Virtual Meeting 6 of ROP-IWG
20 June 2025 10:00h – 14:00h (Pohnpei time)

Consolidated document presenting current suggested amendments to the MSDFs

WCPFC-ROP-IWG06-2025-02
4 June 2025

Paper submitted by ROP-IWG Chair and Secretariat

Purpose

1. This paper documents and presents for review the feedback that was received from ROP-IWG participants intersessionally during 2023/24. In 2025, additional feedback will be sought from ROP-IWG participants on priorities and suggested changes and additions to the ROP Minimum Standard Data Fields (MSDF).

Background on 2024 discussions related to ROP MSDF

2. During SC20, the Secretariat presented a paper (SC20-ST-WP-04) for review and discussion. The paper reported on the feedback and suggestions from ROP-IWG participants received in 2024 and provided a substantive attachment containing the recommended amendments to the ROP MSDFs. SC20 discussed the paper under SC20 Agenda item 3.3.2, but did not record a specific outcome or decision on this matter.

3. During TCC20, the Secretariat presented the SC20 paper for review and discussion. There were also discussions during TCC20, that led to taskings to the ROP-IWG related to the use of ROP data in the online Compliance Case File System (CCFS). These were the recommendations from TCC20:

TCC20	TCC20 expressed concern over the delay in including cases arising from ROP data in the CCFS and recommends to the Commission that the question of streamlining the inclusion of ROP data in the CCFS be a task for the ROP-IWG. *(ref: TCC20 Outcomes, paragraph 16)*
	TCC20 agreed in principle that many of the ROP Minimum Standard data fields were redundant, particularly those related to vessel details, and are better collected through existing processes, such as vessel registration or the RFV. *(ref: TCC20 Outcomes, paragraph 48)*
	TCC20 recommended that the Commission at WCPFC21 task the ROP-IWG to prioritize in 2025 the review of the ROP Minimum Standard data fields, the review of the pre-notification process adopted during WCPFC12, and to develop a standardized process for the use of ROP data in the CCFS. *(ref: TCC20 Outcomes, paragraph 50)*
	TCC20 recommended to the Commission that it appoint Mr Lucas Tarapik (Papua New Guinea) as ROP-IWG Chair. *(ref: TCC20 Outcomes, paragraph 77)*

	TCC20 recommended that the Commission at WCPFC21 schedules an in-person meeting of the ROP-IWG to be held adjacent with TCC21 in 2025. *(ref: TCC20 Outcomes, paragraph 51)*

4. At WCPFC21, the ROP-IWG Chair presented an update which considered the SC20 and TCC20 outcomes and proposed next steps for the ROP-IWG tasks in 2025. Note the WCPFC21 paper (WCPFC21-2024-16) included two attachments that each contains suggested changes to the MSDF:

   - Annex 1 - paper (SC20-ST-WP-04) including proposed changes to MSDF provided by the Secretariat and ROP-IWG participants prior to July 2024.
   - Annex 1A – a supplementary paper presenting some additional and supplementary draft suggested amendments to the MSDF, prepared by the ROP-IWG Chair and Secretariat between TCC20 and WCPFC21.

5. The Commission endorsed the approach set out in WCPFC21-2024-16 for progressing the ROP-IWG tasks in 2025 (WCPFC21 Summary Report, paragraph 581). The Commission tasked the ROP-IWG to consider adding non-fish transfers to the minimum data fields for monitoring transhipments (WCPFC21 Summary Report, paragraph 513).

Consolidated working table to support review of ROP Minimum Standard Data Fields

6. To support the consideration of ROP-IWG participants in 2025, the Table in **Annex A** provides a consolidated version of Annex 1 and Annex 1A to the WCPFC21 paper 16. It provides on the left side the data fields and notes from the MSDF as they were previously approved by the Commission (refer to the WCPFC website). For completeness, fields not suggested for removal have been retained in the table for ease of understanding and can be discussed if required.

7. **Annex A (starting on page 4)** includes the additional or alternative suggestions of ROP-IWG participants in 2024 for consideration. There are also some notes and placeholders to recognize that further work is required to identify the nature of the changes required to achieve the objectives of the Commission tasks to the ROP-IWG – these will be the subject of future work.

8. At ROP-IWG05, CCMs discussed the potential retention of helpful vessel identifiers such as the WIN/IRCS or IMO and whether other fields proposed for removal were of scientific value e.g. maximum depth and length of net. The feasibility and accuracy of other data such as calculating cruising speed and some tori line specifications, and the necessity of other data relating to specific vessel details such as freezer types. CCMs considered the relevance and importance of various data fields relating to vessel electronics and noted the inclusion of total weight of bait species which is collected by some but not all observer programmes.

9. Two CCMs made submissions to the Chair after the discussions at ROP-IWG05 which have been included in the relevant tables for reference.

10. There are two supplementary papers stemming from this paper that aim to simplify review and potential recommendations for change to key areas of the MSDF:

    a. a table listing the obligations in CMMs where observers could collect data to support monitoring implementation related to protecting SSIs, data buoys and the marine environment and describing, where relevant, the distinction between scientific monitoring

needs and potential compliance issues as a basis for developing additions to MSDF that support resolution of the current CWS cases issues (WCPFC-ROP-IWG06-2025-02_suppl01); and

b. a paper on list of data fields recommended for removal (WCPFC-ROP-IWG06-2025-02_suppl02).

Next steps

11. The ROP-IWG Chair requests further feedback on this paper and this will be used to further consider proposals for changes to MSDF during 2025.

12. It is noted that there may be flow-on effects that mean consequential changes to CMMs or other requirements such as the Electronic Reporting Standards for Observers may be needed.

Consolidated working table to support review of ROP Minimum Standard Data Fields – and reflecting additional suggestions and comments from ROP-IWG participants received in 2024

Introduction

The following presents the current version of the ROP Minimum Standard Data Fields for purse seine, longline and pole and line observer trips. This table should be read with the two sets of Electronic Reporting Standards for observer reporting, and the current taskings for the IWG.

Supporting notes:

a. The left most columns on each page reflect the current version of the WCPFC ROP Minimum Standard Data Fields (adopted in 2016). Any changes suggested are shown as underlined text.

b. The *right most columns with italics text* contain notes about suggested changes from the Secretariat and/or ROP-IWG participants. The column ** "How Collected by Observer" indicates the method usually used to collect this information, but other methods of collection may be used.

Colour codes used to highlight suggested changes

No change suggested	Field that could be collected by other means.	New Data Field to be added	Data Field suggested to be Removed	Data Field with suggested updates

INTRODUCTORY TEXT FOR 2016 VERSION OF WCPFC ROP Minimum Standard Data Fields for Purse Seine and Longline Observed Trips	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*
WCPFC ROP Minimum Standard Data Fields The format of how the WCPFC ROP Minimum Standard Data Fields will be presented for collection by observers is up to the individual observer programmes to develop; however if providers need a format to use as a guide that includes all the fields and suggested instructions for this set of minimum data standard fields. The FFA/SPC have developed forms and formats that are used by many programmes already, these are available on the SPC Website under the Oceanic Fisheries Programme (OFP) and could be adapted to suit your programme. Unless otherwise instructed when entering any field on any observer form, please make sure all fields are clearly printed in English, do not abbreviate unless told to do so; • use the best codes where indicated; • make sure every forms is labelled with at least your name and trip number; • if there is no information available for a field or its not applicable, please place a dash in this field, leaving it blank does not tell the data entry persons if you just forgot to fill the field in, or if there is no available information; • make sure that all Yes/No are circled; • all units of measure or power should be clearly indicated (circled).	
• In December 2018, the Commission approved the WCPFC E-reporting Standard Data Fields for Operational Observer Data, which contains Purse Seine Observer E-Reported Standards, and Longline Observer-E-reported Standards. The E-reporting are intended to guide CCMs when providing operational OBSERVER data fields collected in the WCPFC tropical purse seine and the longline fisheries through E-Reporting. The E-reporting standard tables provide the minimum requirements for data entities, data formats and data validation to be established for data submitted to the national and regional fisheries authorities from E-Reporting systems. The data fields contained therein are based on information collected under the current regional standard data collection forms and take into consideration the WCPFC ROP Minimum Standard Data Fields.	*Suggested addition to the introductory text, to support electronic reporting of observer data and as a quick reference to the E-reporting standards.*

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
GENERAL VESSEL AND TRIP INFORMATION FOR ALL VESSEL TYPES					
VESSEL IDENTIFICATION					
Name of Vessel	Name must be clearly written, make sure any numbers connected with the name are included. i.e. "Moonlight No 6"		*No change suggested*		1
Flag State Registration Number	This number will be sourced from the vessel papers. You can normally get this information during the briefing.	*Observer asks to check vessel documentation.*	*Field that could be collected by other means and so suggest removal.*	*This information is available and collected in the RFV could be removed.* *{see **PNAO** comment below}* ***Japan** supports removing this field since the information is available from the RFV.* ***USA**- Generally support the suggested removal of this field*	2
International Radio Call Sign	The vessel call sign is usually issued to the vessel by the flag State in accordance with IMO regulations and procedures. This can become the WCPFC identification number of the vessel		*Field that could be collected by other means.*	*This information is available and collected in the RFV.* *{see PNAO comment below}*	3
Vessel Owner/Company	Name and contact if possible, of the owner of the vessel, if owned by a company, then use the company name.	*Observer asks to check vessel documentation*	*Field that could be collected by other means and so suggest removal.*	*This information is available and collected in the RFV could be removed.* *{see **PNAO** comment below}* ***Japan** supports removing this field since the information is available from the RFV.* ***USA**- Generally support the suggested removal of this field*	4

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Hull markings consistent with CMM 2004-03	The hull markings should be consistent with CMM 2004-03; these are virtually the same as the FAO standards on vessel markings except that a few letters disallowed in the FAO standards are permitted in CMM 2004-03 standards.		*Field that could be collected by other means.*	*Could be checked and prefilled during the placement of an observer on the vessel.*	5
WCPFC Identification number" WIN markings consistent with CMM 2004-03	If the vessel does not have an IRCS number, the flag State must create and issue a "WCPFC Identification number" or WIN number and use this as the vessel identifier. In the majority of cases, the IRCS number and WIN would be the same number.	*Observer checks markings on vessel. The (IRCS) Call Sign (Which is usually the same as the WIN number) of the vessel markings should be consistent with the measurements required by CMM 2004-03*	*Field that could be collected by other means.*	*This information is available and collected in the RFV. If required could be checked and prefilled during the placement of an observer on the vessel.* *{see PNAO comment below}*	6
WIN format for markings consistent with CMM 2004-03	WIN if used separate from IRCS shall consist of letters and numbers to be painted on the hull or super structure.	*Observer checks markings on vessel*	*Field that could be collected by other means.*	*This information is available and collected in the RFV. If required could be checked and prefilled during the placement of an observer on the vessel.* ***USA support** retaining if Field 9 is deleted.*	7
International Maritime Organization IMO' or Lloyd's Register number 'LR"	Effective 1 April 2020, flag CCMs shall ensure that all their motorized inboard fishing vessels of less than 100 GRT (or 100 GRT) down to a size of 12 meters in length overall (LOA),	*Observer asks to check vessel documentation*	*1. Updated agreed notes to reflect latest requirement for IMO/LR number as per CMM 2018-06.*	*This information is available and collected in the RFV. If required could be checked and prefilled during the placement of an observer on the vessel.* *{see PNAO comment below}* .	8

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
	authorized to be used for fishing in the Convention Area beyond the flag CCM's area of national jurisdiction have an IMO or LR issued.		*2. Field that could be collected by other means.*	*(**Japan supports** removing of this field if item #9 is added.)* ***USA Supports** retention of IMO number as a vessel identifier.*	
2024 PNA Office comment** on above fields which are noted to be collected by other means…* • *We generally support the proposals to remove fields that are redundant because the information can be sourced elsewhere, including on the WCPFC RFV. At the same time, we think it essential that there should be sufficiently robust fields retained in the MSDF so that an observer record can be reliably linked to a vessel. In that respect, we don't consider a Vessel Name alone is sufficient for that purpose because Vessel Names are often spelled in different ways. For that reason, we support retaining either the WIN or the IMO number, or both.* • *We don't support the rationale that removing fields from observer forms gives more space to add new required fields because the Commission should be planning for electronic reporting of observer data. We think it is sufficient to note that redundant fields should be removed from the MDSF because the information can be sourced elsewhere.* *We don't see the collection of data by a placement officer on a placement format as an alternative to inclusion of data fields in the MDSF because placement data is not provided as Commission data to our knowledge* ***2025 USA- • *generally, support the suggested removals of Flag State Registration Number (2), Vessel Owner/Company (4).* • *generally, agree that there should be an additional data field collected besides the vessel name to assist in identification of a particular vessel. Although the VID (9) is a unique number, we do not believe that this number is known to vessels or observers outside of its use on the record of fishing vessels (RFV), and therefore we do not believe that this number should be required. Instead, we suggest use of a field that is more commonly used or known by the vessel and/or observer such as the IMO number (8) or if no IMO number then WIN (6).*					

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
WCPFC RFV Vessel Identifier (VID)	This number is generated automatically by the WCPFC RFV upon the inclusion of a vessel into the RFV.		*Data field in this section recommended to be added, with suggested agreed notes*	*This is currently encouraged, as mandatory field WCPFC field for E-reported data. Using a vessel identifier field ("VID") supports electronic reporting of observer data and may provide the opportunity to remove the redundancy of including all vessel attributes with each trip record and ensures standardisation and consistency through referencing the RFV database.* *During ROP-IWG05 **USA** noted that this is a data field that would not necessarily be well known by vessels and observers, and so perhaps not necessary to be independently recorded by observers. They suggested that the IMO number and or IRCS should be retained for this purpose*	9
VESSEL TRIP INFORMATION					
Date and time of departure	The day and time the vessel leaves port to start its fishing campaign. I.e. lifts its anchor or lets the ropes free from the wharf.	*Observer Collects information when on board*	*No change suggested*		10
Port of departure	Name of the port of departure - as a help also include the country	*Observer Collects information when on board*	*No change suggested*		11

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Date and time of return to port	The day and time the vessel returns to a port (usually taken when vessel either drops the anchor or ties up to a wharf or another vessel in port; at the completion of its trip.	*Observer Collects information when on board*	*No change suggested*		12
Port of return	Name of the port where the vessel returns- as a help also include the country.	*Observer Collects information when on board*	*No change suggested*		13
OBSERVER INFORMATION ***2025-USA-*** *On the addition of embarkation at sea and disembarkation at sea (Numbers 17 and 18), could this be optional or only apply if different than the location of embarkation and disembarkation from port (Numbers 19 and 20)? This only seems to apply to certain situations.*					
Observer name	Your name clearly printed using the format - First name First -Last name Last (Do not use initials) an observer with the first name John last name Smith would write John Smith (Not JS – J Smith or Smith John)	*Observer information*	*No change suggested*		14
Nationality of Observer	Country where the observer's passport is issued	*Observer information*	*No change suggested*		15
Observer provider - country and or organization	Organisation that employs the observer and has organised the provision of the observer to the vessel. In the case of the Philippine, it most likely would be :BFAR National Observer Programme: Philippines	*Observer information*	*No change suggested*		16

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Date, time and location of embarkation	The day and time the observer leaves the port, to start their observer trip. (Note in most cases this will be the same as the vessel start dates and times)	*Observer Collects information when on board*	*No change suggested*		17
Embarkation at Sea	EMBARK_LAT is the actual depart LAT position for the observer trip (if embarking AT SEA) EMBARK_LON is the actual depart LON position for the observer trip (if embarking AT SEA)	*Observer Collects information when on board*	*Data field in this section recommended to be added, with suggested agreed notes*	***Added for explanation**- For at-sea boardings, the **Embarkation Latitude** and **Longitude** indicate the position where the observer transfers to the vessel to begin their trip.* ***Japan** - Further consideration requires clarification of the purpose of collecting this data.* ***USA**-See Above" Observer Information"*	19
Date, time and location of disembarkation	The day and time the observer returns to a port at the completion of their trip. (Note in most cases this will be the same as the vessel return dates and times)	*Observer Collects information when on board*	*No change suggested*	***Japan** - Further consideration requires clarification of the purpose of collecting this data.* *USA-See Above" Observer Information"*	18
Disembarkation at Sea	DISEMBARK_LAT is the actual depart LAT position for the observer trip (if disembarking AT SEA) DISEMBARK LON is the actual depart LON position for the observer trip (if disembarking AT SEA)	*Observer Collects information when on board*	*Data field in this section recommended to be added, with suggested agreed notes*	***Added for explanation**- For at-sea disembarkation, the **Disembarkation Latitude** and **Longitude** record the location where the observer leaves the vessel to conclude their trip aboard the vessel they have just departed.* **Japan**- Further consideration requires clarification of the purpose of collecting this data. ***USA**-See Above" Observer Information"*	20

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
CREW INFORMATION					
Name of Captain	The captains name clearly printed in the format - First name First Last names Last (Do not use initials) - This may be difficult to determine particularly with some Asian vessels, therefore write thname the way the captain is named on paperwork or from identification he/she shows you.	*Observer can get this from crew list as well as being introduced normally in a briefing before the trip*	*No change suggested*		21
Nationality of Captain	Passport nationality of the captain, Note - in your written notes if you wish you can record the captain's birth country, if this is available, i.e. Capt. is Korean born and speaks in Korean but holds a NZ Passport.	*Crew list*	*No change suggested*		22
Identification document - Captain	Document that confirms nationality i.e. passport "field not on form"	*Crew list sometimes indicates, or observer has to ask to see documentation of citizenship.*	*Field suggested for removal.* *Observers should not need to record what document was used to prove nationality*	***USA*- support** the suggested removals of the identification documents for the captain.	23

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
CREW INFORMATION					
Name of Fishing Master	The fishing master name clearly printed in the format - First name First - Last names Last (Do not use initials) This may be difficult to determine particularly with some Asian vessels so write the name the way the fishing master is named on paperwork or from identification he/she shows you	*Crew List or by introduction*	*No change suggested*		24
Nationality of fishing master	Passport nationality of the fishing master, if the vessel has one that is separate from the captain. Note - in your written notes if you wish you can record the fishing master birth country, if this is available, i.e. Fishing master is Japanese born but holds an Australian Passport.	*Crew list*	*No change suggested*		25
Identification document - Master	Document that confirms nationality i.e. passport "field not on form"	*Crew list sometimes indicates, or observer has to ask to see documentation of citizenship.*	*Field suggested for removal.* *Observers should not need to record what document was used to prove nationality*	***USA*- support** the suggested removals of the identification documents for the fishing master.	26
Other crew	Total the number of the other crew on board and if possible, indicate the numbers of each nationality i.e. 8 Philippines 6 Samoans 4 Taiwanese, etc.	*Crew list*	*No change suggested*		27

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
CREW INFORMATION					
Total number of crew	Add the total number of persons on the vessel including all the officers captain etc, (Do not count yourself in this number, even you are on the crew list for insurance purposes.)	*Crew list*	*No change suggested*		28
2024 PNAO comment: *(as above for vessel identifiers)* ***2025 USA comment:*** • *support the suggested changes to crew attributes, vessel attributes, and vessel electronics that would remove fields from the current WCPFC at sea form streamlining it and requiring the form to be updated accordingly,* • *support having further discussion on the specific fields being considered for placement officers' collection. In some cases, this will require an update to the SPC/FFA Regional Purse-Seine Fisheries Observer Workbook version "REV.2018" - Observer Placement Meeting Record that is used to place WCPFC observers on purse seine vessels, and* • *seek guidance and further discussion on how the following Alternative would result in streamlining "removing the field from observer forms which give more space to add new required fields."* ***Future work task –****in respect of crew information take into consideration changes that might be needed to support the implementation of the recently adopted CMM for Crew Labour Standards (CMM 2024-04).*					

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED*	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
VESSEL ATTRIBUTES **USA - support** the suggested removals of length, tonnage, and engine power (Numbers 32-34). also suggest removal of the remaining fields in this category, vessel cruising speed, vessel fish hold capacity, and freezer type (Numbers 29-31). We believe that vessel cruising speed can be calculated if necessary, and vessel fish hold capacity and freezer type are fields that are already part of the RFV.					
Vessel cruising speed	Cruising speed of the vessel is the speed the vessel travel, which allows it to optimize its fuel usage, but also gets the vessel along at a good speed. It is not the top speed of the vessel.	*Determined by observer after being on board for a few days or can ask Captain.*	*No change suggested*	*During ROP-IWG05 USA questioned if this was still necessary* *Japan proposes removing this field since the information can be calculated using VMS data.* ***USA supports** Removal of this field*	29
Vessel fish hold capacity	The total maximum amounts in metric Tons (mT.) that the vessel freezers, wells and other fish storage areas on a vessel can hold.	*Observers have been collecting information in metric tonnes since 1994.*	*2024 PNA Comment: Could be also considered for removal, because this information is also available on the RFV, although we note that the units for this field in the RFV are volume or weight, whereas the units for the MSDF are weight.*	*RFV records Cubic Metres and can be accessed if needed* **Japan supports** removing this field since the information is available from the RFV. ***USA supports** Removal of this field*	30
Freezer type	Indicate by answering Yes/ No to all the different types of refrigeration methods the vessel has on board, many vessels may have more than one type of freezer.	*Observer determines from a drop-down list with different freezer methods and types*	*No change suggested*	*During ROP-IWG05 USA questioned if this was still necessary because collected on RFV* ***USA supports** Removal of this field*	31
Length (specify unit)	The "LOA" Length Over All can be taken from the vessel plans or from other paper work that indicates the LOA.	*Observer asks to check vessel documentation or the vessel plan. Observer cannot verify if length is correct.*	*Field suggested for removal, as it is available in the RFV and no longer required to be collected by observers.*	***PNA comment:** (as above for vessel identifiers)* ***USA: supports** Removal of this field* ***(Japan supports** removing this field since the information is available from the RFV)*	32

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED*	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Tonnage (specify unit)	The vessel may be registered using Gross Tonnage (GT) or in (GRT) this will be indicated on the vessel registration papers.	*Observer asks to check vessel documentation or the vessel plan. Observer cannot verify if tonnage is correct*	*Field suggested for removal, as it is available in the RFV and no longer required to be collected by observers.*	***PNA comment:*** *(as above for vessel identifiers)* ***USA: supports*** *Removal of this field* *(**Japan supports** removing this field since the information is available from the RFV)*	33
Engine power (Specify unit)	The engine power and the power units used on board can usually be found in the vessel plans or from other paper work of the vessel. If not sure where to look, ask the engineer.	*Observer can get this in several ways, can get it from engine model number info online if available. Most observers ask the engineer who will tell them the HP.*	*Field suggested for removal, as it is available in the RFV and no longer required to be collected by observers.*	***PNA comment:*** *(as above for vessel identifiers)* ***USA:*** *supports Removal of this field* *(**Japan supports** removing this field since the information is available from the RFV)*	34
VESSEL ELECTRONICS	Indicate "Yes or No" if on board. In your written notes you may like to indicate the numbers of each on board as well as the special uses some of this equipment may be used for.		*No change suggested*		
Radars	Indicate Yes if on board No if not sighted	*Observer collects information on make and Model*	*Field suggested for removal, as it is available in the RFV and no longer required to be collected by observers.*	***PNA comment:*** *(as above for vessel identifiers)* ***USA: supports*** *Removal of this field*	35
Depth sounder	Indicate Yes if on board No if not sighted	*Observer collects information if on board (yes no)*	*No change suggested*	***USA comment*** - If there is no clear scientific or management use, then we suggest removal.	36
Global Positioning System (GPS) (Yes/ No)	Indicate Yes if on board No if not sighted	*Observer collects information if on board (yes no)*	*Field suggested for removal, as it is no longer required to be collected by observers.*	***USA: supports*** *Removal of this field*	37

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED*	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Track Plotter	Indicate Yes if on board No if not sighted	*Observer collects information if on board (yes no)*	*Field suggested for removal, as it is no longer required to be collected by observers*	***USA**: supports Removal of this field*	38
Weather Facsimile	Indicate Yes if on board No if not sighted	*Observer collects information if on board (yes no)*	*Field suggested for removal, as it is no longer required to be collected by observers.*	***USA**: supports Removal of this field*	39
Sea Surface Temperature (SST) gauge	Indicate Yes if on board No if not sighted	*Observer collects information if on board (yes no)*	*Field suggested for removal, as it is no longer required to be collected by observers*	***USA: supports** Removal of this field*	40
Sonar	Indicate Yes if on board No if not sighted	*Observer collects information on make and Model*	*No change suggested*	***USA comment** - If there is no clear scientific or management use, then we suggest removal.*	41
Radio / Satellite Buoys	Indicate Yes if on board No if not sighted	*Observer collects information on Make and Model including number on board*	*No change suggested*	***USA comment** - If there is no clear scientific or management use, then we suggest removal.*	42
Doppler Current Meter	Indicate Yes if on board No if not sighted	*Observer collects information on Make and Model*		***USA comment** - If there is no clear scientific or management use, then we suggest removal.*	43
Expendable Bathythermograph (XBT)	Indicate Yes if on board No if not sighted	Observer collects information on make and Model maybe used in long line fishery		***USA comment** - If there is no clear scientific or management use, then we suggest removal*	44
Satellite Communications Services (Phone/Fax/Email addresses)	Indicate all the vessel Satellite numbers if the vessel has Satellite communications on board	*Observer collects information on available communications on board*	*No change suggested*	*Communications information should be collected at placement for safety reasons, and ER Field to be collected by observers*	45

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED*	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Fishery information services	Indicate Yes if used by the Vessel board - No if not sighted May include-: Weather reports; sea surface and sub surface temperatures; plankton concentrations; currents; salinity; thermocline depth estimates; productive fishing grounds; Red tide outbreaks (algae blooms); Dissolved oxygen percentiles.	*Observer collects information from vessel*	*Updated agreed notes to reflect that observers should record the different services a vessel may receive. Ideally these would be supported by E-reporting drop-down lists.*		**46**
Other Electronic Equipment	Record Description Make and Model of any new devices used on board the			**Japan**- *Further* consideration requires clarification on what types of equipment's are expected to be collected. ***Editorial*** *- It is suggested that this field would apply to new electronic devices installed on the Bridge, Chart room or in the Radio Room.* *Observers would gather "Make, Model and describe each device's purpose, which will help understand its function.* *Depending on the devices purpose, this may enhance safety, communication, and or overall efficiency*	**46A**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED*	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Vessel Monitoring System	Indicate the type of systems used on a vessel- The most popular and widely used system is the INMARSAT system, however some vessels may use the ARGOS system- some vessels may have both. There are also other systems if these are being used please record	*Observers are asked to identify the system used and the make and model of the units on board*	*Field that could be collected by other means.*	***USA comment:*** *(as above for crew attributes and supports Removal of this field)*	47
Other Electronic Equipment	Note any observations related to make and model of any electronic equipment that is new or different	*Observer collects information on Make and Model of anything that is new or different*	*Data field in this section recommended to be added, with suggested agreed notes*	.	46A
Comments during ROP-IWG05 *The **USA** and **SPC** comments during the discussion indicated that there could be some review of this section and the data that observers should collect. Points raised:* • *There are new technology, such as EM where observers could independently record if the technology was installed and in use.* • ***USA** noted that some electronic equipment may not be necessary for observers to independently* collect *Karl noted that need to be mindful that the electronic equipment covers three types of vessels, and some types of equipment are still useful for observers to collect on pole and line vessels*					

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
LONGLINE INFORMATION					
VESSEL ATTRIBUTES					
Refrigeration Method	Indicate by answering Yes/No to all the different types of refrigeration methods the vessel has on board as indicated on the RLL-1 Form - many vessels may have more than one type of freezer.	*Observer collects information of types of refrigeration. May be supported by drop-down list of refrigeration types if E-reported.*	*No change suggested*		48
GENERAL GEAR ATTRIBUTES **USA** have a question on this section. Annex A identifies mainline length as a possible field that could be collected by other means, but Annex B identifies mainline material, mainline length, mainline diameter and branch line material(s) as open for discussion on retention/removal (Numbers 49-52) - Does SPC use these fields? We would support removal of mainline length.					
Mainline material	The materials used in the mainline of the vessel - some examples are Kuralon- Braided nylon, - Monofilament Nylon there are many more	*Observer collects information of Mainline materials May be supported by drop-down list of Mainline n types if E-reported.*	*No change suggested*	**USA -** Does SPC use this field?	49
Mainline length	What is the total length of the mainline when it is fully set usually recorded in miles or kilometer's (make sure the unit is clearly indicated)	*Observer collects information from Captain or Deck Boss*	*There may be technological approaches that could streamline the estimation of mainline length by observers.*	*Eg Using a known Lat and long for start and end of set on a GPS/VMS tracks could be used to estimate the distances travelled and the shape of the set* ***USA Supports** Removal of this Field*	50
Mainline diameter	What is the diameter of the mainline; observers can measure this with small calipers if they have them or just ask the Engineer or Bosun. Measurement is usually recorded in Millimetres	*Observer collects information.*	*No change suggested*	**USA -** Does SPC use this field?	51

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Branch line material(s)	A branch line can consist of one type of material like monofilament, or it can be made up of many different materials like braided nylon wire trace and mono filament, etc	*Observer collects information. May be supported by drop-down list if E-reported.*	*No change suggested*	**USA -** Does SPC use this field?	52
SPECIAL GEAR ATTRIBUTES ***USA** - Many of the fields suggested in this section are related to seabird mitigation, and as was noted in the meeting, seabird mitigation requirements vary geographically so we suggest that mandatory reporting only apply where required and optional reporting where the requirements do not apply.* ***USA** do not support the addition of tori line condition, length of tori lines, streamers on tori lines and tori line extent (Numbers 63-66). This data would be practically difficult for an observer to collect without assistance from the captain or crew.*					
Wire trace	At the **trip level** indicate Yes or No -if the vessel uses wire traces on some or all their lines (Yes) or if no wire traces are used then record No. If wire traces used on all lines during the trip then record "ALL LINES" If the vessel used wire traces on certain branch lines during the trip record, where possible, information on the location of the branch line where used (for example "used on first and tenth branch lines from the float"). If the proportion of leaders that are wire varies within a trip, record the average based on a sample of ten baskets in different sets.	*Observer collects information*	*No change suggested*	*ER Field could indicate amount of wire traces used in a basket/set* *100% Percentage __None*	53

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Mainline hauler	Indicate Y or No - Most longline vessels will have an instrument that hauls the lines in after it has been set- some very small vessels may haul line by hand.	*Observer collects Yes, No information*	*Field suggested for removal, as it is no longer required to be collected by observers.*		54
Branch line hauler	Indicate Y or No - Some long line vessels may use special haulers to coil the branch lines	*Observer collects Yes, No information*	*Field suggested for removal, as it is no longer required to be collected by observers.*		55
Line shooter	Indicate Y or No - Some vessels allow the longline to drag over the side and regulate depth-of setting by the speed of the vessels, many long liners have a special piece of equipment that regulates the speed of the line going into the water and therefore along with a constant setting speed of the vessel allow the line to be set at uniform depth along the length of the line	*Observer collects Yes, No information*	*No change suggested*		56
Automatic bait thrower	Indicate Y or No -Most vessels manually throw the branch lines with the bait away from the wash, especially if the bait is vulnerable to bird strikes. However there are a number of vessels that use automatic bait throwers so the bait is constantly thrown away from the wash at a determined distance.	*Observer collects Yes, No information*	*No change suggested*		57

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Automatic branch line attached	Indicate Y or No - Most lines are attached manually at a regular distance along the mainline by a crewman, however some vessels may have an automatic branch line mechanisms that attaches the branch at regular intervals.	*Observer collects Yes, No information*	*No change suggested*		58
Hook type	**Record at the set level** what type of hook or hooks is used. Examples are J Hooks - Circle hooks-offset circle etc, the vessel usually uses one type, but may use a couple of types. **Note that the SPC/FFA observer programme uses an excellent SPC-produced "Terminal Gear Identification Guide"; which clearly identifies the most common hook types and sizes*	*Observer collects types of hooks used*	*No change suggested*		59
Hook size	**Record at the set level** the size of the hooks used, if not sure ask the Bosun or refer to a hook catalogue. **Note that the SPC/FFA observer programme uses an excellent SPC- produced "Terminal Gear Identification Guide"; which clearly identifies the most common hook types and sizes.*	*Observer collects size of hooks used*	*No change suggested*		60

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Hook Shielding Devices	Record whether or not the vessel uses Hook Shielding Devices **at the set level..** If yes, • Record if all lines have Hook shielding devices used • Record if a mixture of Hook shielding devices are used • If they are mixed estimate the percentage used.	*Observer collects Yes, No information*	*Data field in this section recommended to be added, with suggested agreed notes*	***NZ suggested additional Data Field -*** *additions primarily relate to enhancing observer data being collected for seabird mitigation measures on the surface longline fleet*	61
Tori Line	Record **Yes** or **No at the set level** whether the vessel uses a single or double Tori lines when setting (0=none, 1=single tri line and 2=double tri line). A Tori line can have a number of different designs but is basically a line with ribbons and other attachments to scare birds away from the branch line baits	*Observer collects information on whether the vessel is using a Tori Pole or not*	*No change suggested*	*Instructions last changed WCPFC12*	62
Tori Line Condition	Record whether or not the vessel will use at least one tori line **at the trip level** (Yes or No). If yes, the vessel is using tori lines record the following data: • Length of Tori Lines • Streamers on Tori Lines • Tori Line Aerial Extent	*Observer collects Yes, No information*	*New data field in this section recommended to be added, with suggested agreed notes*	***NZ suggested additional Data Field -*** *additions primarily relate to enhancing observer data being collected for seabird mitigation measures on the surface longline fleet.* ***USA* do not support** the addition of " Tori Line Condition"	63
Length of Tori lines	Measure/Estimate the length of the tori line/s	*Observer collects Yes, No information*	*New data field in this section recommended to be added, with suggested agreed notes*	During ROP-IWG05 **Japan** indicated they need more time to consider and discuss ***USA* do not support** the addition of "Length of Tori Line."	64

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Streamers on Tori lines	Observer collects following information at first set. • Number of Tori poles/lines used • length of Tori Pole • Tori Pole end point height from sea level • How many long Streamers longer than 1 metre used • How many short streamers, less than 1 metre used • First Streamer distance from tori line attachment to pole. • Distant apart from first streamer to rest of streamers down the line. • Last Streamer distance from end of line		*New data field in this section recommended to be added, with suggested agreed notes*	***USA* do not support** the addition of "Streamers on Tori lines"	65
Tori line aerial extent	Where a tori line is recorded to be used **at the set level**, estimate the total aerial extent during the duration of setting of fishing lines.	*Observers* Estimate the total aerial extent during the duration of the setting of fishing lines.	*New data field in this section recommended to be added, with suggested agreed notes*	***NZ suggested additional Data Field -*** *additions primarily relate to enhancing observer data being collected for seabird mitigation measures on the surface longline fleet* ***Japan*** *- This should be deleted since it is difficult to precisely estimate the total aerial extent, which is subject to observers' biases and other factors such as climate conditions*. ***USA* do not support** the addition of "Tori line aerial extent"	66

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Side setting with bird Curtain and weighted branch lines	Record Yes or No **at the set level**– whether the vessel used side-setting with bird curtain also record whether weighted branch lines were in use	*Observer collects information*	*No change suggested*	*Instructions last changed WCPFC12*	67
Weighted branch lines (trip level)	**At the trip level** record whether or not the vessel uses weighted branch lines (Yes or No). If yes, record the mass of the weight attached to the branch line. If more than one type of weighting is used during a trip, describe each type and indicate the proportion based on a sample of ten baskets in different sets.	*Observer collects information*	*No change suggested*	*Instructions last changed WCPFC12*	68
Weighted Branch Lines (set level)	Record whether or not the vessel uses weighted branch lines **at the set level,** including coverage of gear using weighted branch lines (Yes – 100% of lines, Yes, mixed - specify percentage of overall gear, or No)	*Observer collects information including mass of the weights, and estimated proportion if there is more than one type of weight used*	*New data field in this section recommended to be added, with suggested agreed notes*	***NZ suggested additional Data Field -*** *additions primarily relate to enhancing observer data being collected for seabird mitigation measures on the surface longline fleet*	69
Shark lines	At the set level, record the number of shark lines (branch lines running directly off the longline floats or drop lines) observed. Where possible, record the length of this line for each set.	*Observer collects information*	*No change suggested*		70

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Blue dyed bait	Record Yes or No at the set level-whether the vessel used bait that has been dyed especially to look blue.	*Observer collects information*	*No change suggested*	*Instructions last changed WCPFC12*	71
Distance between weight and hook (in metres)	Measure the distance in metres from where the bottom of the weight is attached on the branch line to the eye of the hook.	*Observer collects information*	*No change suggested*		72
Deep setting line shooter	Record Yes or No at the **set level**– whether the vessel used a deep setting line shooter. <u>If so, record make and model</u>	*Observer collects information*	*<u>Updated agreed notes</u> to enhance data collected by observers.*	*Instructions last changed WCPFC12*	73
Management of offal discharge	Record Yes or No at the set level- whether the vessel used the management of offal discharge.	*Observer collects information*	*No change suggested*		74

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Strategic offal disposal	Record Yes or No at the trip level whether the vessel used strategic offal disposal (dumping offal to attract seabirds away from hooks, or not dumping offal). **Note that most vessels discard their offal from processed fish by different methods, describe what the vessel does- example the vessel may just throw it over the side as they process the fish, they may accumulate offal in baskets and throw it over in one go, they may have machines that blends the offal into a liquid form and spray over the side, they may use it to deter bird strikes when setting, etc.*	*Observer collects information, ideally supported by E-reporting which includes dropdowns specifying different types of discharge categories*	*No change suggested*	*Instructions last changed WCPFC12*	75
LONG LINE SET INFORMATION ***USA do not support** the addition of night setting (Number 78) as this can be an automated calculation using location and time information already collected and submitted to the Secretariat and SSP. Having this information calculated by the Secretariat or WCPFC scientific services provider (SSP) will also ensure consistency in identifying night sets.*					
Date and time of start of set	Date and time the first buoy is thrown into the water to start the setting of the line.	*Observer collects information*	*No change suggested*		76
Latitude and Longitude of start of set	Take the GPS reading at the time the first buoy is thrown into the water.	*Observer collects information*	*No change suggested*		79

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Time of Nautical Dawn – for Night Setting	Where night setting is used (Yes or No), record the time of nautical dawn in UTC for the location recorded under [Latitude and Longitude of start of Set].	*Observer collects Yes, No information, ideally supported by electronic tools*	*New data field in this section recommended to be added, with suggested agreed notes*	***Refer to attached Comment*** ***NZ suggested additional Data Field -*** *additions primarily relate to enhancing observer data being collected for seabird mitigation measures on the surface longline fleet* ***Japan*** *- This should be deleted since the information can be calculated using #76 and #79.*	77
Night Setting	At the set level, record whether or not (Yes or No) if fishing lines were set after nautical dawn and before nautical dusk	*Observer collects Yes, No information, ideally supported by electronic tools*	*New data field in this section recommended to be added, with suggested agreed notes*	***NZ suggested additional Data Field -*** *additions primarily relate to enhancing observer data being collected for seabird mitigation measures on the surface longline fleet* ***Japan****- This should be deleted since this can be determined from the information of #76, #79, #80 and #81.* ***USA*** **do not support** the addition of night *setting*	78
Date and Time of end of set	Date and time the last buoy (usually has radio beacon attached) at the end of the mainline thrown into the water	*Observer collects information*	*No change suggested*		80
Latitude and Longitude of end of set	Take the GPS reading at the time the last buoy is thrown into the water	*Observer collects information*	*No change suggested*		81
Total number of baskets or floats	A basket is the sum of all the hooks set between two buoys on a longline; usually it is the same as the number of floats set minus one.	*Observer collects information*	*No change suggested*		82

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Number of hooks per basket, or number of hooks between floats	How many hooks set from one buoy to another, the number is usually constant along the line, but can vary in some cases, also if the vessel also sets a branch line on the buoy count this as a hook between floats as well.	*Observer collects information*	*No change suggested*		**83**
Total number of hooks used in a set	How many hooks used, usually calculated by multiplying number of baskets by the number of hooks between the baskets.	*Observer collects information*	*No change suggested*		**84**
Line shooter speed	If the vessel has a line shooter, it will normally have an indicator to show its running speed, as well as a sound indicator or light, that beeps at a regular interval, when it is time to attach a branch line.	*Observer collects information*	*No change suggested*		**85**
Length of float-line	Length of the line that is attached to the floats, get a coil and measure the length. It usually remains the same throughout the trip	*Observer collects information*	*No change suggested*		**86**
Distance between branch-lines	Distance the branch lines are attached to the mainline can be determined easily if vessel has a line shooter with electronic attachment indicator.	*Observer collects information*	*No change suggested*		**87**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Length of branch-lines	Measure the length of a sample of the of the majority of branch lines used, some may vary slightly due to repairs.	*Observer collects information*	*No change suggested*		**88**
Time-depth recorders (TDRs)	Does the vessel use TDRs on its line, record the number it may use and where along the mainline they attach them to the branch lines.	*Observer collects information*	*No change suggested*		**89**
Number of light-sticks	**At the set level** indicate whether the vessel uses light sticks on its line, record the number it used, and record, where possible, information on the location (for example "used on first and tenth branch lines from the float").	*Observer collects information*	*No change suggested*	*Instructions last changed at WCPFC12*	**90**
Target species	What species does the vessel target - Tuna (BET YFT) Swordfish, Sharks. Etc.	*Observer collects information*	*No change suggested*		**91**
Bait Species	**At the set level**, record the bait species used Pilchard, Sardine, Squid, artificial bait, etc	*Observer collects information*	*No change suggested*	*Instructions last changed WCPFC12*	**92**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Total weight of each species used for bait	Observer to calculate/estimate total amount of each species of bait used for each set	*Observer collects information*	*New data field in this section recommended to be added, with suggested agreed notes*	***Refer to Comment*** *During ROP-IWG05* ***Chinese Taipei*** *raised a query regarding whether this was feasible in all circumstances. Reply from Karl, supported by Tim (SPC) confirmed this has been estimated by PICT observers for some time.* *During ROP-IWG05* ***Korea*** *noted that their observers have not been collecting this field. Thanks for reply, we will further consider this* ***Japan****- believes that this should be deleted since the calculations are sometimes difficult in practice, and the burden on observers is significant. Japan reserves the right to make further comments until additional information of the scientific needs are provided.*	93
Hook number indicated for attachment of bait species	Observers calculate hook number in each basket where catch has occurred	*Observer collects information*	*New data field in this section recommended to be added, with suggested agreed notes*	***Refer to Comment*** ***Japan****- This should be deleted since it places a heavy burden on observers.*	94
Date and time of start of haul	Date and time the first buoy of the mainline is hauled from the water to start the haul.	*Observer collects information*	*No change suggested*		95
Date and time of end of haul	Date and time the last buoy of the mainline is hauled from the water to end the haul	*Observer collects information*	*No change suggested*		96
Record Lat and Long at Start of Haul	Latitude and Longitude recorded at commencement of haul	*Observer collects information*	*New data field in this section recommended to be added, with suggested agreed notes*		97

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Record Lat and Long at end of Haul	Latitude and Longitude recorded at end of haul	*Observer collects information*	*New data field in this section recommended to be added, with suggested agreed notes*		98
Total amount of baskets, floats monitored by observer in a single set	How many floats or baskets monitored by the observer. Observer can monitor this by counting the number of floats they watch coming on board	*Observer collects information*	*No change suggested*		99
INFORMATION ON CATCH FOR EACH SET					
Hook number, between floats	The hook number that the fish is caught on count hooks from the last float hauled on board to next float hauled on board	*Observer collects information*	*No change suggested*		100
Species code	FAO code of species caught	*Observer collects information*	*No change suggested*		101
Length of fish	Measure length of species using the recommended measurement	*Observer collects information*	*No change suggested*		102
Length measurement code	Code the type of measurement used i.e. all tunas are UF upper Jaw to fork length	*Observer collects information*	*No change suggested*		103
Gender	Sex the species if possible if species checked but to difficult to determine use indeterminate "I" if not seen i.e. on a whole fish use Unknown "U"	*Observer collects information*	*No change suggested*		104

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*COMMENT ON HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE OR SUPPLEMENTARY COMMENTS*	
Condition when caught	Use condition codes to indicate status when caught. For each observed silky and oceanic whitetip shark, sea turtle, seabird or marine mammal, add three new codes: hooked in mouth', hooked deeply (throat/ stomach)', and hooked externally'	*Observer collects information*	*No change suggested*	*Instructions last changed at WCPFC12*	**105**
Fate	What happens to the fish after its caught use the codes supplied	*Observer collects information*	*No change suggested*		**106**
Condition when released	Use condition codes to indicate status when released to the sea. For each observed silky and oceanic whitetip shark, sea turtle, seabird or marine mammal, record 'hook and/or line removed'	*Observer collects information*	*No change suggested*	*Instructions last changed at WCPFC12*	**107**
Tag recovery information	Record as much as information as possible on any Tags recovered	*Observer collects information*	*No change suggested*		**108**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
PURSE SEINE INFORMATION AND DATA					
VESSEL AND RELATED ATTRIBUTES					
Number of onboard support vessels	How many vessels on board other than the net skiff, i.e. speedboats light boats, tow boats	*Observer collects information*	*No change suggested*		109
Aircraft Make/Model,/Colour/Call-sign/Registration	If the vessel has a helicopter on board record all the details, usually you can get information from the Pilot.	*Observer collects information if helicopter used or on board*	*No change suggested*		110
GEAR ATTRIBUTES					
Maximum depth of net	Ask the engineer what is the maximum net depth	*Observer must ask for this information*	*Field suggested for removal, and suggest this is included in vessel logs*	During ROP-IWG05 USA queried if these fields were needed for science. SPC indicated possibly, so may need to consider retaining	111
Maximum length of net	Ask the engineer what is the maximum net depth	*Observer must ask for this information*	*Field suggested for removal, and suggest this is included in vessel logs*	**Refer to Comment** During ROP-IWG05 USA queried if these fields were needed for science. SPC indicated possibly, so may need to consider retaining	112
Net mesh size	Measure and record the net mesh size of the main body of the net		*No change suggested – can be measured by the observer*	**Editorial note –** changes to align with Annex B suggestions	113

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Brailer capacity sizes	Record the size of the main brailer used in mT. if there is more than one brailer record the other sizes as well.	*Observers must get this for all brails on board to determine estimated catch. Observer can use volumetric calculations or just ask deck boss /bosun /captain for brail capacity*	*No change suggested*	*To support weight estimations, consider additional data fields pertaining to number of brails, of what size, were bought on board during a set, plus amount in each brail when bought on board during a set*	114
INFORMATION ON DAILY ACTIVITIES					
Date and time of start of daily activities	Record date and when you start each day, record both the /ships time and the UTC time at the same time. Be aware that dates may differ between UTC and ships time.	*Observers records ship time and UTC time when observation starts, then records all times in Ships time during that day.*	*No change suggested*		115
Time of activity	Record ships time for each activity as indicated on the activity codes table.	*Observer records using Activity Codes*	*No change suggested*		116
Latitude and longitude of activity	Take the position of each activity.	*Observer collects information*	*No change suggested*		117

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Numbers of schools sighted per day	How many free or associated schools of fish were sighted during the day? The vessel may not set on these because of size or amount in school	*Observer is asked to record every free school or floating object sighted during the day when searching, also record all activities involved with free schools and floating objects. For this to be accurate the observer would need to be on constant watch from 0430 to 1930 every day 15/16 hrs. a day*	*No change suggested* *Field suggested for removal,*	*Difficulties in collecting this info as observer would need to be on watch all day to record accurately. As it is observers generally only indicate what the vessel investigates* ***Japan supports removing** this field*	118
SCHOOL INFORMATION					
Method of detection of school	How did the vessel first detect the fish - use the best code	*Observer records using Activity Codes*	*No change suggested*		119
Type of school association	Use codes to describe type of school, remembering that fish feeding on bait fish with no floating objects around is considered unassoc.	*Observer records using Activity Codes*	*No change suggested*		120
SET INFORMATION					

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Observer's record of date and time of start of set	Record the Start of set usually recorded when the pelican hook is released and net skiff slides in to the water taking the net with it	*Observer collects information*	*No change suggested*		**121**
Observers record of date and time of end of set	Record when the net skiff is hauled on board after the set	*Observer collects information*	*No change suggested*		**122**
Vessel's record of date and time of start of set	Record what time and date the vessel has entered in the Log sheet for the same set (note do not adjust your time to suit the vessel log it may be different by a few minutes, this is acceptable.	*Observer collects information from vessel log for same set.*	*No change suggested*		**123**
Retained catch, by species	Record all species that are retained using the FAO codes	*Observer collects information using FAO Codes along with SPC retention codes.*	*No change suggested*		**124**
Discards, by species	Record all species that are discarded using the FAO codes	*Observer collects information using FAO species codes and SPC discard Codes*	*No change suggested*		**125**
Tag recovery information	Record as much as information as possible on any Tags recovered	*Observer collects information*	*No change suggested*		**126**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
INFORMATION ON CATCH FOR EACH SET					
Species code	Record all species that are measured using the FAO codes	*Observer collects information using species codes and fate codes and life status codes and gender codes where possible*	*No change suggested*		127
Length measurement code	Record all species as per the measurement methods given in the codes	*Observer collects information using measurement codes*	*No change suggested*		128
Length	Length measured in Centimetres	*Observer measures fish using CM's*	*No change suggested*		129
~~**Condition when landed on Deck**~~ **Fate**	What happens to the fish after its caught use the Fate codes supplied	*Observer collects information*	*New data field in this section recommended to be added, with suggested agreed notes*	**Refer Editorial Comment** Addition to Purse seine data fields as already a data field for long line caught fish. This "Fate code" has been collected for many years by Pacific Observers for all gear types. Codes are listed at the end of this table **Japan-** It is questionable whether determination can be made based on purse seine catch. Further consideration requires clarification of the options and how to determine condition. **USA-** On the suggested addition of "condition when landed on deck", the explanation seems to refer to fate, so the United States suggests that the field should be named "Fate" or that the explanation should be modified for clarity (Number 131)? **note correction has been made to suggested field name, and Fate codes are the intention**	130

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
~~**Condition when released**~~	~~Use condition codes to indicate life status when/if species is released to the sea.~~	~~*Observer collects information*~~	~~*New data field in this section recommended to be added, with suggested agreed notes*~~	~~Addition to Purse seine data fields as already data field for SSI, long line caught fish. This "Condition Field" has been collected for many years by Pacific Observers for all gear types including purse seiners. On Purse seiners it refers to non-target species by catch that is discarded or retained.~~ ~~Noting that It is a life status field not a Fate field both have separate coding.~~ ~~Codes are in list at end of this table~~	131

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
POLE-AND-LINE INFORMATION AND DATA					
VESSEL ATTRIBUTES					
Vessel fish hold capacity	Record in metric tonnes the total capacity of the fish holds of the vessel.	*Observers have been collecting information in metric tonnes since 1994.*	***2024 PNA Comment:*** *Could be also considered for removal, because this information is also available on the RFV, although we note that the units for this field in the RFV are volume or weight, whereas the units for the MFSD field are weight.*	***2024 PNA Comment*:** In addition, we noted that there is a difference in the Agreed Note language compared to other vessel types (see above). and we are not sure why. For vessels generally "The total maximum amounts in metric Tons (mT) that the vessel freezers, wells and other fish storage areas on a vessel can hold." For pole and line vessels "Record in metric tonnes the total capacity of the fish holds of the vessel. *Note-RFV records Cubic Metres and can be accessed if needed* ***Japan supports removing** this field since the information is available from the RFV.*	132
GEAR ATTRIBUTES					
Automatic poling devices	Record the number of automatic polling devices and comment whether they are used regularly or not.	*Observer collects information*	*No change suggested*		133
INFORMATION ON DAILY ACTIVITIES					
Date and time of start of daily activities	Write the date and time that the vessel uses and record all activities using this time	*Observer collects information*	*No change suggested*		134
Time of activity	Record time of every activity using ships time, unless otherwise stated.	*Observer collects information*	*No change suggested*		135

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Latitude and longitude of activity	Record Latitude and Longitude making sure to include the EW/ NS and record to three decimal places where possible.	*Observer collects information*	*No change suggested*		136
Type of activity	Use one of the appropriate Activity codes to describe the activity	*Observer collects information using codes*	*No change suggested*		137
Numbers of schools sighted per day	Record the number of individual schools of tuna sighted each day	*Observers generally only indicate what the vessel investigates*	*No change suggested*	*Difficulties in collecting this info as observer would need to be on watch all day to record accurately.*	138
BAITFISHING INFORMATION					
Bait species caught	Record bait species caught using 3 letter FAO codes. If unable to describe to species level use family group codes.	*Observer collects information using Codes*	*No change suggested*		139
Bait Species purchased	Record Bait species purchased using 3 letter FAO Codes. If unable to describe to species level use family group codes.	*Observer collects information using Codes*	*No change suggested*		140
Estimated weight or quantity of bait caught or used	Estimated weight of bait used for each fishing activity.	*Observer collects information*	*No change suggested*		141
SCHOOL INFORMATION					
Method of detection of school	Use “Detection Codes” on how they best describe, the way the fish were found.	*Observer collects information using Codes*	*No change suggested*		142

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Type of school association	Use 'Association Codes" on how they best describe the fish associations. I.e. Free school, Raft , Log, Whale, etc.	*Observer collects information using Codes*	*No change suggested*		143
INFORMATION ON CATCH PER SCHOOL FISHED					
Number of crew poling	Count number of crew carrying out polling of fish, once the polling has been well established. (Not at start or finish)	*Observer collects information*	*No change suggested*		144
Time of start of spraying, chumming and poling	Record start time of sprayers. Record Start time of Chumming and Polling	*Observer collects information*	*No change suggested*		145 146
Time of end of spraying, chumming and poling	Record time they stop the spraying; Record time they stop Chumming and Polling.	*Observer collects information*	*No change suggested*		147
Retained catch, by species	Species codes of all catch retained by the vessel: include estimated weight of each species caught per set.	*Observer collects information using Codes*	*No change suggested*		148
Discards, by species	Species code of all catches discarded by the vessel: include estimated weight or number of each species discarded.	*Observer collects information using Codes*	*No change suggested*		149
Tag recovery information	Record all details for any tag recovered in a set.	*Observer collects information*	*No change suggested*		150

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Species code	Record FAO Species Code for each fish that is measured in the order they are measured.	*Observer collects information using Codes*	*No change suggested*		**151**
Length measurement code	UF measurements are used for all tunas "Upper Jaw to Fork" in the tail (i.e. caudal fork)	*Observer collects information using Codes*	*No change suggested*		**152**
Length	Measure from tip of nose to the fork in the tail and rounding down to nearest	*Observer collects information in centimetres*	*No change suggested*		**153**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
SPECIES OF SPECIAL INTEREST **Marine Reptiles, Marine Mammals, Seabirds, Designated Shark Species, Mobulid Rays**					
GENERAL INFORMATION *Further work is required to allow for a distinction between an interaction and a possible infraction in the CCFS, to support improved monitoring of the implementation of cetaceans, sea turtles, sharks, mobulid and seabirds CMMs and to allow for use of ROP data in the CCFS considering overall workloads of observers.* ***During ROP-IWG05 there was a question about whether some data fields for seabird mitigation measures are collected throughout, or only in applicable area. Need further discussion*** ***During ROP-IWG05 the presentation by the Secretariat included two new Mobulid rays data fields – these need further discussion*** **Immediately after ROP-IWG05** **Canada indicated an interest in submitting some suggestions related to revise or add Marine Pollution ROP data fields**					
Type of interaction	Indicate what type of interaction, i.e. caught online - tangled in net, swimming around outside of net, etc.	*Observer collects information using Codes*			154
Date and time of interaction	Record ships date and time of interaction	*Observer collects information*			155
Time of SSI first sighting with time recorded before or after Set time	The observer collects timing information and whether there was an intentional set on an SSI or unintentional set on SSI. Additional information required if sighting was observed before the vessel starts their set.	*Observer collects information*	*A new data field in this section recommended to be added. The list of SSI codes to be developed, but would include whale sharks and cetaceans*	Requirments of CMM 2024-07 (Cetaceans) Para 1 effective 1st July 2025 ***Para 1** . CCMs shall prohibit their flagged vessels from setting a purse seine net on a school of tuna associated with a cetacean in the high seas and exclusive economic zones of the Convention Area, if the animal is sighted prior to commencement of the set.* CMM 2024-05 Para 25-1 (Sharks)-effective 1st Feb 2025 ***Para 25-(1)** CCMs shall prohibit their flagged vessels from setting a purse seine on a school of tuna associated with a whale shark if the animal is sighted prior to the commencement of the set.* ***Japan** - This field should be included in the PURSE SEINE INFORMATION not in the SSI, since it is related to purse seine vessels.* ***USA**-Support the addition of this Field*	157

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Latitude and longitude of interaction	Record position of the interaction.	*Observer collects information*			156
Species code of marine reptiles, marine mammal, or seabird.	Use FAO codes for Species.	*Observer collects information using Codes*			158
LANDED ON DECK Further work is required to allow for a distinction between an interaction and a possible infraction in the CCFS, to support improved monitoring of the implementation of cetaceans, sea turtles, sharks, mobulid and seabirds CMMs and to allow for use of ROP data in the CCFS taking into account overall workloads of observers. ***USA-*** support the addition of the field "Describe what method was used to store shark fins" (Number 164), although this edit will have no effect in jurisdictions, such as the United States, where removal of shark fins is prohibited.					
Length	Measure length in Centimetres.	*Observer collects information in Centimetres*			159
Length measurement code	Measure using the measure method determined for that species.	*Observer collects information using Codes*			160
Gender	Sex the animal if possible.	*Observer collects information using Codes*			161
Estimated shark fin weight by species	Weigh each species of shark fins separately if shark has been fined by crew, if no scales estimate the weight.	*Observer collects information*		*Consider only collecting this field if fins are removed from the carcass Need to Clairfy that shark fins when green (Fresh) can dry if removed by freezing and also if hung out to dry naturally.*	162
Estimated shark carcass weight by species	Weigh each carcass of a finned shark, if no scales available or body is discarded, or if it is too large to handle; estimate the weight.	*Observer collects information*			163

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Method used to Store Shark Fins	• Fins are left attached to Shark Body Yes NO • An individual shark carcass is bound to the corresponding fins using rope or wire YES NO • Identical and uniquely numbered tags are attached to each shark carcass and its corresponding fins YES NO • Both the carcasses and fins are stored together in the same hold. YES NO		*New data field in this section recommended a new application to be added.*	Requirement of CMM 2024-05 Effective 1st Feb 2024 Sharks Para7- 9 **Para 9 -***Notwithstanding paragraph 8. In 2025, 2026, and 2027, CCMs may authorize their vessels to implement one of the alternative measures listed below to comply with para 7. CCMs shall implement enhanced monitoring efforts on its vessels authorized to implement the alternatives.* *To ensure that individual shark carcasses and their corresponding fins can be easily identified by inspectors on board the vessel at any time, these alternatives shall be applied before sharks are stored in fish holds as soon as possible.* *(1) Each individual shark carcass is bound to the corresponding fins using rope or wire; or* *(2) Identical and uniquely numbered tags are attached to each shark carcass and its corresponding fins in a manner that inspectors can easily identify the matching of the carcass and fins at any time. Both the carcasses and fins shall be stored on board in the same hold* **Japan**- This should be revised according to the newly adopted CMM after July 1, 2025. **USA Support** the addition of this field	164
Condition when landed on Deck	What is the condition when caught use codes:	*Observer collects information using Codes*			165

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Condition when released	What is the condition when discarded use codes;	*Observer collects information using Codes*			166
Tag recovery information	Record as much as information as possible on any Tags recovered	*Observer collects information*			167
Tag release information	Record as much as information as possible on any Tags placed on the species before being released.	*Observer collects information*			168
INTERACTION WITH VESSEL OR GEAR ONLY *Further work is required to allow for a distinction between an interaction and a possible infraction in the CCFS, to support improved monitoring of the implementation of cetaceans, sea turtles, sharks, mobulid and seabirds CMMs and to allow for use of ROP data in the CCFS considering overall workloads of observers*					
Vessel's activity during interaction	What was the vessel doing when the interaction took place i.e. setting, hauling, etc.	*Observer collects information using Codes*			169
Condition observed at start of interaction	Condition of species at the start of the interaction	*Observer collects information using Codes*			170
Condition observed at end of interaction	Condition of species at the end of the interaction	*Observer collects information using Codes*			171

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
SSI is incidentally encircled in the purse seine net	Where reasonable steps taken to release the animal unharmed YES NO If NO describe the incident	*Observer collects information*	*A new data field in this section recommended to be added.*	Requirement of CMM 2024-07 para 2 (a) effective from 1 July 2025-Observer can verify if the vessel has taken steps as required by CMM ***Para 2(a)**- ensure that all reasonable steps are taken to ensure its safe release. This shall include stopping the net roll and not recommencing fishing operations until the animal has been released and is no longer at risk of recapture* **Japan**- This should be **deleted** since the guidelines referred to in each CMM are not mandatory and it is unclear what the "reasonable steps" indicate, which allows for bias by observers. **USA** – **Supports** this field **addition** to the MSDF	172
If SSI is caught by longline, what is the length of line on released live animal. (longline caught)	*Observer to ~~record~~ **estimate** or measure how much gear eg line was left on a released animal*	*Observer collects information*	***2024 USA suggestion**: it would be useful to request a notation on how much gear (eg, 0.5 m line) may be left on a released animal*	**Refer to attached Comment** **Japan**- Although Japan understands the scientific value of this information, it should still be **deleted** since it places a heavy burden on observers. **USA Supports** this field **addition** to the MSDF	173
Description of interaction	Indicate interaction, with the vessel gear only - caught on line - tangled in net, etc	*Observer collects information using Codes*			174
Number of animals sighted	How many animals sighted during interaction	*Observer collects information using Codes*			175

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
VESSELS & AIRCRAFT SIGHTINGS					
VESSELS & AIRCRAFT SIGHTINGS					
UTC. Date & Time of sighting	Record vessel sighting using UTC date and time from the GPS	*Observer collects information*	*No change suggested*		176
Observers Vessel Latitude and	Record your vessels position at time of sighting.	*Observer collects information*	*No change suggested*		177
Longitude position	Try to identify the name of the vessel sighted usually on the stern or on the bow	*Observer collects information*	*No change suggested*		177
Where possible sighted vessel or aircraft Name	Try to identify all or part of the call sign painted on the vessel, usually on the bow and or the vessel superstructure	*Observer collects information*	*No change suggested*		178
Where possible sighted vessel or aircraft call-sign	If possible, try to identify the flag State of the vessel, usually can see the name of the flag State indicated on the stern.	*Observer collects information*	*No change suggested*		179
Flag of sighted vessel if possible	Record any other visible and prominent markings	*Observer collects information*	*No change suggested*		180
Other vessel markings	Indicated what type of vessel using codes	*Observer collects information*	*No change suggested*		181
Type of Vessel (i.e. Purse-seine - Longline, etc.)	What bearing is it from your vessel to the sighted vessel using compass degrees not directions use 90^0 not East	*Observer collects information*	*No change suggested*		182

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Compass bearing from observer's vessels to sighted vessel	Check the sighting on the radar and use the distance indicated, if not available use your estimate	*Observer collects information*	*No change suggested*		**183**
Estimated distance from observer's vessels to sighted vessel	Describe whether fishing or not fishing using the codes.	*Observer collects information*	*No change suggested*		**184**
Activity of sighted vessel i.e. Fishing, Drifting, Steaming etc.	Write any comments that will help to identify the vessel such as colour of vessel, did you take photos, etc.	*Observer collects information*	*No change suggested*		**185**
Comments-.	Record vessel sighting using UTC date and time from the GPS	*Observer collects information*	*No change suggested*		**186**

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
OBSERVER TRIP MONITORING SUMMARY *Further work is required: to refine ROP data fields, including those in ROP pre-notifications, to allow for more useful consideration in the compliance case file system and compliance review process* ***PNA comment:*** *Much of the vessel trip monitoring summary data are not useful for the purpose of the CCFS. Only RS-a to RS-d, WC-c, PN-a, and perhaps LC-a to LC-f are sufficiently useful for the CCFS. All other vessel trip data in this form is not relevant towards the CCFS purposes. But this not relevant data are useful and can be used to inform the effectiveness and review of certain CMMs implementation* ***Sect:*** *Another suggestion is to put a check box beside the page number check box column to indicate that if Y is checked by the observers, it has been verified by a debriefer/coordinator (see below row 200B)* *During ROP-IWG05 PNA reconfirmed that they believe that the review of data fields*					
Observer name & nationality:	Name and nationality of observer	*Observer collects information*			187
Observer Trip number:	Trip number used on all the other forms	*Observer collects information*			188
Observer Provider/Programme:	Programme that supplied the observer to the vessel	*Observer collects information*			192
Name of Vessel:	Vessel name include all numbers in the name	*Observer collects information*			193
Vessel Call sign:	IRCS or WIN number whichever is used	*Observer collects information*			194
Vessel Gear Type:	Type of vessel	*Observer collects information*			195
Coastal state license, when applicable:	License of coastal state if applicable	*Observer collects information*			196
Vessel certificate of registration:	Registration number of vessel as in 'General Attributes'	*Observer asks to check vessel documentation.*	*Field that could be collected by other means – suggest removal.*	*This information is available and collected in the RFV.*	197

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
WCPFC RFV Vessel Identifier (VID)	This number is generated automatically by the WCPFC RFV upon the inclusion of a vessel into the RFV.		*Data field in this section recommended to be added, with suggested agreed notes*	*This is currently encouraged, as mandatory field WCPFC field for E-reported data. Using a vessel identifier field ("VID") supports electronic reporting of observer data and may provide the opportunity to remove the redundancy of including all vessel attributes with each trip record and ensures standardisation and consistency through referencing the RFV database.*	198
WCPFC Authorisation:	WIN number if supplied	*Observer asks to check vessel documentation.*	*Field that could be collected by other means– suggest removal..*	*This information is available and collected in the RFV.*	199
Nationality of any boarding vessel ** note this field is only to be used when a boarding is made by an inspection vessel*	When at sea indicate if any patrol vessels made a boarding name and nationality of the vessel making the boarding	*Observer collects information*		*To be submitted with the Observer Trip Monitoring Summary from June 8th 2016*	200
Observer Start date of Trip	The Date observer starts their trip.	*Observer collects information*		*To be submitted with the Observer Trip Monitoring Summary from June 8th 2016*	189
Observer End date of Trip	Date observer completes their trip.	*Observer collects information*		*To be submitted with the Observer Trip Monitoring Summary from June 8th 2016*	190
Status of Observer Debriefing	Debriefed Not Debriefed Pre-Debriefed	*Observer collects information*		*To be submitted with the Observer Trip Monitoring Summary from June 8th 2016*	191

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Has the observer Report been debriefed? YES or NO	A new check box beside the page no. column to indicate that the checked Yes by observers on the form has been verified. A summary text box option for the debriefer to provide comments		***2024 PNA suggestion:*** *The purpose of these fields is so that the debriefer can indicate that the trip data is being reviewed or cleared for CCFS use. If the provided comments suggest for compliance actions, then that will be taken note of and enter into the CCFS. But if it indicates that the data is cleared with no further consideration, that comments need to be taken note of and not entered in the CCFS.*		200 B
Did the vessel do any of the following: indicate YES or NO; for any YES response, please provide additional explanation and information)		*Further work is required: to refine ROP data fields, including those in ROP pre-notifications, to allow for more useful consideration in the compliance case file system and compliance review process*			
inaccurately record vessel positions on vessel log sheet for sets, hauling and catch; (Yes No)	Check vessel log sheets against your recorded position for sets and hauls and determine if they are inaccurate (note positions may vary slightly up but should be in a very close range to your recorded positions			**Trip Monitoring Issue Code: LP-A**	201
inaccurately record retained 'Target Species' in the vessel logs; (Yes No)	Did the vessel record species incorrectly or inaccurately, often on Purse seiners small YFT and BET are thrown in with Skipjack			**Trip Monitoring Issue Code: LC-A**	202

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
inaccurately record 'Target Species' discards; (Yes No)	Long liners often discard commercial species because they are shark or whale damaged or on Purses seiners because they are too small or are poor quality these are often not recorded at all or are under recorded (*Note that commercial tuna species discarded on a purse seine vessel can only be when it is unfit for consumption)*			**Trip Monitoring Issue Code: LC-B**	203
inaccurately record retained bycatch species (Yes No)	Longliners and purse seiners often do not record bycatch species they retain such as billfish , mahi mahi			**Trip Monitoring Issue Code: LC-E**	204
inaccurately record bycatch species discards; (Yes No)	Longliners and purse seiners often do not record at all any discard species and if they do it is often inaccurate			**Trip Monitoring Issue Code: LC-F**	205
record species inaccurately (Yes No)	Purse seiners often record BET as YFT especially when they are small			**Trip Monitoring Issue Code: LC-C**	206
interact with non-target species: (Yes No)	Did the vessel have interaction with non-target species ; e.g. species of special interest			**Trip Monitoring Issue Code: SI-B** *Consider amending to be interact with SSI species (Yes No)*	207
high grade the catch; (Yes No)	High grading is where smaller or less quality species are discarded to make way for better quality and larger species			**Trip Monitoring Issue Code: WC-B**	208

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
fail to comply with any Commission Conservation and Management measure; (Yes No)	Did the vessel not comply with some of the measures in the WCPFC CMMs - i.e. set on FADS when there is a closure , etc			**Trip Monitoring Issue Code: WC-A** *Observers cannot determine this accurately as observer need to know fully all CMMS and their requirements.*	209
fish in areas where it is not permitted to fish; (Yes No)	Did the vessel fish in closed areas such as within territorial seas or specific closures given by the Commission			**Trip Monitoring Issue Code: NR-A** *Observers cannot determine this accurately as observer need to know fully all CMMS and their requirements.*	210
fail to report vessel position to countries, where required, when entering and leaving an EEZ (crossing to or from an EEZ into or out of the High Seas (Yes No)	Vessels are required to indicate to every country when they enter and leave their Zones			**Trip Monitoring Issue Code: LP-B** *Observers cannot determine this accurately as observer need to know fully all CMMS and their requirements.*	211
transfer or tranship fish from, or to, another vessel (Yes No)	Did the vessel the observer is on transfer from, or receive any tuna during the trip.			**Trip Monitoring Issue Code: NR-E**	212
request that an event not be reported by the observer; (Yes No)	Did the Captain ask the observer not to report certain activities occurring on the vessel?			**Trip Monitoring Issue Code: RS-B**	213
Did the operator or any crew assault, obstruct, resist, delay, refuse boarding to, intimidate or interfere with observers in the performance of their duties (Yes No)	Self-Explanatory			**Trip Monitoring Issue Code: RS-A** *Consider developing a dropdown of different scenarios so observer can indicate exact problem.*	214

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
Did the operator fail to provide the observer, while on board the vessel, at no expense to the observer or the observer's government, with food, accommodation and medical facilities of a reasonable standard equivalent to those normally available and medical facilities of a reasonable standard equivalent to those normally available to an officer on board the vessel. (Yes No)	Self-Explanatory			**Trip Monitoring Issue Code: RS-D** *Consider developing a dropdown of different scenarios so observer can indicate exact problem.*	215

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
New field – labour standards for example **"Mistreat the Crew" (Yes No)**	*Did the Vessel Captain /Crew mistreat any member of the Crew. If answered Yes Observer must write a full account of the incident.*		*It would be useful to request a notation related to monitoring of the Labour Standards CMM*	**The CMM 2024-04 Crew Labour Standard doesn't come into force until 1 Jan 2028.** **USA** - Suggest additional wording referencing language from paragraph 12 of CMM 2024-04 for this field USA suggest the wording be changed or added to the agreed notes. with "*Were there indicators of forced or compulsory labor or other mistreatment of crew, as specified in Attachment 2 of CMM 2024-04 (Yes / No)? If answered "Yes," Observer must write a full account of the incident."* **IWGROP** - Noting that this field could be agreed now to save time and future effort as we are now looking at Minimum Standard Data fields in the IWGROP. The field would not be in any way a mandatory field to be filled or acted on until the CMM comes into force on Jan 1 2028. Also Noting that the CMM2024-04 Para 19 states that "*This measure will take effect on 1 January 2028 and CCMs are encouraged to implement these measures as soon as possible.*"	216
use a fishing method other than the method the vessel was designed or licensed; (Yes No)	Did the vessel fish by a method to which it was not designed i.e. purse seiner setting long lines etc.			**Trip Monitoring Issue Code: NR-C** *Consider developing a dropdown of different scenarios so observer can indicate*	217
lose any fishing gear; (Yes No)	Did the vessel lose any gear during it fishing campaign Describe type of gear and how it was lost.			**Trip Monitoring Issue Code: PN-C**	218

WCPFC CURRENT FIELD	WCPFC AGREED NOTES	*HOW COLLECTED ***	*COMMENT ON ANY SUGGESTED CHANGES*	*ALTERNATIVE AND/OR SUPPLEMENTARY COMMENT*	
abandon any gear; (Yes No)	Did the vessel leave gear behind when they go to port (FADS			**Trip Monitoring Issue Code: PN-D**	219
fail to report any abandoned gear; (Yes No)	Did the vessel report the loss or abandonment of gear to the authorities of the country where the vessel fishes in the case of the high seas they should report to the flag state of the vessel?			**Trip Monitoring Issue Code: PN-E** *Consider developing a dropdown of different scenarios so observer can indicate what was abandoned*	220
dispose of any metals, plastics, old fishing gear or chemicals;(Yes No)	Did they crew discard over the side any materials as indicated			**Trip Monitoring Issue Code: PN-A** *Consider developing a dropdown of different scenarios so observer can indicate what was discarded or discharged*	221
discharge any oil; (Yes No)	Pump or lose fuel oil into the ocean			**Trip Monitoring Issue Code: PN-B**	222
fail to monitor international safety frequencies; (Yes No)	Did not keep the radio s on the bridge tuned to 2180 etc when not in use			**Trip Monitoring Issue Code: SS-A**	223
fail to stow fishing gear when entering areas where they were not authorized to fish; (Yes No)	When entering a non-licensed area the vessel must stow all gear. These include territorial seas going to port or in countries where the vessel isn't licensed to fish,			**Trip Monitoring Issue Code: NR-G** *Consider developing a dropdown of different scenarios so observer can indicate applicable closed areas*	224

USA Comment *- On the observer minimum data fields for monitoring transshipment, the United States recommends consistency with changes to the MSDFs. For example, the United States notes that a few of the fields such as "vessel owner" and "fish hold capacity" are fields that are being recommended for removal from the observer MSDF because that information is collected in other ways; so in the spirit of consistency, if these fields are removed from the MSDF, then it is likely that the information can also be removed from the minimum fields for monitoring transshipment.*

Further work required on FAD Data Fields – links to FAD Management Options IWG outcomes

FAD DATA Fields	
Name of Observer	Full name of observer -first name first - last name last
Vessel Name	Full name of vessel including numbers
Vessel IRCS	Vessel Radio Call-sign (If none WIN identification)
Observer Trip Number	Trip number allocated by observer provider
Page Number	Number pages used
Date FAD Sighted	Record date of FAD sighting
Time FAD Sighted	Record ships time FAD sighted
Latitude of FAD	Record position of FAD using Latitude
Longitude of FAD	Record position of FAD using Longitude
HOW FAD IS DETECTED Codes for how FAD is Detected 1 Seen from vessel (No other Method) 2 Seen from Helicopter 3 Marked with Radio Beacon 4 Bird radar 6 Information from other vessel 7 Anchored (GPS) 8 Marked with Satellite/GPS beacon 9 Navigation Radar 10 Lights 11 Flock of Birds sighted from vessel 12 Other - please specify in comments 13 Being deployed (so not detected) 20 Unknown	Record the primary method using codes to locate the FAD
FAD ANCHORED OR DRIFTING (circle "Y" for Anchored or "N" for Drifting	Indicate whether the floating object is an anchored Floating object or not.
MATERIALS FAD IS MADE FROM **Codes for FAD Main Materials** 1 Logs / trees / branches 2 Timber / planks / pallets / spools 3 PVC or plastic tubing 4 Plastic drums 5 Plastic sheeting 6 Metal drums (i.e. 44gal) 7 Philippines design drum FAD 8 Bamboo / Cane 9 Floats / Corks 10 Unknown (Describe) **FAD Attachments** 11 Chain /Cable rings /Weights 12 Cord/Rope 13 Netting hanging underneath FAD 14 Bair containers 15 Sacking /Bagging 16 Coconut fronds/Tree branches 17 Other materials (Describe)	Record the main components that make up the floating object.

ELECTRONICS ASSOCIATED With FADS Codes for Electronics associated with FAD 1 Radio buoy (with identification) 2 Radio buoy -unidentified 3 GPS buoy (with identification) 4 GPS buoy - unidentified 5 Sounder buoy (with identification) 6 Sounder buoy - unidentified 7 Light buoy 8 Other (describe) (record all available identification Characters) 20 Unknown (describe in comments)	Record whether any electronics were associated with the floating object?
ORIGIN OF FAD Codes for Origin of FAD 1. Your Vessel deployed this trip 2. Your vessel deployed previously 3. Other vessel's - with permission 4 Other vessel's - without permission 5 Other Vessel Consent unknown 6 Drifting and found by your vessel 7 Deployed by FAD auxiliary vessel 8 Origin Unknown 9 Other Origin (specify)	The observer is to try to find out the origin of the object; how did it get to be in the water, etc?
FAD ACTIVITY Codes for FAD Activity 1 Setting on FAD 2 Deploying FAD 3 Servicing FAD 4 Retrieving FAD 5. Vessel drifting beside FAD attracting fish away from FAD before carrying out a Set 6. Vessel setting close to FAD specify estimated distance in comments 7 Vessel using lights of boat or light boat to attract fish from FAD during night 8 Other (Describe) 9 Investigate floating object using sonar/sounder	Observer's best describes the activity that the boat is involved with the FAD. *Code 9 added at SC5*
ESTIMATED SIZE OF FAD Simple Diagram to be drawn by observer indicating dimensions.	Record the width, breadth, depth of the main body of the object as found or deployed.
COMMENTS	Observer to record FAD information not covered by the
Depth of Netting and or other materials hanging from Floating Object (FAD)	Observers are to try and estimate depth and type of materials hanging below floating objects.
FAD Markings or numbers	Observers are to record any FAD markings such as Numbers – IRCS- Names - or FAD Tag numbers
Describe the "Floating Object" when first found by the vessel.	Observers are to describe the condition, attachments if any, and nature of the floating object when first
Describe any changes or additions to the 'Floating Object' when vessel departs.	Observers are to describe the condition, and any additional work or electronics attached to refresh the

Code guidelines for use with Minimum Standard Data Fields

Purse seine Activity and Helicopter Codes	
1	Set
2	Searching
3	Transit
4	No fishing -Breakdown
5	No fishing – Bad weather
6	In port – please specify port
7	Net Cleaning Set
8	Investigate "Free School"
9	Investigate "Floating Object/s"
10R	Retrieve - Raft FAD or Payao
10D	Deploy - Raft, FAD, Payao
11	No fishing – Drifting at day's end
12	No fishing – Drifting with a floating object
13	No Fishing – Other Reason
14	Drifting with Fish aggregating lights
15R	Retrieve Radio beacon/GPS buoy, etc.
15D	Deploy Radio beacon/GPS buoy, etc
16	Transhipping or bunkering
17	Service FAD or floating object
H1	*Helicopter takes off to search*
H2	*Helicopter returns fro search*

Purse seine - "How tuna is Detected Codes"	
1	Seen from Vessel
2	Seen from Helicopter
3	Marked with Beacon
4	Bird Radar
5	Sonar/Depth Sounder
6	Information from other Vessel
7	Anchored FAD/Payao (Previously recorded)

Purse seine – "School Associations (Tuna only)"	
Free Schools	
1	Unassociated with any other object or animal;
2	Unassociated but feeding on Bait Fish only;
Associated Schools	
3	Drifting Log /debris or a 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

Fate Codes	
Retained Codes	
RWW	Whole weight
RHG	Headed & Gutted (Billfish only)
RGG	Gilled & Gutted (kept for sale)
RPT	Partially retained (e.g fillet loins etc)
RCC	Retained for crew consumption
ROR	Retained for other reasons (specify)
RFR	Trunk and fins retained (shark only)
Discarded Codes	
DFR	Discarded trunk - fins retained (shark only)
DTS	To small (record only for tuna)
DGD	Gear Damage (record only for tuna)
DVF	Vessel fully loaded (no more storage)
DUS	Unwanted species
DSD	Shark Damage
DWD	Whale Damage
DPQ	Poor quality
DPA	SSI species released alive
DPD	SSI species released dead
DPU	SSI species released in unknown condition
DOR	Other reason for discard.
ESC	Tuna escaped from net.
DAH	Alive Hook/Line removed (SSI & Sharks)

Species Caught and Released - Condition Codes	
A0	Alive but unable to describe condition
A1	Alive and healthy
A2	Alive and injured or distressed
A3	Alive but unlikely to survive
D	Dead

Species Interaction Code	
G01	Entangled
G02	Hooked Externally
G03	Hooked Internally
G04	Hooked in mouth (SSI & Shark)
G05	Hooked deeply - throat stomach (SSI or Sharks)
G06	Hooked Unknown

The guideline Codes in these tables are used by most programmes collecting data for the Commission ROP. The codes in these tables can be used to help to describe the Minimum Standard Data fields of the Commission. These data field codes were created by, and used by SPC in their database; use of these codes will assist in harmonizing data entry

Gear Usage Tables	
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 but used normally
NOL	NO LONGER ever used

Weight Tables	
WW	Whole weight
GG	Gilled and gutted
GH	Gutted and headed
GT	Gilled, gutted and tailed
GX	Gutted, headed and tailed
GO	Gutted only (gills left in)
FW	Fillets weight
TW	Trunk weight
SF	Shark Fin

Length Codes	
TL	Tip of snout to end of tail
UF	Upper jaw to fork in tail
LF	Lower jaw to fork in tail
PF	Pectoral fin to fork in tail
TW	Total width (tips of wing)
CL	Carapace length (turtles)
NM	Not measured.

Vessel and Aircraft Codes	
1	Single Purse-seine
2	Longline
3	Pole and Line
4	Mothership
5	Troll
6	Net boat
7	Bunker
8	Search or Light Aircraft
9	Fish Carrier
10	Trawler
21	Light aircraft
22	Helicopter
31	Other (Specify type)

Action Codes for Vessel Sightings	
FI	Fishing
PF	Possibly Fishing
NF	Not fishing
DF	Dumping Fish
Receiving Vessel sighted	
TR	Transhipping
SR	Set Sharing
BR	Bunkering
OR	Other
Unloading Vessel sighted	
TG	Transhipping tuna from hold of unloading vessel
SG	Set Sharing one vessels catch to another vessel
BG	Bunkering
OG	Other (Specify)