING (degrees)	DISTANCE (Nautical Miles)	ACTION CODE (seen vessel)	PHOTO FRAME #	COMMENTS
DATE (MMDD)	TIME (hh mm)	LATITUDE (dd° mm.mmm')	N	LONGITUDE (ddd° mm.mmm')	E	NAME	INTERNATIONAL CALLSIGN	FLAG	TYPE CODE			
1			S	W								
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												

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

SHIP'S TIME		OBSERVER'S VESSEL POSITION			OTHER VESSEL			FISH TRANSFERRED (circle units)			ACTION CODE (host vessel)	COMMENTS	
DATE (MMDD)	TIME (hh mm)	LATITUDE (dd° mm.mmm')	N	LONGITUDE (ddd° mm.mmm')	E	NAME	INTERNATIONAL CALLSIGN	FLAG	TYPE CODE	SKJ WGT. NO.	YFT WGT. NO.	BET WGT. NO.	
1			S	W									
2													
3													

VESSEL AND AIRCRAFT TYPE CODES

- 1 SINGLE PURSE SEINE
- 2 LONGLINE
- 3 POLE AND LINE
- 4 MOTHERSHIP
- 5 TROLL
- 6 NET BOAT
- 7 BUNKER
- 8 SEARCH, ANCHOR OR LIGHT BOAT
- 9 FISH CARRIER
- 10 TRAWLER
- 21 LIGHT AIRCRAFT
- 22 HELICOPTER
- 31 OTHER - please specify:.....

FLAG COUNTRY CODES

- IF COUNTRY IS NOT IN LIST WRITE NAME OF COUNTRY
- CN CHINA
- JP JAPAN
- TW TAIWAN
- KR KOREA
- US USA
- PH PHILIPPINES
- PA PANAMA
- HN HONDURAS
- BZ BELIZE
- RU RUSSIA
- SG SINGAPORE
- LK SRI LANKA
- VU VANUATU

ACTION CODES

- FISHING INCLUDES ANY FISHING RELATED ACTIVITY NOT OTHERWISE COVERED HERE
- FI FISHING
- PF POSSIBLY FISHING
- NF NOT FISHING
- DF DUMPING FISH
- RE RECEIVING
- TR TRANSHIPPING FISH
- SR SET SHARING
- BR BUNKERING
- OR OTHER ..specify...
- OG OTHER ..specify...
- GV GIVING
- TG TRANSHIPPING FISH (from hold in one boat to hold in other)
- SG SET SHARING... (from one boat's net to another boat's hold)
- BG BUNKERING

ALL WEIGHTS MUST BE METRIC TONNES

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

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

**SIGHTED VESSEL OR AIRCRAFT**

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

Date/Time Ship's date / time at start of sighting or transfer activity (dd/mm/yy hh:mm)  
 Latitude dd°mm.mmm' Take positions from the GPS.  
 Longitude ddd°mm.mmm' 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.  
 & Also be sure to note longitude as East or West of the 180° line.  
 E W 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 Check compass and radar for a bearing and an exact distance (degrees) and from the observer's vessel to the other vessel.  
 Distance (nautical miles) Estimate the distance if the radar is not available.  
 Action Code In this section the "action code" describes the activity the sighted (seen) vessel is involved in when it was observed.  
 (seen vess) 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**

Other vessel name Name of any other vessel that is involved in a transfer operation with the observer's vessel.  
 International call sign The call-sign that should be visibly painted on the other vessel.  
 Type Code Use the "Vessel and aircraft type codes" on front of this form to describe what type of vessel is receiving the fish.  
 SkipJack Weight Total Weight of Skipjack that has been transferred  
 Yellowfin weight Total Weight of Yellowfin that has been transferred  
 Bigeye Weight Total Weight of Bigeye that has been transferred  
 "Blank" Weight Record the species code for any other type of species that are being transferred.  
 Action Code See codes on front of Form.  
 Comments Comment about the transfer activities that take place (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 describes the activity of the observer's vessel. If with (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.  
 Use the "?R" codes if host vessel has too many fish after all wells are filled (usually from its last set) and another vessel is invited to trail the remaining fish from the its net.  
 Use the "?G" codes if the host vessel is giving fish or items to another vessel  
 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  
 TR, TG - transferring fish between vessel holds  
 SR, SG - set sharing - when vessel comes from either by seeing the actual flag flying or by the home-port name on the stern.  
 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 KO - 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 call sign is Q2344. It has a large green stripe on the hull and a photo has been taken by the observer.



SPC/FFA REGIONAL OBSERVER

FORM GEN - 1

VESSEL AND AIRCRAFT SIGHTINGS / FISH, BUNKERING and OTHER TRANSFERS LOGS

REV. MAR. 20 14  
OBSERVER NAME

VESSEL NAME

OBSERVER TRIP ID NUMBER

PAGE OF

VESSEL OR AIRCRAFT SIGHTINGS

SHIP'S TIME		OBSERVER'S VESSEL POSITION				SIGHTED VESSEL OR AIRCRAFT			COMPASS BEARING (degrees)	DISTANCE (Nautical Miles)	ACTION CODE (seen vessel)	PHOTO FRAME #	COMMENTS
DATE (MMDD)	TIME (hh:mm)	LATITUDE (dd° mm.mmm')	N	LONGITUDE (ddd° mm.mmm')	E	NAME	INTERNATIONAL CALLSIGN	FLAG	TYPE CODE				
1					W								
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													

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

SHIP'S TIME		OBSERVER'S VESSEL POSITION				OTHER VESSEL			FISH TRANSFERRED (circle units)			ACTION CODE (host vessel)	COMMENTS	
DATE (MMDD)	TIME (hh:mm)	LATITUDE (dd° mm.mmm')	N	LONGITUDE (ddd° mm.mmm')	E	NAME	INTERNATIONAL CALLSIGN	FLAG	TYPE CODE	SKJ WGT.	YFT NO.	BET WGT. NO.		
1					W									
2														
3														

VESSEL AND AIRCRAFT TYPE CODES

- 1 SINGLE PURSE SEINE
- 2 LONGLINE
- 3 POLE AND LINE
- 4 MOTHERSHIP
- 5 TROLL
- 6 NET BOAT
- 7 BUNKER
- 8 SEARCH, ANCHOR OR LIGHT BOAT
- 9 FISH CARRIER
- 10 TRAWLER
- 21 LIGHT AIRCRAFT
- 22 HELICOPTER
- 31 OTHER - please specify; .....

FLAG COUNTRY CODES

- IF COUNTRY IS NOT IN LIST WRITE NAME OF COUNTRY
- CN CHINA
- JP JAPAN
- TW TAIWAN
- KR KOREA
- US USA
- PH PHILIPPINES
- PA PANAMA
- HN HONDURAS
- BZ BELIZE
- RU RUSSIA
- SG SINGAPORE
- LK SRILANKA
- VU VANUATU

ACTION CODES

- FISHING INCLUDES ANY FISHING RELATED ACTIVITY NOT OTHERWISE COVERED HERE
- F1 FISHING
- PF POSSIBLY FISHING
- NF NOT FISHING
- DF DUMPING FISH
- TR TRANSHIPPING FISH
- SR SET SHARING
- BR BUNKERING
- OR OTHER ..specify;... ..
- RECEIVING
- BG BUNKERING
- OG OTHER ..specify;... ..
- GIVING
- TG TRANSHIPPING FISH (from hold in one boat to hold in other)
- SG SET SHARING...(from one boat's net to another boat's hold)

ALL WEIGHTS MUST BE METRIC TONNES

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 divi

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

**SIGHTED VESSEL OR AIRCRAFT**

Be as thorough as you possibly can when filling this section of the form. Any small piece of information can assist in identifying the vessel. This is especially important if you can not see the name or call sign. If you can not get some information beca

Date/Time	Ship's date / time at start of sighting or transfer activity (dd/mm/yy hh:mm)
Latitude Longitude	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 <b>type codes</b> " are on front of Form. E.g.: purse -seiner = 1; longliner = 2; etc.
Compass bearing (degrees) and Distance (nautical miles)	Check compass and radar for a bearing and an exact distance from the observer's vessel to the other vessel. Estimate the distance if the radar is not available.

Action Code (seen vess)	In this section the "action code" describes the activity the sighted (seen) vessel is involved in when it was observed. If unsure of the best code, describe the activity in "comments".
Photo Frame #	If taking a photo, record the camera's photo frame number.

Comments 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, es

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

Other vessel name	Name of any other vessel that is involved in a transfer operation with the observer's vessel.
International callsign	The call-sign that should be visibly painted on the other vessel
Type Code	Use the "Vessel and aircraft <b>type codes</b> " on front of this form to describe what type of vessel is receiving the fish.
SkipJack Weight	Total Weight of Skipjack that has been transferred
Yellowfin weight	Total Weight of Yellowfin that has been transferred
Bigeye Weight	Total Weight of Bigeye that has been transferred
"Blank" Weight	Record the species code for any other type of species that are being transferred.
Action Code	See codes on front of Form.
Comments	Comment about the transfer activities that take place (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 describes the activity of the observer's vessel. If with another vessel use a code that shows whether the observer's (host) vessel receives ("_R") or it gives ("_G") items. 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. 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
Host vessel = vessel that 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	
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 KO - 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°12.345S and longitude: 156°12.233E. The name of the vessel is *Moonshadow* and its callsign is Q2344. It has a large green stripe on the hull

**SPC/FFA REGIONAL OBSERVER  
SPECIES OF SPECIAL INTEREST**

**FORM GEN - 2**

REVISED MAR. 2014

OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER	PAGE OF
---------------	-------------	-------------------------	---------

SPECIES CODE	SPECIES DESCRIPTION
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**THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel:**

SIGHTED ONLY:  INTERACTED WITH THE VESSEL'S GEAR ONLY:  LANDED ON DECK:

TIME OF FIRST OBSERVER SIGHTING	hh: mm	SHIP'S DATE AND TIME	LATITUDE	N S	LONGITUDE	E W
DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4)	YY	MM DD hh mm	(dd°mm.mmm')		(ddd°mm.mmm')	

**DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET?** (circle one) Yes / No / No Set

**SPECIES LANDED ON DECK:**

<b>CONDITION LANDED:</b>	CONDITION CODE	CONDITION DESCRIPTION
<b>CONDITION DISCARDED</b>	CONDITION CODE	CONDITION DESCRIPTION
DESCRIBE INTERACTION / TREATMENT / RELEASE		LENGTH (cm)
		LENGTH CODE
		SEX (M-F-I-U)

TAGS	RETRIEVED			PLACED		
	TAG NUMBER	TYPE	ORGANISATION	TAG NUMBER	TYPE	ORGANISATION

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

VESSEL ACTIVITY DURING INTERACTION: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

CONDITION	START of INTERACTION:			END of INTERACTION:		
	No.	Condition Code	CONDITION DESCRIPTION	No.	Condition Code	CONDITION DESCRIPTION

DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE

**SPECIES SIGHTED**

VESSEL ACTIVITY WHEN SIGHTED: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

NUMBER SIGHTED	NUMBER OF ADULTS	NUMBER OF JUVENILES	ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail)
DISTANCE FROM VESSEL	SPECIES BEHAVIOUR WHEN SIGHTED		
m			

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

**SPECIES LANDED ON DECK:**

<b>USE THESE CONDITION CODES</b>	<b>A0</b> - Alive but unable to describe condition.	<i>Normally use one GEN-2 for every SSI landed, but if many animals are landed in a PS set use the GEN-2 supplement to record condition, length, and sex of up to 30; then use a PS-4 to record lengths if more than 30.</i>
	<b>A1</b> - Alive and healthy.	
	<b>A2</b> - Alive, but injured or distressed.	
	<b>A3</b> - Alive, but unlikely to live.	
	<b>A4</b> - Entangled, okay.	
	<b>A5</b> - Entangled, injured.	
	<b>A6</b> - Hooked, externally, injured.	
	<b>A7</b> - Hooked, internally, injured.	
	<b>A8</b> - Hooked, unknown, injured.	
	<b>D</b> - Dead	<b>U</b> - Condition unknown.
	<b>D1</b> - Entangled, dead	<b>U1</b> - Entangled, unknown condition.
	<b>D2</b> - Hooked, externally, dead.	<b>U2</b> - Hooked, externally, condition unknown.
	<b>D3</b> - Hooked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.
	<b>D4</b> - Hooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.
<b>Condition description</b>	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.	
<b>Describe the Interaction/ treatment/ release</b>	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its release. Continue the description in the journal and record page no. on the form. Refer to WCPFC RHS handling guidelines.	
<b>Length / Length code</b>	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.	
<b>Sex (M-F-I-U)</b>	M - male, F - Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).	

**TAGS**

Record all details about any tags placed or found on the species here.

**Type of Tags**

Record if it was a common dart, an archival (stitched inside body), or a pop-up (stitched to the outside of the body) tag.

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

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

<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.
<b>Condition - No.</b>	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.
<b>- Code</b>	
<b>- Description</b>	
<b>DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE</b>	Add any notes (words) that may help further define condition the SSI condition. For instance, if it was an A2 condition you could mention that the SSI was 'bleeding heavily' to clarify its condition. Make detailed notes on the interaction. If more space is needed use the observer's journal and mark the page number here.

**SPECIES SIGHTED:**

<i>Sightings' refer to SSIs that, as far as an observer can tell, seem not to be directly affected by the vessel's presence. Usually such 'sightings' are at least 100m away. However, when so close, observe carefully for interaction behaviour.</i>	
<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.
<b>Number Sighted</b>	Record the total number of species sighted for this date and time.
<b>Number of Adults</b>	If more than one animal is involved, record the number of adults you can see.
<b>Number of Juveniles</b>	If you can see juveniles with the pod of whales or dolphins record the number here. Otherwise record all animals under "number of adults".
<b>Species Behaviour</b>	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: <i>wake riding</i> (swimming close behind boat); <i>bow riding</i> (swimming off the bow of the boat); <i>logging</i> (floating motionless in a group); <i>breaching</i> (launching themselves into the air head first and then falling back into the water with a splash); <i>lobtailing</i> (tail slapping); <i>playing</i> (having fun !); etc.
<b>Distance from Vessel (m)</b>	Estimate the distance the species was from the vessel.

**SPC/FFA REGIONAL OBSERVER  
SPECIES OF SPECIAL INTEREST**

**FORM GEN - 2**

REVISED MAR. 2014

OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER	PAGE OF
---------------	-------------	-------------------------	---------

SPECIES CODE	SPECIES DESCRIPTION
--------------	---------------------

**THE SPECIES WAS:** Tick to indicate the final encounter of the species with the vessel:  
**SIGHTED ONLY:**       **INTERACTED WITH THE VESSEL'S GEAR ONLY:**       **LANDED ON DECK:**

TIME OF FIRST OBSERVER SIGHTING	hh: mm	SHIP'S DATE AND TIME				LATITUDE (dd°mm.mmm')	N S	LONGITUDE (ddd°mm.mmm')	E W
DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4)		YY	MM	DD	hh	mm			

**DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET?** (circle one) **Yes / No / No Set**

**SPECIES LANDED ON DECK:**

<b>CONDITION LANDED:</b>	CONDITION CODE	CONDITION DESCRIPTION
<b>CONDITION DISCARDED</b>	CONDITION CODE	CONDITION DESCRIPTION

DESCRIBE INTERACTION / TREATMENT / RELEASE	LENGTH (cm)
	LENGTH CODE
	SEX (M-F-I-U)

TAGS	RETRIEVED			PLACED		
	TAG NUMBER	TYPE	ORGANISATION	TAG NUMBER	TYPE	ORGANISATION

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

VESSEL ACTIVITY DURING INTERACTION: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

CONDITION	START of INTERACTION:	No.	Condition Code	CONDITION DESCRIPTION	END of INTERACTION:	No.	Condition Code	CONDITION DESCRIPTION

DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE

**SPECIES SIGHTED**

VESSEL ACTIVITY WHEN SIGHTED: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

NUMBER SIGHTED	NUMBER OF ADULTS	NUMBER OF JUVENILES	ESTIMATE THE OVERALL LENGTH(S) (From the head to the tail)
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DISTANCE FROM VESSEL	SPECIES BEHAVIOUR WHEN SIGHTED
m	

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

**SPECIES LANDED ON DECK:**

<b>USE THESE CONDITION CODES</b>	<b>A0</b> - Alive but unable to describe condition.	<i>Normally use one GEN-2 for every SSI landed, but if many animals are landed in a PS set use the GEN-2 supplement to record condition, length, and sex of up to 30; then use a PS-4 to record lengths if more than 30.</i>		
	<b>A1</b> - Alive and healthy.			
	<b>A2</b> - Alive, but injured or distressed.			
	<b>A3</b> - Alive, but unlikely to live.			
	<b>A4</b> - Entangled, okay.		<b>D</b> - Dead	<b>U</b> - Condition unknown.
	<b>A5</b> - Entangled, injured.		<b>D1</b> - Entangled, dead	<b>U1</b> - Entangled, unknown condition.
	<b>A6</b> - Hooked, externally, injured.		<b>D2</b> - Hooked, externally, dead.	<b>U2</b> - Hooked, externally, condition unknown.
	<b>A7</b> - Hooked, internally, injured.		<b>D3</b> - Hooked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.
	<b>A8</b> - Hooked, unknown, injured.		<b>D4</b> - Hooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.

<b>Condition description</b>	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.
<b>Describe the Interaction/ treatment/ release</b>	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its release. Continue the description in the journal and record page no. on the form. Refer to WCPFC RHS handling guidelines.
<b>Length / Length code</b>	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.
<b>Sex (M-F-I-U)</b>	M - male, F - Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).

**TAGS**

Record all details about any tags placed or found on the species here.

<b>Type of Tags</b>	Record if it was a common dart, an archival (stitched inside body), or a pop-up (stitched to the outside of the body) tag.
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**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

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

<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.
<b>Condition - No.</b>	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.
<b>- Code</b>	
<b>- Description</b>	

<b>DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE</b>	Make detailed notes on the interaction. If more space is needed use the observer's journal and mark the page number here.
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**SPECIES SIGHTED:**

Sightings' refer to SSIs that, as far as an observer can tell, seem not to be directly affected by the vessel's presence. Usually such 'sightings' are at least 100m away. However, when so close, observe carefully for interaction behaviour.

<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.
<b>Number Sighted</b>	Record the total number of species sighted for this date and time.
<b>Number of Adults</b>	If more than one animal is involved, record the number of adults you can see.
<b>Number of Juvenilles</b>	If you can see juvenilles with the pod of whales or dolphins record the number here. Otherwise record all animals under "number of adults".
<b>Species Behaviour</b>	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: <i>wake riding</i> (swimming close behind boat); <i>bow riding</i> (swimming off the bow of the boat); <i>logging</i> (floating motionless in a group); <i>breaching</i> (launching themselves into the air head first and then falling back into the water with a splash); <i>lob tailing</i> (tail slapping); <i>playing</i> (having fun !); etc.
<b>Distance from Vessel (m)</b>	Estimate the distance the species was from the vessel.

**SPC/FFA REGIONAL OBSERVER  
SPECIES OF SPECIAL INTEREST**

**FORM GEN - 2**

REVISED MAR. 2014

OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER	PAGE OF
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SPECIES CODE	SPECIES DESCRIPTION
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**THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel:**  
**SIGHTED ONLY:**       **INTERACTED WITH THE VESSEL'S GEAR ONLY:**       **LANDED ON DECK:**

TIME OF FIRST OBSERVER SIGHTING	hh: mm	SHIP'S DATE AND TIME	LATITUDE	N S	LONGITUDE	E W
		YY MM DD hh mm	(dd°mm.mmm')		(ddd°mm.mmm')	
DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4)						

**DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET?** (circle one) **Yes / No / No Set**

**SPECIES LANDED ON DECK:**

<b>CONDITION LANDED:</b>	CONDITION CODE	CONDITION DESCRIPTION
<b>CONDITION DISCARDED</b>	CONDITION CODE	CONDITION DESCRIPTION

DESCRIBE INTERACTION /TREATMENT / RELEASE	LENGTH (cm)
	LENGTH CODE
	SEX (M-F-I-U)

TAGS	RETRIEVED			PLACED		
	TAG NUMBER	TYPE	ORGANISATION	TAG NUMBER	TYPE	ORGANISATION

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

VESSEL ACTIVITY DURING INTERACTION: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

CONDITION	START of INTERACTION:			END of INTERACTION:	CONDITION DESCRIPTION		
	No.	Condition Code	CONDITION DESCRIPTION		No.	Condition Code	CONDITION DESCRIPTION

DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE

**SPECIES SIGHTED**

VESSEL ACTIVITY WHEN SIGHTED: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

NUMBER SIGHTED	NUMBER OF ADULTS	NUMBER OF JUVENILES	ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail)
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DISTANCE FROM VESSEL	SPECIES BEHAVIOUR WHEN SIGHTED
m	

<b>Observer Name</b>	Print your name in full. First name first, then your family name (e.g "John Masa").			
<b>Vessel Name</b>	Print the vessel's name in full. Do not use abbreviations.			
<b>Observer Trip ID Number</b>	This is the number issued by your observer programme. It will be the same all trip.			
<b>Page ___ of ___</b>	Number all the GEN-2 forms together, in sequence. Continue until the trip is complete.			
<b>Species Code</b>	Use the three-letter FAO species code.			
<b>Species Description</b>	Use this field to describe some of the identifying features of the species. This may help us to correctly identify the species. Consider the colour, any distinctive markings, the shape of the head, fins, tail, the position of the blow hole and the place of the fins in relation to other body parts.			
<b>Tick to indicate the FINAL encounter</b>	Tick one box only - to indicate the FINAL encounter the species of special interest had with the vessel. For instance, if you a marine mammal that was interacting with the vessel (swimming around the vessel) and it was subsequently landed, tick 'landed on deck'.			
<b>Time of first observer sighting</b>	Note the time the observer FIRST noted the species of special interest.			
<b>Details of the FINAL encounter</b> (for any landings see PS-2, PL-2 or LL-4)	Note the ship's date and time, and the position at the start of the final encounter. For instance, if the final encounter was an interaction mark the time, date and position of the start of the interaction. Otherwise record the details for when the observer first noted the SSI during the interaction. If the final encounter is landed on deck you must record the start of set ship's time from PS-2, PL-2 or the ship's time landed from			
<b>Latitude / Longitude</b>	Note start of set position for species landed on deck. If a species was only sighted or only interacted with gear, note position the vessel was in when species was first seen.			
<b>Did the Observer Sight the SSI before the set?</b>	Circle one of the choices. For instance, circle Yes to indicate that the observer saw the SSI before the set was made. This question is most relevant for PS vessels, but should be answered for all gears.			
<b>SPECIES LANDED ON DECK:</b>				
<b>USE THESE CONDITION CODES</b>	<b>A0</b> - Alive but unable to describe condition.	<i>Normally use one GEN-2 for every SSI landed, but if many animals are landed in a PS set use the GEN-2 supplement to record condition, length, and sex of up to 30; then use a PS-4 to record lengths if more than 30.</i>		
	<b>A1</b> - Alive and healthy.			
	<b>A2</b> - Alive, but injured or distressed.			
	<b>A3</b> - Alive, but unlikely to live.			
	<b>A4</b> - Entangled, okay.		<b>D</b> - Dead	<b>U</b> - Condition unknown.
	<b>A5</b> - Entangled, injured.		<b>D1</b> - Entangled, dead	<b>U1</b> - Entangled, unknown condition.
	<b>A6</b> - Hooked, externally, injured.		<b>D2</b> - Hooked, externally, dead.	<b>U2</b> - Hooked, externally, condition unknown
	<b>A7</b> - Hooked, internally, injured.		<b>D3</b> - Hooked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.
	<b>A8</b> - Hooked, unknown, injured.		<b>D4</b> - Hooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.
<b>Condition description</b>	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.			
<b>Describe the Interaction/ treatment/ release</b>	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its release. Continue the description in the journal and record page no. on the form. Refer to WCPFC RHS handling guidelines.			
<b>Length / Length code</b>	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.			
<b>Sex (M-F-I-U)</b>	M - male, F - Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).			
<b>TAGS</b>	Record all details about any tags placed or found on the species here.			
<b>Type of Tags</b>	Record if it was a common dart, an archival (stitched inside body), or a pop-up (stitched to the outside of the body) tag.			
<b>INTERACTIONS WITH VESSEL OR VESSEL GEAR:</b>				
<i>"Interactions" are when a SSI touches, or is directly affected by the presence of the catcher vessel, its gear, or tender vessel. Examples may include: whales/dolphins inside a purse seine net; dolphins riding vessel bow waves; pilot whales waiting near vessel or net to be fed, SSI's hooked on longlines but not landed. Use one form per species per incident. If there are more than five SSI landed from any one set use the supplementary GEN-2 form.</i>				
<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.			
<b>Condition - No.</b>	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.			
<b>- Code</b>				
<b>- Description</b>	Add any notes (words) that may help further define condition the SSI condition,. For instance, if it was an A2 condition you could mention that the SSI was 'Bleeding heavily' to clarify its			
<b>DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE</b>	Make detailed notes on the interaction. If more space is needed use the observer's journal and mark the page number here.			
<b>SPECIES SIGHTED:</b>				
<i>Sightings' refer to SSIs that, as far as an observer can tell, seem not to be directly affected by the vessel's presence. Usually such 'sightings' are at least 100m away. However, when so close, observe carefully for interaction behaviour.</i>				
<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.			
<b>Number Sighted</b>	Record the total number of species sighted for this date and time.			
<b>Number of Adults</b>	If more than one animal is involved, record the number of adults you can see.			
<b>Number of Juvenilles</b>	If you can see juvenilles with the pod of whales or dolphins record the number here. Otherwise record all animals under "number of adults".			
<b>Species Behaviour</b>	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: <i>wake riding</i> (swimming close behind boat); <i>bow riding</i> (swimming off the bow of the boat); <i>logging</i> (floating motionless in a group); <i>breaching</i> (launching themselves into the air head first and then falling back into the water with a splash); <i>lobtailing</i> (tail slapping); <i>playing</i> (having fun !); etc.			
<b>Distance from Vessel (m)</b>	Estimate the distance the species was from the vessel.			



**SPC/FFA REGIONAL OBSERVER  
SPECIES OF SPECIAL INTEREST**

**FORM GEN - 2**

REVISED MAR. 2014

OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER	PAGE OF
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SPECIES CODE	SPECIES DESCRIPTION
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**THE SPECIES WAS:** Tick to indicate the final encounter of the species with the vessel:  
**SIGHTED ONLY:**       **INTERACTED WITH THE VESSEL'S GEAR ONLY:**       **LANDED ON DECK:**

TIME OF FIRST OBSERVER SIGHTING	hh: mm	SHIP'S DATE AND TIME	LATITUDE	N S	LONGITUDE	E W
		YY MM DD hh mm	(dd'mm.mmm')		(ddd'mm.mmm')	
DETAILS OF THE FINAL ENCOUNTER (for any landing see PS-2, PL-2, LL-4)						

**DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET?** (circle one) **Yes / No / No Set**

**SPECIES LANDED ON DECK:**

<b>CONDITION LANDED:</b>	CONDITION CODE	CONDITION DESCRIPTION
<b>CONDITION DISCARDED</b>	CONDITION CODE	CONDITION DESCRIPTION

DESCRIBE INTERACTION /TREATMENT / RELEASE	LENGTH (cm)
	LENGTH CODE
	SEX (M-F-I-U)

TAGS	RETRIEVED			PLACED		
	TAG NUMBER	TYPE	ORGANISATION	TAG NUMBER	TYPE	ORGANISATION

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

VESSEL ACTIVITY DURING INTERACTION: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

CONDITION	START of INTERACTION:			END of INTERACTION:		
	No.	Condition Code	CONDITION DESCRIPTION	No.	Condition Code	CONDITION DESCRIPTION

DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE

**SPECIES SIGHTED**

VESSEL ACTIVITY WHEN SIGHTED: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

NUMBER SIGHTED	NUMBER OF ADULTS	NUMBER OF JUVENILES	ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail)
----------------	------------------	---------------------	--

DISTANCE FROM VESSEL	SPECIES BEHAVIOUR WHEN SIGHTED
m	

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

**SPECIES LANDED ON DECK:**

<b>USE THESE CONDITION CODES</b>	<b>A0</b> - Alive but unable to describe condition.	<i>Normally use one GEN-2 for every SSI landed, but if many animals are landed in a PS set use the GEN-2 supplement to record condition, length, and sex of up to 30; then use a PS-4 to record lengths if more than 30.</i>
	<b>A1</b> - Alive and healthy.	
	<b>A2</b> - Alive, but injured or distressed.	
	<b>A3</b> - Alive, but unlikely to live.	
	<b>A4</b> - Entangled, okay.	
	<b>A5</b> - Entangled, injured.	
	<b>A6</b> - Hooked, externally, injured.	
	<b>A7</b> - Hooked, internally, injured.	
	<b>A8</b> - Hooked, unknown, injured.	
	<b>D</b> - Dead	<b>U</b> - Condition unknown.
	<b>D1</b> - Entangled, dead	<b>U1</b> - Entangled, unknown condition.
	<b>D2</b> - Hooked, externally, dead.	<b>U2</b> - Hooked, externally, condition unknown
	<b>D3</b> - Hooked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.
	<b>D4</b> - Hooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.
<b>Condition description</b>	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.	
<b>Describe the Interaction/ treatment/ release</b>	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its release. Continue the description in the journal and record page no. on the form. Refer to WCPFC RHS handling guidelines.	
<b>Length / Length code</b>	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.	
<b>Sex (M-F-I-U)</b>	M - male, F - Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).	
<b>TAGS</b>	Record all details about any tags placed or found on the species here.	
<b>Type of Tags</b>	Record if it was a common dart, an archival (stitched inside body), or a pop-up (stitched to the outside of the body) tag.	

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

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

<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.
<b>Condition - No.</b>	Use <b>GEN-2 condition codes</b> , above, to describe how many of a species are in each condition, at start, and again at end, of the interaction with the vessel or vessel gear.
<b>- Code</b>	
<b>- Description</b>	Add any notes (words) that may help further define condition the SSI condition,. For instance, if it was an A2 condition you could mention that the SSI was 'Bleeding heavily' to clarify its
<b>DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE</b>	Make detailed notes on the interaction. If more space is needed use the observer's journal and mark the page number here.

**SPECIES SIGHTED:**

<i>Sightings' refer to SSIs that, as far as an observer can tell, seem not to be directly affected by the vessel's presence. Usually such 'sightings' are at least 100m away. However, when so close, observe carefully for interaction behaviour.</i>	
<b>Vessel's Activity</b>	Tick to indicate the vessel's activity when the interaction was first noted.
<b>Number Sighted</b>	Record the total number of species sighted for this date and time.
<b>Number of Adults</b>	If more than one animal is involved, record the number of adults you can see.
<b>Number of Juveniles</b>	If you can see juveniles with the pod of whales or dolphins record the number here. Otherwise record all animals under "number of adults".
<b>Species Behaviour</b>	Describe the behaviour of the animal in the water. Use own words but some technical terms that may be helpful include: <i>wake riding</i> (swimming close behind boat); <i>bow riding</i> (swimming off the bow of the boat); <i>logging</i> (floating motionless in a group); <i>breaching</i> (launching themselves into the air head first and then falling back into the water with a splash); <i>lob tailing</i> (tail slapping); <i>playing</i> (having fun !); etc.
<b>Distance from Vessel (m)</b>	Estimate the distance the species was from the vessel.

**SPC/FFA REGIONAL OBSERVER  
SPECIES OF SPECIAL INTEREST**

**FORM GEN - 2**

REVISED MAR. 2014

OBSERVER NAME	VESSEL NAME	OBSERVER TRIP ID NUMBER	PAGE OF
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SPECIES CODE	SPECIES DESCRIPTION
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**THE SPECIES WAS: Tick to indicate the final encounter of the species with the vessel:**

SIGHTED ONLY:  INTERACTED WITH THE VESSEL'S GEAR ONLY:  LANDED ON DECK:

TIME OF FIRST OBSERVER SIGHTING	hh: mm	SHIP'S DATE AND TIME				LATITUDE (dd°mm.mmm')	N S	LONGITUDE (ddd°mm.mmm')	E W
DETAILS OF THE FINAL ENCOUNTER <small>(for any landing see PS-2, PL-2, LL-4)</small>		YY	MM	DD	hh	mm			

**DID THE OBSERVER SIGHT THE SPECIES OF SPECIAL INTEREST BEFORE THE SET?** (circle one) Yes / No / No Set

**SPECIES LANDED ON DECK:**

<b>CONDITION LANDED:</b>	CONDITION CODE	CONDITION DESCRIPTION
<b>CONDITION DISCARDED</b>	CONDITION CODE	CONDITION DESCRIPTION
DESCRIBE INTERACTION /TREATMENT / RELEASE		LENGTH (cm)
		LENGTH CODE
		SEX (M-F-I-U)

TAGS	RETRIEVED			PLACED		
	TAG NUMBER	TYPE	ORGANISATION	TAG NUMBER	TYPE	ORGANISATION

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

VESSEL ACTIVITY DURING INTERACTION: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

CONDITION	START of INTERACTION:	No.	Condition Code	CONDITION DESCRIPTION	END of INTERACTION:	No.	Condition Code	CONDITION DESCRIPTION

DESCRIBE INTERACTION and if relevant any TREATMENT / RELEASE

**SPECIES SIGHTED**

VESSEL ACTIVITY WHEN SIGHTED: → SETTING  HAULING  SEARCHING  TRANSITING  OTHER (specify)

NUMBER SIGHTED	NUMBER OF ADULTS	NUMBER OF JUVENILES	ESTIMATE THE OVERALL LENGTH(s) (From the head to the tail)
----------------	------------------	---------------------	--

DISTANCE FROM VESSEL	SPECIES BEHAVIOUR WHEN SIGHTED
m	

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

**SPECIES LANDED ON DECK:**

<b>USE THESE CONDITION CODES</b>	<b>A0</b> - Alive but unable to describe condition.	<i>Normally use one GEN-2 for every SSI landed, but if many animals are landed in a PS set use the GEN-2 supplement to record condition, length, and sex of up to 30; then use a PS-4 to record lengths if more than 30.</i>			
	<b>A1</b> - Alive and healthy.				
	<b>A2</b> - Alive, but injured or distressed.				
	<b>A3</b> - Alive, but unlikely to live.				
	<b>A4</b> - Entangled, okay.			<b>D</b> - Dead	<b>U</b> - Condition unknown.
	<b>A5</b> - Entangled, injured.			<b>D1</b> - Entangled, dead	<b>U1</b> - Entangled, unknown condition.
	<b>A6</b> - Hooked, externally, injured.			<b>D2</b> - Hooked, externally, dead.	<b>U2</b> - Hooked, externally, condition unknown.
	<b>A7</b> - Hooked, internally, injured.			<b>D3</b> - Hooked, internally, dead.	<b>U3</b> - Hooked, internally, condition unknown.
	<b>A8</b> - Hooked, unknown, injured.			<b>D4</b> - Hooked, unknown, dead.	<b>U4</b> - Hooked, unknown, condition unknown.
<b>Condition description</b>	Write a description of the condition of the species when landed / discarded. This may help to further assess the condition of the landed / discard species.				
<b>Describe the Interaction/ treatment/ release</b>	Make detailed notes on the SSI from the moment it interacted with the boat to the point of its release. Continue the description in the journal and record page no. on the form. Refer to WCPFC RHS handling guidelines.				
<b>Length / Length code</b>	Measure the species using an UF measurement for any m.mammals, sharks and a CL measurement for turtles.				
<b>Sex (M-F-I-U)</b>	M - male, F - Female, I - Indeterminate (checked, but not clear), U - unknown (not checked).				
<b>TAGS</b>	Record all details about any tags placed or found on the species here.				
<b>Type of Tags</b>	Record if it was a common dart, an archival (stitched inside body), or a pop-up (stitched to the outside of the body) tag.				

**INTERACTIONS WITH VESSEL OR VESSEL GEAR:**

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

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

OBSERVER  
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**SPC/FFA REGIONAL OBSERVER  
VESSEL TRIP REPORT**

**FORM GEN - 3**

(pg 1)

REVISED MAR. 2014

Observer NAME		<b><i>This form <u>must</u> be filled in by the observer for every trip</i></b>			NATIONALITY OF BOARDING VESSEL IF BOARDED DURING TRIP AT SEA:	
Obs. NATIONALITY	TRIP ID NUMBER	COASTAL STATE LICENCES (IF ANY)				
VESSEL NAME	COUNTRY REG. #	UVI	IRCS	VESSEL FLAG	VESSEL GEAR TYPE	

**Did the vessel do any of the following (indicate 'Yes' or 'No' with an 'X' for every item)**

		Yes	No	pg No.
<b>Observer rights / social behaviour</b>	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		
	RS -b	Request that an event not be reported by the observer		
	RS -c	Mistreat other crew		
	RS -d	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 facilities of reasonable standard - equivalent to those normally available to an officer onboard the vessel		
		Refer to instruction pages for the full wording of all items on this page		
<b>National regulations</b>	NR -a	Fish in areas where the vessel is not permitted to fish		
	NR -b	Target species other than those they are licenced to target		
	NR -c	Use a fishing method other than the method the vessel was designed or licensed		
	NR -d	Not display or present a valid (and current) licence document onboard		
	NR -e	Transfer or transship fish from or to another vessel		
	NR -f	Was involved in bunkering activities		
	NR -g	Fail to stow fishing gear when entering areas where vessel is not authorised to fish		
<b>WCPFC CMMs</b>	WC -a	Fail to comply with any Commission Conservation and Management Measures (CMMs)		
	WC -b	High-grade the catch		
	WC -c	Fish on FAD during FAD Closure		
<b>Logsheet recording - Position Logsheet recording - Catch</b>	LP -a	Inaccurately record vessel position on vessel log sheets for sets, hauling and catch		
	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)		
	LC -a	Inaccurately record retained "Target Species" in the Vessel logs [or weekly reports]		
	LC -b	Inaccurately record "Target Species" Discards		
	LC -c	Record target species inaccurately [eg. combine bigeye/yellowfin/skipjack catch]		
	LC -d	Not record bycatch discards		
	LC -e	Inaccurately record retained bycatch Species		
LC -f	Inaccurately record discarded bycatch species			
<b>SSIs</b>	SI -a	Land on deck Species of Special Interest (SSI) (eg. Marine mammals, turtles seabirds or protected sharks)		
	SI -b	Interact (not land) with SSIs		
<b>Pollution</b>	PN -a	Dispose of any metals, plastics, chemicals or old fishing gear		
	PN -b	Discharge any oil		
	PN -c	Lose any fishing gear		
	PN -d	Abandon any fishing gear		
	PN -e	Fail to report any abandoned gear		
<b>Sea safety</b>	SS -a	Fail to monitor international safety frequencies		
	SS -b	Carry out-of-date safety equipment		

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.

<b>OBSERVER PROGRAMME</b>	The observer programme/provider you are contracted to (employed by) for this trip.
<b>OBSERVER NAME</b>	As written in your passport. Observer must print first name first and last name (family name) last.
<b>OBSERVER NATIONALITY</b>	YOUR nationality as per the passport you are using.
<b>OBSERVER TRIP ID No.</b>	Observer trip identification number. Same number for all forms and issued before leaving port.
<b>COASTAL STATE LICENCE (if any)</b>	List the licence number(s) of any current licence issued by a Coastal States (i.e countries where the vessel is licensed to fish).
<b>NATIONALITY OF BOARDING VESSEL IF BOARDED AT SEA</b>	If host vessel is boarded by authorities and inspected at sea, what was nationality of the authority?
<b>VESSEL NAME</b>	Full vessel name, as written on licence documentation - not abbreviated. Include all numbers.
<b>COUNTRY REGISTRATION #</b>	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 on certificates before 2016. Generally the UVI is the International Marine Organisation number or may be the the Lloyd's Register (LR) no.
<b>UNIQUE VESSEL IDENTIFIER</b>	International Radio Call Sign is issued by the flag 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 recording it. It may also be found on the vessel's licence.
<b>INTERNATIONAL RADIO CALL SIGN (IRCS)</b>	
<b>VESSEL FLAG</b>	Record the flag of the vessel. This is the same as the country the vessel is registered in.
<b>VESSEL GEAR TYPE</b>	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:**

<b>Observer rights / social behaviour</b>	<b>RS-a</b>	<b>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</b> 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?
	<b>RS-b</b>	<b>Request that an event not be reported by the observer</b> Did any crew member or operator ask you not to record, report photograph or video an event?
	<b>RS-c</b>	<b>Mistreat other crew</b> Were there any clear systematic or prejudiced bullying or mistreatment of any crew?
	<b>RS-d</b>	<b>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</b> Do you think you were purposely given poor accommodation, food, no access to safety gear or medical treatment?
<b>National regulations</b>	<b>NR-a</b>	<b>Fish in areas where the vessel is not permitted to fish</b> 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).
	<b>NR-b</b>	<b>Target species other than those they are licensed to target</b> The target species is mentioned on the vessel's fishing permit. Usually "Tuna" will be the target species. Most common species targeted illegally are sharks or reef species targeted with handlines.
	<b>NR-c</b>	<b>Use a fishing method other than the method the vessel was designed or licensed</b> 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.
	<b>NR-d</b>	<b>Not display or present a valid (and current) licence document onboard</b> A valid original licence document should be in the wheelhouse on display. Regulations usually require an official licence 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
	<b>NR-e</b>	<b>Transfer or tranship fish from or to another vessel.</b> 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
	<b>NR-f</b>	<b>Was involved in bunkering activities</b> 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.
	<b>NR-g</b>	<b>Fail to stow fishing gear when entering areas where vessel is not authorised to fish</b> 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
<b>WCPFC CMMs</b>	<b>WC-a</b>	<b>Fail to comply with any Commission Conservation and Management measures (CMMs)</b> Has any WCPFC regional regulation (CMM) been breached?
	<b>WC-b</b>	<b>High grade the catch</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
	<b>WC-c</b>	<b>Incorrectly dispose of fish offal</b> Did vessel retrieve, service, set or fish on any floating object or group of objects, 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.



**VESSEL TRIP REPORT**

Form GEN-3 (pg2) Notes

<b>Logsheets recording - Position</b>	<p><b>Inaccurately record vessel position on vessel log sheets for sets, hauling and catch</b> The vessel logsheet should be filled out by the Captain or a designated officer, daily, or after each set.</p> <p><b>LP-a</b> The observer has the right to ask to see this log (inspect this log at least once a day). If there are significant discrepancies (&gt;3nm) of reported set positions between the vessel log and the observer forms the details should be written into the observer report.</p>
	<p><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)</b></p> <p><b>LP-b</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.</p>
	<p><b>Inaccurately record retained "Target Species" in the Vessel logs or weekly reports</b> Is the vessel under reporting, over reporting or not reporting any of the observed sets for any reason ?</p> <p><b>LC-a</b> 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.</p>
<b>Logsheets Recording - Catch</b>	<p><b>Inaccurately record "Target Species" Discards</b></p> <p><b>LC-b</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.</p>
	<p><b>Record target species inaccurately</b></p> <p><b>LC-c</b> 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.</p>
	<p><b>Not record bycatch discards</b></p> <p><b>LC-d</b> Report any attempt to not report any fish, shark, reptile or mammal species - retained or discarded.</p>
	<p><b>Inaccurately record retained bycatch species</b></p> <p><b>LC-e</b> Report if vessel wrongly reports retained bycatch species.</p>
	<p><b>Inaccurately record discarded bycatch species</b></p> <p><b>LC-f</b> Report if vessel wrongly reports discarded bycatch species.</p>

<b>SSIs</b>	<p><b>Land on deck Species of Special Interest (SSIs)</b> 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.</p>
	<p><b>Interact (not land) with SSIs (e.g. Marine mammals, turtle or whale sharks)</b></p> <p><b>SI-b</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.</p>

<b>Pollution</b> <small>(see MARPOL explanation on GEN-6)</small>	<p><b>Dispose of any metals, plastics, chemicals or old fishing gear</b></p> <p><b>PN-a</b> 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 ?</p>
	<p><b>Discharge any oil</b></p> <p><b>PN-b</b> Was any fuel oil spilled or dumped within 50 nautical miles of shore ?</p>
	<p><b>Lose any fishing gear</b></p> <p><b>PN-c</b> Was any fishing gear lost during this trip ?</p>
	<p><b>Abandon any fishing gear</b></p> <p><b>PN-d</b> Was any fishing gear dumped or abandoned by the observer's host vessel ?</p>
	<p><b>Fail to report any abandoned gear</b></p> <p><b>PN-e</b> Did vessel not report any lost fishing gear (IF REQUIRED by the country in which waters it is fishing) ?</p>

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



OBSERVER  
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VESSEL TRIP REPORT**

**FORM GEN - 3**  
(pg 1)

REVISED MAR. 2014

Observer NAME		<b><i>This form <u>must</u> be filled in by the observer for every trip</i></b>			NATIONALITY OF BOARDING VESSEL IF BOARDED DURING TRIP AT SEA:	
Obs. NATIONALITY	TRIP ID NUMBER	COASTAL STATE LICENCES (IF ANY)				
VESSEL NAME	COUNTRY REG. #	UVI	IRCS	VESSEL FLAG	VESSEL GEAR TYPE	

**Did the vessel do any of the following (indicate 'Yes' or 'No' with an 'X' for every item)**

		Yes	No	pg No.
<b>Observer rights / social behaviour</b>	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		
	RS -b	Request that an event not be reported by the observer		
	RS -c	Mistreat other crew		
	RS -d	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 facilities of reasonable standard - equivalent to those normally available to an officer onboard the vessel		
		Refer to instruction pages for the full wording of all items on this page		
<b>National regulations</b>	NR -a	Fish in areas where the vessel is not permitted to fish		
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<b>Logsheet recording - Position Logsheet recording - Catch</b>	LP -a	Inaccurately record vessel position on vessel log sheets for sets, hauling and catch		
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<b>Sea safety</b>	SS -a	Fail to monitor international safety frequencies		
	SS -b	Carry out-of-date safety equipment		

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.

<b>OBSERVER PROGRAMME</b>	The observer programme/provider you are contracted to (employed by) for this trip.
<b>OBSERVER NAME</b>	Tas written in your passport. Observer must print first name first and last name (family name) last.
<b>OBSERVER NATIONALITY</b>	YOUR nationality as per the passport you are using.
<b>OBSERVER TRIP ID No.</b>	Observer trip identification number. Same number for all forms and issued before leaving port.
<b>COASTAL STATE LICENCE (if any)</b>	List the licence number(s) of any current licence issued by a Coastal States (i.e countries where the vessel is licensed to fish).
<b>NATIONALITY OF BOARDING VESSEL IF BOARDED AT SEA</b>	If host vessel is boarded by authorities and inspected at sea, what was nationality of the authority?
<b>VESSEL NAME</b>	Full vessel name, as written on licence documentation - not abbreviated. Include all numbers.
<b>COUNTRY REGISTRATION #</b>	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 on certificates before 2016. Generally the UVI is the International Marine Organisation number or may be the the Lloyd's Register (LR) no.
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<b>INTERNATIONAL RADIO CALL SIGN (IRCS)</b>	
<b>VESSEL FLAG</b>	Record the flag of the vessel. This is the same as the country the vessel is registered in.
<b>VESSEL GEAR TYPE</b>	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:

<b>Observer rights / social behaviour</b>	<b>RS-a</b>	<b>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</b> 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?
	<b>RS-b</b>	<b>Request that an event not be reported by the observer</b> Did any crew member or operator ask you not to record, report photograph or video an event?
	<b>RS-c</b>	<b>Mistreat other crew</b> Were there any clear systematic or prejudiced bullying or mistreatment of any crew?
	<b>RS-d</b>	<b>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</b> Do you think you were purposely given poor accommodation, food, no access to safety gear or medical treatment?
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	<b>NR-b</b>	<b>Target species other than those they are licensed to target</b> The target species is mentioned on the vessel's fishing permit. Usually "Tuna" will be the target species. Most common species targeted illegally are sharks or reef species targeted with handlines.
	<b>NR-c</b>	<b>Use a fishing method other than the method the vessel was designed or licensed</b> 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.
	<b>NR-d</b>	<b>Not display or present a valid (and current) licence document onboard</b> A valid original licence document should be in the wheelhouse on display. Regulations usually require an official licence 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
	<b>NR-e</b>	<b>Transfer or tranship fish from or to another vessel.</b> Transshipping 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. <b>Note: group seine operations in PNG may tranship at sea in their zone</b>
	<b>NR-f</b>	<b>Was involved in bunkering activities</b> 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.
	<b>NR-g</b>	<b>Fail to stow fishing gear when entering areas where vessel is not authorised to fish</b> 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
<b>WCPFC CMMs</b>	<b>WC-a</b>	<b>Fail to comply with any Commission Conservation and Management measures (CMMs)</b> Has any WCPFC regional regulation (CMM) been breached?
	<b>WC-b</b>	<b>High grade the catch</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
	<b>WC-c</b>	<b>Incorrectly dispose of fish offal</b> Did vessel retrieve, service, set or fish on any floating object or group of objects, 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.



**VESSEL TRIP REPORT**

Form GEN-3 (pg2) Notes

<b>Logsheets recording - Position</b>	<p><b>Inaccurately record vessel position on vessel log sheets for sets, hauling and catch</b>                  The vessel logsheet should be filled out by the Captain or a designated officer, daily, or after each set.  <b>LP-a</b> The observer has the right to ask to see this log (inspect this log at least once a day).                  If there are significant discrepancies (&gt;3nm) of reported set positions between the vessel log and the observer forms the details should be written into the observer report.</p>
	<p><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)</b>  <b>LP-b</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.</p>
	<p><b>Inaccurately record retained "Target Species" in the Vessel logs or weekly reports</b>                  Is the vessel under reporting, over reporting or not reporting any of the observed sets for any reason ?  <b>LC-a</b> 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.</p>
<b>Logsheets Recording - Catch</b>	<p><b>Inaccurately record "Target Species" Discards</b>  <b>LC-b</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.</p>
	<p><b>Record target species inaccurately</b>  <b>LC-c</b> 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.</p>
	<p><b>Not record bycatch discards</b>  <b>LC-d</b> Report any attempt to not report any fish, shark, reptile or mammal species - retained or discarded.</p>
	<p><b>Inaccurately record retained bycatch species</b>  <b>LC-e</b> Report if vessel wrongly reports retained bycatch species.</p>
	<p><b>Inaccurately record discarded bycatch species</b>  <b>LC-f</b> Report if vessel wrongly reports discarded bycatch species.</p>

<b>SSIs</b>	<p><b>Land on deck Species of Special Interest (SSIs)</b>                  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.  <b>SI-a</b> 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.</p>
	<p><b>Interact (not land) with SSIs (e.g. Marine mammals, turtle or whale sharks)</b>  <b>SI-b</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.</p>

<b>Pollution</b> <small>(see MARPOL explanation on GEN-6)</small>	<p><b>Dispose of any metals, plastics, chemicals or old fishing gear</b>  <b>PN-a</b> 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 ?</p>
	<p><b>Discharge any oil</b>  <b>PN-b</b> Was any fuel oil spilled or dumped within 50 nautical miles of shore ?</p>
	<p><b>Lose any fishing gear</b>  <b>PN-c</b> Was any fishing gear lost during this trip ?</p>
	<p><b>Abandon any fishing gear</b>  <b>PN-d</b> Was any fishing gear dumped or abandoned by the observer's host vessel ?</p>
	<p><b>Fail to report any abandoned gear</b>  <b>PN-e</b> Did vessel not report any lost fishing gear (IF REQUIRED by the country in which waters it is fishing) ?</p>

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



## CONVERSION FACTORS

OBSERVER NAME	MEASURING INSTRUMENT	OBSERVER TRIP ID No.	PAGE OF
This header should be filled in completely VESSEL NAME	e.g.: SPC 1.5 m. Aluminium calipers MAKE, MODEL AND CAPACITY OF SCALES e.g.: Salzer 100kg dial-faced spring scales	e.g.: JMA 97- Don't forget! Total number of GEN-4s forms used in the trip was 19	This is page 7 → 7 → 19

### DETAILS OF WEIGHTS AND MEASUREMENTS COLLECTED

SET NO.	LABEL NO.	SHIP'S TIME	SPECIES CODE	LENGTHS (in cm.)				WEIGHTS (in kg.)				WET FIN	PROCESSED WGT.		LANDED WEIGHT (kg.)	CODE	COMMENTS
				US	UF	PS	TL	WHOLE	HEAD	TAIL	GUTS		CODE	CODE			
#1	3	1720	BET	124	152	98	—	—	—	—	4	9	72	GG	70	GG	An example

**Set No.**

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

**Label No.**

When unable to get whole or processed weight during the trip attach a label inside the mouth or gut cavity of the fish.  
When back on shore record landed weight.  
If processed weight can be collected on board still use labels and then also record landed weight of fish as it is recorded at unloading. This can be used for checking weight loss during storage

**Ship's Time and Species Code**

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

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

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

Code	Description
UF	Upper jaw to fork in tail
US	Upper jaw to second dorsal LF fin
PF	Lower jaw to fork in tail
PS	Pectoral fin to fork in tail
TL	Pectoral fin to second dorsal fin

- Total length (for sharks) measure the pectoral and second dorsal fins at the most forward points that they attach to the body

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

**Weights:**

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

if >10kg aim for accuracy to 1.0 kg

Tunas: Include removed gills with guts when weighing w hole weight.

Billfish: Include removed bills with guts when weighing w hole weight

**Weight codes** describe the state of the fish at the time that it was weighed. As such they must not be confused with Fate codes, which describe the final state of the fish.

Code	Description
WW	Whole w weight
GG	Gutted and gilled
GH	Gutted and headed
GT	Gutted, gilled and tailed
GX	Gutted, headed and tailed
GO	Gutted only (gills left in)

The GEN-4 form can be used to collect information from several sets (see the set number column on the left). As with all data it is important that you collect information as accurately as possible.

However, it is not important to collect this data for all catch. Usually only the more experienced and proven observers 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.

# FAD/PAYAO and FLOATING OBJECTS INFORMATION RECORD

Form GEN-5

REVISED MAR. 2014

OBSERVER NAME:	VESSEL NAME:	OBSERVER TRIP ID NUMBER:	PAGE OF								
<i>Comments / Change details</i>											
Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	Deployment latitude dd°mm.mmm' S	N and longitude ddd°mm.mmm' W	E	FAD as found	FAD lifted	FAD as left	<i>Comments / Change details</i>
									YES/NO		
FAD materials <i>net/mesh</i>		Attachments	<i>net/mesh size</i>	cm	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI seen	SSI trapped	
					M	M	M	Y / N / U	Y / N / U	Y / N / U	
<i>Comments / Change details</i>											
Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	Deployment latitude dd°mm.mmm' S	N and longitude ddd°mm.mmm' W	E	FAD as found	FAD lifted	FAD as left	<i>Comments / Change details</i>
									YES/NO		
FAD materials <i>net/mesh</i>		Attachments	<i>net/mesh size</i>	cm	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI seen	SSI trapped	
					M	M	M	Y / N / U	Y / N / U	Y / N / U	
<i>Comments / Change details</i>											
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					M	M	M	Y / N / U	Y / N / U	Y / N / U	
<i>Comments / Change details</i>											
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					M	M	M	Y / N / U	Y / N / U	Y / N / U	

*Diagrams- label with 'Object number'*

**Complete a GEN-5 record for every activity code '9' or '10D' entered on a PS-2, related to any FAD or other floating object described in the 'Floating Object' list on the workbook codes page.**  
*(except if for same object encountered unchanged within four hours of previous encounter)*

<p><b>Observer name, Vessel name</b> - Print each name out in full.                  For example: an observer name = "John Smith"; and a vessel name = "Mahino No 8")</p> <p><b>Observer trip ID number:</b> - number issued by the authority that placed the observer.</p> <p><b>Page of</b> : Number "Form GEN-5"s throughout the trip as Page 1, Page 2, Page 3, etc.                  At end of trip put the last page number on every page.                  For example if there are 10 x FAD Information Forms filled out then the first page will be "Page 1 of 10", the fourth page will be "Page 4 of 10" and the last page will be "Page 10 of 10".</p>	<p><b>FAD as Found, FAD lifted and FAD as Left</b>                  Shows what an object is when it is found and if it has changed by the time the vessel leaves it.                  N.B.: Complete the 'FAD as Found' field only if object was found in the water - if the object is a FAD being deployed for the first time then only record a dash in the 'FAD as found' field.                  Circle YES or NO to show if FAD was lifted from water at any time.                  Watch for changes being made to any found floating object before the vessel leaves it adrift again.                  If no modifications were made to the object, the 'As found' and 'As Left' fields should be identical.                  If object is brought aboard vessel and moved to another area put a dash in the 'FAD as left' field.                  A new record will be created if that floating object is redeployed.</p>
<p><b>Date &amp; Time</b> - Must match the PS-2 form time for the activity code related to this floating object.                  Use "Ship's Date" and "Ship's Time" on the ship's clock - the date and time used by crew onboard.                  Observers should set their watches to this date and time as soon as they board the vessel.</p> <p><b>Set Number</b> - If object is involved in a set during this encounter record the same Set No. that is recorded on the daily activity sheet (PS-2). If no set is made record a dash in this space.</p> <p><b>Object Number</b> - Give new (consecutive) 'Object Number' to each floating object. Start with 001.                  If that same object is recognised in future activities use the same 'Object Number' in the record.                  If it comes onboard it still gets an Object No. and if returned to water at same place, number stays the same, however if it goes to a different area it gets a new number and a new record is created.</p>	<p><b>FAD Materials - Main Materials, FAD Attachments and Net/mesh size</b>                  Most materials found in the main body (or platform) of floating objects and those commonly used for attachments under FADs have codes '1' to '17' in the list under 'FAD materials' on this form.                  N.B.: some materials can be used as main material or as attachment materials                  so the material codes may be used twice - describing both the main and the attachment materials.                  If many materials make up the body of a FAD, list up to 3 of them starting with the most abundant.                  If the object has a component not included in the list use other code "17" and describe in comments.                  If not sure of the material use unknown code "10" and describe it, if possible.                  If possible get diagonal mesh measurements of net used to make the platform and/or attachments</p> <p><b>Max Est Depth</b> (maximum estimated depth)                  Record the estimated depth (in metres) below the surface of the water of any objects, streamers or other equipment attached to the FAD (but not including the anchor rope or chain) at the time the object is found (or deployed, if the deployment is the reason for this record).                  If there are any attachments at all always make an estimate even if estimating depth is very difficult.                  - comment on the difficulty.</p> <p><b>Fad Length &amp; Fad Width</b>                  Record dimensions (length and width) of the main body of a floating object or FAD when it is found (or deployed if the deployment is the reason for this record).                  If the object has an irregular shape or is made up of multiple components, imagine a box with the object in it and record the length and width dimensions of the imaginary box.</p>
<p><b>Origin of FAD</b> - Try to find out the origin of the object before this current encounter.                  Use the "Origin" code that best describes where the FAD or floating object came from.                  If you cannot find out where the FAD came from, use the code for "unknown".                  If origin not listed use "other" and describe in comments. Also use comments for additional details.                  N.B. The difference between Code "5" or "6" and Code "7" is that the FAD in that codes 5 or 6 are used for will have a radio buoy still attached, whereas the FAD (or other floating object) will no longer have a buoy attached to it.</p> <p><b>Deployment date, latitude and longitude</b> - If deployment is not actually witnessed by observer efforts try to get this information from the vessel's records, if applicable. Otherwise enter dashes.</p>	<p><b>Comments / Change details</b>                  Record any information that will help identify a FAD or floating object and any information that can help understand why the FAD or floating object works well or doesn't work well.                  If a FAD has been changed describe the changes. with notes and refer to more description that are written in the observer's trip report and/or daily journal.  <b>Diagrams</b> - A drawing of an object can be very helpful.</p>
<p><b>Buoy number and FAD/PAYO Numbers and markings</b>                  Record any identification numbers seen on any radio buoy (or other buoy) that is attached to the floating object or FAD, or any ID numbers or other markings that can be seen on the FAD/Payao itself.                  If only part of an identification number can be seen then record the parts that can be seen and show question marks for letters or numbers that cannot be read (e.g. STV-76??3H)</p>	<p><b>Comments / Change details</b>                  Record any information that will help identify a FAD or floating object and any information that can help understand why the FAD or floating object works well or doesn't work well.                  If a FAD has been changed describe the changes. with notes and refer to more description that are written in the observer's trip report and/or daily journal.  <b>Diagrams</b> - A drawing of an object can be very helpful.</p>



# FAD/PAYAO and FLOATING OBJECTS INFORMATION RECORD

Form GEN-5

REVISED MAR. 2014

OBSERVER NAME:	VESSEL NAME:	OBSERVER TRIP ID NUMBER:	PAGE _____ OF _____
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Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	Deployment latitude dd°mm.mmm'	N and longitude ddd°mm.mmm'	E W	FAD as found	FAD lifted	FAD as left	Comments / Change details
									YES / NO		
<b>FAD materials</b>		<i>net/mesh</i>		Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI seen	SSI trapped	
			<i>size</i>	M	M	M			Y / N / U	Y / N / U	

Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	Deployment latitude dd°mm.mmm'	N and longitude ddd°mm.mmm'	E W	FAD as found	FAD lifted	FAD as left	Comments / Change details
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*Diagrams- label with 'Object number'*

**Complete a GEN-5 record for every activity code '9' or '10D' entered on a PS-2, related to any FAD or other floating object described in the 'Floating Object' list on the workbook codes page.**  
*(except if for same object encountered unchanged within four hours of previous encounter)*

<p><b>Observer name, Vessel name</b> - Print each name out in full.          For example: an observer name = "John Smith"; and a vessel name = "Mahino No 8")</p> <p><b>Observer trip ID number:</b> - number issued by the authority that placed the observer.</p> <p><b>Page of</b> : Number "Form GEN-5"s throughout the trip as Page 1, Page 2, Page 3, etc.          At end of trip put the last page number on every page.          For example if there are 10 x FAD Information Forms filled out then the first page will be "Page 1 of 10", the fourth page will be "Page 4 of 10" and the last page will be "Page 10 of 10".</p>	<p><b>FAD as Found, FAD lifted and FAD as Left</b>          Shows what an object is when it is found and if it has changed by the time the vessel leaves it.          N.B.: Complete the 'FAD as Found' field only if object was found in the water - if the object is a FAD being deployed for the first time then only record a dash in the 'FAD as found' field.          Circle YES or NO to show if FAD was lifted from water at any time.          Watch for changes being made to any found floating object before the vessel leaves it adrift again.          If no modifications were made to the object, the 'As found' and 'As Left' fields should be identical.          If object is brought aboard vessel and moved to another area put a dash in the 'FAD as left' field.          A new record will be created if that floating object is redeployed.</p> <p><b>FAD Materials - Main Materials, FAD Attachments and Net/mesh size</b>          Most materials found in the main body (or platform) of floating objects and those commonly used for attachments under FADs have codes '1' to '17' in the list under 'FAD materials' on this form.          N.B.: some materials can be used as main material or as attachment materials          so the material codes may be used twice - describing both the main and the attachment materials.          If many materials make up the body of a FAD, list up to 3 of them starting with the most abundant.          If the object has a component not included in the list use other code "17" and describe in comments.          If not sure of the material use unknown code "10" and describe it, if possible.          If possible get diagonal mesh measurements of net used to make the platform and/or attachments</p> <p><b>Max Est Depth</b> (maximum estimated depth)          Record the estimated depth (in metres) below the surface of the water of any objects, streamers or other equipment attached to the FAD (but not including the anchor rope or chain) at the time the object is found (or deployed, if the deployment is the reason for this record).          If there are any attachments at all always make an estimate even if estimating depth is very difficult.          - comment on the difficulty.</p> <p><b>Fad Length &amp; Fad Width</b>          Record dimensions (length and width) of the man body of a floating object or FAD when it is found (or deployed if the deployment is the reason for this record).          If the object has an irregular shape or is made up of multiple components, imagine a box with the object in it and record the length and width dimensions of the imaginary box.</p>
<p><b>Date &amp; Time</b> - Must match the PS-2 form time for the activity code related to this floating object.          Use "Ship's Date" and "Ship's Time" on the ship's clock - the date and time used by crew onboard.          Observers should set their watches to this date and time as soon as they board the vessel.</p> <p><b>Set Number</b> - If object is involved in a set during this encounter record the same Set No. that is recorded on the daily activity sheet (PS-2). If no set is made record a dash in this space.</p> <p><b>Object Number</b> - Give new (consecutive) 'Object Number' to each floating object. Start with 001.          If that same object is recognised in future activities use the same 'Object Number' in the record.          If it comes onboard it still gets an Object No. and if returned to water at same place, number stays the same, however if it goes to a different area it gets a new number and a new record is created.</p>	<p><b>Origin of FAD</b> - Try to find out the origin of the object before this current encounter.          Use the "Origin" code that best describes where the FAD or floating object came from.          If you cannot find out where the FAD came from, use the code for "unknown".          If origin not listed use "other" and describe in comments. Also use comments for additional details.          N.B. The difference between Code "5" or "6" and Code "7" is that the FAD in that codes 5 or 6 are used for will have a radio buoy still attached, whereas the FAD (or other floating object) will no longer have a buoy attached to it.</p> <p><b>Deployment date, latitude and longitude</b> - If deployment is not actually witnessed by observer efforts try to get this information from the vessel's records, if applicable. Otherwise enter dashes.</p>
<p><b>Buoy number and FAD/PAYO Numbers and markings</b>          Record any identification numbers seen on any radio buoy (or other buoy) that is attached to the floating object or FAD, or any ID numbers or other markings that can be seen on the FAD/Payao itself.          If only part of an identification number can be seen then record the parts that can be seen and show question marks for letters or numbers that cannot be read (e.g. STV-76??3H)</p>	<p><b>Comments / Change details</b>          Record any information that will help identify a FAD or floating object and any information that can help understand why the FAD or floating object works well or doesn't work well.          If a FAD has been changed describe the changes. with notes and refer to more description that are written in the observer's trip report and/or daily journal.  <b>Diagrams</b> - A drawing of an object can be very helpful.</p>

# FAD/PAYAO and FLOATING OBJECTS INFORMATION RECORD

Form GEN-5

REVISED MAR. 2014

OBSERVER NAME:	VESSEL NAME:	OBSERVER TRIP ID NUMBER:	PAGE OF
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Date <i>(from PS-2)</i>	Time	Set No.	Object number	Origin of FAD	Deployment date	Latitude dd°mm.mmm' N ddd°mm.mmm' S	Longitude and ddd°mm.mmm' E W	FAD as found	FAD lifted	FAD as left	Comments / Change details
<u>FAD materials</u> net/mesh		Attachments		net/mesh size	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI trapped	
				cm	M	M	M		Y / N / U	Y / N / U	

Date <i>(from PS-2)</i>	Time	Set No.	Object number	Origin of FAD	Deployment date	Latitude dd°mm.mmm' N ddd°mm.mmm' S	Longitude and ddd°mm.mmm' E W	FAD as found	FAD lifted	FAD as left	Comments / Change details
<u>FAD materials</u> net/mesh		Attachments		net/mesh size	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI trapped	
				cm	M	M	M		Y / N / U	Y / N / U	

Date <i>(from PS-2)</i>	Time	Set No.	Object number	Origin of FAD	Deployment date	Latitude dd°mm.mmm' N ddd°mm.mmm' S	Longitude and ddd°mm.mmm' E W	FAD as found	FAD lifted	FAD as left	Comments / Change details
<u>FAD materials</u> net/mesh		Attachments		net/mesh size	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI trapped	
				cm	M	M	M		Y / N / U	Y / N / U	

Date <i>(from PS-2)</i>	Time	Set No.	Object number	Origin of FAD	Deployment date	Latitude dd°mm.mmm' N ddd°mm.mmm' S	Longitude and ddd°mm.mmm' E W	FAD as found	FAD lifted	FAD as left	Comments / Change details
<u>FAD materials</u> net/mesh		Attachments		net/mesh size	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI trapped	
				cm	M	M	M		Y / N / U	Y / N / U	

Diagrams - label with 'Object number'

**Complete a GEN-5 record for every activity code '9' or '10D' entered on a PS-2, related to any FAD or other floating object described in the 'Floating Object' list on the workbook codes page.**  
*(except if for same object encountered unchanged within four hours of previous encounter)*

<p><b>Observer name, Vessel name</b> - Print each name out in full.          For example: an observer name = "John Smith"; and a vessel name = "Mahino No 8")</p> <p><b>Observer trip ID number:</b> - number issued by the authority that placed the observer.</p> <p><b>Page of</b> : Number "Form GEN-5's" throughout the trip as Page 1, Page 2, Page 3, etc.          At end of trip put the last page number on every page.          For example if there are 10 x FAD Information Forms filled out then the first page will be "Page 1 of 10", the fourth page will be "Page 4 of 10" and the last page will be "Page 10 of 10".</p>	<p><b>FAD as Found, FAD lifted and FAD as Left</b>          Shows what an object is when it is found and if it has changed by the time the vessel leaves it.          N.B.: Complete the 'FAD as Found' field only if object was found in the water - if the object is a FAD being deployed for the first time then only record a dash in the 'FAD as found' field.          Circle YES or NO to show if FAD was lifted from water at any time.          Watch for changes being made to any found floating object before the vessel leaves it adrift again.          If no modifications were made to the object, the 'As found' and 'As Left' fields should be identical.          If object is brought aboard vessel and moved to another area put a dash in the 'FAD as left' field.          A new record will be created if that floating object is redeployed.</p>
<p><b>Date &amp; Time</b> - Must match the PS-2 form time for the activity code related to this floating object.          Use "Ship's Date" and "Ship's Time" on the ship's clock - the date and time used by crew onboard.          Observers should set their watches to this date and time as soon as they board the vessel.</p> <p><b>Set Number</b> - If object is involved in a set during this encounter record the same Set No. that is recorded on the daily activity sheet (PS-2). If no set is made record a dash in this space.</p> <p><b>Object Number</b> - Give new (consecutive) 'Object Number' to each floating object. Start with 001.          If that same object is recognised in future activities use the same 'Object Number' in the record.          If it comes onboard it still gets an Object No. and if returned to water at same place, number stays the same, however if it goes to a different area it gets a new number and a new record is created.</p>	<p><b>FAD Materials - Main Materials, FAD Attachments and Net/mesh size</b>          Most materials found in the main body (or platform) of floating objects and those commonly used for attachments under FADs have codes '1' to '17' in the list under 'FAD materials' on this form.          N.B.: some materials can be used as main material or as attachment materials          so the material codes may be used twice - describing both the main and the attachment materials.          If many materials make up the body of a FAD, list up to 3 of them starting with the most abundant.          If the object has a component not included in the list use other code "17" and describe in comments.          If not sure of the material use unknown code "10" and describe it, if possible.          If possible get diagonal mesh measurements of net used to make the platform and/or attachments</p>
<p><b>Origin of FAD</b> - Try to find out the origin of the object before this current encounter.          Use the "Origin" code that best describes where the FAD or floating object came from.          If you cannot find out where the FAD came from, use the code for "unknown".          If origin not listed use "other" and describe in comments. Also use comments for additional details.          N.B. The difference between Code "5" or "6" and Code "7" is that the FAD in that codes 5 or 6 are used for will have a radio buoy still attached, whereas the FAD (or other floating object) will no longer have a buoy attached to it.</p> <p><b>Deployment date, latitude and longitude</b> - If deployment is not actually witnessed by observer efforts try to get this information from the vessels records, if applicable. Otherwise enter dashes.</p>	<p><b>Max Est Depth</b> (maximum estimated depth)          Record the estimated depth (in metres) below the surface of the water of any objects, streamers or other equipment attached to the FAD (but not including the anchor rope or chain) at the time the object is found (or deployed, if the deployment is the reason for this record).          If there are any attachments at all always make an estimate even if estimating depth is very difficult.          - comment on the difficulty.</p> <p><b>Fad Length &amp; Fad Width</b>          Record dimensions (length and width) of the man body of a floating object or FAD when it is found (or deployed if the deployment is the reason for this record).          If the object has an irregular shape or is made up of multiple components, imagine a box with the object in it and record the length and width dimensions of the imaginary box.</p>
<p><b>Buoy number and FAD/PAYO Numbers and markings</b>          Record any identification numbers seen on any radio buoy (or other buoy) that is attached to the floating object or FAD, or any ID numbers or other markings that can be seen on the FAD/Payao itself.          If only part of an identification number can be seen then record the parts that can be seen and show question marks for letters or numbers that cannot be read (e.g. STV-76??3H)</p>	<p><b>Comments / Change details</b>          Record any information that will help identify a FAD or floating object and any information that can help understand why the FAD or floating object works well or doesn't work well.          If a FAD has been changed describe the changes. with notes and refer to more description that are written in the observer's trip report and/or daily journal.  <b>Diagrams</b> - A drawing of an object can be very helpful.</p>

# FAD/PAYAO and FLOATING OBJECTS INFORMATION RECORD

Form GEN-5

REVISED MAR. 2014

OBSERVER NAME:	VESSEL NAME:	OBSERVER TRIP ID NUMBER:	PAGE OF
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Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	Latitude ddd°mm.mmm'	Longitude ddd°mm.mmm'	E W	FAD as found	FAD lifted YES/NO	FAD as left	Comments / Change details
<u>FAD materials</u> <i>net/mesh</i>			<i>net/mesh</i>	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI seen	SSI trapped	
			size	M	M	M			Y/N/U	Y/N/U	
			cm								

Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	Latitude ddd°mm.mmm'	Longitude ddd°mm.mmm'	E W	FAD as found	FAD lifted YES/NO	FAD as left	Comments / Change details
<u>FAD materials</u> <i>net/mesh</i>			<i>net/mesh</i>	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI seen	SSI trapped	
			size	M	M	M			Y/N/U	Y/N/U	
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			size	M	M	M			Y/N/U	Y/N/U	
			cm								

*Diagrams - label with 'Object number'*

**Complete a GEN-5 record for every activity code '9' or '10D' entered on a PS-2, related to any FAD or other floating object described in the 'Floating Object' list on the workbook codes page.**  
(except if for same object encountered unchanged within four hours of previous encounter)

<p><b>Observer name, Vessel name</b> - Print each name out in full. For example: an observer name = "John Smith"; and a vessel name = "Mahino No 8")</p> <p><b>Observer trip ID number:</b> - number issued by the authority that placed the observer.</p> <p><b>Page of</b> : Number "Form GEN-5"s throughout the trip as Page 1, Page 2, Page 3, etc. At end of trip put the last page number on every page. For example if there are 10 x FAD Information Forms filled out then the first page will be "Page 1 of 10", the fourth page will be "Page 4 of 10" and the last page will be "Page 10 of 10".</p>	<p><b>FAD as Found, FAD lifted and FAD as Left</b> Shows what an object is when it is found and if it has changed by the time the vessel leaves it. N.B.: Complete the 'FAD as Found' field only if object was found in the water - if the object is a FAD being deployed for the first time then only record a dash in the 'FAD as found' field. Circle YES or NO to show if FAD was lifted from water at any time. Watch for changes being made to any found floating object before the vessel leaves it adrift again. If no modifications were made to the object, the 'As found' and 'As Left' fields should be identical. If object is brought aboard vessel and moved to another area put a dash in the 'FAD as left' field. A new record will be created if that floating object is redeployed.</p> <p><b>FAD Materials - Main Materials, FAD Attachments and Net/mesh size</b> Most materials found in the main body (or platform) of floating objects and those commonly used for attachments under FADs have codes '1' to '17' in the list under 'FAD materials' on this form. N.B.: some materials can be used as main material or as attachment materials so the material codes may be used twice - describing both the main and the attachment materials. If many materials make up the body of a FAD, list up to 3 of them starting with the most abundant. If the object has a component not included in the list use other code "17" and describe in comments. If not sure of the material use unknown code "10" and describe it, if possible. If possible get diagonal mesh measurements of net used to make the platform and/or attachments if possible</p> <p><b>Max Est Depth</b> (maximum estimated depth) Record the estimated depth (in metres) below the surface of the water of any objects, streamers or other equipment attached to the FAD (but not including the anchor rope or chain) at the time the object is found (or deployed, if the deployment is the reason for this record). If there are any attachments at all always make an estimate even if estimating depth is very difficult. - comment on the difficulty.</p> <p><b>Fad Length &amp; Fad Width</b> Record dimensions (length and width) of the main body of a floating object or FAD when it is found (or deployed if the deployment is the reason for this record). If the object has an irregular shape or is made up of multiple components, imagine a box with the object in it and record the length and width dimensions of the imaginary box.</p>
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# FAD/PAYAO and FLOATING OBJECTS INFORMATION RECORD

Form GEN-5

REVISED MAR. 2014

OBSERVER NAME:	VESSEL NAME:	OBSERVER TRIP ID NUMBER:	PAGE OF
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Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	N and longitude ddd°mm.mmm' S	E and longitude ddd°mm.mmm' W	FAD as found	FAD lifted	FAD as left	Comments / Change details	
FAD materials <i>net/mesh</i>		Attachments	<i>net/mesh</i> size	Max est. depth	FAD length	FAD width	Buoy number	FAD / Payao No. and or markings	SSI seen	SSI trapped	Y / N / U
Main materials	size										

Date <i>(from PS-2)</i>	Set No.	Object number	Origin of FAD	Deployment date	N and longitude ddd°mm.mmm' S	E and longitude ddd°mm.mmm' W	FAD as found	FAD lifted	FAD as left	Comments / Change details	
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Main materials	size										

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<p><b>Buoy number and FAD/PAYO Numbers and markings</b>                  Record any identification numbers seen on any radio buoy (or other buoy) that is attached to the floating object or FAD, or any ID numbers or other markings that can be seen on the FAD/Payao itself.                  If only part of an identification number can be seen then record the parts that can be seen and show question marks for letters or numbers that cannot be read (e.g. STV-76??3H)</p>	<p><b>Comments / Change details</b>                  Record any information that will help identify a FAD or floating object and any information that can help understand why the FAD or floating object works well or doesn't work well.                  If a FAD has been changed describe the changes. with notes and refer to more description that are written in the observer's trip report and/or daily journal.  <b>Diagrams</b> - A drawing of an object can be very helpful.</p>



**SPC/FFA REGIONAL OBSERVER  
POLLUTION REPORT**

**FORM GEN-6**

REVISED MARCH 2014

OBSERVER NAME	VESSEL NAME	OBSERVER ID NUMBER	PAGE OF
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**- fill in one form for each pollution incident -**

**INCIDENT DETAILS**

Ship's DATE and TIME					LATITUDE (dd°mm.mmm')	N / S	LONGITUDE (ddd°mm.mmm')	E / W	EEZ / HARBOUR
YY	MM	DD	hh	mm					
WIND DIRECTION		WIND SPEED		SEA CONDITIONS (C, S, M, R)		CURRENT : (knts and direction °)		OBSERVER'S VESSEL ACTIVITY	
NAME OF OFFENDING VESSEL				IRCS	TYPE OF VESSEL		YOUR POSITION FROM OFFENDING VESSEL Compass Bearing      Distance (nautical miles)		

**WASTE DUMPED OVERBOARD**

Material	<i>Tick each box that applies</i>	Describe Type	Describe Quantity
Plastics	<input type="checkbox"/>		
Metals	<input type="checkbox"/>		
Waste oil	<input type="checkbox"/>		
Chemicals	<input type="checkbox"/>		
General garbage <i>(within 12 miles of shoreline)</i>	<input type="checkbox"/>		
<i>describe:</i>			

**OIL SPILLAGES AND LEAKAGES**

Source	<i>Tick each box that applies</i>	Visual Appearance / Colour	Describe Area and Quantity
Vessel Aground / Collision	<input type="checkbox"/>		
Vessel at Anchor / Berth	<input type="checkbox"/>		
Vessel Underway	<input type="checkbox"/>		
Land based source - Describe source	<input type="checkbox"/>		
Other - please specify	<input type="checkbox"/>		

**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? Y / N

Did you take any photos? Y / N

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

**MARPOL Regulations - state**

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

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

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

## 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.

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

**Supplementary notes on Marpol Regulations**

Note: Vessels may dump garbage as close as 3 nautical miles to the shore if they have a 'comminuter' onboard (a machine that shreds garbage to tiny pieces).

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**SPC/FFA REGIONAL OBSERVER  
POLLUTION REPORT**

**FORM GEN-6**

REVISED MARCH 2014

OBSERVER NAME	VESSEL NAME	OBSERVER ID NUMBER	PAGE OF
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**- fill in one form for each pollution incident -**

**INCIDENT DETAILS**

Ship's DATE and TIME					LATITUDE (dd°mm.mmm')	N / S	LONGITUDE (ddd°mm.mmm')	E / W	EEZ / HARBOUR
YY	MM	DD	hh	mm					
WIND DIRECTION		WIND SPEED		SEA CONDITIONS (C, S, M, R)		CURRENT : (knts and direction °)		OBSERVER'S VESSEL ACTIVITY	
NAME OF OFFENDING VESSEL				IRCS	TYPE OF VESSEL		YOUR POSITION FROM OFFENDING VESSEL Compass Bearing      Distance (nautical miles)		

**WASTE DUMPED OVERBOARD**

Material	<i>Tick each box that applies</i>	Describe Type	Describe Quantity
Plastics	<input type="checkbox"/>		
Metals	<input type="checkbox"/>		
Waste oil	<input type="checkbox"/>		
Chemicals	<input type="checkbox"/>		
General garbage <i>(within 12 miles of shoreline)</i>	<input type="checkbox"/>		
<i>describe:</i>			

**OIL SPILLAGES AND LEAKAGES**

Source	<i>Tick each box that applies</i>	Visual Appearance / Colour	Describe Area and Quantity
Vessel Aground / Collision	<input type="checkbox"/>		
Vessel at Anchor / Berth	<input type="checkbox"/>		
Vessel Underway	<input type="checkbox"/>		
Land based source - Describe source	<input type="checkbox"/>		
Other - please specify	<input type="checkbox"/>		

**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? Y / N

Did you take any photos? Y / N

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

**MARPOL Regulations - state**

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

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

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

**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.

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

**Supplementary notes on Marpol Regulations**

Note: Vessels may dump garbage as close as 3 nautical miles to the shore if they have a 'comminuter' onboard (a machine that shreds garbage to tiny pieces).

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POLLUTION REPORT**

**FORM GEN-6**

REVISED MARCH 2014

OBSERVER NAME	VESSEL NAME	OBSERVER ID NUMBER	PAGE OF
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**INCIDENT DETAILS**

Ship's DATE and TIME					LATITUDE (dd°mm.mmm')	N / S	LONGITUDE (ddd°mm.mmm')	E / W	EEZ / HARBOUR
YY	MM	DD	hh	mm					
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NAME OF OFFENDING VESSEL				IRCS	TYPE OF VESSEL		YOUR POSITION FROM OFFENDING VESSEL Compass Bearing      Distance (nautical miles)		

**WASTE DUMPED OVERBOARD**

Material	<i>Tick each box that applies</i>	Describe Type	Describe Quantity
Plastics	<input type="checkbox"/>		
Metals	<input type="checkbox"/>		
Waste oil	<input type="checkbox"/>		
Chemicals	<input type="checkbox"/>		
General garbage <i>(within 12 miles of shoreline)</i>	<input type="checkbox"/>		
<i>describe:</i>			

**OIL SPILLAGES AND LEAKAGES**

Source	<i>Tick each box that applies</i>	Visual Appearance / Colour	Describe Area and Quantity
Vessel Aground / Collision	<input type="checkbox"/>		
Vessel at Anchor / Berth	<input type="checkbox"/>		
Vessel Underway	<input type="checkbox"/>		
Land based source - Describe source	<input type="checkbox"/>		
Other - please specify	<input type="checkbox"/>		

**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? Y / N

Did you take any photos? Y / N

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

**MARPOL Regulations - state**

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

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<b>Observer Name</b>	Put first name first, and your family name last.
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<b>Time (00.00 hrs)</b>	Report the time using the 24hr clock.
<b>Latitude / Longitude</b>	Record the GPS position of the host vessel when the pollution was first seen.
<b>EEZ / Harbour</b>	Record the EEZ or, for shorebase staff, mark port or Harbour name here.
<b>Wind Direction</b>	The prevailing wind direction. Use degree eg. 90 degrees for an east wind
<b>Wind Speed</b>	Record the prevailing wind speed.
<b>Sea Conditions</b>	C- Calm, S- Slight, M- Moderate, R - Rough.
<b>Current (knts and direction)</b>	If the vessel has a current meter find out what the current strength is.
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<b>IRCS</b>	The international callsign is marked in large letters on the side of the boat.
<b>Type of vessel</b>	Consider the full vessel and aircraft codes on the front of Form GEN-1.
<b>Your position from offending vessel.</b>	The radar can be used to get an exact distance in nautical miles. Otherwise give best estimate and note if it is the observer's or someone else's.
<b>WASTE DUMPED OVERBOARD</b>	
<b>Material</b>	Tick each correct box to show which types of materials were dumped. Only tick two or more materials if vessel has dumped more than one material type over at the same time - e.g.: it dumped plastic and metal at 10:00hrs. If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.
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<b>Describe Quantities</b>	Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at
<b>OIL SPILLAGES AND LEAKAGES</b>	
<b>Source</b>	Tick to indicate where the spillage or leak came from
<b>Visual Appearance / Colour</b>	Describe the colour/ thickness/depth of the spill as well as able.
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<b>Abandoned or Lost Fishing Gear</b>	
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REVISED MARCH 2014

OBSERVER NAME	VESSEL NAME	OBSERVER ID NUMBER	PAGE OF
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**- fill in one form for each pollution incident -**

**INCIDENT DETAILS**

Ship's DATE and TIME					LATITUDE (dd°mm.mmm')	N / S	LONGITUDE (ddd°mm.mmm')	E / W	EEZ / HARBOUR
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NAME OF OFFENDING VESSEL				IRCS	TYPE OF VESSEL		YOUR POSITION FROM OFFENDING VESSEL Compass Bearing      Distance (nautical miles)		

**WASTE DUMPED OVERBOARD**

Material	<i>Tick each box that applies</i>	Describe Type	Describe Quantity
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**OIL SPILLAGES AND LEAKAGES**

Source	<i>Tick each box that applies</i>	Visual Appearance / Colour	Describe Area and Quantity
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Other - please specify	<input type="checkbox"/>		

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Source	Activity	Describe Gear	Estimate Quantity
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Abandoned			
Dumped			

*Other comments:*

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<b>Type of vessel</b>	Consider the full vessel and aircraft codes on the front of Form GEN-1.
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<b>WASTE DUMPED OVERBOARD</b>	
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<b>OIL SPILLAGES AND LEAKAGES</b>	
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<b>Abandoned or Lost Fishing Gear</b>	
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Ship's DATE and TIME					LATITUDE	N / S	LONGITUDE	E / W	EEZ / HARBOUR
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**WASTE DUMPED OVERBOARD**

Material	Describe Type	Describe Quantity
Plastics		
Metals		
Waste oil		
Chemicals		
General garbage (within 12 miles of shoreline)		

*describe:*

**OIL SPILLAGES AND LEAKAGES**

Source	Visual Appearance / Colour	Describe Area and Quantity
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CK	Cook Islands	NC	New Caledonia
EC	Ecuador	NZ	New Zealand
FM	Fed. States of Micronesia	NU	Niue
FJ	Fiji Islands	MR	Northern Mariana
FR	France	PW	Palau
PF	French Polynesia	PG	Papua New Guinea
GU	Guam	PH	Philippine
ID	Indonesia	RU	Russia
IW	International Waters	SB	Solomon Islands
JP	Japan	TW	Taiwan
TO	Kingdom of Tonga	TK	Tokelau
KI	Kiribati	TV	Tuvalu
KR	Korea	US	United States
CN	Mainland China	VU	Vanuatu
MY	Malaysia	WS	Samoa

**SPC/FFA REGIONAL OBSERVER  
TRIP RECONCILIATION**

**FORM  
SUP-3**

REV. MAR. 2014

OBSERVER NAME	VESSEL NAME	VESSEL CALL-SIGN	OBSERVER TRIP ID No.
---------------	-------------	------------------	----------------------

**TRAVEL DETAILS**

EVENT CODE	DEPARTURE			ARRIVAL			ACTIVITY CODE	DAYS	COMMENTS
	PLACE OR VESSEL	DATE	TIME	PLACE OR VESSEL	DATE	TIME			

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

**EVENT CODES**

**ACTIVITY CODES**

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





**SPC/FFA REGIONAL OBSERVER  
ADVANCES and CLAIMS FORM**

**FORM  
SUP-4**

REV MAR. 2014

OBSERVER NAME	VESSEL NAME	IRCS	PAGE OF
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**ADVANCES**

Advance Claim Ref No.	Observer Trip ID No	NAME OF OBSERVER PROGRAMME or FISHING COMPANY MAKING ADVANCE	NAME OF PERSON PROVIDING ADVANCE	SIGNATURE (of person making advance)	State TYPE of ADVANCE (i.e. cash /other)	Curr-ency	Amount
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

**OBSERVER EXPENSE CLAIMS FOR REIMBURSEMENT**

EXP #	Claim item [number (#) each receipt] Description	Curr-ency	Amount	Claim item [number (#) each receipt] #	Description	Curr-ency	Amount
1				13			
2				14			
3				15			
4				16			
5				17			
6				18			
7				19			
8				20			
9				21			
10				22			
11				23			
12				24			

<b>Tick one box only:</b>	<input type="checkbox"/>	Please make payments to: .....	
		<small>(payee's name)</small>	<small>observer's signature</small>
		.....	.....
		<small>(bank)</small>	<small>(branch)</small>
			<small>(account number)</small>
	<input type="checkbox"/>	Please arrange for funds to be available on presentation of passport	

Written report and data was sent by: ..... on ..... Register ed mail

(hand caried, courier, express mail, etc.)      (date)

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

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

#### ADVANCES

<b>Advance Claim Reference Number</b>	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 photocopy of the form after they have signed it. Example of an advance claim reference number : ADV #1: ELE 15-07
<b>NAME OF OBSERVER PROGRAMME or FISHING COMPANY MAKING ADVANCE</b>	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.
<b>FULL NAME OF PERSON PROVIDING THE ADVANCE</b>	Clearly record the full name of the person that gave you the advance.
<b>SIGNATURE (of person making advance)</b>	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.
<b>TYPE OF ADVANCE</b>	State if you received cash, traveller's check or a bank transfer.
<b>CURRENCY</b>	State the currency that was received (i.e US for US dollars, YEN for Japanese yen, FJ for Fijian dollars etc)
<b>AMOUNT</b>	State the amount that was received in figures to two decimal places.

#### OBSERVER EXPENSE CLAIMS FOR REIMBURSEMENT

- All receipts should be dated and have the name of the company clearly indicated. A cash register receipt must be clear and have the item purchased listed on the receipt if this is not available ask for a hand written receipt with company name on the receipt. Remember to record what the currency is on each receipt.
- If no receipts are available (e.g. taxis) list these items on a sheet with full details, dates and currency and sign the sheet.
- Make sure all claim receipts are numbered and are placed in a separate envelope along with used and/or unused airline tickets. Send the envelope with work books. **Under no circumstances send anything by normal or surface mail**
- 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.
- 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.
- Although DSA (per diem / travel and accommodation 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 transshipment?***

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

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

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

### ***Rewards***

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

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

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

Tag recoveries may also be reported to SPC by email ([tagging@spc.int](mailto:tagging@spc.int)), or on a web-based form at:  
[www.spc.int/tagging](http://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](mailto:Carolines@spc.int) / (+687 242227)

## Reward Collection Locations

### American Samoa

1. CIFFO – Cook Island Field Fisheries Office PAGOPAGO  
(Contact: Isaiah Hunkin)

### China

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

### Cook Islands

1. Ministry of Marine Resources RAROTONGA  
(Contact: Andrew Jones)

### Ecuador

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

### Federated States of Micronesia

1. Secretariat of the Pacific Community POHNPEI  
(Contact: Amelia Antreas)
2. National Oceanic Resource Management Authority POHNPEI  
(Contact: Roland Halichimal)

### Fiji

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

### Guam

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

### Indonesia

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

### Japan

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

### Kiribati

1. Ministry of Fisheries & Marine Resource Development, Bairiki  
TARAWA (Contact: Mamera Afeleti / Benaia Bauro)
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

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

### New Caledonia

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

### Papua New Guinea

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

### Palau

1. Bureau of Marine Resources KOROR  
(Contact: Kathy Sisior)

### Philippines

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

### Seychelles

1. Indian Ocean Tuna Commission SEYCHELLES  
(Contact: Julien Million)

### Solomon Islands

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

### Taiwan

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

### Thailand

1. Thailand Department of Fisheries, SAMUTSAKOM  
(Contact: Suwimon Keeratiriyaporn)

### United States of America

1. Inter American Tropical Tuna Commission SANDIEGO  
(Contact: Dan Fuller)
2. 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 TAG RECOVERY FORM

REVISED SPC - Nov. 2011

PAGE \_\_\_\_\_ OF \_\_\_\_\_

Note the 1<sup>st</sup> date when the tag has been found. If you don't have an exact date, place a dash in the day field and note the month and/or year.

If there is more than 1 tag recovered during the trip, number each page.

**TAG NUMBER:**

**DATE WHEN TAG FOUND:** DD MM YY

**WHERE FOUND:** where did you find the tagged fish?  
 Port Fish market  Cold storage

**ACTIVITY WHEN FOUND:** What were you doing when you found the tagged fish?  
 Unloading at port

**FISH INFORMATION**

**SPECIES:** Specie code

**SPECIES RELIABILITY:**  Confirmed  Guessed

**NO length information**  If there is no length, place a cross and move to the next section.

**NO weight information**  If there is no weight, place a cross and move to the next section.

**PROCESSED STATE WHEN MEASURED:**  Fresh  Frozen  Frozen then thawed

**PROCESSED STATE WHEN WEIGHED:**  Whole weight  Gilled & gutted  Other... please specify:

**DATE** Exact  05 02 11

**POSITION** Exact  Latitude 06 02.300 N Longitude 140 04.600 E

**Estimated**  From 01 03 11 to 15 03 11

**Estimated**  Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered

Latitude	ddd	mm.mmm	N/S	Longitude	ddd	mm.mmm	E/W
Min	05°	02.500	N	Min	145°	12.300	E
Max	00°	50.600	N	Max	150°	20.450	E

**VESEL NAME:** Name of the vessel that caught the tagged fish.

**FISHING METHOD:** If on a PS or PL, enter the school type. If found in well with several school types, place a cross in all options.

**SCHOOL TYPE:**

**TRANSshipment INFORMATION/ Carrier only (if tag found on carrier)**

If the recovery of a tagged fish involve a carrier/reefer, fill this section. If the unloading/transshipment occurs at port, note the name of the port, if it is at sea note the country code (EEZ of the country).

If transshipment/set share occur the same day, note only 1 date.

**COUNTRY OF RECOVERY:** Country where the recovery will be reported or port where you disembarked.

**SENDER ADDRESS:** If you can't provide an address, note the fishing company.

**RECOVERY INFORMATION**

**TAG PROVIDED WITH THIS FORM**  Yes  No (tag kept for reward)

**TYPE OF REWARD**  Not Given  T-shirt  Cap  Cash


**FORM COMPLETED BY:** Your name

**COMMENTS:** Use this section to record any relevant information not provided on the form. Example: Archival tag number/copy of the data provided to the tag finder. You can attach the tag here:

**Type of tag** Yellow tag, Orange tag or Green tag

**Reward** 10\$ or Cap or T-shirt

## HOW TO FILL THE MULTIPLE TAG RECOVERY FORM

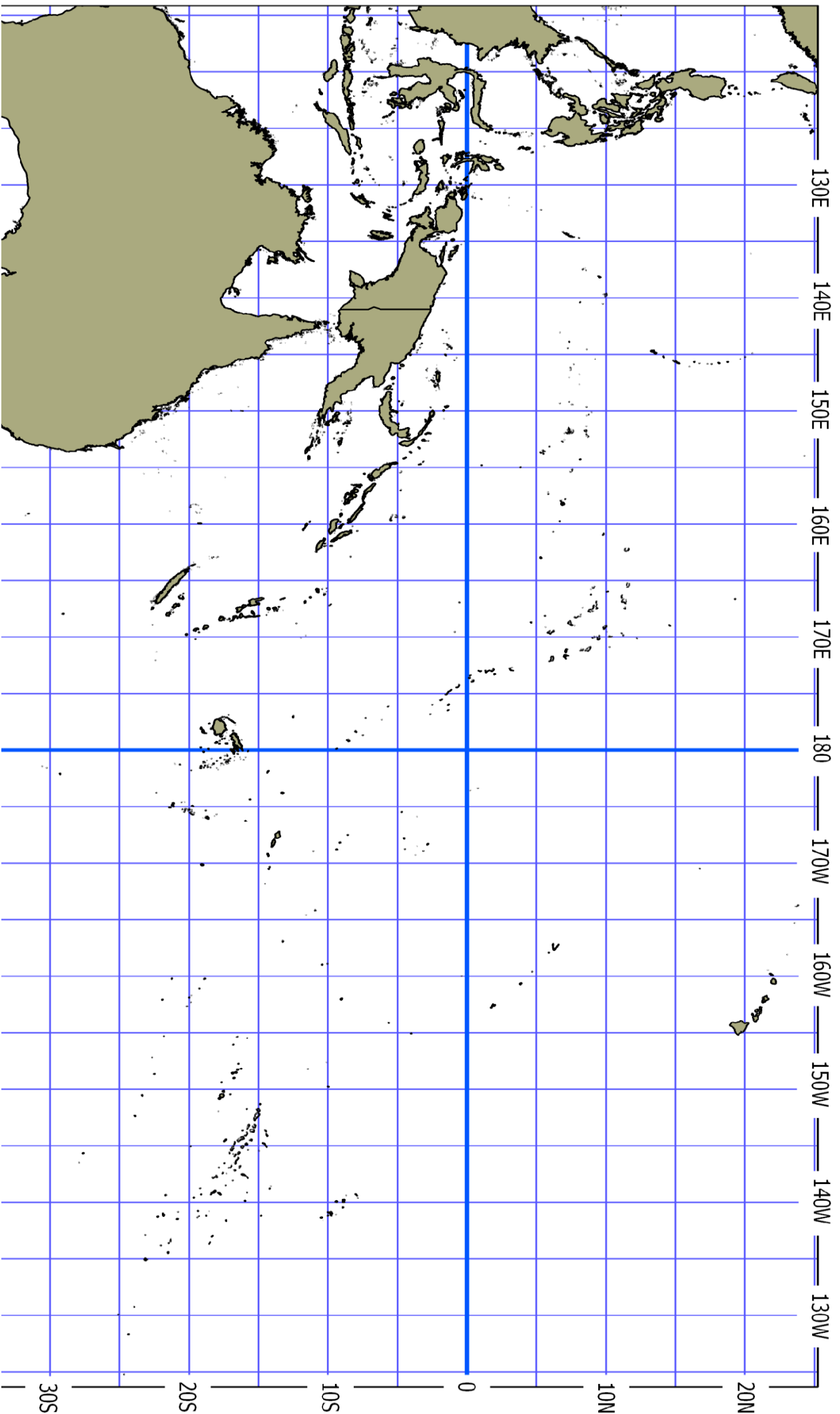
SPC MULTIPLE TAG RECOVERY FORM				PAGE / OF
MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM				Indicate if you have more than 1 series of multiple tag recoveries.
Where did you find the tagged fish?		DATE WHEN TAG FOUND: DD MM YY <b>26 08 11</b>		Note the date when the tags were first found. If you don't have an exact date, place a dash in the day field and note the month and/or year.
WHERE FOUND:	<input checked="" type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/>	
ACTIVITY WHEN FOUND:	<input checked="" type="checkbox"/> Fishing	What were you doing when you found the tagged fish? at port		WELL NUMBER WHERE FISH FOUND: (If Applicable)
TAG NUMBER:	SPECIES: <input checked="" type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other		If the tagged fish come from a well, note the number and position (Eg: S2 for starboard well #2). It is very important to note this information first and then you can determine which sets composed this well from your logbook.	
FORK LENGTH cm	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	Select the species code	
		HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated		
TAG NUMBER: <b>P-234587</b>	SPECIES: <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:		IDENTIFICATION: <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed	
FORK LENGTH cm	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	Are you sure about the identification?	
FISH WEIGHT Kg	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....	
TAG NUMBER:	SPECIES: <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:		IDENTIFICATION: <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed	
FORK LENGTH <b>65</b> cm	Note the size of the fish, round down to the nearest cm (Eg: 65.7cm=65)		Fresh <input type="checkbox"/> Frozen	
FISH WEIGHT <b>1.8</b> Kg	Note the exact weight of the fish (Eg: 1.8 kg).		Select 'Fresh' for a tagged fish caught during fishing time. Select 'Frozen' if found during well transfer/unloading.	
Were the size and weight measured with an instrument or estimated?	SPECIES: <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/>	
	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....	
FISH WEIGHT Kg	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	Select the processed state of the fish when weighed.	
TAG NUMBER:	SPECIES: <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:			
FORK LENGTH cm	NO length information <input checked="" type="checkbox"/>	If there is no length, place a cross and move to the next section.		
FISH WEIGHT Kg	NO weight information <input checked="" type="checkbox"/>	If there is no weight, place a cross and move to the next section.		
TAG NUMBER: <b>P-195236</b>	SPECIES: <input checked="" type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:		IDENTIFICATION: <input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Guessed	
FORK LENGTH <b>46</b> cm	NO length information <input type="checkbox"/>	HOW MEASURED? <input checked="" type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	PROCESSED STATE WHEN MEASURED: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Frozen	
FISH WEIGHT <b>1</b> Kg	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input checked="" type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	PROCESSED STATE WHEN WEIGHED: <input checked="" type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....	
TAG NUMBER: <b>P-278564</b>	SPECIES: <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input checked="" type="checkbox"/> YFT <input type="checkbox"/> Other please specify:		IDENTIFICATION: <input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Guessed	
FORK LENGTH <b>85</b> cm	NO length information <input type="checkbox"/>	HOW MEASURED? <input checked="" type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	PROCESSED STATE WHEN MEASURED: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Frozen	
FISH WEIGHT <b>5.9</b> Kg	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input checked="" type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	PROCESSED STATE WHEN WEIGHED: <input checked="" type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....	

### 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 same day, either from the same set during fishing time or from the same well 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.

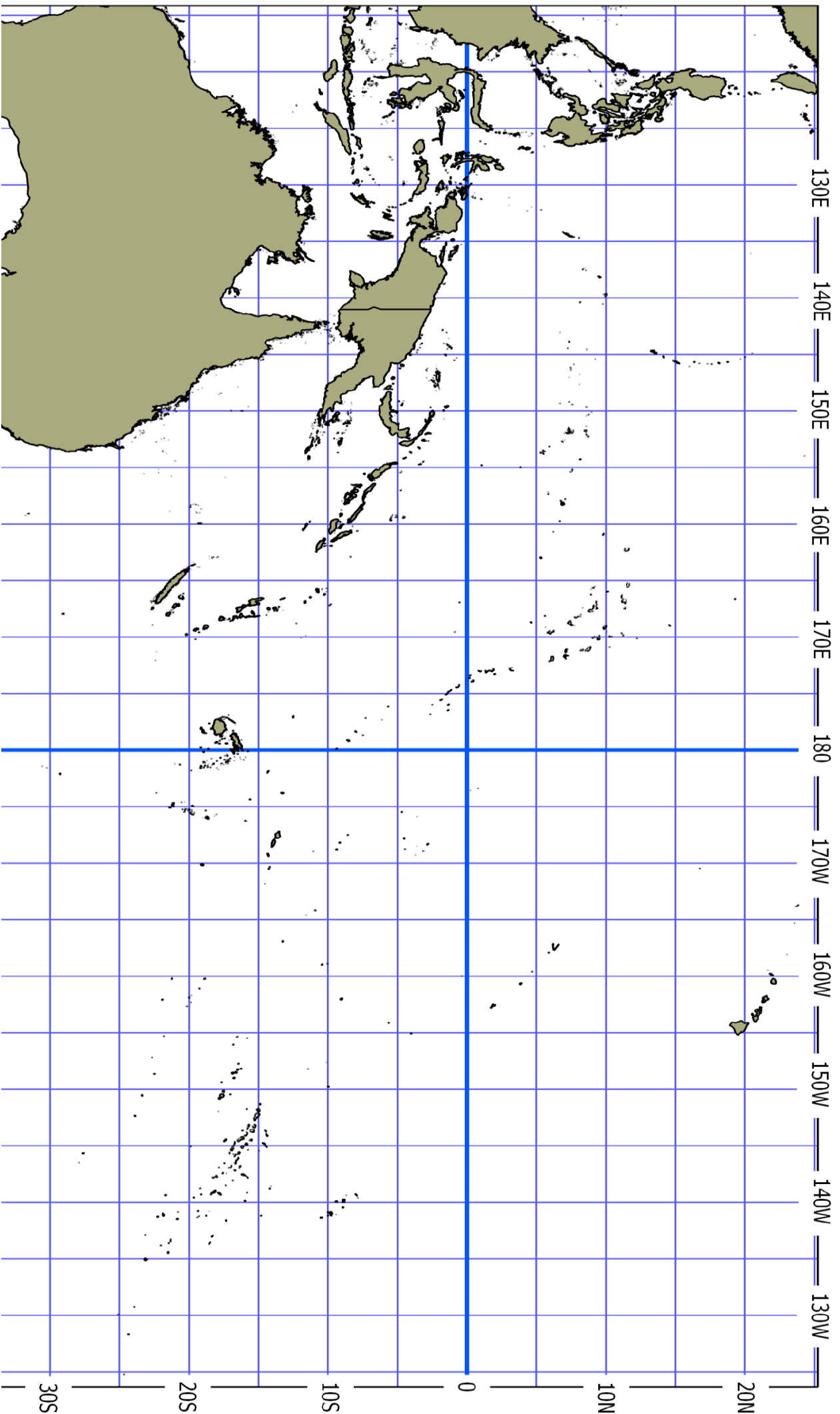


**Please use this map of the Pacific Ocean with a grid of 5 squares to determine where the tagged fish has been caught (Point or area)**

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 latitude and longitude on the first page.

Email: [tagging@spc.int](mailto:tagging@spc.int)

Website: [www.spc.int/tagging](http://www.spc.int/tagging)



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

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 latitude and longitude on the first page.

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Website: [www.spc.int/tagging](http://www.spc.int/tagging)

# SPC TAG RECOVERY FORM

REVISED SPC - Nov. 2011

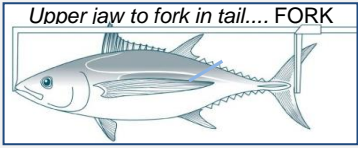
**Caution: when the tag is removed from the fish, be sure none of it remains inside the fish.**

## CRITICAL TAG INFORMATION

<b>TAG NUMBER:</b>	<b>DATE WHEN TAG FOUND:</b>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">DD</td> <td style="width: 33%; text-align: center;">MM</td> <td style="width: 33%; text-align: center;">YY</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	DD	MM	YY			
DD	MM	YY					

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	WELL NUMBER WHERE FISH FOUND: (If Applicable)

## FISH INFORMATION

<b>SPECIES:</b>	SPECIES RELIABILITY: <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed	
<b>Upper jaw to FORK LENGTH (UF):</b>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	
<b>cm</b>	WHO MEASURED? <input type="checkbox"/> Port sampler <input type="checkbox"/> Observer <input type="checkbox"/> Other... <i>Please specify:</i>	
PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen <input type="checkbox"/> Frozen then thawed		
<b>FISH WEIGHT</b>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	
<b>kg</b>	PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other... <i>please specify:</i>	

## FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel

<b>DATE</b>	<b>Exact</b> <input type="checkbox"/> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	DD	MM	YY				<b>Estimated</b> <input type="checkbox"/> From <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table> to <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	DD	MM	YY				DD	MM	YY																	
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<b>POSITION</b>	<b>Exact</b> <input type="checkbox"/> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">dd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">N / S</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	dd	mm.mmm	N / S				<b>Estimated</b> <input type="checkbox"/> Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered																										
dd	mm.mmm	N / S																																
	Latitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">°</td><td style="width: 20px;">.</td><td style="width: 20px;">'</td><td style="width: 20px;">''</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> </table>	°	.	'	''					Longitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">ddd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">E / W</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	ddd	mm.mmm	E / W				Latitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">°</td><td style="width: 20px;">.</td><td style="width: 20px;">'</td><td style="width: 20px;">''</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> </table>	°	.	'	''					Longitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">°</td><td style="width: 20px;">.</td><td style="width: 20px;">'</td><td style="width: 20px;">''</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> </table>	°	.	'	''				
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or DESCRIBE FISHING AREA:																																		

## FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)

<b>VESSEL NAME:</b>	<b>FLAG:</b>
<b>FISHING METHOD:</b>	<input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net <input type="checkbox"/> Other: _____
<b>SCHOOL TYPE:</b>	<input type="checkbox"/> Log <input type="checkbox"/> Free school <input type="checkbox"/> Anchored FAD <input type="checkbox"/> Drifting FAD <input type="checkbox"/> FAD no: _____

## TRANSSHIPMENT INFORMATION/ Carrier only (if tag found during set share/transhipment/unloading)

<b>NAME OF CARRIER:</b>	<b>FLAG:</b>	<b>DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:</b> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table> to <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	DD	MM	YY				DD	MM	YY				
DD	MM	YY													
DD	MM	YY													
LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):	TRANSSHIPMENT POSITION:	Latitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">dd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">N / S</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	dd	mm.mmm	N / S				Longitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">ddd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">E / W</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	ddd	mm.mmm	E / W			
dd	mm.mmm	N / S													
ddd	mm.mmm	E / W													

## FINDER INFORMATION / finder details for lottery

<b>FINDER NAME:</b>	<b>FINDER ADDRESS:</b>
<b>COUNTRY OF RECOVERY:</b>	<b>RECOVERY INFORMATION RECEIVED AT (Cannery/Company/Agency name):</b>
<b>TAG PROVIDED WITH THIS FORM</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No (tag kept by finder IF NO, specify expected reward for reward purpose) <i>location for finder (Port/Country):</i>
<b>TYPE OF REWARD</b>	<input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____ <b>FORM COMPLETED BY:</b>

COMMENTS:

ARCHIVAL TAG NUMBER (If applicable):

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

# SPC TAG RECOVERY FORM

PAGE / OF

REVISED SPC - Nov. 2011

**Caution: when the tag is removed from the fish, be sure none of it remains inside the fish.**

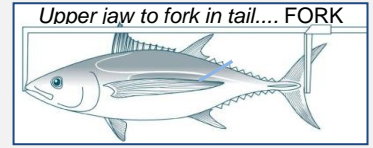
## CRITICAL TAG INFORMATION

<b>TAG NUMBER:</b>	<b>DATE WHEN TAG FOUND:</b>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">DD</td> <td style="width: 33%; text-align: center;">MM</td> <td style="width: 33%; text-align: center;">YY</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	DD	MM	YY			
DD	MM	YY					

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	<b>WELL NUMBER WHERE FISH FOUND:</b> (If Applicable)

## FISH INFORMATION

<b>SPECIES:</b>	<b>SPECIES RELIABILITY:</b>	<input type="checkbox"/> Confirmed	<input type="checkbox"/> Gussed	
<i>Upper jaw to FORK LENGTH (UF):</i> cm	<b>NO length Information</b> <input type="checkbox"/>	<b>HOW MEASURED?</b>		
		<input type="checkbox"/> Measuring tool	<input type="checkbox"/> Estimated	
	<b>WHO MEASURED?</b>	<input type="checkbox"/> Port sampler	<input type="checkbox"/> Observer	<input type="checkbox"/> Other... <i>Please specify:</i>
<b>PROCESSED STATE WHEN MEASURED:</b>				
		<input type="checkbox"/> Fresh	<input type="checkbox"/> Frozen	<input type="checkbox"/> Frozen then thawed
<b>FISH WEIGHT</b>	<b>NO weight information</b> <input type="checkbox"/>	<b>HOW WEIGHED?</b>		
		<input type="checkbox"/> Measuring tool	<input type="checkbox"/> Estimated	
<b>PROCESSED STATE WHEN WEIGHED:</b>				
		<input type="checkbox"/> Whole weight	<input type="checkbox"/> Gilled & gutted	<input type="checkbox"/> Other.... <i>please specify:</i>



## FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel

<b>DATE</b>	<b>Exact</b> <input type="checkbox"/>	DD	MM	YY	<b>Estimated</b> <input type="checkbox"/>	From	DD	MM	YY	to	DD	MM	YY	
<b>POSITION</b>	<b>Exact</b> <input type="checkbox"/>	dd	mm.mmm	N / S	<b>Estimated</b> <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered								
	Latitude	°	.	'	dd	mm.mmm	N / S	ddd	mm.mmm	E / W				
	Longitude	°	.	'	Latitude	Min	Max	°	.	'	Longitude	°	.	'
	or DESCRIBE FISHING AREA:													

## FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)

<b>VESSEL NAME:</b>	<b>FLAG:</b>
<b>FISHING METHOD:</b>	<input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net                    Other: _____
<b>SCHOOL TYPE:</b>	<input type="checkbox"/> Log <input type="checkbox"/> Free school <input type="checkbox"/> Anchored FAD <input type="checkbox"/> Drifting FAD                    FAD no: _____

## TRANSSHIPMENT INFORMATION/ Carrier only (if tag found during set share/transhipment/unloading)

<b>NAME OF CARRIER:</b>	<b>FLAG:</b>	<b>DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:</b>	DD	MM	YY	to	DD	MM	YY	
<b>LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):</b>			<b>TRANSHIPMENT POSITION:</b>							
			dd	mm.mmm	N / S	ddd	mm.mmm	E / W		
			°	.	'	°	.	'		

## FINDER INFORMATION / finder details for lottery

<b>FINDER NAME:</b>	<b>FINDER ADDRESS:</b>
<b>COUNTRY OF RECOVERY:</b>	<b>RECOVERY INFORMATION RECEIVED AT (Cannery/Company/Agency name):</b>
<b>TAG PROVIDED WITH THIS FORM</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No                    (tag kept by finder IF NO, specify expected reward for reward purpose) <i>location for finder (Port/Country):</i>
<b>TYPE OF REWARD</b>	<b>FORM COMPLETED BY:</b>
<input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____	

COMMENTS:

ARCHIVAL TAG NUMBER (If applicable):

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

# SPC TAG RECOVERY FORM

REVISED SPC - Nov. 2011

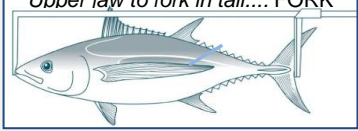
**Caution: when the tag is removed from the fish, be sure none of it remains inside the fish.**

## CRITICAL TAG INFORMATION

<b>TAG NUMBER:</b>	<b>DATE WHEN TAG FOUND:</b>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">DD</td> <td style="width: 33%; text-align: center;">MM</td> <td style="width: 33%; text-align: center;">YY</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	DD	MM	YY			
DD	MM	YY					

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	WELL NUMBER WHERE FISH FOUND: (If Applicable)

## FISH INFORMATION

<b>SPECIES:</b>	SPECIES RELIABILITY: <input type="checkbox"/> Confirmed <input type="checkbox"/> Gussed	
<b>Upper jaw to FORK LENGTH (UF):</b>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	
cm	WHO MEASURED? <input type="checkbox"/> Port sampler <input type="checkbox"/> Observer <input type="checkbox"/> Other... <i>Please specify:</i>	
PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen <input type="checkbox"/> Frozen then thawed		
<b>FISH WEIGHT</b>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated	
kg	PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other... <i>please specify:</i>	

## FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel

<b>DATE</b>	Exact <input type="checkbox"/> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	DD	MM	YY				Estimated <input type="checkbox"/>	From <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table> to <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	DD	MM	YY				DD	MM	YY							
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<b>POSITION</b>	Exact <input type="checkbox"/> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">dd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">N / S</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	dd	mm.mmm	N / S				Estimated <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered																
dd	mm.mmm	N / S																							
	Latitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">°</td><td style="width: 20px;">.</td><td style="width: 20px;">'</td><td style="width: 20px;">''</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> </table>	°	.	'	''					Latitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">°</td><td style="width: 20px;">.</td><td style="width: 20px;">'</td><td style="width: 20px;">''</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> </table>	°	.	'	''					Longitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">ddd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">E / W</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	ddd	mm.mmm	E / W			
°	.	'	''																						
°	.	'	''																						
ddd	mm.mmm	E / W																							
or DESCRIBE FISHING AREA:																									

## FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)

<b>VESSEL NAME:</b>	<b>FLAG:</b>
<b>FISHING METHOD:</b>	<input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net <input type="checkbox"/> Other: _____
<b>SCHOOL TYPE:</b>	<input type="checkbox"/> Log <input type="checkbox"/> Free school <input type="checkbox"/> Anchored FAD <input type="checkbox"/> Drifting FAD <input type="checkbox"/> FAD no: _____

## TRANSSHIPMENT INFORMATION/ Carrier only (if tag found during set share/transhipment/unloading)

<b>NAME OF CARRIER:</b>	<b>FLAG:</b>	<b>DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:</b>												
		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table> to <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="width: 20px;">DD</td><td style="width: 20px;">MM</td><td style="width: 20px;">YY</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	DD	MM	YY				DD	MM	YY			
DD	MM	YY												
DD	MM	YY												
<b>LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):</b>	<b>TRANSHIPMENT POSITION:</b>													
	Latitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">dd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">N / S</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	dd	mm.mmm	N / S				Longitude <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">ddd</td><td style="width: 20px;">mm.mmm</td><td style="width: 20px;">E / W</td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </table>	ddd	mm.mmm	E / W			
dd	mm.mmm	N / S												
ddd	mm.mmm	E / W												

## FINDER INFORMATION / finder details for lottery

<b>FINDER NAME:</b>	<b>FINDER ADDRESS:</b>
<b>COUNTRY OF RECOVERY:</b>	<b>RECOVERY INFORMATION RECEIVED AT (Cannery/Company/Agency name):</b>
<b>TAG PROVIDED WITH THIS FORM</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No (tag kept by finder IF NO, specify expected reward for reward purpose) <i>location for finder (Port/Country):</i>
<b>TYPE OF REWARD</b>	<input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____ <b>FORM COMPLETED BY:</b>

COMMENTS:

ARCHIVAL TAG NUMBER (If applicable):

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

# SPC TAG RECOVERY FORM

REVISED SPC - Nov. 2011

**Caution: when the tag is removed from the fish, be sure none of it remains inside the fish.**

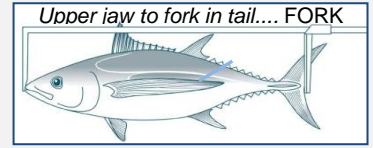
## CRITICAL TAG INFORMATION

<b>TAG NUMBER:</b>	<b>DATE WHEN TAG FOUND:</b>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">DD</td> <td style="width: 33%; text-align: center;">MM</td> <td style="width: 33%; text-align: center;">YY</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	DD	MM	YY			
DD	MM	YY					

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	<b>WELL NUMBER WHERE FISH FOUND:</b> (If Applicable)

## FISH INFORMATION

<b>SPECIES:</b>	<b>SPECIES RELIABILITY:</b>	<input type="checkbox"/> Confirmed	<input type="checkbox"/> Gessed
<i>Upper jaw to FORK LENGTH (UF):</i>	<b>NO length Information</b> <input type="checkbox"/>	<b>HOW MEASURED?</b>	
<i>cm</i>	WHO MEASURED?	<input type="checkbox"/> Measuring tool	<input type="checkbox"/> Estimated
	<input type="checkbox"/> Port sampler	<input type="checkbox"/> Observer	<input type="checkbox"/> Other... <i>Please specify:</i>
	<b>PROCESSED STATE WHEN MEASURED:</b>		
	<input type="checkbox"/> Fresh	<input type="checkbox"/> Frozen	<input type="checkbox"/> Frozen then thawed
<b>FISH WEIGHT</b>	<b>NO weight information</b> <input type="checkbox"/>	<b>HOW WEIGHED?</b>	
<i>kg</i>	WHO WEIGHED?	<input type="checkbox"/> Measuring tool	<input type="checkbox"/> Estimated
	<input type="checkbox"/> Whole weight	<input type="checkbox"/> Gilled & gutted	<input type="checkbox"/> Other... <i>please specify:</i>



## FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel

<b>DATE</b>	<b>Exact</b> <input type="checkbox"/>	DD	MM	YY	<b>Estimated</b> <input type="checkbox"/>	From	DD	MM	YY	to	DD	MM	YY	
<b>POSITION</b>	<b>Exact</b> <input type="checkbox"/>	dd	mm.mmm	N / S	<b>Estimated</b> <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered								
	Latitude	°	.	'	dd	mm.mmm	N / S	ddd	mm.mmm	E / W	°	.	'	
	Longitude	°	.	'	Latitude	Min	Max	°	.	'	Longitude	°	.	'
or DESCRIBE FISHING AREA:														

## FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)

<b>VESSEL NAME:</b>	<b>FLAG:</b>					
<b>FISHING METHOD:</b>	<input type="checkbox"/> Longline	<input type="checkbox"/> Purse seine	<input type="checkbox"/> Troll	<input type="checkbox"/> Handline	<input type="checkbox"/> Gill net	Other: _____
<b>SCHOOL TYPE:</b>	<input type="checkbox"/> Log	<input type="checkbox"/> Free school	<input type="checkbox"/> Anchored FAD	<input type="checkbox"/> Drifting FAD	FAD no: _____	

## TRANSSHIPMENT INFORMATION/ Carrier only (if tag found during set share/transhipment/unloading)

<b>NAME OF CARRIER:</b>	<b>FLAG:</b>	<b>DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:</b>												
		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">DD</td> <td style="width: 33%; text-align: center;">MM</td> <td style="width: 33%; text-align: center;">YY</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table> to <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">DD</td> <td style="width: 33%; text-align: center;">MM</td> <td style="width: 33%; text-align: center;">YY</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	DD	MM	YY				DD	MM	YY			
DD	MM	YY												
DD	MM	YY												
<b>LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):</b>	<b>TRANSHIPMENT POSITION:</b>													
	Latitude	Longitude												
	dd	ddd												
	mm.mmm	mm.mmm												
	N / S	E / W												

## FINDER INFORMATION / finder details for lottery

<b>FINDER NAME:</b>	<b>FINDER ADDRESS:</b>		
<b>COUNTRY OF RECOVERY:</b>	<b>RECOVERY INFORMATION RECEIVED AT</b> (Cannery/Company/Agency name):		
<b>TAG PROVIDED WITH THIS FORM</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	(tag kept by finder IF NO, specify expected reward for reward purpose) location for finder (Port/Country):
<b>TYPE OF REWARD</b>	<input type="checkbox"/> Not given	<input type="checkbox"/> T-shirt	<input type="checkbox"/> Cap
	<input type="checkbox"/> Cash - amount: _____	<b>FORM COMPLETED BY:</b>	

COMMENTS:

ARCHIVAL TAG NUMBER (If applicable):

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



# SPC MULTIPLE TAG RECOVERY FORM

MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM THE SAME SET or THE SAME WELL

REVISED SPC - Nov 2011

DATE WHEN TAG FOUND:	DD	MM	YY

**"When the tag is removed from the fish, be sure none of it remains inside the fish"**

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	WELL NUMBER (If Applicable) WHERE FISH FOUND:

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

**FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel**

<b>DATE</b>	Exact <input type="checkbox"/>	DD	MM	YY	Estimated <input type="checkbox"/>	From	DD	MM	YY	to	DD	MM	YY
<b>POSITION</b>	Exact <input type="checkbox"/>	dd	mm.mmm	N / S	Estimated <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered							
	Latitude	°	'			dd	mm.mmm	N / S	ddd	mm.mmm	E / W		
	Longitude	ddd	mm.mmm	E / W		Latitude Min	°	'		Longitude	°	'	
or DESCRIBE FISHING AREA:													

**FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)**

<b>VESSEL NAME:</b>	FLAG:
FISHING METHOD: <input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net Other: _____	
SCHOOL TYPE: <input type="checkbox"/> Log <input type="checkbox"/> Free school <input type="checkbox"/> Anchored FAD <input type="checkbox"/> Drifting FAD FAD no: _____	

**TRANSSHIPMENT INFORMATION/ Carrier only (if tags found during set share/transshipment/unloading/)**

<b>NAME OF CARRIER:</b>	FLAG:	DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:	DD	MM	YY	to	DD	MM	YY
LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):	TRANSHIPMENT POSITION:	Latitude	dd	mm.mmm	N / S	Longitude	ddd	mm.mmm	E / W

**FINDER INFORMATION / finder details for lottery**

<b>FINDER NAME:</b>	FINDER ADDRESS:
PORT OF RECOVERY:	RECOVERY INFORMATION RECEIVED AT (Fishing Company/Agency name):
ALL TAGS PROVIDED WITH THIS FORM <input type="checkbox"/> Yes <input type="checkbox"/> No (tags kept by finder for reward purpose)	IF NO, specify expected reward location for finder (Port/Country):
TYPE OF REWARD <input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____	FORM COMPLETED BY:

Attach the tags here

ARCHIVAL TAG NUMBER (If applicable):

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

# SPC MULTIPLE TAG RECOVERY FORM

MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM THE SAME SET or THE SAME WELL

REVISED SPC - Nov 2011

DATE WHEN TAG FOUND:	DD	MM	YY

**"When the tag is removed from the fish, be sure none of it remains inside the fish"**

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	WELL NUMBER (If Applicable) WHERE FISH FOUND:

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

**FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel**

<b>DATE</b>	Exact <input type="checkbox"/>	DD	MM	YY	Estimated <input type="checkbox"/>	From	DD	MM	YY	to	DD	MM	YY
<b>POSITION</b>	Exact <input type="checkbox"/>	dd	mm.mmm	N / S	Estimated <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered							
	Latitude	°	'			dd	mm.mmm	N / S	ddd	mm.mmm	E / W		
	Longitude	ddd	mm.mmm	E / W		Latitude Min	°	'		Longitude	°	'	
or DESCRIBE FISHING AREA:													

**FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)**

<b>VESSEL NAME:</b>	FLAG:
FISHING METHOD: <input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net Other: _____	
SCHOOL TYPE: <input type="checkbox"/> Log <input type="checkbox"/> Free school <input type="checkbox"/> Anchored FAD <input type="checkbox"/> Drifting FAD FAD no: _____	

**TRANSSHIPMENT INFORMATION/ Carrier only (if tags found during set share/transshipment/unloading/)**

<b>NAME OF CARRIER:</b>	FLAG:	DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:	DD	MM	YY	to	DD	MM	YY
LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):	TRANSSHIPMENT POSITION:	Latitude	dd	mm.mmm	N / S	Longitude	ddd	mm.mmm	E / W

**FINDER INFORMATION / finder details for lottery**

<b>FINDER NAME:</b>	FINDER ADDRESS:
PORT OF RECOVERY:	RECOVERY INFORMATION RECEIVED AT (Fishing Company/Agency name):
ALL TAGS PROVIDED WITH THIS FORM <input type="checkbox"/> Yes <input type="checkbox"/> No (tags kept by finder for reward purpose)	IF NO, specify expected reward location for finder (Port/Country):
TYPE OF REWARD <input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____	FORM COMPLETED BY:

Attach the tags here

ARCHIVAL TAG NUMBER (If applicable):

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

# SPC MULTIPLE TAG RECOVERY FORM

MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM THE SAME SET or THE SAME WELL

REVISED SPC - Nov 2011

DATE WHEN TAG FOUND:	DD	MM	YY

**"When the tag is removed from the fish,  
be sure none of it remains inside the fish"**

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	WELL NUMBER (If Applicable) WHERE FISH FOUND:

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
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		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
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FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

**FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel**

<b>DATE</b>	Exact <input type="checkbox"/>	DD	MM	YY	Estimated <input type="checkbox"/>	From	DD	MM	YY	to	DD	MM	YY
<b>POSITION</b>	Exact <input type="checkbox"/>	dd	mm.mmm	N / S	Estimated <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered							
	Latitude	°	'			dd	mm.mmm	N / S	ddd	mm.mmm	E / W		
	Longitude	ddd	mm.mmm	E / W		Latitude Min	°	'		Longitude	°	'	
or DESCRIBE FISHING AREA:													

**FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)**

<b>VESSEL NAME:</b>	FLAG:
FISHING METHOD: <input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net Other: _____	
SCHOOL TYPE: <input type="checkbox"/> Log <input type="checkbox"/> Free school <input type="checkbox"/> Anchored FAD <input type="checkbox"/> Drifting FAD FAD no: _____	

**TRANSSHIPMENT INFORMATION/ Carrier only (if tags found during set share/transshipment/unloading/)**

<b>NAME OF CARRIER:</b>	FLAG:	DATE OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER:	DD	MM	YY	to	DD	MM	YY
LOCATION OF TRANSSHIPMENT FROM FISHING VESSEL TO CARRIER (EEZ/Port):	TRANSSHIPMENT POSITION:	Latitude	dd	mm.mmm	N / S	Longitude	ddd	mm.mmm	E / W

**FINDER INFORMATION / finder details for lottery**

<b>FINDER NAME:</b>	FINDER ADDRESS:
PORT OF RECOVERY:	RECOVERY INFORMATION RECEIVED AT (Fishing Company/Agency name):
ALL TAGS PROVIDED WITH THIS FORM <input type="checkbox"/> Yes <input type="checkbox"/> No (tags kept by finder for reward purpose)	IF NO, specify expected reward location for finder (Port/Country):
TYPE OF REWARD <input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____	FORM COMPLETED BY:

Attach the tags here

ARCHIVAL TAG NUMBER (If applicable):

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

# SPC MULTIPLE TAG RECOVERY FORM

MULTIPLE TAGGED FISH FOUND THE SAME DAY, COMING FROM THE SAME SET or THE SAME WELL

REVISED SPC - Nov 2011

DATE WHEN TAG FOUND:	DD	MM	YY

**"When the tag is removed from the fish, be sure none of it remains inside the fish"**

<b>WHERE FOUND:</b>	<input type="checkbox"/> Fishing vessel	<input type="checkbox"/> Reefer / Transfer / Carrier	<input type="checkbox"/> Port Fish market	<input type="checkbox"/> Cold storage
<b>ACTIVITY WHEN FOUND:</b>	<input type="checkbox"/> Fishing	<input type="checkbox"/> Transfer / Transhipment	<input type="checkbox"/> Unloading at port	WELL NUMBER (If Applicable) WHERE FISH FOUND:

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
FISH WEIGHT <small>Kg</small>	NO weight information <input type="checkbox"/>	HOW WEIGHED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
		PROCESSED STATE WHEN WEIGHED: <input type="checkbox"/> Whole weight <input type="checkbox"/> Gilled & gutted <input type="checkbox"/> Other....

<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
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		PROCESSED STATE WHEN MEASURED: <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen
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<b>TAG NUMBER:</b>	<b>SPECIES:</b> <input type="checkbox"/> SKJ <input type="checkbox"/> BET <input type="checkbox"/> YFT <input type="checkbox"/> Other please specify:	<b>IDENTIFICATION:</b> <input type="checkbox"/> Confirmed <input type="checkbox"/> Guessed
FORK LENGTH <small>cm</small>	NO length information <input type="checkbox"/>	HOW MEASURED? <input type="checkbox"/> Measuring tool <input type="checkbox"/> Estimated
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**FISH CATCH INFORMATION / Date and position when fish was caught by the fishing vessel**

<b>DATE</b>	Exact <input type="checkbox"/>	DD	MM	YY	Estimated <input type="checkbox"/>	From	DD	MM	YY	to	DD	MM	YY
<b>POSITION</b>	Exact <input type="checkbox"/>	dd	mm.mmm	N / S	Estimated <input type="checkbox"/>	Record 2 lines of latitude and 2 of longitude to form box in which tag was likely recovered							
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or DESCRIBE FISHING AREA:													

**FISHERY INFORMATION (Catcher / Fishing vessel that caught the tagged fish)**

<b>VESSEL NAME:</b>	FLAG:
FISHING METHOD: <input type="checkbox"/> Longline <input type="checkbox"/> Purse seine <input type="checkbox"/> Troll <input type="checkbox"/> Handline <input type="checkbox"/> Gill net Other: _____	
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ALL TAGS PROVIDED WITH THIS FORM <input type="checkbox"/> Yes <input type="checkbox"/> No (tags kept by finder for reward purpose)	IF NO, specify expected reward location for finder (Port/Country):
TYPE OF REWARD <input type="checkbox"/> Not given <input type="checkbox"/> T-shirt <input type="checkbox"/> Cap <input type="checkbox"/> Cash - amount: _____	FORM COMPLETED BY:

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CODES PAGE  
POLE-AND-LINE OBSERVER WORKBOOK

**ISO Standard 3166-1 alpha-2**

**Country Codes**

AS	American Samoa
AU	Australia
BZ	Belize
CK	Cook Islands
CA	Canada
EC	Ecuador
SV	El Savador
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	Lituania
CN	Mainland China
MY	Malaysia
MT	Malta
MH	Marshall Islands
NR	Nauru
NL	Netherlands
NZ	New Zealand
NC	New Caledonia
NU	Niue
MR	Nothern Mariana
PW	Palau
PA	Panama
PG	Papua New Guinea
PH	Philippines
RU	Russia
SB	Solomons Islands
TW	Chinese Taipei (Taiwan)
TK	Tokelau
US	United States
VU	Vanuaut
WF	Wallis and Futuna
WS	Samoa

<b>SSI</b>	<b>ALL SPECIES OF SPECIAL INTEREST</b>
<b>TTX</b>	<b>All Turtles</b>
TTL	Loggerhead Turtle
LTB	Leatherback Turtle
TUG	Green Turtle
LKV	Olive Ridley Turtle
TTH	Hawksbill Turtle
KEZ	Eastern Pacific Green Turtle (black turtle)
FBT	Flatback turtle
<b>MAM</b>	<b>All Marine Mammals</b>
<b>ODN</b>	<b>Toothed Whales</b>
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
<b>MYS</b>	<b>All Baleen Whales</b>
BLW	Blue whale
FIW	Fin whale
SIW	Sei whale
BRW	Bryde's whale
MIW	Minke whale
HUW	Humpback whale
<b>DLP</b>	<b>All Dolphins</b>
DBO	Bottlenose Dolphin
DCO	Common Dolphin (short-beaked)
DRR	Risso's Dolphin
DSI	Spinner Dolphin
DPN	Spotted Dolphin
DST	Stiped Dolphin
RTD	Rough-toothed Dolphin
<b>SHK</b>	<b>All Sharks</b>
RHN	Whale Shark
OCS	Oceanic White-tip Shark
FAL	Silky Shark
<b>BIZ</b>	<b>All birds</b>
DKN	Black-footed albatross
DIZ	Laysan albatross
ALZ	Albatrosses
SZV	Boobies and Gannets
PRX	Petrels and Shearwaters
LRD	Gulls, Terns, Skuas

## FAD CODES

### Origin of FAD

- 1 Your vessel's deployed this trip
- 2 Your vessel's deployed previous trip
- 3 Other vessel's (owner consent)
- 4 Other vessel's (no owner's consent)
- 5 Other vessel's (consent unknown)
- 6 Drifting and found by your vessel
- 7 Deployed by FAD auxiliary vessel
- 8 Origin unknown
- 9 Other origin - *(please specify)*

### Floating Object

"as found" or "as left"

- 1 Man made object (Drifting FAD)
- 2 Man made object (Non FAD)
- 3 Tree or log (natural, free floating)
- 4 Tree or log (converted into FAD)
- 5 Debris (flotsam bunched together)
- 6 Dead Animal (specify i.e. whale horse etc.)
- 7 Anchored Raft, FAD, or Payo
- 8 Anchored Tree or Logs
- 9 Other (please specify)
- 10 Man made object (Drifting FAD) - changed

---

### FAD MATERIALS

#### Main Materials

- 1 Logs, trees or debris tied together
- 2 Timber / planks / pallets / spools
- 3 PVC or Plastic tubing
- 4 Plastic drums
- 5 Plastic sheeting
- 6 Metal drums (i.e. 44 gal)
- 7 Philippines design drum FAD
- 8 Bamboo / Cane
- 9 Floats / Corks
- 10 Unknown (describe)

### FAD MATERIALS

#### FAD Attachments

- 11 Chain, cable rings, weights
- 12 Cord / rope
- 13 Netting hanging underneath FAD
- 14 Bait containers
- 15 Sacking / bagging
- 16 Coconut fronds / tree branches
- 17 Other (describe)

*PACIFIC COMMUNITY OBSERVER PROGRAMMES*

**POLE-AND-LINE  
OBSERVER TRIP REPORT**

**VESSEL NAME:** \_\_\_\_\_

**Date of Departure:**

**Date of Arrival:**

**Port of departure:**

**Port of arrival:**

**OBSERVER NAME:** \_\_\_\_\_



**Observer Programme:** \_\_\_\_\_

## **Trip Report Guidelines**

### **1.0 BACKGROUND**

Describe the objectives of the trip and how the vessel was allocated. Mention who your Placement Officer was, whether there was any introduction between the captain, the vessel owner and the observer. State if there were any problems with boarding and placement procedures.

### **2.0 CRUISE SUMMARY**

Summarise the trip in a few paragraphs using the following guidelines :

- Departure, date and time, name of port. (Was the departure delayed ?)
- Total number of days at sea; total number of Polings/Chumming/Spraying;
- Any extraordinary events - major breakdowns, serious injuries, rescues of others, etc.
- General outline of areas fished.
- Total metric tonnage of target tuna species (bigeye, yellowfin, skipjack) retained.
- Name each of the other species taken.
- Return, date and time, name of port.
- If this was an incomplete trip (you returned to port for any reason other than a complete unloading) state the reason this was not a complete trip.

(You may like to refer to the computer generated tables (1: Trip summary; 2: Summary of Target Catch and Sampling by Set; 3: Trip Catch Statistics).

### **3.0 DATA COLLECTED**

Mention the types of forms you used. Especially note if you used forms which were not part of your workbook or if forms that were not the regional standard were used.

### **4.0 VESSEL AND CREW DETAILS**

Describe the vessel characteristics: include the vessel's agent/company, its nationality, GRT, length, year built, the crew number and their nationalities.

#### **4.1 Crew information**

Note down any information you have gained on the salaries, general experience, backgrounds of the crew etc.

##### ***4.1.1 Training of Pacific Islands Nationals***

Provide the full names of all Pacific Islander crews, and briefly note their previous seamanship experience, training background, and future goals.

#### **4.2 Fishing gear**

Describe the general state of equipment. Was there any new equipment on board? Did the Captain or officers use the equipment in an unusual way? Describe the gear (the general state of deck equipment, anything new or unusual, new ways of using gear). Describe the automatic poling devices, if there were any. Were you unable to get any of the information asked for under the 'Vessel Characteristics' and 'Fishing Gear' sections on the PL-1 form, if yes, explain why.

#### **4.3 Automatic poling devices**

Comment on the automatic poling devices. How effective is the devices compared to the normal manpower poling?

#### **4.4 Use of Electronic Equipment**

Explain how the vessel used their electronics. Did they use any of the electronics in a different way to other vessels? Did the vessel use any piece of electronics not included in the electronic section of the form PL-1. If so, how was it used? Were you unable to get any of the information requested under the 'Electronics' section of the PL-1 form, if yes, explain why.

## **4.5 Bait fishing**

Describe the baitfishing operations. What were the positions/location of the baitfishing ground. What was the moonphase during the baitfishing. Write down the species name/local name of each species caught. How long did they leave the net in the water before hauling and did they put the net out again. How successful was the baitfishing during this trip.

## **4.6 Bait wells**

Describe the bait wells. Give an estimate of each well's total volume and make a sketch of the well plan if appropriate. Describe how the water in the bait wells were kept cool / or refrigerated.

## **4.7 Waste Disposal System**

Mention if the vessel has procedures or equipment onboard to deal with fish offal. Is the fish offal / damaged fish discarded straight into the sea, or how it is dealt with.

## **5.0 ENVIRONMENTAL CONDITIONS**

Describe the main weather conditions, i.e. the average wind speed and direction as well as the highest and lowest speeds encountered during the trip. Describe the predominant sea conditions - the range of swell's direction and size, the sea surface temperature range, the main currents direction and strength (if available). Indicate if adverse conditions prevented fishing.

## **6.0 FISHING STRATEGY**

Describe the fishing strategy employed by the captain. How did it compare to other vessels, what other vessels did yours cooperate with, for instance. Did you target logs/FADs or free schools? What was the planned fishing strategy when you left the baitfish ground/port? Did they concentrate on free schools or floating object schools? What tactics did they use to find these floating object schools?

### **6.1 Oceanic and Environmental Features**

Did the presence of seamounts, trench current lines, logs, debris areas or other natural features influence the searching strategy or where FAD's were placed. Did the moon phase have an effect on the amount or size of tuna species caught?

### **6.2 Fishery Information Services**

Report if you have noticed the vessel using sophisticated software, Internet Services or other means to receive supplementary fishery information updates. Report on the type of information that is being accessed by the vessel e.g. phytoplankton, sea-surface temperature, or sea height. Note the name of any websites that are being used.

## **7.0 CATCH DETAILS**

### **7.1 Retained Target Catch**

Describe your sampling protocol for the target catch. Did you identify yellowfin and bigeye when sampling? Note the amount of target catch retained on the vessel for each species. Note down the differences between your totals and those noted by the vessel. In particular how much bigeye was in the catch and did your vessel record this as bigeye or as yellowfin. Was the target catch sorted in anyway before it was put into the wells?

### **7.2 Discarded Target Catch**

Note the total amount of target catch discards you observed. What were the reasons for discarding?

### **7.3 Bycatch Details**

Describe any by-catch landed. Comment on the processing and fate of the by-catch.

For each of the heading below describe the catch for each species (i.e. the number or amount of each species landed), mention if the fish were discarded. If any bycatch species were retained explain why.

### **7.3.1 Billfish**

### **7.3.2 Sharks and Rays**

Describe the catch for each shark species (i.e. the number or weight for each species); were they finned, retained or discarded or were there any special processing procedures used.

### **7.3.3 Other by-catch species**

Describe the number of other by-catch species taken and any special catch (i.e. rarely taken species or a particularly high catch rate of a species normally taken).

### **7.3.4 Species of special interest - Landed (All turtles, marine mammals, birds and whale sharks)**

Write a concise description of every species of special interest that was landed. Mention the species name, its condition when landed, the treatment it received onboard and its condition when discarded.

### **7.3.5 Species of special interest – Interactions and sightings**

Did you see any other species of special interest that were not landed onboard? Did you see any marine mammals during and after poling. Were you able to identify the species? Was the species harmed in anyway? Did you see any other species of special interest when you were transiting or searching. Make a note of these sightings here.

## **8.0 OTHER PROJECTS -----**

Describe the data collected for any other special projects you were asked to carry out, fill in the heading on the line above. Any additional projects can be written up at the end of this report.

## **9.0 WELL LOADINGS**

Describe the well loading. Was there any well filled with one poling? Was the catch sorted out into different wells.

## **10.0 VESSEL'S OWN DATA COLLECTION:**

Use this section to comment on the data collected and recorded by the vessel. Mention who is primarily responsible for recording the data and when. What logsheets were used? Were you given good access to the vessel's logsheets and their other data collection formats. Did they fail to record any of the target catch or bycatch on their logsheets?

## **11.0 GENERAL**

(General information that you have picked up casually during the trip that may be useful for understanding the development of the fishery or for improving observer life on board). Examples of possible headings are: 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, etc.

### **11.1 Recommendations for observers**

Mention any special problems or needs of observers on this or similar vessels.

### **11.2 Communication with Captain and crew**

Were your relationships with the captain and crew friendly or tense? Describe any problems you had and highlight any helpful encounters you had.

### **11.3 Accommodation**

Were your accommodation, meal and hygiene facilities adequate?

**11.3** Place your heading here (-----)

### **12.0 VESSEL TRIP REPORT (GEN-3)**

Describe any problems encountered in monitoring the vessel. If you believe there has been a violation (for instance on the access agreement), you will need to obtain as much evidence as you can. This will include taking photos, copies or originals of any relevant documentation. Use your judgement in deciding whether to let the Captain know of your observations. If you consider that the violation is deliberate and is a major infringement, it may be advisable to say nothing and report what you see when you get back to port. If you think the captain has made a genuine mistake, which caused the violation talk to him about it, if you think it will be ok, and note his response to your observation. You are the observer on board, and you can judge best the mood and personality of the captain and crew. Whatever occurs, write a full report and record as much information on the incident as you can here, include the people involved and the position, times and dates. Also, note where in your diary the info is listed.

*It is very important that you make a full clear report on all infringements, as indicated by the GEN-3 Form. Ensure there is a full report for any box ticked yes on the GEN-3 Form. Start all infringement reports by re-writing the infringement reference number from the GEN-3 Form. The date it occurred and your journal page number where the incident is reported.*

### **13.0 POLLUTION REPORTING**

Describe if the vessel is not complying with the MARPOL regulations (as outlined on your GEN-6 form). Were their daily breaches or just an occasional few? Do you think they are aware of the Marpol regulations (were there any stickers/posters onboard, did you talk to the captain, for instance)?

### **14.0 PROBLEMS ENCOUNTERED**

Explain any problems you encountered during the trip, with vessel Captain, crew, meals, obtaining information, data and how you think the problems can be resolved.

#### **14.1 Form filling problems**

If you had any problems filling in your forms, discuss it here. Have you left any data fields empty (positions, beacon numbers, vessel electronics etc). Give the reason your could not obtain any data here.

##### ***14.1.1 Form change recommendations***

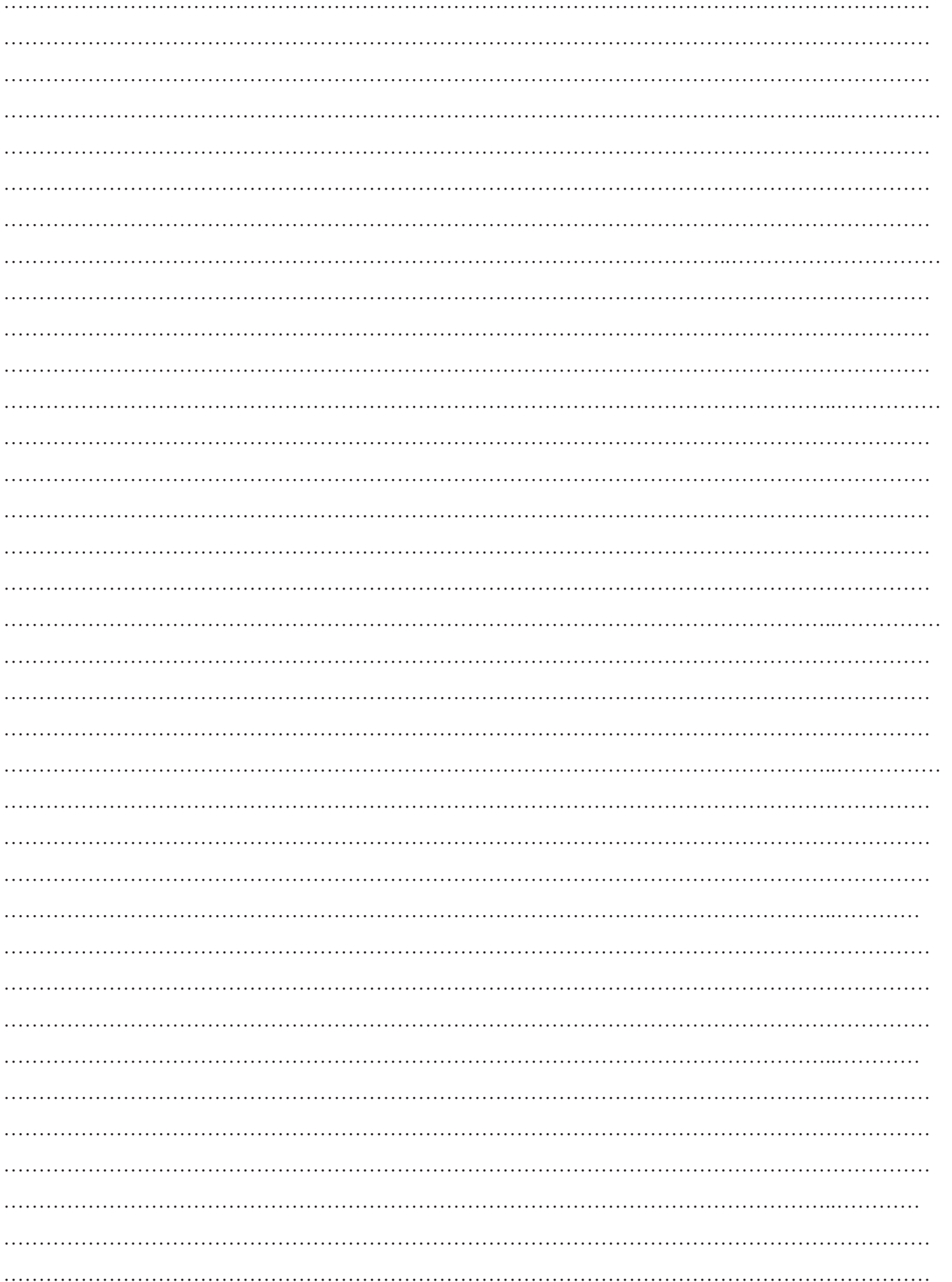
Is there anything on the forms that you would like changed. Do any of the fields read incorrectly for instance, or is there any part of the form instructions you do not understand. Make a note of the problem here so we can consider changing the form in the future.

### **15.0 CONCLUSIONS / RECOMMENDATIONS**

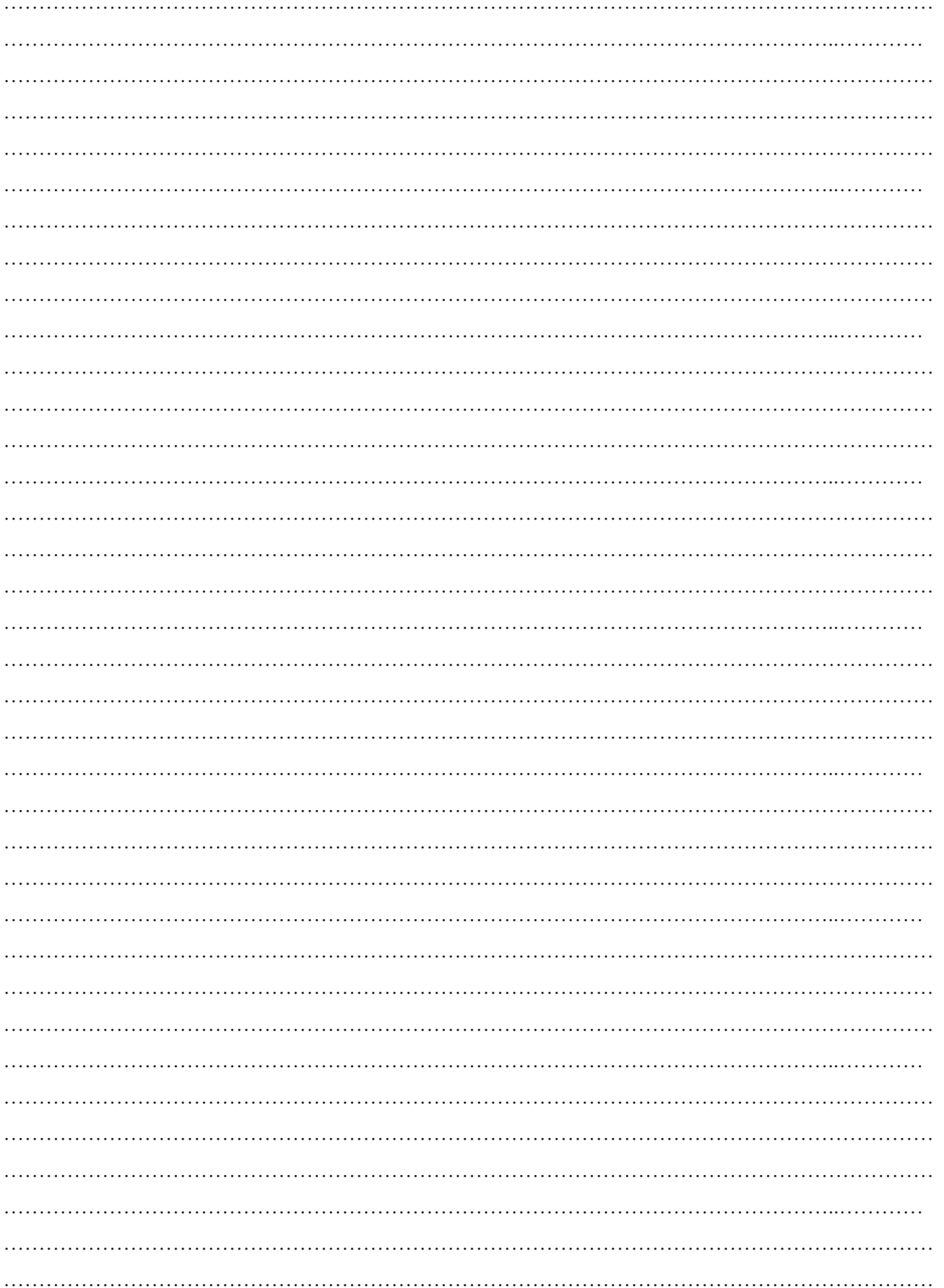
Describe your general impressions of the trip. Any items that need follow-up should be mentioned here.

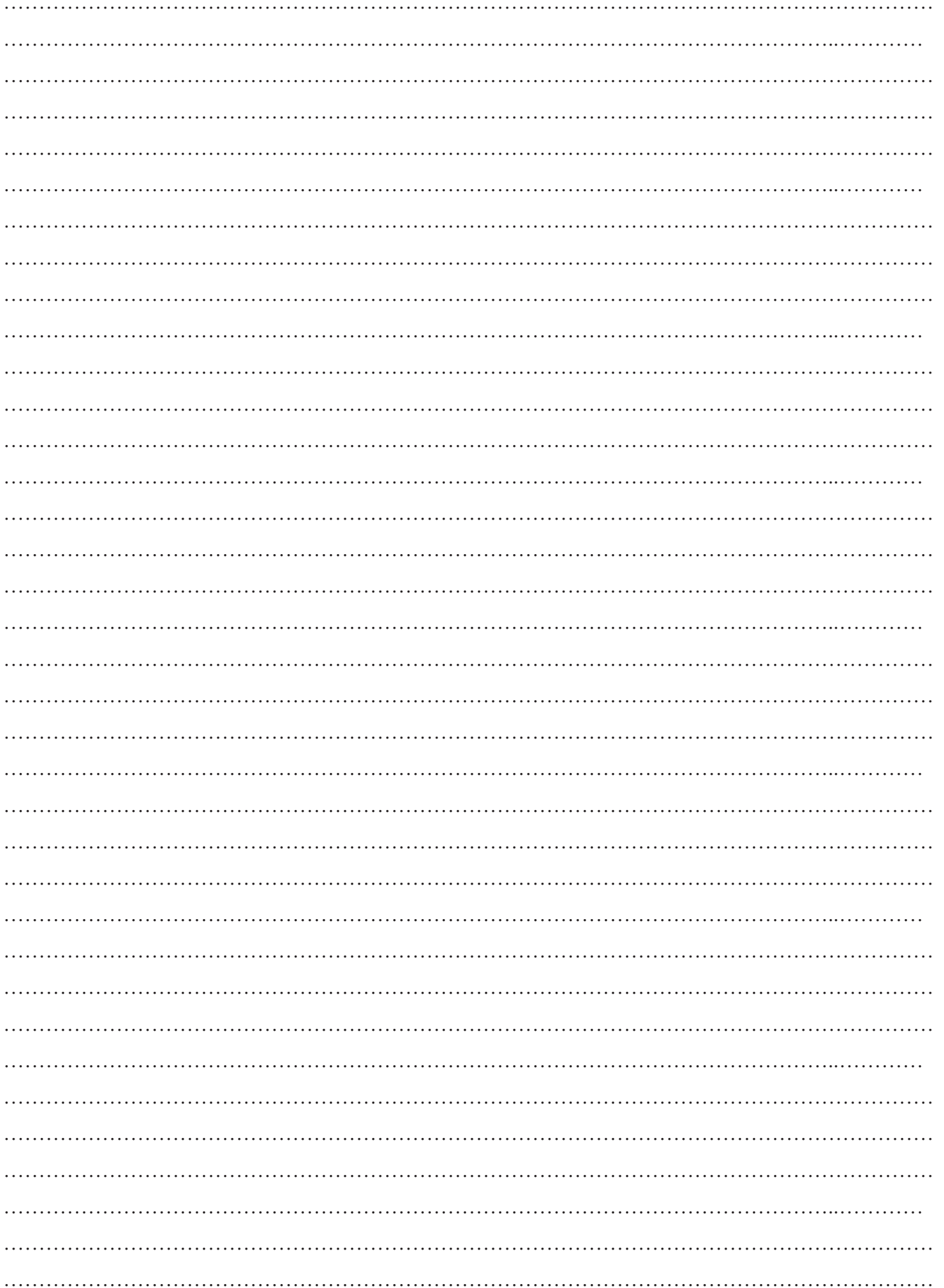
### **16.0 ACKNOWLEDGMENTS**

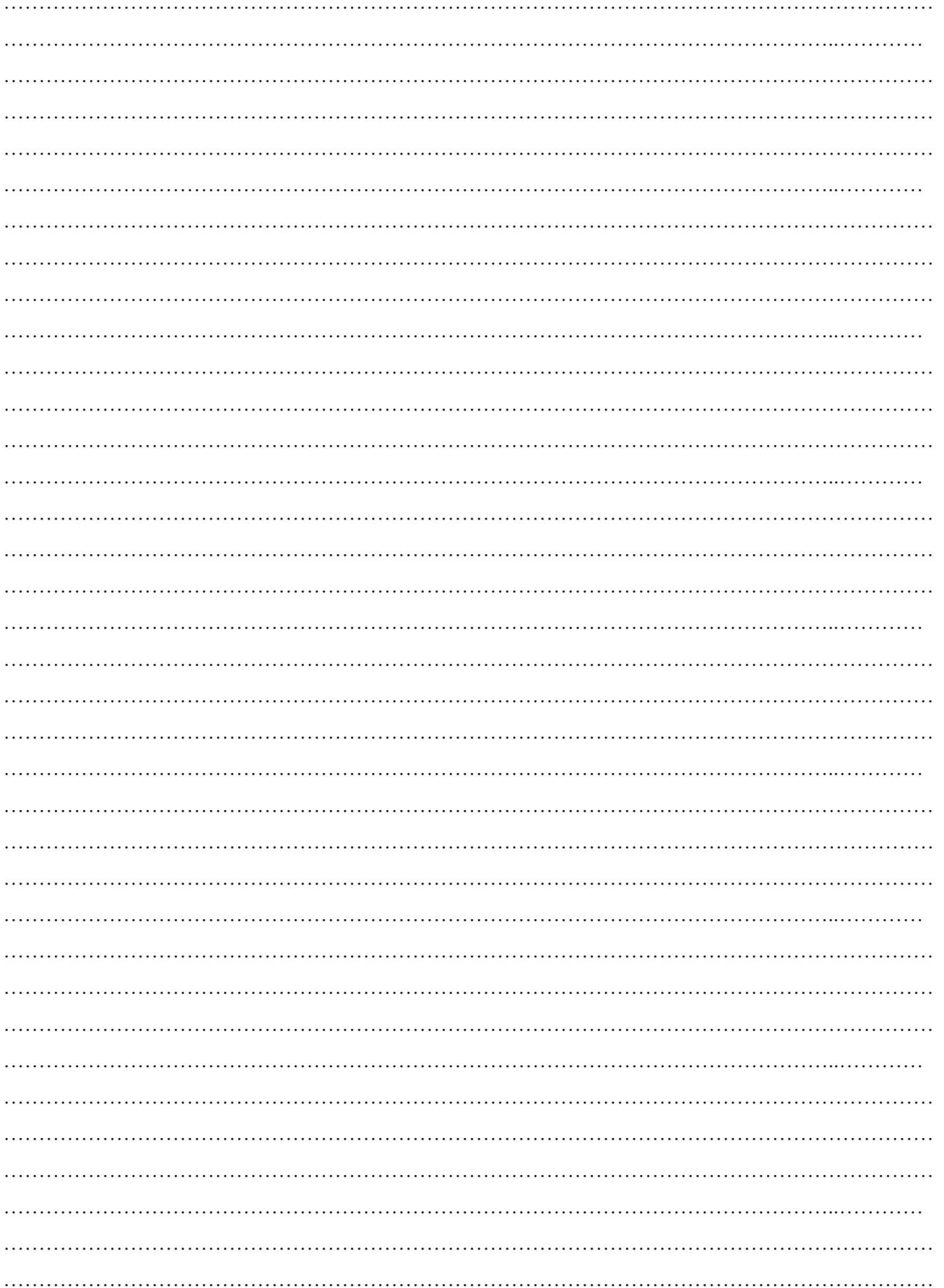
Provide any acknowledgments to people who helped organize the trip or supported during the trip; e.g. Solomon Taiyo, observer coordinator, radio operators, vessel captain and crew, etc.

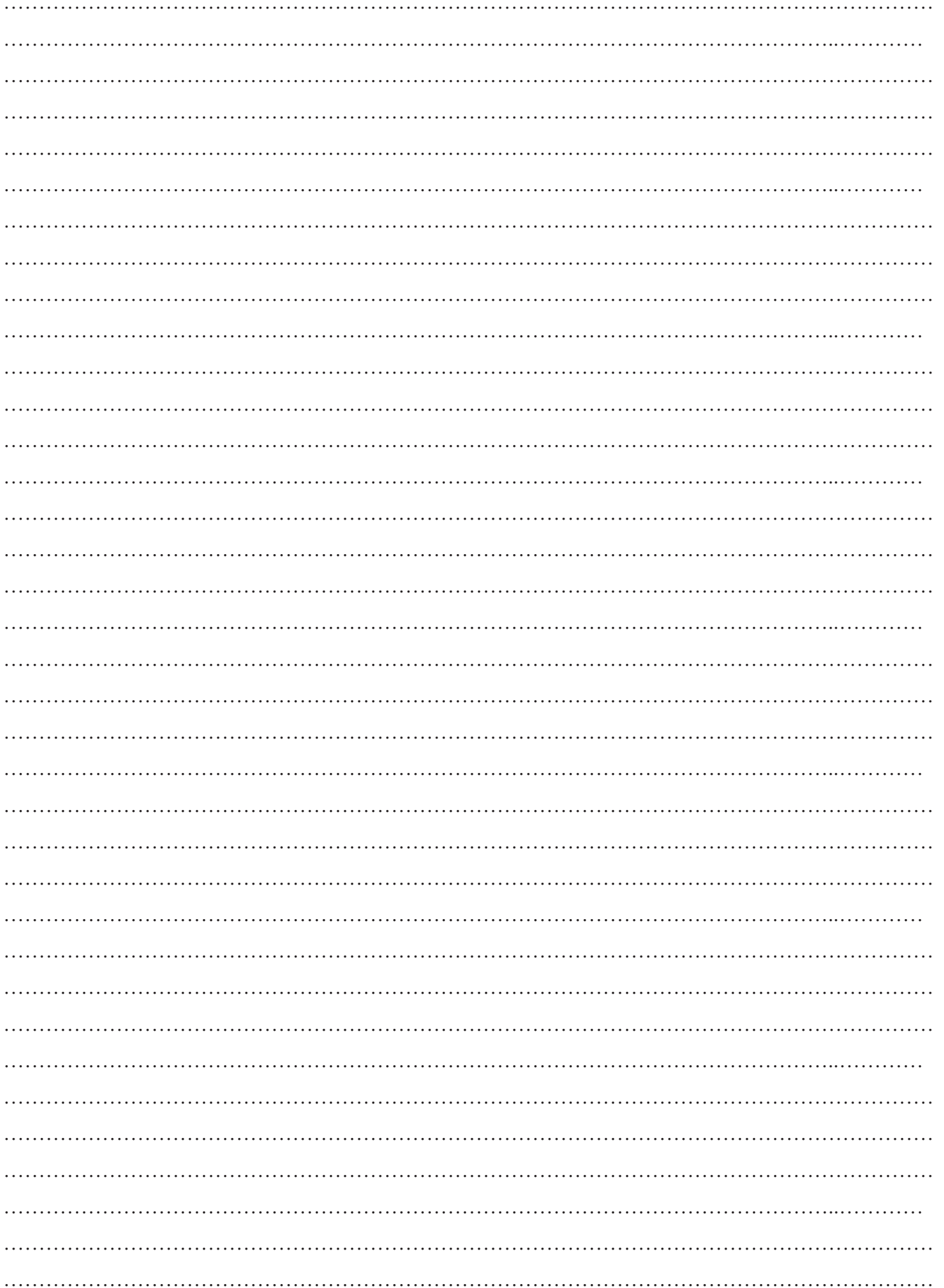


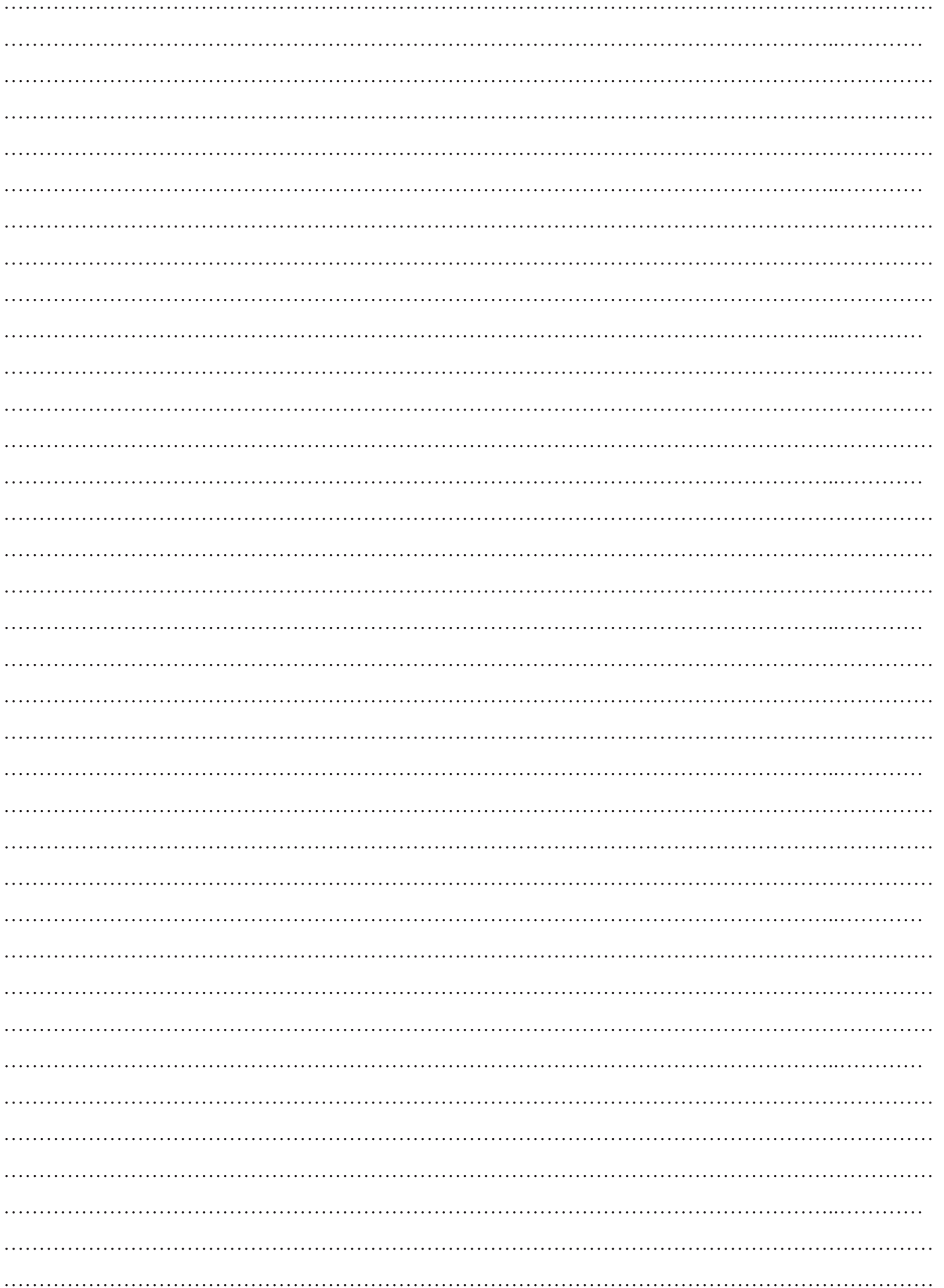


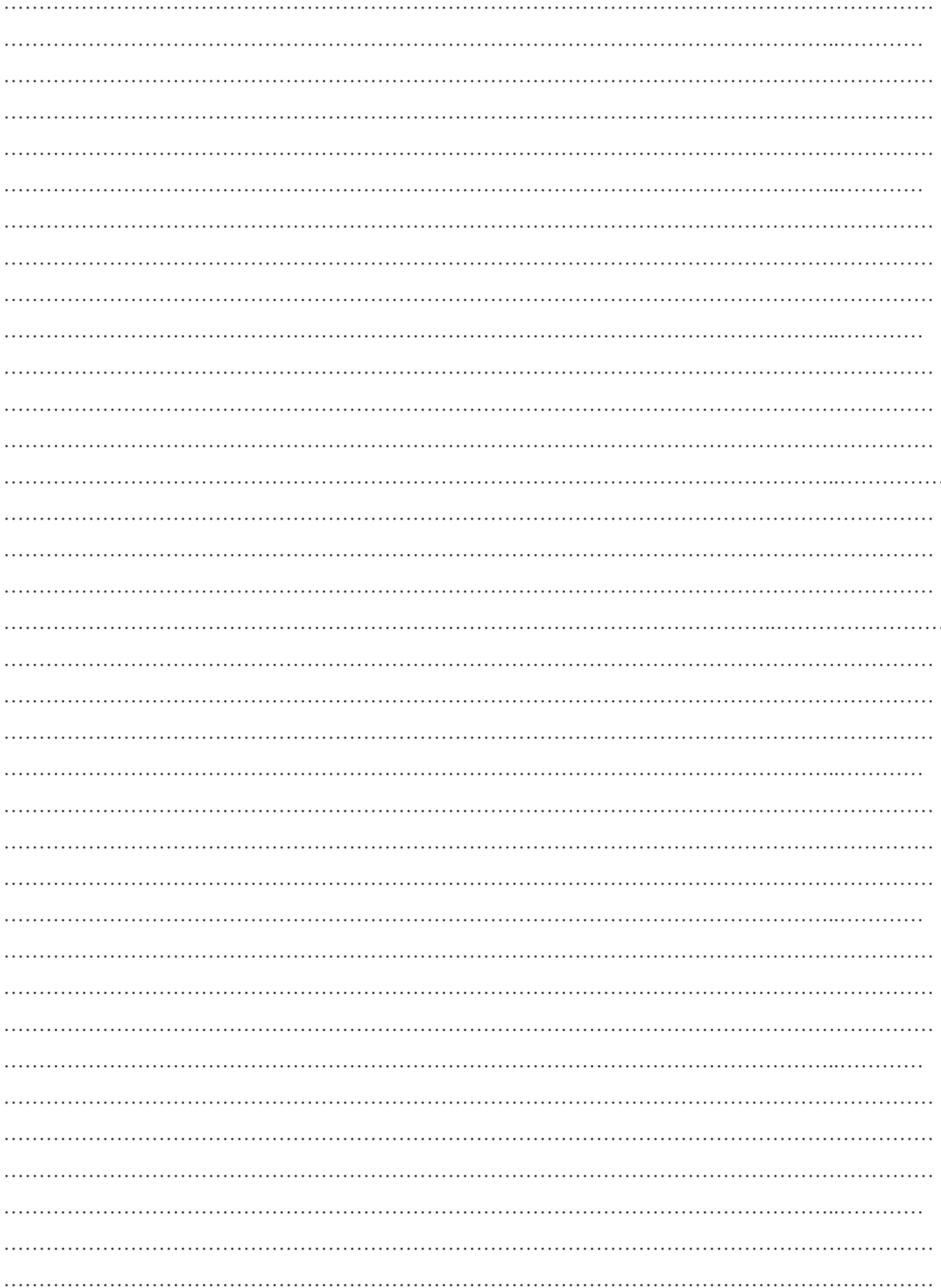


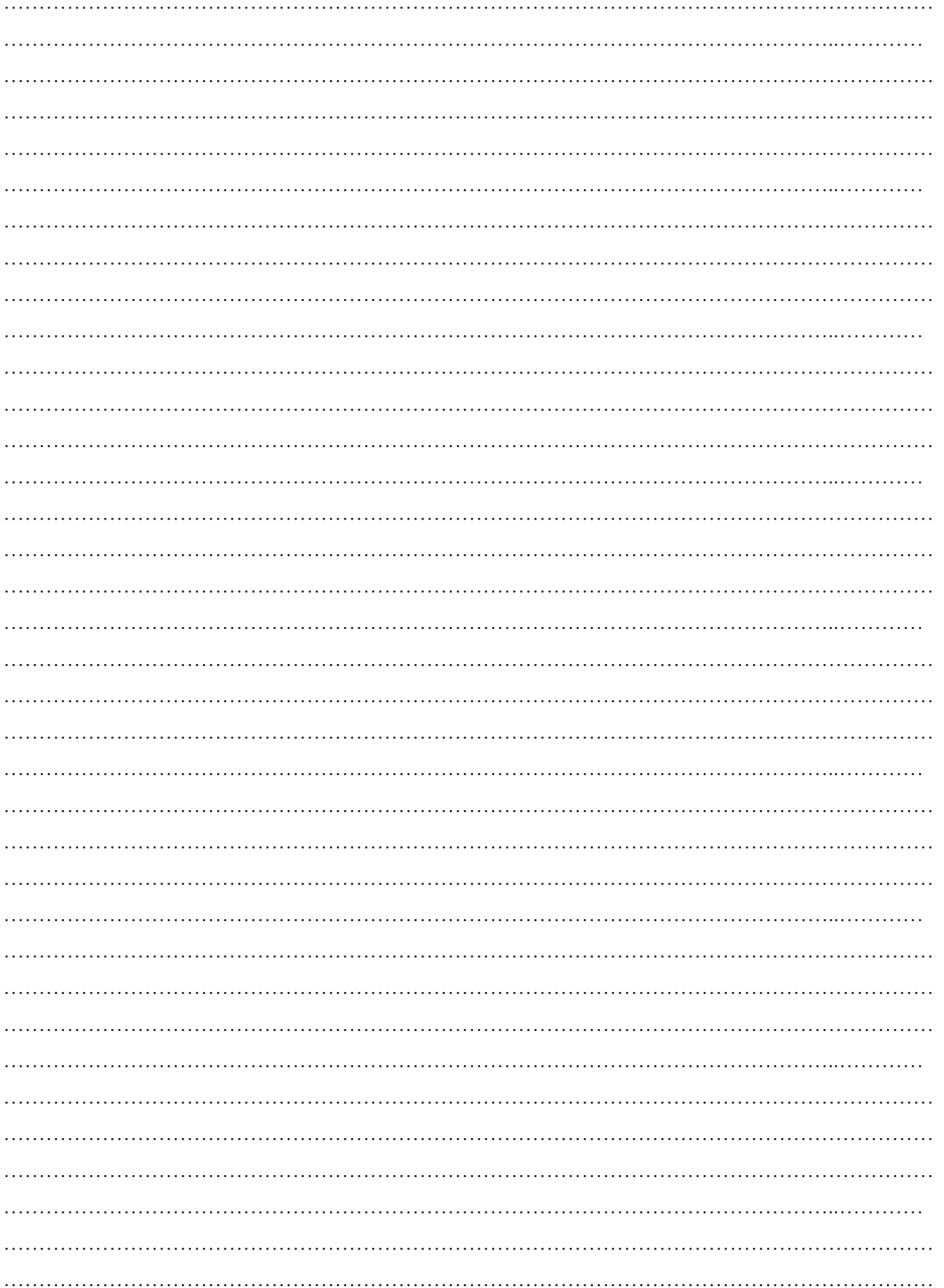


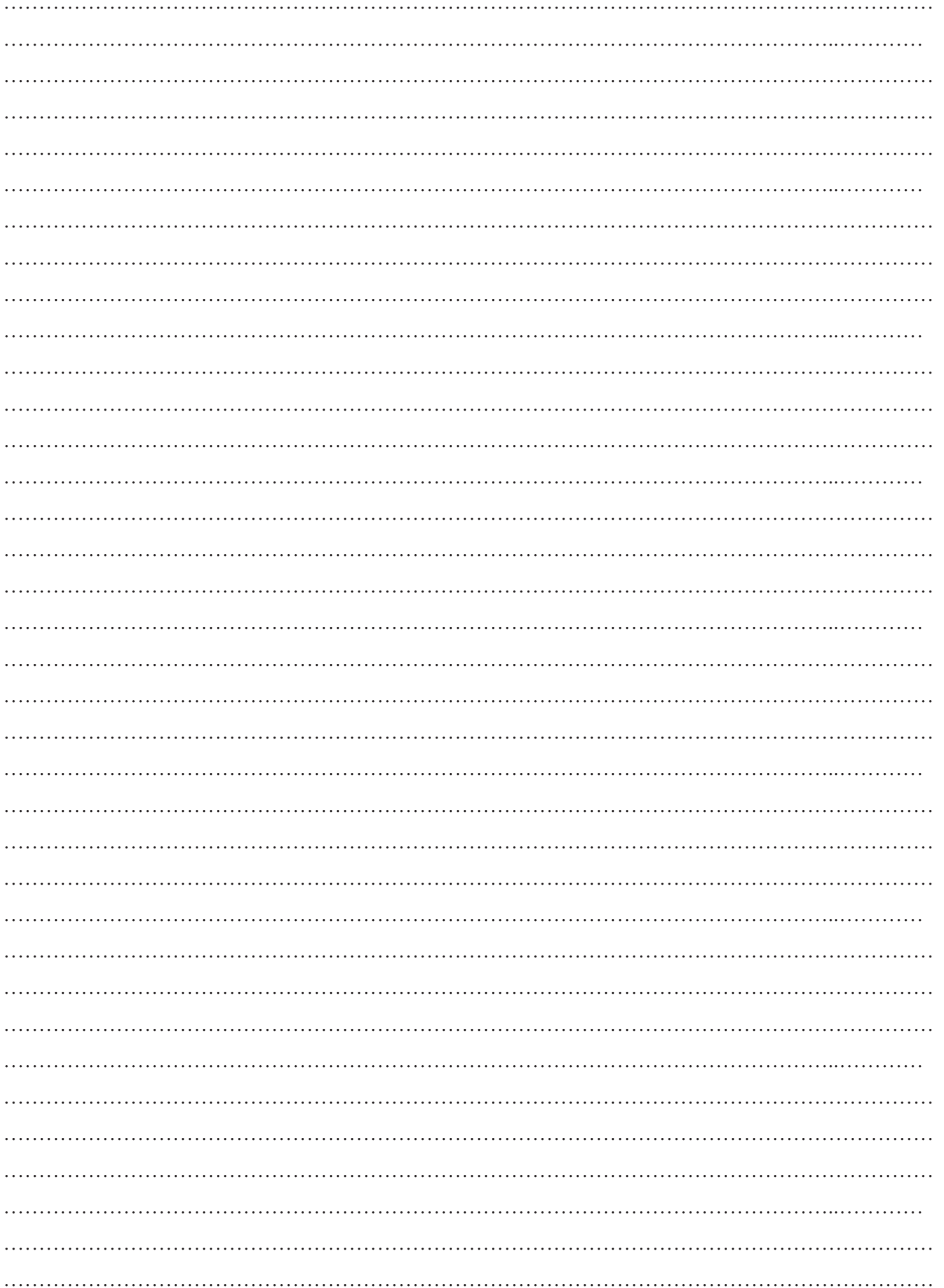




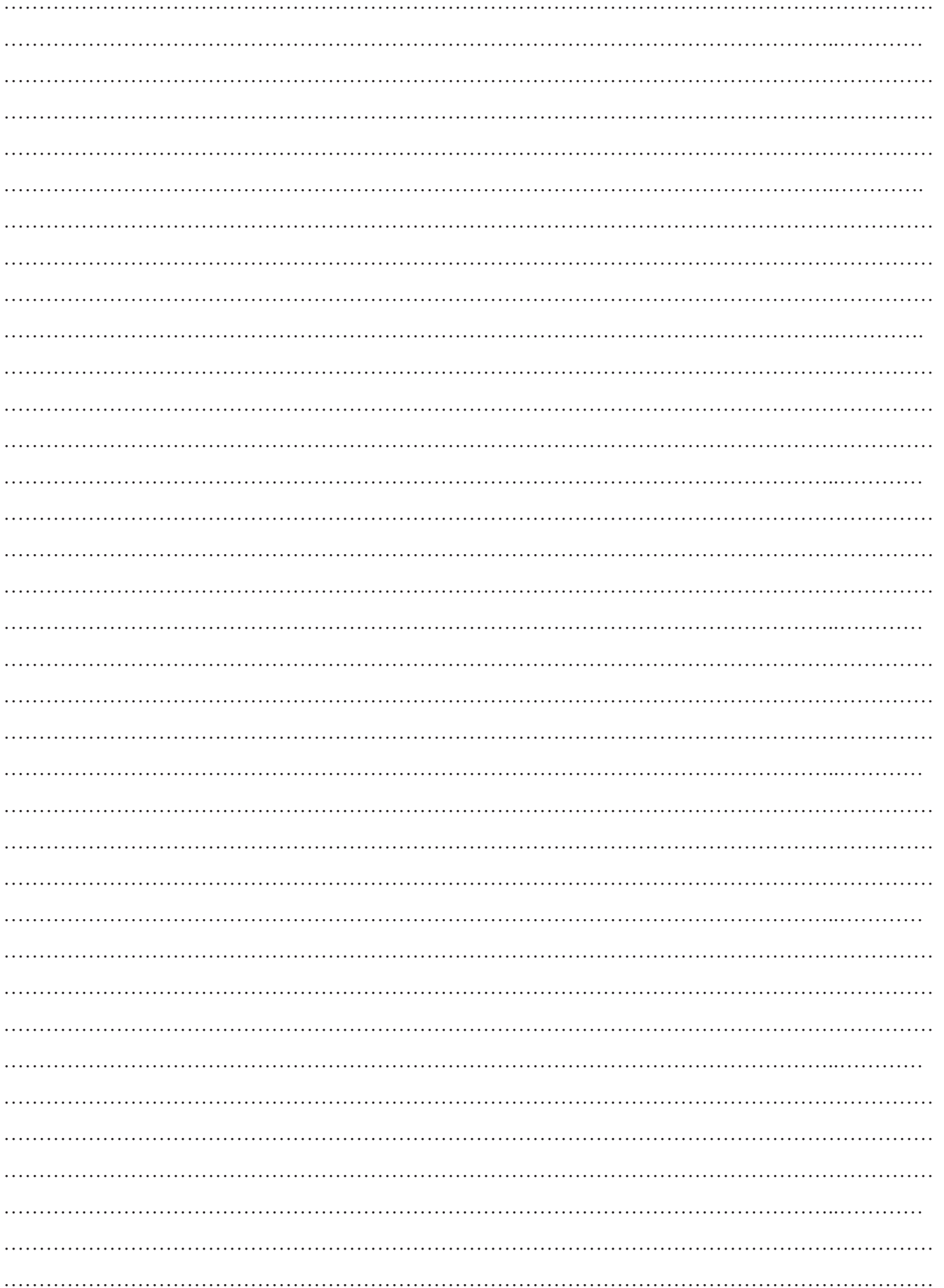


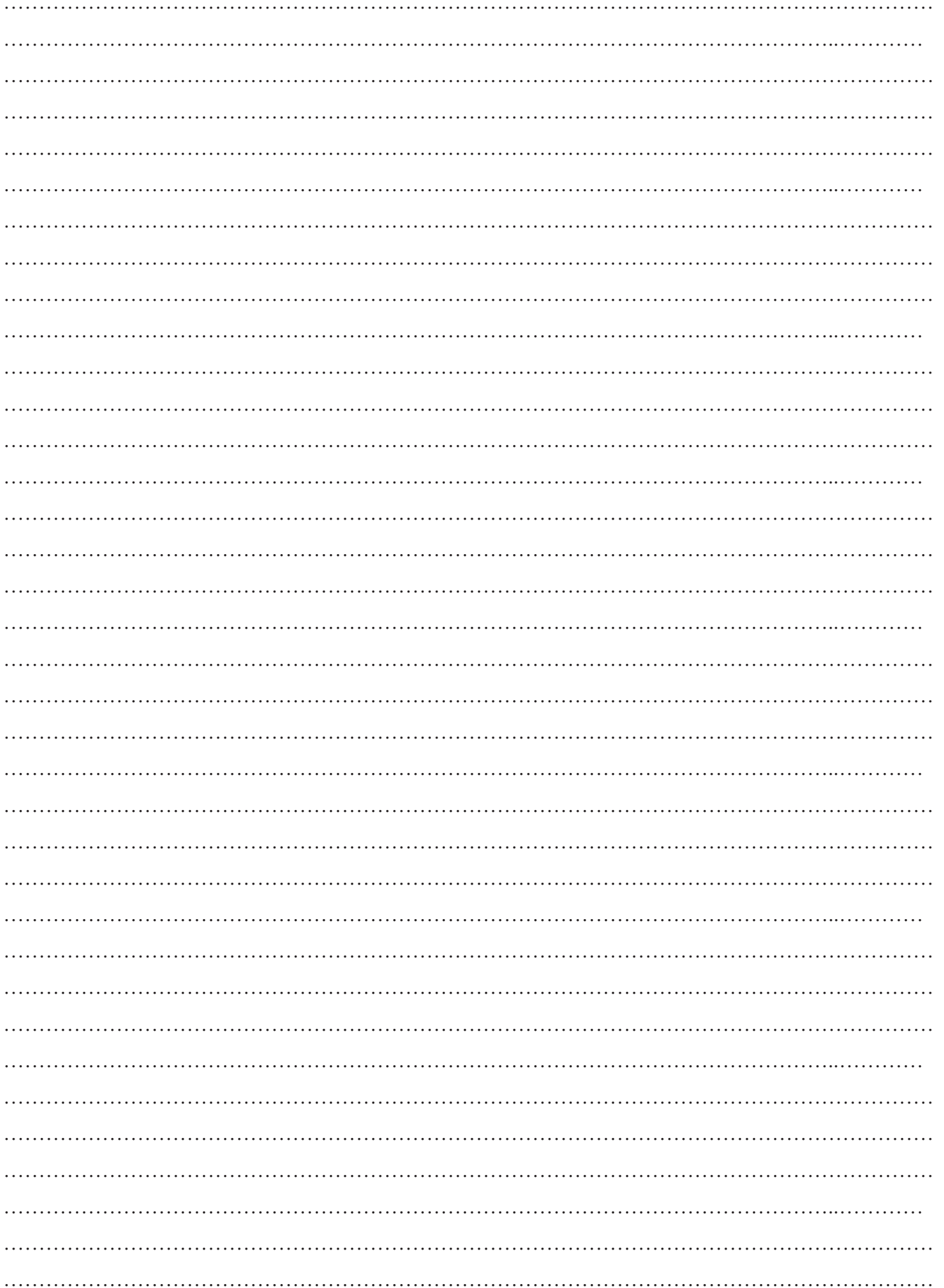


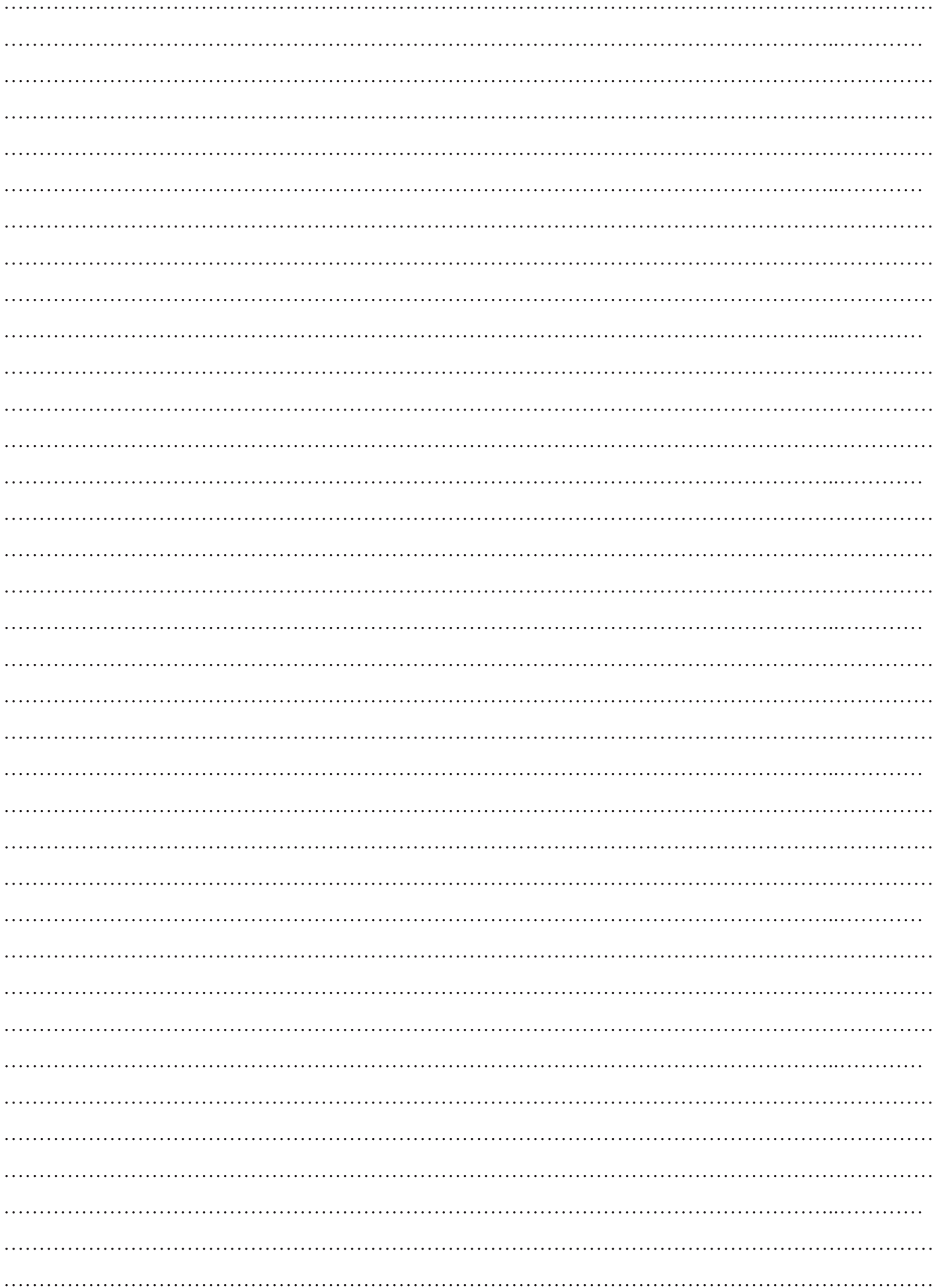


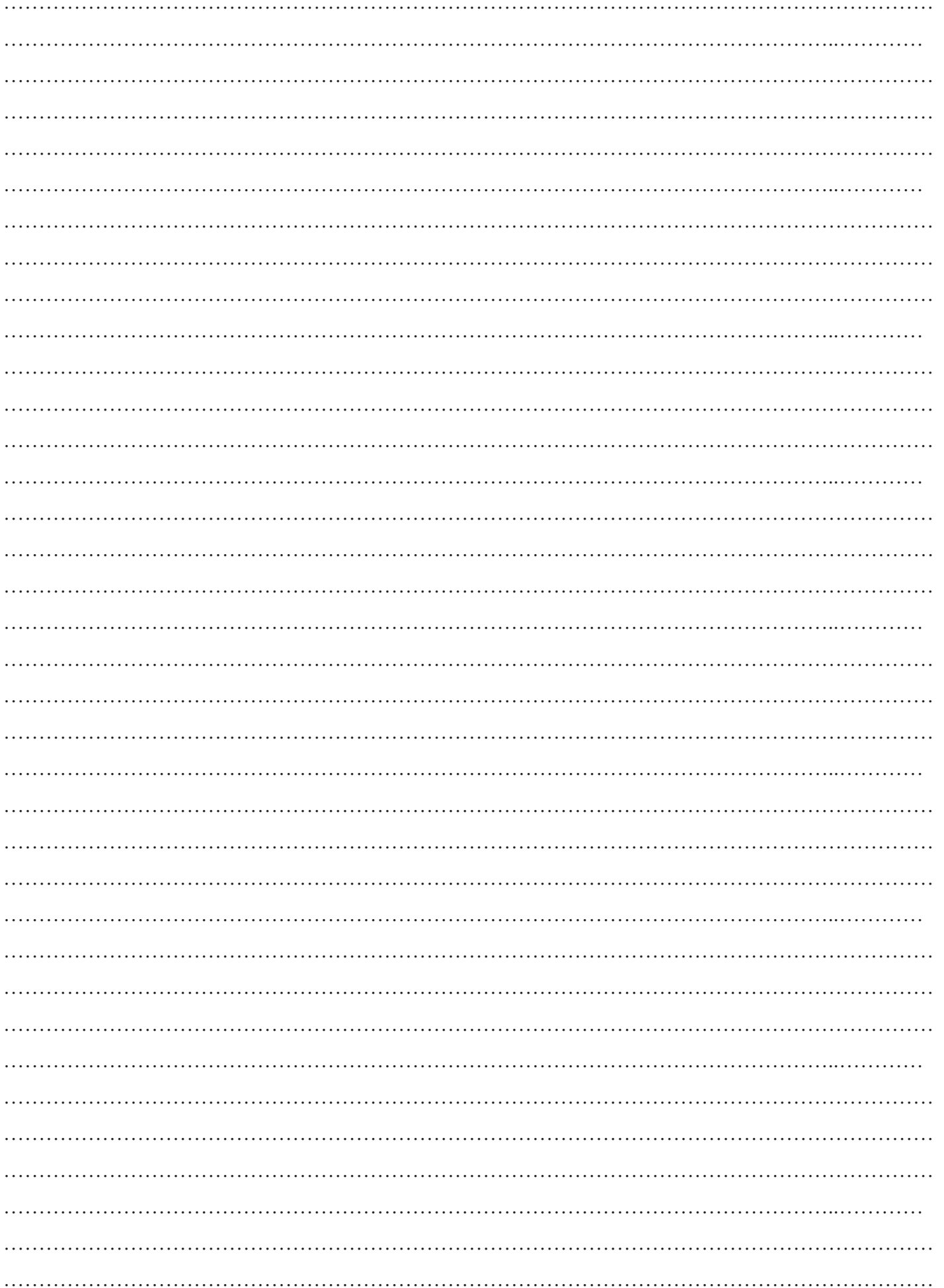


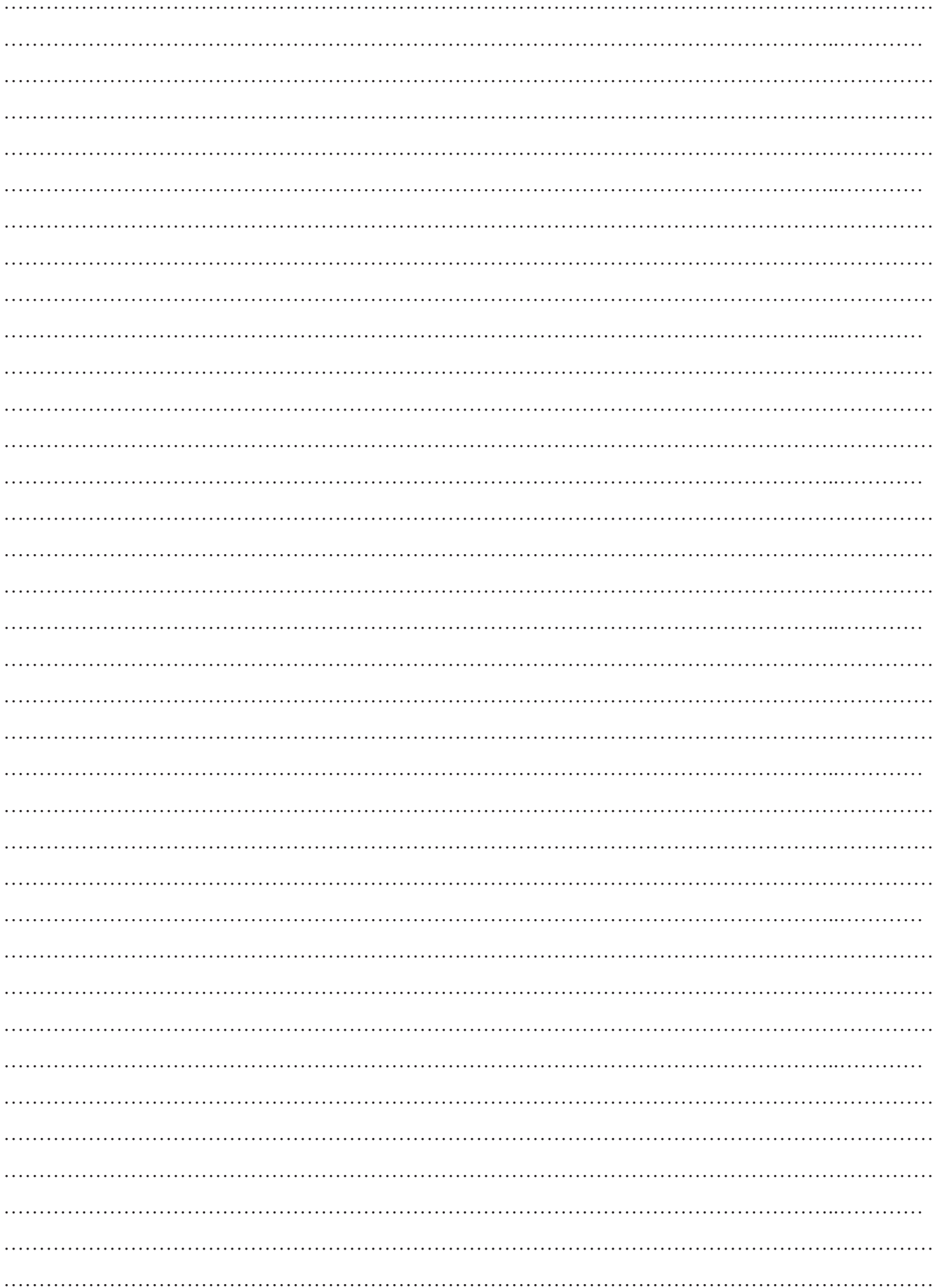


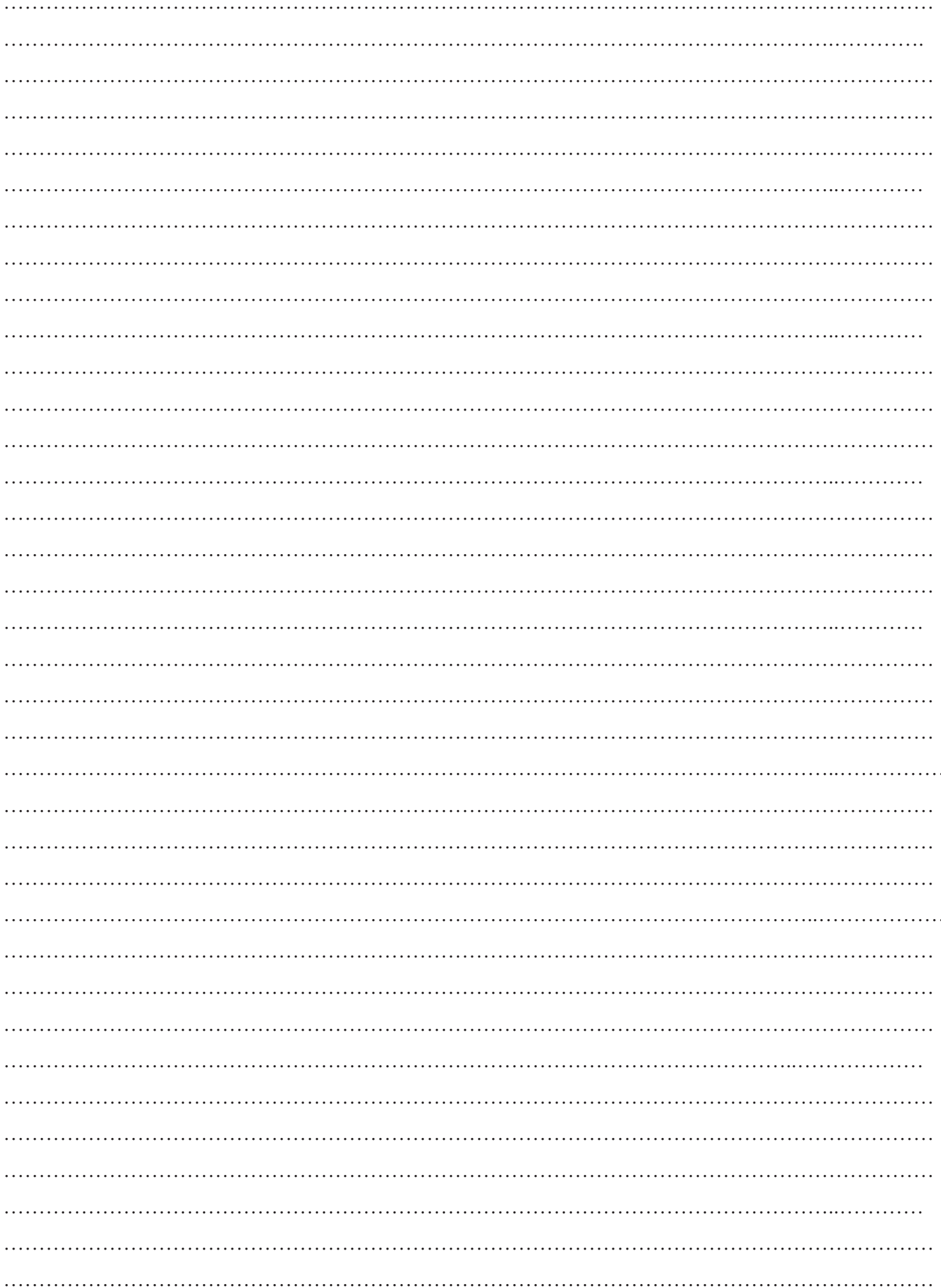














OBSERVERS' GUIDE TO BEAUFORT SCALE, WIND AND SEA STATE (a rough guide for the open sea)					
Beaufort number	Descriptive term	Open sea criterion	Mean wind speed (kts)	Likely wave height (m)	Observer's sea state code
0	Calm	Sea like a mirror	less than 1		C (calm)
1	Light air	Ripples with the appearance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