

## Opening Statement from the Chair

Distinguished Heads of Delegation, and all participants to the 8<sup>th</sup> Meeting of the Parties,

It is a great honour to welcome you all to the 8<sup>th</sup> Meeting of the Parties to the Southern Indian Ocean Fisheries Agreement.

The health context related to the COVID-19 pandemic requires us once again to organise this meeting by correspondence and video conference. This process presents some challenges that I outlined in Circular 2021-14 regarding the conduct of this meeting. We have important issues to discuss at this meeting. We need to make decisions, so I would invite all Members to be flexible to reach a consensus and allow us to move forward.

The Compliance Committee concluded last week. It is up to us this week to note the compliance issues and work on their resolution. We will also have to approve or not the provisional list of IUU vessels of the SIOFA.

With regard to the Scientific Committee, we need to take stock of their provided work plans. I would particularly like to express SIOFA gratitude to the European Union and Australia for their voluntary contributions which, along with the budget validated by MoP 7, have allowed us to finance several studies, the programming of which we must validate.

Several amendments have been proposed to the conservation measures in force, and a new measure on the monitoring of vessels by VMS is under consideration. I would like to thank all the CCPs that have invested in these working groups to enable us to study these measures today.

Finally, we have an important task to consider the strengthening of the Secretariat as required by MoP 7 and, like every year, the budget for next year must be adopted.

As the last day is reserved for the adoption of the report, we have 4 days to deal with all these issues, and I hope that you have made effective use of the Forums tools with the correspondence items to clarify any potential misunderstandings beforehand and to have all the details required to take a position and proceed smoothly.

According to our Rule of Procedure rev3, Thailand will leave its office as Chairperson of the Meeting of the Parties after the adoption of the written report and wish the best to Seychelles which succeed in this duty.

I thank you all for your participation and declare the 8th Meeting of the Parties officially open.

MoP-08-05 rev2

8<sup>th</sup> Meeting of the Parties  
(MoP8)  
05-09 July 2021 (online)

## List of MoP8 participants

SIOFA Secretariat

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### Abstract

This document provides the list of participants who have been registered by their delegation to participate to the 8<sup>th</sup> Meeting of the Parties of SIOFA.

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## LIST OF MoP8 PARTICIPANTS

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## **Opening Statement from SIODFA**

Thank you Chair for the much-appreciated opportunity for the Southern Indian Ocean Deepsea Fishers Association to observe the eighth SIOFA Meeting of the Parties. In reviewing past MoP meeting reports, I realized that only four participants at our meeting today have attended all MoPs since our first in Melbourne in 2013 in their same capacity: three are from industry, two from SIODFA, the other from the Japanese Overseas Fishing Association.

This emphasizes industry's view that we can only be successful if the Agreement's parties are successful. I recall from SIODFA's presentation in 2013 that we hoped that as a new, small and nimble RFMO, the Agreement, would be perceptive, innovative, and inspired, leading the development on new customary norms in high seas fisheries governance. SIODFA pledged our technical support which could build on, then, 14 years of relevant fishing experience and data collection, an endeavour that still continues and which will be the only way in which the detailed data necessary for current assessment models can be sourced.

Further, we have, as commercial operators, partnered with scientists beyond the SIOFA community, e.g. in deepwater shark research and ageing and management studies of species whose attention still waits the attention of the Agreement, rubyfish and boarfish among them.

And, I would be remiss to ignore the irreplaceable and unmatched experience of our skippers and bridge officers, many of whom maintain an interest in management of the SIO deepwater fisheries and provide their technical support long after their retirement. None other have the firsthand experience of the behaviour and ecology of the species we target, essential for interpreting the results of assessment models. Their wisdom and knowledge are a resource that is ignored to the detriment of the Agreement.

Operating factory trawlers that remain at sea for up to three months, from ports distant to the homes of all crew members and where all operating needs must be sourced well in advance to vessel departure, whether parts for highly sophisticated electronic equipment, deck machinery, engines, fishing gear, medicines and the like is a management challenge rivalled, perhaps, only by, e.g. space missions. An unscheduled return to port results in at least 6 days lost operations, and catch – a huge cost to crew and operators alike.



In this regard, we note our particular appreciation to the Parties for their agreement to allow flexibility in our operations, because of the Covid pandemic. Flag-state observers have been sent home from the airport in Mauritius after arriving from distant Pacific Islands. Another observer had to make, not one, but three successive trips, along with crews and officers. In another case, crews have been unable to board, leaving their vessel, effectively stranded in this case in Diego Suarez in Madagascar. This understanding and flexibility has enabled operations to continue for which the industry is truly grateful. And, we have been more than willing to undertake the data collection responsibilities that would have otherwise not been done.

In closing, I note SIODFA is excited about the developments in the administration of high seas resource allocation that is happening in other RFMOs, not least in our sister Indian Ocean organization, the IOTC. We note that other RFMOs have embraced such catch allocation processes for decades. We wait in anticipation for our Agreement Parties to start evaluation and applicability of such methods.

Thank you

For SIODFA.

## STATUS OF THE SOUTHERN INDIAN OCEAN FISHERIES AGREEMENT

On 13 April 2021, the Executive Secretary of the Southern Indian Ocean Fisheries Agreement sent a letter to the office of the Legal Counsel of the FAO seek advice on the Status of the agreement to inform the Meeting of the Parties. He received an answer by way of e-mail on 27<sup>th</sup> April 2021.

The content of this exchange is displayed next page.

**13 April 2021**



Ms. Donata Rugarabamu

Reunion, 13th April 2021

Legal Counsel FAO Legal Office Food  
and Agriculture Organization of the  
United Nations

Dear Ms. Rugarabamu,

The next Meeting of the Parties of the Southern Indian Ocean Fisheries Agreement (MoP8) will take place between 5<sup>th</sup> and 9<sup>th</sup> July 2021. As the FAO is the depositary of the Agreement, I am writing to seek advice on the Status of the Agreement to inform the Meeting of the Parties. I would be grateful if the FAO could provide a written confirmation of the Status of the Agreement by 27<sup>th</sup> April 2021.

Yours sincerely,

Thierry Clot,

Executive Secretary

**27 April 2021:**

Dear Mr Clot,

thank you for your message. While FAO is ready to continue to provide this information by letter on an annual basis, we note that the correct information can always be obtained from the official Depository [website](#).

We remain available should you need further assistance.

Best regards,

**Office of the Legal Counsel**

<b>Participants</b>	<b>Signature</b>	<b>Ratification: RAT, Acceptance: ACP, Approval: APP, Accession: ACS, Other means: OM</b>	<b>Mode of consent when by "Other Means"</b>
<a href="#">Australia</a>	2006-12-29	2012-03-23 RAT	
<a href="#">China</a> <sup>1</sup>		2019-10-23 ACS	
<a href="#">Comoros</a>	2006-07-07		
<a href="#">Cook Islands</a>		2008-06-05 ACS	
<a href="#">European Union</a>	2006-07-07	2008-10-15 APP	
<a href="#">France</a>	2006-07-07	2013-01-25 RAT	
<a href="#">Japan</a>		2014-06-17 ACS	
<a href="#">Kenya</a>	2006-07-07		
<a href="#">Madagascar</a>	2006-10-04		
<a href="#">Mauritius</a>	2007-07-05	2010-12-10 RAT	
<a href="#">Mozambique</a>	2006-07-07		
<a href="#">New Zealand</a>	2006-07-07		
<a href="#">Republic of Korea</a>		2014-10-29 ACS	
<a href="#">Seychelles</a>	2006-07-07	2007-11-05 RAT	
<a href="#">Thailand</a>		2017-04-21 ACS	

The 8<sup>th</sup> Meeting of the Parties of the Southern Indian Ocean Fisheries Agreement  
5<sup>th</sup> -9<sup>th</sup> July 2021

Chair: Dr Chumnarn Pongsri

## Final Agenda

1. **Opening of the meeting** [by correspondence]
  - 1.1. Opening statements
  - 1.2. Admission of observers
  - 1.3. Status of the Agreement
  - 1.4. Participation in decision-making
2. **Administrative arrangements** [by correspondence]
  - 2.1. Adoption of the agenda
  - 2.2. Confirmation of meeting documents
  - 2.3. Appointment of rapporteurs
3. **Intersessional Decision-Making** [by correspondence]
  - 3.1. Review of all intersessional decisions (meeting modalities, IUU vessels cross-listing, etc.)
4. **Report of the Compliance Committee meeting** [by correspondence]

*The CC made several recommendations to the MoP*
5. **SIOFA Compliance Report** [by correspondence]

*The Meeting of the Parties shall consider the pSCR prepared by the CC and any comments from CCPs on their respective sections of the pSCR. The Meeting of the Parties shall adopt by consensus a Final Compliance Report (fSCR) at its ordinary meeting in accordance with Article 8 of the Agreement and Rule 12 of the Rules of Procedure (ref. CMM 2020/11 para 22)*
6. **Listing of IUU fishing vessels** [by videoconference (VC)]

*The Meeting of the Parties shall review the Provisional IUU Vessel List, taking into account any new suitably documented information [...] and adopt a new IUU Vessel List (ref CMM 2018/06 para 16)*
7. **Report of the Scientific Committee meeting** (by correspondence and videoconference (VC))

*The SC made several recommendations to the MoP.*

## 7.1 Scientific Committee work plan

## 7.2 Reference Point and Harvest Strategy

**8. Interim bottom fishing measures** [by correspondence]

- 8.1. States or fishing entities that became a CCP before the MOP in 2017 – revision to measures established under paragraph 10 of CMM 2019/01
- 8.2. States or fishing entities that became a CCP before the MOP in 2017 – approval of measures pursuant to paragraph 28 of CMM 2019/01.

**9. Review and amendment of CMMs currently in force** (by videoconference(VC))

- 9.1. Revision of CMM 2019/02 on data standards and protocol to document interaction with marine mammals
- 9.2. Proposal to amend CMM 2020/15 management of demersal stocks
- 9.3. Proposal to amend para22 of CMM 2019/14 HSBI and inspection procedure
- 9.4. Draft HSBI questionnaire (CMM 2019/14)
- 9.5. Revision of CMM 2020/08 on port inspections

**10. New CMMs** (by videoconference(VC))

- 10.1. EU proposal for a SIOFA VMS CMM

**11. Secretariat administration** (by correspondence and videoconference (VC))

- 11.1. Report on Staff Resources and Secretariat activities (by correspondence)
  - 11.1.1. Update on the 2020 fraud (by correspondence)
- 11.2. Report on Financial Resources (by correspondence)
- 11.3. SIOFA Budget (by correspondence and videoconference (VC))
  - 11.3.1. 2022 provisional budget, Secretariat staffing needs and SC activities
  - 11.3.2. 2023 forecast budget
  - 11.3.3. Adoption of the budget

**12. Cooperation with other RFMOs, international bodies and other relevant matters**

- 12.1. Southwest Indian Ocean Fisheries Commission (SWIOFC) (by correspondence)
- 12.2. CCAMLR (by correspondence)
  - Workshop with CCP and CCAMLR on data exchange protocol (SC6 report, para 155-159)*
- 12.3. IOTC (by videoconference(VC))
  - Update on the bilateral cooperative arrangement between SIOFA and IOTC (ref. MoP7 report, para 165)*
- 12.4. FAO ABNJ Deepseas Project (by correspondence)
  - The SC recommended that SIOFA joins as a partner to the project (ref SC6 report, para 151)*
- 12.5. FAO Fisheries Resource Monitoring System (FIRMS) (by correspondence)
- 12.6. FAO Regional Fishery Body Secretariats' Network (RSN) (by correspondence)
- 12.7. Other matters of interest.

13. **Status of Cooperating non-Contracting Parties** (by correspondence)
14. **Future Chairing arrangements** (by correspondence and videoconference (VC))
15. **2022 meetings arrangements** (by correspondence and videoconference (VC))
16. **Report adoption** (by correspondence and videoconference (VC))
17. **Meeting close**

8<sup>th</sup> Meeting of the Parties (MoP8)

## Table of agenda items and related papers

Agenda Item	Related Papers
<b>1. Opening</b> 1.1 Opening statements 1.2. Admission of observers  1.3. Status of the Agreement 1.4 Participation in decision-making	<b>MoP-08-05 rev2</b> List of Participants <b>MoP-08-INFO-12 rev1</b> Communications and letters in relation to South Africa (late update)  <b>MoP-08-INFO-07</b> Status of the SIOFA
<b>2. Administrative arrangements</b>  2.1 Adoption of the Agenda  2.2 Confirmation of Meeting Documents  2.3 Appointment of rapporteurs	<b>MoP-08-02</b> Meetings Registration Form <b>MoP-08-17</b> CC5 and MoP8 meetings modalities  <b>MoP-08-03 rev2</b> final Agenda <b>MoP-08-03 ANNEX rev2</b> MoP8 Timetable  <b>MoP-08-04 rev7</b> Table of agenda items and related papers  <b>MoP-08-05 rev2</b> List of Participants
<b>3. Intersessional decision-making</b> 3.1 Review of COVID intersessional decisions 3.2 Review of all other intersessional decisions	<b>MoP-08-INFO-10</b> Report on intersessional decisions
<b>4. Report of the Compliance Committee meeting</b>	<b>Final report of the CC5 with annexes</b>
<b>5. SIOFA Compliance Report</b>	<b>MoP-08-22 rev2</b> final SIOFA Compliance Report
<b>6. Listing of IUU fishing vessels</b>	<b>MoP-08-23 rev1</b> SIOFA IUU vessel list <b>MoP-08-08</b> Note IUU cross listing procedure Suggestions <b>MoP-08-INFO-21</b> Letters to Sri Lanka



Agenda Item	Related Papers
<b>7. Report of the Scientific Committee meeting</b>  <b>7.1. Scientific Committee Workplan</b> <b>7.2. Reference Points and Harvest Strategy</b>	<a href="#">MoP-08-INFO-15</a> SIOFA SC6 final report  <a href="#">MOP-08-INFO-06</a> SIODFA Thresholds Info Note  <a href="#">MoP-08-24</a> CK draft TOR for an Independent Audit of SIOFA
<b>8. Interim bottom fishing measures</b>  8.1. States or fishing entities that became a CCP before the MOP in 2017 –revision to measures established under paragraph 10 of CMM 2019/01  8.2. States or fishing entities that became a CCP before the MOP in 2017 –approval of measures pursuant to paragraph 28 of CMM 2019/01.	<a href="#">MoP-08-INFO-08</a> Bottom Trawl Fisheries on the Saya de Malha Bank (DSCC)  <a href="#">MoP-08-INFO-09</a> Saya de Malha Bank Ecology report
<b>9. Review and amendment of CMMs currently in force</b>  9.1. Revision of CMM 2019/02 on data standards and protocol to document interaction with marine mammals  9.2. Proposal to amend CMM 2020/15 management of demersal stocks  9.3. Proposal to amend para22 of CMM 2019/14 HSBI and inspection procedure  9.4. Draft HSBI questionnaire (CMM 2019/14)  9.5. Revision of CMM 2020/08 on port inspections	<a href="#">MoP-08-09 rev2</a> Revision of CMM 2019/02 on data standards  <a href="#">MoP-08-10 rev1</a> EU+AUS proposal to amend CMM 2020/15  <a href="#">MOP-08-13 rev2</a> FR-OT proposal to amend paragraph 22 of CMM 2019/14  <a href="#">MOP-08-14 rev1</a> FR-OT Draft HSBI Questionnaire CMM 2019/14  <a href="#">MoP-08-15 rev1</a> CHN Proposal on CMM 2020/08 port inspection
<b>10. New CMMs</b>  10.1. EU proposal for a SIOFA VMS CMM	<a href="#">MoP-08-16 rev1</a> EU proposal for a SIOFA VMS CMM  <a href="#">MoP-08-INFO-13</a> SIOFA VMS- summary outcome intersessional work 2021 <a href="#">MoP-08-INFO-16</a> Technical and financial considerations for SIOFA VMS

Agenda Item	Related Papers
<b>11. Secretariat administration</b> 11.1. Report on staff resources and Secretariat activities  11.2. Report on Financial Resources  11.3. Adoption of the budget	<b>MoP-08-INFO-01 rev5</b> Report on Staff resources and Secretariat activities <b>MoP-08-INFO-02</b> Secretariat staff strengthening note  <b>MoP-08-INFO-03</b> Financial Report SIOFA 2020 <b>MoP-08-INFO-04</b> (External Auditor Report <b>MoP-08-INFO-05 rev2</b> (restricted) Information document on misappropriation of contributions  <b>MoP-08-06 rev8</b> (restricted) SIOFA 2022 budget
<b>12. Cooperation with other RFMOs, international bodies and other relevant matters</b> 12.1. Southwest Indian Ocean Fisheries Commission (SWIOFC) 12.2. CCAMLR  12.3 IOTC  12.4. FAO ABNJ Deep-seas Project 12.5. FAO Fisheries Resource Monitoring System (FIRMS) 12.6. FAO Regional Fishery Body Secretariats' Network (RSN) 12.7. Other matters of interest	<b>MoP-08-INFO-17</b> Establishing an annual exchange of toothfish data between CCAMLR and SIOFA. <b>MoP-08-INFO-19</b> Cooperation facts between CCAMLR and SIOFA  <b>MoP-08-18 rev2</b> Letter of Intent IOTC-SIOFA  <b>MoP-08-INFO-18</b> FAO DSF Project – FINAL <b>MoP-08-INFO-20</b> SIOFA-FIRMS inventory (late submission) + <b>2 Excel Attachments</b>
<b>13. Status of Cooperating non-Contracting Parties</b>	<b>MoP-08-07</b> Comoros letter to SIOFA for 2021 CNCP status.pdf  <b>MoP-08-INFO-12 rev1</b> Communications and letters in relation to South Africa (late update)
<b>14. Future Chairing arrangements</b>	
<b>15. Future meeting arrangements (2022)</b>	
<b>16. Report adoption</b>	
<b>17. Meeting closure</b>	

## Report on the intersessional decisions

### Abstract

In accordance with SIOFA RoP 13.12, where any decision is taken intersessionally, the Executive Secretary shall include an agenda item on decisions taken intersessionally at the following Meeting of the Parties.

### Introduction

Since MoP7, several intersessional decisions have been taken. Following the recommendations of MoP7, the Secretariat has endeavoured to strengthen the transparent transmission of all intersessional decisions to all official contacts. The referred Circulars are available in the restricted access at the following address:

<http://apsoi.org/internal-communication>

### **A- Adoption of The MoP7 Report and Succession of the MoP Chairperson:**

On Monday 21 December 2020, on behalf of the previous MoP Chairperson the Secretariat transmitted an intersessional decision to officially adopt the report of the 7th Meeting of the Parties to Southern Indian Ocean Fisheries Agreement and formalise the transfer of the position of the new Meeting of the Parties Chairperson, succeeded by Dr Chumnarn Pongsri (ref **CIRCULAR 2020/29**).

### **B- Intersessional Decision (n°2021/01) Modalities and Arrangements of the Sixth Scientific Committee:**

On 30 December 2020, the Secretariat initiated, on behalf of the MoP Chairperson, an intersessional decision to agree on the arrangements and modalities for the sixth Scientific Committee and its working groups meetings (**Ref: SIOFA CIRCULAR 2020-30**).

This decision passed on 26 January 2021 with a letter from the MoP Chairperson, transmitted by the Secretariat. Nine delegations responded to this intersessional decision (**Ref: SIOFA CIRCULAR 2021-01**).

The following decision passed:

- *The 6th Scientific Committee and its Working Groups meetings will take place in a virtual format, with a mix of correspondence exchanges and video meetings.*
- *The 3rd Protected Area and Ecosystem working group (PAEWG3) will take place on Monday 01 March and Tuesday 02 March, with the adoption of its report on Thursday 04 March. Wednesday 03 March will be scheduled as a reserve day, and the PAEWG will meet on that day only if required to complete the online discussions.*
- *The 3rd Stock and Ecological Risk Assessment (SERAWG3) working group will take place on 08 March and 09 March, with the adoption of its report on Thursday 11 March.*
- *The 6th Scientific Committee will take place from 22 to 26 March, with the adoption of its report on Friday 26th March.*
- *The video meetings will take place from 06:00 am to 09:00 am UTC with a 20-minute break in the middle of the session, and the possibility to extend to later, only if required to complete the days' discussions and agreed by the meeting.*

**C- Intersessional decision (n°2021/02) to extend the suspension of Observer Coverage in CMM 2019-01 para 39a for the Cook Islands and Japanese trawler vessels:**

On 29 January 2020, the Secretariat transmitted an Intersessional decision from the MoP Chairperson relating to the extension of the suspension of observer coverage on Cook Islands' and Japan's Trawler vessels (**Ref: SIOFA CIRCULAR 2021-02**). This decision was based on Rule 13.1 of the Rules of Procedure and the intersessional decision described in **SIOFA Circular 15/2020**, with the Cook Islands who suggested extending the suspension of observer coverage under similar conditions from 1 February 2021 to 30 June 2021. 9 delegations responded positively to this intersessional decision. This extension of the suspension of Observer Coverage therefore passed.

As a brief reminder, the extension concerned Paragraph 39(a) of CMM 2019/01 which continues to be suspended for the Cook Islands and Japan under conditions simplified below:

*· The Cook Islands and Japan may, when COVID19-related restrictions do not allow them to ensure the safe deployment of observers, authorise any vessel flying their flag to fish with trawl methods in the Agreement Area without an observer on board for any trips that leave port for the full duration of that vessel's trip (i.e., if a vessel leaves port between). However, the use of alternate means for collecting all or part of the data specified in CMM 2018/02 are encouraged given this data is essential for the work of the Scientific Committee.*

*· Notwithstanding the provision above, when during a fishing trip that started during the derogation period without an observer onboard, the fishing vessel concerned makes a call to a port (e.g., for crew rotation, victualing etc) after the end of the derogation period, all efforts should be made to deploy an observer for the rest of the fishing trip, if safety conditions are met and safe travelling is possible.*

*· The Cook Islands and Japan may also apply this arrangement to any vessel flying their flag which has left port after the date upon which the outcome of this decision is notified.*

*· During the derogation period, the Cook Islands and Japan are encouraged to inform SIOFA Secretariat in case the evolution of the situation and COVID19 related restrictions allow meeting the conditions required for the safe deployment of observers on their respective fishing vessels.*

*· Cook Islands and Japan will submit information to the next ordinary meeting of the Compliance Committee relating to their actions during the suspension period, including any observation achieved. This information would be separate to the submission of the annual implementation report required by the CMS (as it falls outside the relevant assessed period).*

**D- Intersessional decision – Circular 2021-09 : Decision concerning the holding of the 5th Compliance Committee (CC) and the 8th Meeting of the Parties (MoP):**

On 30 April 2021, the Secretariat initiated an Intersessional decision from the MoP Chairperson concerning holding the 5th Compliance Committee and the 8th Meeting of the Parties through correspondences and videoconferences. Ten delegations answered the question of holding the 5th Compliance Committee and the 8th Meeting of the Parties.

This has resulted that, considering the report of the MoP7 para 180 which agreed that the CC5 will take place from 01 to 03 July 2021 and the MoP8 will take place from 05 to 09 July 2021, and the para 181 which confirms that the dates will remain the same, the following decision passed:

*“a) Due to the health context of the pandemic and the restriction of flights, the 5th Compliance Committee will be held by correspondence and videoconference from 01 to 03 July 2021.*

*b) For the same reasons, the 8th Meeting of the Parties will be held by correspondence and videoconference from 05 to 09 July 2021. “*

**E- Initiating an Intersessional Decision n°2021-03 to agree with some Arrangements and Modalities for the 5th Compliance Committee and the 8th Meeting of the Parties:**

On the 30 April 2021, the Secretariat transmitted a letter from the MoP Chairperson, according to rule 13 of the SIOFA's rules of procedure an Intersessional Decision to initiate agreements on some Arrangements and Modalities for the 5th Compliance Committee and the 8th Meeting of the Parties (**REF: SIOFA CIRCULAR: 2021-14**). The revised Annex 01, which details these Modalities and Arrangements was approved by the quorum and transmitted on 26 May 2021.

For the next intersessional decisions, a different numbering will be used by the Secretariat: instead of the format YEAR-NO, the format will use roman numbering for the NO so it is distinct to the circular numbering.

## Final SIOFA Compliance Report

### 1. Compliance Assessment Period: 1<sup>st</sup> January to 31st December 2020

### 2. CMMs assessed in accordance with CMM2020-11:

*This year, in addition to the conformity assessment texts of Articles 10(2) and 11.3 of the Agreement, the following CMMS were assessed:*

- CMM 2019/01 Interim Management of Bottom Fishing
- CMM 2019/02 Data standards
- CMM 2016/05 Pelagic Driftnets and Deepwater Gillnets
- CMM 2018/06 IUU Vessel list
- CMM 2019/07 Vessel Authorisation
- CMM 2017/08 Port Inspection
- CMM 2018/09 Control
- CMM 2019/10 Monitoring
- CMM 2018/11 Compliance Monitoring Scheme
- CMM 2019/12 Sharks
- CMM 2019/13 Mitigation of seabirds bycatch
- CMM 2019/14 High Sea Boarding and Inspection Procedures
- CMM 2019/15 Management of Demersal Stocks

### 3. Technical impediments to compliance identified

*(List if applicable)*

### 4. Amendments to existing CMMs

*(List if applicable)*

*None identified by the MoP*

### 5. Priority obligations to be monitored and reviewed

*(List if applicable)*

*None identified by the MoP*

### 6. Additional obligations to be included within the scope of the CMS:

*(List if applicable)*

*Not discussed by the MoP*

### 7. Response to the Compliance Committee's Assessment

*No specific responses to the CC's assessment*

### 8. Specific proposals for addressing capacity issues

*Table 1 to 14*

Table 1: Southern Indian Ocean Fisheries Agreement:

CCP	Obligation (Include paragraph number, CMM, summary description)	2019 compliance status	2020 Assessment and supporting information	2020 compliance status adopted by Mop	Follow up responsive or corrective action to be undertaken
MU	Article 10 (2) submission of a statement of implementing and compliance measures, including any imposition of sanctions for any violations NOTE: submission of CCP Compliance Report satisfies this requirement)	Critically Non-Compliant		Critically Non-Compliant	Mauritius to provide reports very soon
MU	Article 11 3. (c) submission of a report on fishing activities (this report is included within the annual National Report).	Critically Non-Compliant		Critically Non-Compliant	Mauritius to provide reports very soon

Table 2: CMM 2019/01 Interim Management of Bottom Fishing:

CCP	Obligation (Include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by Mop	Follow up responsive or corrective action to be undertaken
THA	12: Application of VME encounter threshold levels in accordance with para 12	Compliant	Compliant (cf 2.1)	Compliant	
CN	20(a): submission of spatial extent of historic bottom fishing effort data to SC3 2018	Not Assessed	Not assessed (cf 2.2)	Not assessed	
JPN		Compliant	Compliant (cf. 2.3) Historical data already submitted to best resolution existing. Vessels were not required to record activity at the 20' resolution (but 30'). 20' resolution is not achievable.	Compliant	
KOR		Critically non-Compliant	Non-Compliant	Non-Compliant	
COM	33: CCPs shall only authorise vessels flying their flag to bottom fish in the Agreement Area in accordance with the provisions of the Agreement, this CMM and all other applicable CMMs, and shall ensure that such vessels do not engage in any activity which undermines the effectiveness of these measures		Non-Compliant All right. We will require the captain of the vessel to provide us with a certificate to the port that proves that their bottom fishing activities do not have an impact in the agreement area	Non-Compliant	

CCP (include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MOP	Follow up responsive or corrective action to be undertaken
COM 34: All CCPs shall ensure that all vessels flying its flag that participate in bottom fishing in the Agreement Area are equipped and configured to comply with all relevant CMMs.		Non-Compliant All right. These are small boats of 6 meters with 4 people on board. It does not have enough space to install equipment	Non-Compliant	
COM 39(b): 20% scientific observer coverage on vessels using any other bottom fishing gear in any year		Non-Compliant It is impossible to take observers on board these small boats for safety reasons. We will see with the shipowner to put an observer on the mother vessel.	Non-Compliant	
COM 46(b): for all other gears ensure all vessels fishing in areas provided in Annex 2 always have a scientific observer onboard.	Non-Compliant	Critically Non-Compliant We are considering putting an observer on the mother vessel because it is impossible to put an observer on the small 6-meter boats	Critically Non-Compliant	
MU ALL except 22 & 44	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

(2.1) : **Thailand** would like to clarify that the Notification of the Department of Fisheries on Requirement and Regulations of Overseas Fishing Vessels which are Operating in the Area under the Southern Indian Ocean Fisheries Agreement (SIOFA) B.E. 2562 (2019) was revised and announced in the Government Gazette on 30 June 2021. However, the threshold levels for VME encounters for Thai vessels are enforced covered by Clause 21 of the Notification prescribed that "Where with rules and regulations of SIOFA will be updated information as determined by the Meeting of the Parties. The fishing vessel that requests to fishing in the SIOFA Agreement area shall comply with updating of rules and regulations of SIOFA all the time". In case of the fishing vessels violate Clause 21 of this Notification, they will be an offense pursuant to The Royal ordinance on Fisheries, Section 49, and will be legal punishment pursuant to Section 134. Moreover, Thai authorities have strictly trained the owner/master of Thai fishing vessels in practical on threshold levels for VME encounters before Thai vessels port out to operate in the SIOFA area, taking into account VME threshold more than 60 kg of live corals and/or 300 kg of sponges in any tow for trawl gears in accordance with SIOFA CMM 2020/01 that enforced in the current year.

(2.2) : **China** was not a Contracting Party in 2018. "China had been engaging in demersal trawling from 2000 to 2002. As there were no specific requirements for fishing record at time, for example what specific items shall be recorded in the logbooks, the vessel operators recorded the catch in their own designed fishing logbooks for their own purposes. Besides in current SIOFA Area, the fishing company engaged in demersal trawling almost 20 years ago and at that time there were no domestic regulations or laws requiring Chinese fishing companies to store their fishing logbooks for a certain period. As the result the fishing logbooks have not been saved. Then SIOFA came into force in June 2012 and the first CMM for demersal stocks had been adopted in 2016. Therefore, it is really beyond China's capacity to offer such more refined data as those tow-by-tow in terms of demersal trawling and only the total catch, main target species and total fishing hours were collected through the thorough efforts by both Chinese scientists and the fishing company and submitted to SIOFA in China's national reports. Bottom longline fishing was also engaged by Chinese overseas fishing companies from 2004 to 2013. These vessels used to be included in the IOTC vessel list as the vessel may harvest tuna as bycatch. Only small amounts of SIOFA species were caught due to the limited knowledge and technology on demersal species by the fisherman, and even mistake in identification or accounting maybe as results as indicated in China's national reports. As such, besides the same reason as that for demersal trawling, detailed data for SIOFA species by bottom longlining are not specifically recorded by those fishing vessels. China has no bottom longline fishing vessels since 2014."

(2.3) : First, **Japan** mentioned in its 2020 assessment "The FAJ submitted the spatial extent of historic bottom fishing effort expressed as grid blocks of at least 20 minutes resolution for the bottom longline (1°x1°), but not for trawl (30°x30°)."

After the assessment made by the Secretariat, **Japan** mentioned: "The status should be 'Not Assessed'. Before 2017, Japan did not require its vessels to collect their fishing-position data in a format finer than 1°x1° grid blocks for bottom long lines and 30°x30° grid blocks for trawl. Therefore, submitting such historical data was impossible. Compliance status of data submission for any given year should be assessed in the next year. Since this paragraph requires members to submit its data on historical bottom fishing effort to the 2018 SC meeting, the appropriate venue for the compliance assessment was CC3 (2019). The compliance assessment for such a particular past year should not be repeated. Otherwise, Japan would have to being assessed as 'Non-Compliant' forever. Since 2019, Japan has required its vessels to collect data as required by CMM 2019/02."

**Table 3: CMM 2019/02 Data standards:**



Obligation (include paragraph number and summary description)		2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
THA	4: data collected in accordance with the relevant sections of Annex A	Compliant	Not assessed	Not assessed	(CMM to be reviewed)
COM	6: submission of vessel catch and effort data to Secretariat by 31 May.	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
JPN		Compliant	Details on this information are on the 2019 annual catch report. The SIOFA Secretariat has raised concerns about the format used. We have taken and are in the process of improving.	Compliant	
CT		Compliant	Japan's understanding is that identification of species of discarded catch is not mandatory, as the requirement in the relevant CMM (Annex A of CMM 2019/02) is qualified by 'if possible'. ( <i>Cf. 3.1</i> )	Compliant	
COM	8: implement on-board all fishing vessels flying your flag the FAO Identification guide to the deep-sea cartilaginous fishes of the Indian Ocean	Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
COM	10: submission of historical catch, effort, observer data for period 2000-2015 by 31 Jan 2018.	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
CKI	2018.	Compliant	Existing catch data 2000-2017 are not usable. Logbooks are not usable.	Compliant	
KOR		Non-Compliant	The Cook Islands are undertaking a review of possible historical data and will provide relevant data in due course	Non-Compliant	
SYC		Not Compliant	Catch and effort data have not been provided in 2020, However it has been provided in March 2021	Compliant	
CN	10: for new CCRs joining after October 2016 submission of historical catch, effort, observer data for period 2000-2015 within 12 months after joining	Compliant	Seychelles does not have historical fishing activities in the SIOFA area	Compliant	
COM	14: submission of an annual observer programme implementation report included in National Report	Compliant	Compliant	Compliant	

CCP (include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
COM 15: submissions of Scientific Observer Data by 31 May.	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
	Compliant	No observation data collected		
		One mother vessel with many smaller boats around. It is not possible to board one observer on each small boat.		
JPN	Compliant	Compliant	Compliant	
COM 18 c.: submission of annual data verification report included in National Report		Japan submitted the revised observer data on 25 May 2021 which included figures of '0'.	Non-compliant	
COM 19-20: data reported in accordance with the formats described in CMM 2018/02, including its annexes		We have constraints on the methodology used	Not assessed	
COM 19-20: data reported in accordance with the formats described in CMM 2018/02, including its annexes		Not assessed	Not assessed	
CKI 20- Specifications for the submission of data:	Non applicable	Compliant	Compliant	
MU ALL: 4-8 9 (b)(c) 10 12 14-15 18 (a) (b) (c) 19-20	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

(3.1) The Secretariat, after the Assessment informed Chinese Taipei that The Secretariat notes that no species details are provided for sharks (SKX code used) and other pelagic fish (PEL code used) in 2019 data submission. All catches are recorded under these group codes which does not provide specific information. CCPs are to provide species information at the lowest taxon level possible.”

**Chinese Taipei** then, stated “To our understanding, obligation set forth para. 6 is to “submit 2019 vessel catch and effort data including all information in accordance with Annex A to the Secretariat by 31 May 2020. “ We did submit the said data to the Secretariat by 31 May 2020.

In addition, according to Annex A of CMM 2019/02, it is acceptable to submit group code such as SKX or PEL, in the field of “Species retained”.

As a result, we think our compliance status here should be “Compliant”.

Table 4: CMM 2016/05 Pelagic Driftnets and Deepwater Gillnets:

CCP	Obligation (Include paragraph number and summary)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
MU	1-implementation of measures prohibiting the use of all large-scale pelagic driftnets more than 2.5km in the Agreement Area by national vessel	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
MU	2- implementation of measures to prevent the use of deep-water gillnets by national vessel	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

Table 5: CMM 2018/06 IUU Vessel List:

CCP	Obligation (Include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
SYC	19 - Contracting Parties, CNCPs and PFEs shall take all necessary measures under their applicable legislation and pursuant to paragraphs 56 and 66 of the IPOA-IUU	Not applicable	Compliant	Compliant	
JPN	30 Without prejudice to the primacy of the responsibility of the flag State, each Contracting Party, CNCP and PFE shall take appropriate measures, subject to, and in accordance with, their applicable laws and regulations	Compliant	Compliant	Compliant	
JPN	31 should designate a contact point through which information on reported activities described in sub- paragraphs 30 (a) and (b) can be exchanged	Compliant	Compliant	Compliant	
MU	ALL	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

Table 6: CMM 2019/07 Vessel Authorisation :

CCP	Obligation (Include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
MU	2, all states or fishing entities that was a CCP before 18 Oct 2016 - electronically to the submission Secretariat a list of vessels authorised to operate in the agreement area in accordance with all requirements listed in paragraph 2(a)-(s)	Critically Non-Compliant	Critically Non-Compliant (Cf. 6.1)	Critically Non-Compliant	
MU	3	Critically Non-Compliant	Critically Non-Compliant (Cf. 6.2)	Critically Non-Compliant	
MU	ALL	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

(6.1): Secretariat: "Mauritius has sent in 2017 an initial list of authorized vessel, but some item were missing (i-e: photos)"

(6.2): "Marian 1 was fishing in the area but has not been registered on the authorised vessels list."

**Table 7: CMM 2020/08 Port Inspection Scheme:**

CCP	Obligation (Include paragraph number, and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
SYC	2 notified the Secretariat of designated ports to which foreign vessels may request (8)	Compliant	Compliant	Compliant	
			Port Victoria is the only designated Port to which foreign flagged vessels may request entry in accordance with the requirements of Para 2 of this CMM.		
COM	17 port inspectors duly authorised, trained and familiar with the Agreement and all of its relevant CMMs		Compliant	Compliant	
			Comoros has no fishing port, therefore do not make any port inspections.		
MU	22 Contracting Parties, CNCPs and PFEs shall undertake inspections of all fishing vessels carrying or landing <i>Dissostichus spp.</i> Which enter their ports.	Critically Non-Compliant	Compliant	Compliant	
MU	24 The inspections reports include all information required in Annex IV and have been forwarded to competent authority and Executive Secretary	Critically Non-Compliant	Critically Non-compliant	Critically Non-compliant	
MU	All except 19-21	Critically Non-Compliant	Critically Non-compliant	Critically Non-Compliant	

**Table 8 : CMM 2018/09 Control of fishing activities**

	<b>Obligation</b>	<b>2019 compliance status</b>	<b>2020 Assessment and supporting information (CC)</b>	<b>2020 compliance status adopted by MoP</b>	<b>Follow up responsive or corrective action to be undertaken</b>
<b>CCP</b>	<b>(Include paragraph number and summary description)</b>				
COM	2 designated the competent authority or authorities which shall act as the Contact Point and provide contacts to the Secretariat	Critically Non-Compliant	Non-compliant We have notified the SIOFA secretariat by e-mail two authorities	Non-compliant	
MU	All	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

**Table 9: CMM 2019/10 Monitoring of fisheries**

<b>CCP</b>	<b>Obligation</b>	<b>2019 compliance status</b>	<b>2020 Assessment and supporting information (CC)</b>	<b>2020 compliance status adopted by MoP</b>	<b>Follow up responsive or corrective action to be undertaken</b>
	<b>(Include paragraph number and summary description)</b>				
CT	15: Arrangements and measures implemented to ensure that all CCP vessels included in the SIOFA Record of Authorised Vessels only undertake transshipments at sea of fishery resources with other vessels included on the SIOFA Record of Authorised Vessels.	Non-Compliant	no consensus was reached ( <i>cf</i> 7.1)	Non-compliant	no further action
CT	16: All CCP vessels included in the SIOFA Record of Authorised Vessels must undertake at sea transshipment operations in accordance with the obligations listed in paragraph 16 (a)-(h)	Non-Compliant	no consensus was reached ( <i>cf</i> 7.2)	Non-compliant	Transshipment operations are monitored under other rules
MU	ALL : 1-6 8 (a)-(c) 9-12 14-16 19-26	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

**(7.1) Chinese Taipei:**

We have monitored the transshipment operations conducted by our fishing vessels by following the CCSBT CMMs, the IOTC Regional Observer Programme, and the fishing vessel must obtain prior approval from this Agency before the transshipment operation. Following the Non-compliance status given after evaluating our compliance status relating to 2019, we have held outreach activities that we remind the operators of the fishing vessels included on the SIOFA Record of Authorized Vessels shall only conduct at-sea transshipment with those vessels included on the Record of Authorized Vessels as of Jan 1, 2021. We expect that we will be Compliant in this regard when examining our compliance from 2021 onwards.

**(7.2) Chinese Taipei:**

With regard to paragraph 16 (a) to (d), according to our domestic law and regulations, operators are required to submit a transshipment plan and apply to this Agency 15 days before the at-sea transshipment for approval; besides, they should also submit a transshipment notification to this Agency for approval 3 days before the estimated time for transshipment. However, we did not submit the information to the Secretariat in 2020 as required in the CMM. We will submit it to the Secretariat in 2021 and we expect that we will be Compliant next year.

As for paragraph 16 (e) to (h), when our longline fishing vessels operating in the Indian Ocean conduct at-sea transshipment with carrier vessels, there will be IOTC ROP observers onboard the carrier vessels. The observers will submit the report to the IOTC Secretariat, and the IOTC Secretariat will then distribute them to the flag States concerned, which means it would take us longer than 15 days to submit observer reports to the Secretariat; therefore, it hinders our ability of submitting the documents required to the Secretariat. Therefore, we seek for the harmonization between IOTC and SIOFA on this measure.

**Table 10 : CMM 2018/11 Compliance Monitoring Scheme :**

CCP	Obligation (include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
MU	12 completion of a CCP Compliance Report in full accordance with paragraph 12 and submitted to the Secretariat no later than 60 days before the commencement of the next ordinary Meeting of the Parties	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

**Table 11: CMM 2019/12 Sharks :**

CCP	Obligation (include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information (CC)	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
EU	2- CCPs shall ensure that fishing vessels flying their flag do not target any deep-sea shark species listed in Annex 1 within the Agreement Area, until the Scientific Committee defines and the Meeting of the Parties agrees on possible appropriate fishing mortality and harvest levels for any of these species.	Compliant	Compliant (cf 11.1)	Compliant	SC to examine the measure, the catch levels, and move-on rules. EU to provide further info on move-on rules applied
MU	All: 2 3-3. CCPs shall ensure that fishing vessels flying their flag record and submit all reporting requirements as per CMM 2019/02 (Data Standards) for all deep-sea sharks to the lowest taxonomical level possible when caught in SIOFA fisheries.	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

**(11.1): The EU stated:** The observer work methodology considers “target species” according to the catch composition of each tow. According to this methodology, the main catches for tows 60 to 100 in the EU vessel’s trip of 28/05 to 27/09/2020 were deep-water sharks. However, these catches were not targeted and should therefore be considered bycatch.

The vessel’s fishing licence prohibits it from targeting sharks. Instead, the vessel targeted other species, as authorised by its fishing license, notably *Mora moro*/RIB, *Beryx spp*/ALF, *Polyprior spp*/WRF-WHA and *Pseudopentaceros richardsoni*/EDR. Since the entry into force of CMM 2019/12, catches of *Polyprior americanus* have increased from almost 0 to 140 t. The vessel has also been operating in areas 2, 3a, 3b, 4 and 7 whereas in previous years it operated only in areas 2, 3ba and 7).

The EU further notes that CMM 2019/12 does not establish criteria to determine what percentage of catches would constitute bycatch. In the absence of such criteria, the EU required the vessel to apply the following move-on rules to mitigate deep-water shark bycatches, as stipulated in its fishing licence:

- a) The first time that the total weight of the deep-water shark catches accounts for the highest percentage in weight of the total catch, the vessel must immediately move at least 3 nm from any position in the previous haul. In this case, it shall be treated as a by-catch and the consideration of infringement for directed fishing shall not be applied.
  - b) If the same circumstance occurs in the second haul, the vessel must move at least 10 nm and not return for at least 60 hours. In this case, it shall also be treated as a by-catch.
  - c) Upon return to the starting point after at least 60 hours have elapsed, the vessel must make a test haul for a maximum of 3 hours. If the total weight of deep-water shark catches accounts for the highest percentage in weight of the total catch, it shall not be considered as directed fishing, but the vessel must change its position as provided in a) and b). Any species caught must be identified and indicated on the catch form.
- The application of the move-on rules has been successful, as catches of deep-water sharks have decreased considerably.

In view of the above, the compliance status should be 'Compliant'.

**Table 12: CMM 2019/13 Mitigation of seabirds bycatch**

CCP	Obligation (Include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information	2020 compliance status adopted by Mop	Follow up responsive or corrective action to be undertaken
MU	2: CCPs shall require any demersal longliners and other demersal fishing gears tying their flag and operating in this area to apply the following mitigation measures:	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
MU	3(a): any vessel catching a total of three (3) seabirds in a single season shall immediately change to night setting only (i.e. setting only during the hours of darkness between the times of nautical twilight);	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	
MU	3 (c) (-h): e. at least one bird scaring line (in accordance with Annex 1) shall be deployed when setting longlines and at least one bird exclusion device (BED, in accordance with Annex 2) shall be used to prevent birds entering the hauling area, to the extent allowed by prevailing weather; d. there shall be no discharging of offal or discards immediately prior to and during the deployment or retrieval of fishing gear; e. fishing vessels using autoline systems shall add weights to the hookline or use integrated weight (IW) hooklines while deploying longlines. IW longlines of a minimum of 50 g/m or attachment to non-IW longlines of 5 kg weights at 50 to 60 m intervals are recommended; f. fishing vessels using the Spanish method of longline fishing shall release weights before line tension occurs; traditional weights (made of rocks or concrete) of at least 8.5 kg mass shall be used, spaced at intervals of no more than 40 m, or traditional weights of at least 6 kg mass shall be used, spaced at intervals of no more than 20 m, or solid steel weights of at least 5 kg mass shall be used, spaced at intervals of no more than 40 m; g. fishing vessels using the trotline system exclusively (not a mix of trotlines and the Spanish system within the same longline) shall deploy weights only at the distal end of the droppers in the trotline. Weights shall be traditional weights of at least 6 kg or solid steel weights of at least 5 kg; and	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

	h. fishing vessels alternating between the use of the Spanish system and trawl method shall use: (i) for the Spanish system: line weighting shall conform to the provisions in paragraph 3 f, (ii) for the trawl method: line weighting shall be either 8.5 kg traditional weights or 5 kg steel weights attached on the hook-end of all droppers in the trawl at no more than 80 m intervals.			
MU	4- For demersal longliners of less than 25 m, at least one measure in the para 4(a-c) shall apply	Critically Non-Compliant	Critically Non-Compliant	
MU	5 - CCPs shall require any fishing vessel flying their flag and operating in the Agreement Area using demersal pots or traps to ensure the cleanliness of the traps and pots not to attract birds, and ensure that buoy lines shall not be left floating at the surface.	Critically Non-Compliant	Critically Non-Compliant	

Table 13: CMM 2019/14 High Sea Boarding and Inspection Procedures

CCP	Obligation (include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
MU	ALL: 5,7-10;12;13;15;18;24;25;27;29;31;33-39;44-48	Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

Table 14: CMM 2019/15 Management of Demersal Stocks

CCP	OBLIGATION (include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information	2020 compliance status adopted by MoP	Follow up responsive or corrective action to be undertaken
EU	27 - CCPs shall require their flagged vessels to tag and release <i>Dissostichus</i> spp specimens at a rate of at least 5 fish per tonne green weight caught. A minimum overlap statistic of at least 60% shall apply for tag release, once 30 or more <i>Dissostichus</i> spp specimens have been caught.	Compliant	Non-compliant ( <i>Cf 14.1</i> )	Non-compliant	No further action
AUS	35-36	Compliant	Non-compliant ( <i>cf 14.2</i> )	Non-compliant	No further action required
EU	35: Toothfish shall be tagged and released at a rate of at least 5 fish per tonne green weight caught. A minimum overlap statistic of at least 60% shall apply for tag release, once 30 or more toothfish have been caught. 36- Representative data and samples of length, weight, sex, maturity stage, gonad weight and otoliths shall be collected to contribute to the work of the 5th meeting of the Scientific Committee, and in particular to contribute to assessing the risk to localised depletion	Non-Compliant	Non-compliant ( <i>Cf. 14.3</i> )	Non-compliant	No further action



CCP	OBLIGATION (Include paragraph number and summary description)	2019 compliance status	2020 Assessment and supporting information	2020 compliance status adopted by Mop	Follow up responsive or corrective action to be undertaken
MU All: 12 17 & 38 18-20 25-27 35-36 39 40 40b (2020) 41 (2019) 42 (2020) 43 (2019) 43 (2020) 44 (2019) 46 (2020) 47 (2019) 47 (2020) 48 (2019)		Critically Non-Compliant	Critically Non-Compliant	Critically Non-Compliant	

(14.1): **For 2020, European Union mentioned for its assessment:** During the EU vessel's first fishing trip in 2020, which started in November 2019, no toothfish specimens were tagged and released in the Del Cano Rise area due to a misunderstanding between the vessel owner and the scientific observer about who would provide the tags. The EU notes that CMM 15 does not specify who is responsible for providing the tags or what type of tags should be used. The issue has been resolved with the vessel owner providing CCAMLR tags.

**European Union made the additional remark:** The EU proposes a status of 'Non-Compliant, no further action needed' for this incident, noting that would be consistent with the compliance status assigned by CC4 for a similar incident in the Williams Ridge fishery for the part of the same fishing trip that took place in 2019.

(14.2) **Australia mentioned** A total of 49 Toothfish were tagged and released, at a rate of 5.44 tags per tonne and tag overlap of 53.81%.

The overall catch was small which makes it more difficult to meet the required overlap rate than where there is a larger sample size. This is because fish should only be tagged where they are in good condition and have a high likelihood of survival. The fewer fish there are to choose from for the purposes of tagging the greater the likelihood of variation from the target overlap rate:.

(14.3) **European Union mentioned that** "During the EU vessel's first fishing trip in 2020, which started in November 2019, no toothfish specimens were tagged and released in the Williams Ridge area due to a misunderstanding between the vessel owner and the scientific observer about who would provide the tags. Although the EU accepted a 'Non-Compliant' status for the same issue in the 2020 compliance assessment exercise (relating to the part of the trip that fell in 2019), we note that CMM 15 does not specify who is responsible for providing the tags or what type of tags should be used. The issue has been resolved since then with the vessel owner providing CCAMLR tags."

**European Union after Secretariat assessment added that** "The EU notes that this not a new instance of 'Non-compliance' seeing as it concerns the same fishing trip that which was the subject of a finding of 'Non-Compliant' at CC4 (the trip started in 2019 and continued into 2020). Taking into account the nature of the incident and the remedial action taken since then, the EU suggests that the most appropriate compliance status for this type of situation would be 'Non-Compliant, no further action needed'."



## SIOFA IUU vessel list

Adopted during the SIOFA 8<sup>th</sup> Meeting of the Parties

5th to 9th July 2021

Note that the list is divided into two parts:

PART1 –Current SIOFA IUU vessel list

PART 2 –Cross-listed IUU vessel from other RFMOs

## PART 1 Current SIOFA IUU vessel list

Vessel Name	PreviousNames	Flag	PreviousFlags	CallSign	IuuvIMOno	BeneficialOwner	Date	Suspected Activity	ref documentation	restricted file
ABISHAK PUTHA 3		not known		4SFXXXX	417000878		2020-08-14	Engaged in fishing for fishery resources in the Agreement Area and are not on the SIOFA Record of Authorized Vessels	<a href="https://apsoi.org/meetings/cc4">apsoi.org/meetings/cc4</a>	Draft SIOFA IUU vessel - Abishak Putha 3.pdf

## PART 2 Cross-listed IUU vessel

Name	Previous Names	Flag	Previous Flags	Call sign	IMO	Beneficial Owner	Operator	Activities	Crosslisting Date	Listing RFMOs
ABUNDANT 1	YI HONG 06	UNK/INC		CPA 226	UNK/INC	Huang Jia Yi, C/O Room 18-E Tze Wei Commercial Building, No.8 6 Th Road Lin Ya District, Kaohsiung, Chinese Taipei	Mr. Hatto Daroi, UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2021-04-05	ICCAT IOTC
ABUNDANT 12	YI HONG 106	UNK/INC		CPA 202	UNK/INC	Huang Jia Yi, C/O Room 18-E Tze Wei Commercial Building, No.8 6 Th Road Lin Ya District, Kaohsiung, Chinese Taipei	Mr. Mendez Francisco Delos Reyes, UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2021-04-05	ICCAT IOTC
ABUNDANT 3	YI HONG 16	UNK/INC		CPA 201	UNK/INC	Huang Jia Yi, C/O Room 18-E Tze Wei Commercial Building, No.8 6 Th Road Lin Ya District, Kaohsiung, Chinese Taipei	Mr. Huang Wen Hsin, UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2021-04-05	ICCAT IOTC
ABUNDANT 6	YI HONG 86	UNK/INC		CPA 221	UNK/INC	Huang Jia Yi, C/O Room 18-E Tze Wei Commercial Building, No.8 6 Th Road Lin Ya District, Kaohsiung, Chinese Taipei	Mr. Huang Wen Hsin, UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2021-04-05	ICCAT IOTC
ABUNDANT 9	YI HONG 116	UNK/INC		CPA 222	UNK/INC	Huang Jia Yi, C/O Room 18-E Tze Wei Commercial Building, No.8 6 Th Road Lin Ya District, Kaohsiung, Chinese Taipei	Mr. Pan Chao Mao, UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2021-04-05	ICCAT IOTC
Acros No 2		Unknown	Honduras						2020-08-11	GFCM ICCAT IOTC
Acros No 3		Unknown	Honduras						2020-08-11	GFCM ICCAT IOTC

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AL WESAM 5	CHAINAVEE 5A	UNK/INC	DJIBOUTI, THAILAND	UNK/INC (HSN5447)	UNK/INC	UNK/INC (MARINE RENOWN SARL), UNK/INC	Contravention of IOTC Resolution 17/03/ Violation de la résolution de la CTOI 17/03	2020-08-12	ICCAT IOTC
Al'Amir Muhammad		Egypt						2020-08-11	GFCM IOTC
Alboran II	White enterprise [NAFO/NEAFC] / White, Enterprise, Enxembre, Atalaya, Reda IV, Atalaya Del Sur [SEAFO]	Unknown	Panama, St. Kitts & Nevis	Unknown	7306570	Unknown	Last known location: Gibraltar Port (31 March 2009)	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC SEAFO
Amorinn	Iceberg II, Noemi, Lome	Unknown	Togo, Belize	SVAN9	7036345	Unknown Unknown (Infirco Ltd Ocean Star Maritime CO. (Seric Business S.A.)	Sighted 58.5.1 (11 Oct 2003), Sighted 58.4.2 (23 Jan 2004)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
ANEKA 228		UNK/INC		UNK/INC	UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
ANEKA 228; KM.		UNK/INC		UNK/INC	UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Antony	Urgora, Atlantic Oji Maru No. 33 -Oji Maru No. 33	Unknown	Venezuela, Honduras, Panama, Belize, Indonesia	PQMG	7236634	Atlanti Pez, (Urgora S de RL), (World Ocean Fishing SL)	Supporting IUU-listed vessel (3 March 2016)	2020-08-12	CCAMLR ICCAT IOTC SEAFO
Asian Warrior	Kunlun, Taishan, Chang Bai, Hongshui, Huang He 22, Sima Qian Baru 22, Corvus, Galaxy, Ina Maka, Black Moon, Red Moon, Eolo, Thule, Magnus, Dorita [CCAMLR/IOTC]	Saint Vincent and the Grenadines [CCAMLR]	Indonesia, Tanzania, Korea DPRK, Panama, Sierra Leone, Equatorial Guinea, Uruguay	J885336, 3CAG	7322897	Stanley Management Inc, UNK/INC	Sighted 58.5.2 (31 Jan 2004), Sighted 58.5.1 (10 May 2006), Sighted 58.4.1 (21 Jan 2010), Sighted 58.4.1 (13 Feb 2011), Towing Baiyangdian 57 (01 Apr 2012), Sighted 58.6 (01 Jul 2012), Sighted 58.4.2 (28 Jan 2013),	2020-08-11	ICCAT SEAFO

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Atlantic Wind	Zemour 2, Luampa, Yongding, Jiangfeng, Chengdu, Shaanxi Henan 33, Xiong Nu Baru 33, Draco I, Liberty, Chilbo San 33, Hammer, Seo Yang No. 88, Carran [CCAMLR]	Unknown	Tanzania, Equatorial Guinea, Indonesia, Cambodia, Panama, Sierra Leone, Korea (DPRK), Togo, Uruguay	5IM813, 3CAE	9042001	High Mountain Overseas SA (Viarso Fishing Company/Navalmar S.A., Global Intercontinental Services, Rajan Corporation, Redlines Ventures S.A.)	High Mountain Overseas S.A., UNK/INC	Undocumented landing Malaysia (01 Aug 2004), Fishing 58.4.3a (22 Feb 2005), Fishing 58.4.3a (28 Apr 2005), Fishing 58.4.3b (16 Dec 2005), Fishing 58.4.3b (01 Jul 2009), Fishing 58.4.2 (27 Jan 2010), Fishing 58.4.3b (04 Apr 2010), Fishing 58.4.1 (19 Mar 2007), Sighted 88.1 (15 Jan 2008), Sighted 57 (19 Dec 2010), Sighted 57 (05 Oct 2012), Sighted 57 (24 Mar 2013), Sighted 57 (03 Sep 2013), Sighted 57 (19 Nov 2013), Sighted 57 (14 Feb 2014)	2020-08-11	SEAFO
Baroon	Lana, Zeus, Triton-1 [CCAMLR]	Unknown	Nigeria, Mongolia, Togo, Sierra Leone, Tanzania	5IM376	9037537	Vero Shipping Corporation (Punta Brava Fishing S.A.)			2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
Blaskara No 10		Unknown							2020-08-11	GFCM IATTC ICCAT IOTC
Blaskara No 9		Unknown							2020-08-11	GFCM IATTC ICCAT IOTC
Bigeye		Unknown							2020-08-11	GFCM ICCAT IOTC
Bravo		Unknown							2020-08-11	GFCM ICCAT IOTC
Camelot		Unknown							2020-08-11	GFCM IATTC ICCAT IOTC
Challenge	Mila, Perseverance [CCAMLR] / Mila, Isla, Montana Clara, Perseverance [SEAFO]	Unknown	Panama, Equatorial Guinea, United Kingdom	HO5381	6622642	Advantage Company S.A. (rion Ltd, Vidal Armadores S.A., Mar de Neptuno S.A., Argibay Perez J.A.)		Sighted 58.4.3b (14 Feb 2006), Sighted 58.4.3b (22 May 2006), Sighted 58.4.3b (10 Dec 2006), Sighted 58.4.3b (08 Feb 2008)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO

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CHI TONG						UNK/INC					UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Chia Hao No 66					Unknown											2020-08-11	GFCM IATTC IOTC
CHOTCHAINAVEE 35	CARRAN				UNK/INC						UNK/INC		GREEN LAUREL INTERNATIONAL SARL/UNK/INC	MASTER/PATRON: Mr PRAWIT KERDSUWAN,UNK/INC	Engaged in fishing or fishing related activities in waters of a coastal State without permission or authorisation./S'est engagé dans la pêche ou des activités liées à la pêche dans des eaux d'un État côtier sans la permission ou	2020-08-12	IOTC
Cobija	Cape Flower, Cape Wrath II				Unknown						CPB3000	7330399		Unknown, Express Financial Ventures Group Inc	Fishing inside FAO Area 47 in 2016. Investigation initiated by Ecuadorian Fisheries Authority	2019-06-17	SEAFO
Daniaa	Carlos				Unknown										Boarded in the High Seas of Indians Ocean (15°05'1.20"S and 088°28'24.66"E) by Australia on 18	2020-08-11	GFCM ICCAT IOTC
Dragon III					Unknown											2020-08-11	GFCM IATTC ICCAT IOTC
Eros Dos	Furabolos				Unknown						Unknown (HO-5115, S7KC)	8604668		Unknown	Burned on 7 Nov 2018, last known location: St. Eugenia de Ribeira, Spain (05 March 2009)	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC SEAFO
Fu Hsiang Fa					Unknown											2020-08-11	GFCM IOTC

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FU HSIANG FA 18		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 01		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 02		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 06		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 08		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 09		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 11		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 13		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC



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FU HSIANG FA NO. 17		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 20		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 21a		UNK/INC		UNK/INC		OTS 024 or OTS 089				Contravention of IOTC Resolution 07/02/ Violation de la résolution de la CTOI 07/02	2020-08-12	IOTC
FU HSIANG FA NO. 21b		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	IOTC
FU HSIANG FA NO. 23		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 26		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
FU HSIANG FA NO. 30		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Fu Lien No 1		Unknown									2020-08-11	GFCM ICCAT IOTC

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Full Rich		Unknown	BELIZE	HMEK3			Noel International LTD (Noel International LTD),UNK/INC		Contravention of IOTC Resolution 07/02/Violation de la résolution de la CTOI 07/02	2020-08-11	GFCM ICCAT IOTC
Gala I	Manara II/Roagan	Unknown								2020-08-11	GFCM ICCAT IOTC
Goidau Ruey No 1		Unknown								2020-08-11	GFCM IATTC ICCAT IOTC
Good Hope	Toto, Sea Ranger V	Nigeria		SNMU	7020126		Port Plus Ltd (Sharks Investments AVV)		Resupplying IUU vessels Area 51 (09 Feb 2007)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
Gorflero	Gran Sol	Unknown	Sierra Leone, Panama [NAFO/NEAFC]	Unknown (9LYF36, H03738)	6719419			Unknown	Last known location: La Coruna, Spain (September 2007)	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC SEAFO
Gunuar Melyan 21		Unknown							Contravention of IOTC Resolution 07/02/ Violation de la résolution de la CTOI 07/02	2020-08-11	GFCM ICCAT IOTC
HAI DA 705		Unknown		Not known	Not known		Not known	Not known	Communications between Japanese Patrol vessel and HAI DA705 at 43 10.4'N, 153 38.6'E on 11 Sep 2016 indicated they caught squid with drift net in the high sea. (Port displayed on the vessel: 沈黙門);	2020-08-12	NPFC
HALELUYA		Unknown		5IM615			Imanely SAS / NIT: 900076756 / N° de Registry: 21591712 / État: Actif Barrio Bosque Transversal 52, No 21A-62, Cartagena, de Indias, Bolivia	Imanely SAS / NIT: 900076756 / N° de Registry: 21591712 / État: Actif	EU : suspects this vessel, without nationality, may be engaging in fishing activities in ICCAT Convention Area. Believed by Environmental Justice Foundation (EJF) to be flagged or previously flagged to Tanzania (See Doc. COC-	2021-04-05	ICCAT

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Heavy Sea	Duero, Julius, Keta, Sherpa Uno	Unknown	Panama, Saint Kitts and Nevis, Belize	3ENF8	7322926		C&S Fisheries S.A. (Muner S.A., Meteoros Shipping, Meteora Shipping Inc., Barroso Fish S.A.)	Sighted 58.5.1 (03 Feb 2004), Fishing 57 (29 Jul 2005)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
HOOM XIANG 101		UNK/INC	MALAYSIA	UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
HOOM XIANG 103		UNK/INC	MALAYSIA	UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
HOOM XIANG 105		UNK/INC	MALAYSIA	UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Hoom Xiang II		Unknown	MALAYSIA	UNK/INC	UNK/INC		Bhd), UNK/INC (MALAYSIAN INTERNATIONAL TUNA PORT, 11960 BATU MAUNG PULAU, PINANG)	Contravention of IOTC Resolution 09/03/ Violation de la résolution de la CTOI 09/03	2020-08-11	GFCM ICCAT IOTC
Iannis I	Moana Mar, Canos De Meca	Unknown	Panama	HO3374	7332218		Unknown	Last known location: Indian Ocean (2007)	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC SEAFO
Jinzhang	Hai Lung, YeLe, Ray, Kily, Constant, Tropic, Isla Graciosa	Unknown	Belize, Mongolia, Equatorial Guinea, South Africa [CCAMLR] / Belize [SEAFO]	PQBT	6607666		Arniston Fish Processors (Pty) Ltd, (Vidal Armadores S.A.), (Nalanza S.A.), (Argbay Perez J.A.), (Belfast Global S.A.), (Eterna Ship Management)	Fishing inside Division A (2012), Fishing 58.4.3b (23 May 2006), Fishing 58.4.2 (18 Feb 2007), Fishing 58.4.3b (24 Mar 2007), Fishing 58.4.3b (12 Jan 2008), Fishing 58.4.3b (09 Jan 2009), Fishing 58.4.3b (20 Jan 2009)	2021-04-05	CCAMLR GFCM SEAFO
Jyi Lih 88		Unknown							2020-08-11	GFCM IATTC ICCAT IOTC

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KIM SENG DENG 3		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Koosha 4	Eguzkia	Iran, Islamic Republic of		9BQK		7905443			Pars Paya Seyd Industrial Fish	Inside Division 58.4.1 (15 Feb 2011)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
KUANG HSING 127		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
KUANG HSING 196		UNK/INC		UNK/INC		UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Labiko	Maine, Claude Monter, Chevalier d'Assas [SEAFO]	Unknown	Guinea Conakry	3XL2		7325746				Last known location: NEAFC RA (29 oct 2007)	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC
LIAO YUAN YU 071		Unknown		Not known		Not known		Not known	Not known	It was seen at 42 15.4'N, 153 22.8'E on 23 Aug 2016. When the Japanese patrol vessel approached, a vessel crew tried to hide the vessel name. Communication between the Japanese patrol vessel and LIAO YUAN YU 071	2020-08-11	IOTC NPFC
LIAO YUAN YU 072		Unknown		Not known		Not known		Not known	Not known	It was seen at 42 18.7'N, 153 27.9'E on 23 Aug and at 42 9.2'N, 151 16.4'E on 11 Oct 2016. Vessel name was hidden by paint. (Port displayed on the vessel; Shidao; Vessel type: Lighted lift net vessel; Tonnage: 800t)	2020-08-11	IOTC NPFC
LIAO YUAN YU 9		Unknown		Not known		Not known		Not known	Not known	It was seen at 42 3.0'N, 153 0.8'E on 23 Aug and at 42 10.0'N, 151 16.8'E on 11 Oct 2016. Vessel name was hidden by paint. (Port displayed on the vessel; Shidao; Vessel type: Lighted lift net vessel; Tonnage: 800t)	2020-08-11	NPFC

# ANNEX I

Lila No 10		Unknown	Panama						2020-08-11	GFCM ICCAT IOTC
Limpopo	Ross, Alos, Lena, Cap George, Conbaroya, Tercero [SEAFO] / Lena, Alos, Ross [CCAMLR]	Unknown	Togo, Ghana, Seychelles, France	Unknown	7388267		Grupo Oya Perez (Kang Brothers, Lena Enterprises Ltd, Alos Company Ghana Ltd)	Fishing 58.5.2 (21 Sep 2003), Sighted 58.5.1 (03 Dec 2003), Fishing 58.4.3b (23 Feb 2005), Fishing 58.4.3b (14 Dec 2005), Sighted 58.4.3b (25 Jan 2007)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
LU RONG SHUI 158 (鲁荣水158)		Unknown		Not known	Not known		Not known	A Japanese patrol vessel sighted this fishing vessel in the Convention area at 39°59.2'N, 147°39.7'E on July 7, 2018. There is no vessel registration of this vessel on the NPFC vessel register. MMSI 4126888540	2020-08-11	NPFC
LU RONG YU 1189		Unknown		Not known	Not known		Not known	It was seen at 41°24.9'N, 140°32.7'E (Japan EEZ) on 14 Jun 2016. (Port displayed on the vessel: Shidao; Vessel type: Carrier vessel; Tonnage: 100t) MMSI: 412321992	2020-08-11	IOTC NPFC
LU RONG YU 612		Unknown		Not known	Not known		Not known	A Japanese patrol vessel sighted this fishing vessel was drifting in the Convention area at 39°50.00'N, 147°1.8'E on July 21. The port of registry is Shidao and AIS information showed that the vessel name is "Lu Long Yuan Yu	2020-08-11	IOTC NPFC
LU RONG YUAN YU 101		Unknown		Not known	Not known		Not known	While LU RONG YUAN YU 101 is registered as a light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 101 with lift net type was seen at 49°9.2'N, 149°19.5'E on 17 May 2016. LU	2020-08-11	IOTC NPFC
LU RONG YUAN YU 102		Unknown		Not known	Not known		Not known	While LU RONG YUAN YU 102 is registered as one light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 102 with lift net type was seen at 42°21.3'N, 151°55.5'E on 11 Oct 2016. LU	2020-08-11	IOTC NPFC
LU RONG YUAN YU 103		Unknown		Not known	Not known		Not known	While LU RONG YUAN YU 103 is registered as one light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 103 with lift net type was seen at 40°25.9'N, 150°9.9'E on 1 June	2020-08-11	IOTC NPFC

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LU RONG YUAN YU 105		Unknown		Not known	Not known	Not known	Not known	While LU RONG YUAN YU 105 is registered as one light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 105 with lift net type was seen at 42°27'N, 152° 5.8'E on 11 Oct 2016. LU	2020-08-11	IOTC NPFC
LU RONG YUAN YU 106		Unknown		Not known	Not known	Not known	Not known	While LU RONG YUAN YU 106 is registered as one light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 106 with lift net type was seen at 40°30.4'N, 149°	2020-08-11	IOTC NPFC
LU RONG YUAN YU 108		Unknown		Not known	Not known	Not known	Not known	While LU RONG YUAN YU 108 is registered as one light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 108 with lift net type was seen at 40°28.4'N, 149°28.1'E on 29 May	2020-08-11	IOTC NPFC
LU RONG YUAN YU 109		Unknown		Not known	Not known	Not known	Not known	While LU RONG YUAN YU 109 is registered as one light PS vessel in the NPFC list, the identical name with different vessel types were seen. LU RONG YUAN YU 109 with lift net type was seen at 40°25.1'N, 149°25'E on 29 May	2020-08-11	IOTC NPFC
LU RONG YUAN YU 787		Unknown		Not known	Not known	Not known	Not known	A Japanese patrol vessel sighted this fishing vessel was drifting in the Convention area at 39°49.7'N, 147°2.8'E on July 21 2017, and Japanese patrol aircraft sighted the same vessel anchored at 41°3.3'N, 150°22.1'E on August 2 2017. The	2020-08-11	IOTC NPFC
LU RONG YUAN YU 797		Unknown		Not known	Not known	Not known	Not known	A Japanese patrol aircraft sighted this fishing vessel in the Convention area was operating at 42°7.1'N, 151°40.9'E on July 7 2017. China flag was raised and "CHINA" was painted on the vessel	2020-08-11	IOTC NPFC
LU RONG YUAN YU YUN 958		Unknown		Not known	Not known	Not known	Not known	A Japanese patrol fishing vessel sighted this fishing vessel was drifting in the Convention area at 39°50.9'N, 147°4.3'E on July 21. The vessel raised China flag and the port of registry was Shidao.	2020-08-11	IOTC NPFC
MAAN YIH HSING		UNK/INC		UNK/INC	UNK/INC	UNK/INC	UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC

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Madura 2		Unknown									2020-08-11	GFCM ICCAT IOTC
Madura 3		Unknown									2020-08-11	GFCM ICCAT IOTC
Maria		Unknown									2020-08-11	GFCM ICCAT IOTC
MARIO 11		Senegal		6WMR				HSIN FEI Trading Investment Co. Ltd	HSIN FEI Trading Investment Co. Ltd	USA: the U.S. Coast Guard observed approximately 250 shark fins strung from lines throughout the vessel's decks. (former ICCAT Register Number: AT0005EN00031)	2021-04-05	ICCAT
MARWAN 1	AL WESAM 4,CHAICHANACHOKE 8	SOMALIA		UNK/INC (HSN5721)	UNK/INC		SOMLINK FISHERIES INVESTMENT (MARINE RENOWN SARL),UNK/INC			Contravention of IOTC Resolution 17/03/ Violation de la résolution de la CTOI 17/03	2020-08-12	ICCAT IOTC
Meillia No 101		Unknown		Panama							2020-08-11	GFCM ICCAT IOTC
Meillia No 103		Unknown		Panama							2020-08-11	GFCM ICCAT IOTC
Murtosa	Unknown	Unknown		Togo [NAFO/NEAFC]	Unknown (ZDBL)	7385174		Aveiro, Portugal (since 2005)		Last known location: Aveiro, Portugal	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC SEAFO

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Neptune			Unknown	Georgia							2020-08-11	GFCM IATTC ICCAT IOTC
New Bai   No. 168	Tai Yuan No. 227		Liberia								2020-08-11	GFCM ICCAT IOTC
NIKA			Panama		HP6686	8808654	Jiho Shipping Ltd			Fishing without authorisation (08 Jun 2019)	2020-12-31	CCAMLR
No 101 Gloria	Golden Lake		Unknown	Panama							2020-08-11	GFCM IOTC
No 2 Choyu			Unknown	Honduras							2020-08-11	GFCM ICCAT IOTC
No 3 Choyu			Unknown	Honduras							2020-08-11	GFCM ICCAT IOTC
Northern Warrior	Millennium, Sip 3		Angola	Curacao, Netherlands Antilles, South Africa, Belize, Morocco	PJSA	8808903		SIP (Areapescas S.A., Southern Trading Group, Snoek Wholesalers, South Atlantic Fishing NV, World Ocean Fishing SL, Orkiz Agro-Pecuaria - Pegasus Transportes E		Supporting IUU-listed vessels (03 Mar 2016)	2020-08-12	CCAMLR ICCAT IOTC SEAFO
NPFC 29 Unknown 2021-01			Unknown		Unknown		Unknown	Unknown		A Japanese trawl vessel sighted this fishing vessel indicating its vessel name "ZHOU YU 808" MMSI 412671880, in the Koko seamount area of Convention area at 36°44'N, 171°27'E on August 29, 2018, allegedly conducted fishing	2020-08-11	NPFC



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NPFC 30 Unknown 2021-02		Unknown		Unknown		Unknown		Unknown		A Japanese trawl vessel sighted this fishing vessel indicating its vessel name "ZHOU YU 809" MMSI 412401260, in the Koko seamount area of Convention area at 36°44'N, 171°27'E on August 29, 2018, allegedly conducted fishing	2020-08-11	NPFC
NPFC 34-unknown 2021-3										Violation of CMM2019-01(para5). A Japanese patrol vessel sighted this fishing vessel displaying the name LU RONGYUAN YU 581 鲁荣远渔 581 in the Convention area at 41°11.6'N, 174°17.7'W on July 15, 2020.	2021-05-03	NPFC
NPFC-35 Unknown 2021-4										Violation of CMM2019-01(para5). A Japanese patrol vessel sighted this fishing vessel displaying the name LU RONG YUAN YU 582 鲁荣远渔 582 in the Convention area at 41°11.4'N, 174°22.9'W on July 15, 2020. This	2021-05-03	NPFC
NPFC-36 unknown 2021-5										Violation of CMM2019-01(para5). A Japanese patrol vessel sighted this fishing vessel displaying the name LU RONG YUAN YU 197 鲁荣远渔 197 in the Convention area at 41°11.3'N, 174°20.3'W on July 15, 2020.	2021-05-03	NPFC
Ocean Diamond		Unknown									2020-08-11	GFCM ICCAT IOTC
OCEAN STAR No 2		Unknown	YURU6					Ming Shun Fishery Co LTD, Port Vila, Vanuatu	Ming Shun Fishery Co LTD	(Vanuatu (2016) / Bolivia (2012))(former ICCAT Register Number: AT000VUT00017). USA: sighting of tuna longline vessel in the Convention Area; not on ICCAT Record of Vessels; No valid Flag. Communicated via radio, vessel	2021-04-05	ICCAT
Orca		Unknown									2020-08-11	GFCM ICCAT IOTC
Oriente No 7		Unknown									2020-08-11	GFCM ICCAT IOTC

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Perlon	Cherne, Sargo, Haking, Bigaro, Lugalpesca	Unknown	Mongolia, Togo, Uruguay	5NTV21	5062479			Vakin S.A. (Jose Lorenzo SL, Americagalaica S.A.)	Sighted 58.5.1 (03 Dec 2002), Sighted 58.5.1 (04 Jun 2003), Sighted 58.4.2 (22 Jan 2004), Sighted 58.4.3b (11 Dec 2005), Fishing 58.4.1 (26 Jan 2006), Sighted 58.4.3b (07 Dec 2006), Sighted 58.4.1 (30 Dec 2006),	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO
Pescadsne 1, Pescadsne 2	Zemour 1, Kadei, Songhua, Yunnan, Nihewan, Huiquan, Wutaishan Anhui 44, Yangzi Hua 44, Trosky, Paloma V [CCAMLR]	Unknown	Mauritania, Equatorial Guinea, Indonesia, Tanzania, Mongolia, Cambodia, Namibia, Uruguay	9LU2119	9319856		Eastern Holdings.UNK/INC	Mabenal S.A. (Vidal Armadores S.A., Onunkete Fishing Pty Ltd, Gongola Fishing JV (Pty) Ltd, Eastern Holdings)	Supporting activities of IUU vessels 51 (16 May 2008), Sighted 58.4.3b (22 Apr 2009), Sighted 57 (07 Dec 2009), Fishing 58.4.1 (07 Apr 2010), Sighted 58.4.1 (29 Jan 2012), Sighted 58.4.1 (30 Jan 2012), Sighted 58.4.1 (31 Jan 2012),	2020-08-11	ICCAT SEAFO
Reynar 6		Unknown	Belize							2020-08-11	GFCM IATTC ICCAT IOTC
SAGE		Gambia		C5I82			Song Maw Fishery S.A., Calle 78E Casa No. 30 Loma alegre, San Francisco,Panamá	Song Maw Fishery S.A.	ref. IATTC	2021-04-05	ICCAT
Samudera Pasifik No. 18		Indonesia							Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-11	GFCM ICCAT IOTC
SAMUDERA PERKASA 11		UNK/INC		UNK/INC	UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
SAMUDRA PERKASA 12		UNK/INC		UNK/INC	UNK/INC				Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
Sea Urchin	Aldabra, Omoa I	Gambia	Tanzania, Honduras	5VAA2	7424891			Cecilbell Securities (Farway Shipping)	Fishing inside Division 58.4.4b (10 Nov 2006)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO

## ANNEX I

SEA VIEW	AL WESAM 2, CHAINAVEE 55	CAMEROON	DJIBOUTI, THAILAND/THAILANDE	UNK/INC (HSB3852)	8692342	UNK/INC (MARINE RENOWN SARL),UNK/INC		Contravention of IOTC Resolution 17/03/ Violation de la résolution de la CTOI 17/03	2020-08-12	ICCAT IOTC
SEA WIND	AL WESAM 1, SUPPHERMNAVEE 21	CAMEROON	DJIBOUTI, THAILAND/THAILANDE	UNK/INC (HSN5282)	8692354	UNK/INC (MARINE RENOWN SARL),UNK/INC		Contravention of IOTC Resolution 17/03/ Violation de la résolution de la CTOI 17/03	2020-08-12	ICCAT IOTC
Sharon 1	Manara I/Poseidon	Unknown	Libya						2020-08-11	GFCM ICCAT IOTC
SHENG JI QUN 3		UNK/INC		CPA 311	UNK/INC	Chang Lin, Pao-Chun, No. 161, San Min Rd. Yufu Village, Kaohsiung Cty, Chinese Taipei	Mr. Chen, Chen- Tsal,UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
SHUEN SIANG		UNK/INC		UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
SHUN LAI	HSIN JYI WANG NO. 6	UNK/INC		CPA 514	UNK/INC	Lee Cheng Chung, No. 5 Tze Wei Road, Kaohsiung, Chinese Taipei	Mr. Sun Han Min,UNK/INC	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
SIN SHUN FA 6		UNK/INC		UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
SIN SHUN FA 67		UNK/INC		UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC

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SIN SHUN FA 8		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC
SIN SHUN FA 9		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC
Southern Star 136	Hsiang Chang	Unknown	St. Vincent and the Grenadines	UNK/INC	UNK/INC			2020-08-11		GFCM ICCAT IOTC
SRI FU FA 168		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC
SRI FU FA 18		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC
SRI FU FA 188		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC
SRI FU FA 189		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC
SRI FU FA 286		UNK/INC		UNK/INC	UNK/INC		UNK/INC	2020-08-12	Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	ICCAT IOTC

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SRI FU FA 67		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
SRI FU FA 888		UNK/INC		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
STS-50	Ayda, Sea Breez 1, Andrey Dolgov, Std No. 2, Suntain No.2, Sun Tai No. 2, Shinsei Maru No. 2	Togo	Cambodia, Korea, Philippines, Japan, Namibia, Togo [CCAMLR]	5VDR2	8514772		Maruha Corporation (Taiyo Namibia, Taiyo Susan, Taiyo A & F Co. Ltd, Sun Tai International Fishing Corp, STD Fisheries Co. Ltd, Red Star Co. Ltd, Poseidon	Landing IUU catch (25 May 2016), Sighting in Area 57 (06 Apr 2017)	2020-08-11	CCAMLR GFCM ICCAT IOTC SEAFO		
Summer Refer	Okapi Marta	Unknown			7816472				2020-08-11	GFCM		
Ta Fu 1		Unknown							2020-08-11	GFCM IATTC ICCAT IOTC		
Tching Ye No 6	El Diria I	Unknown	Belize						2020-08-11	GFCM IATTC ICCAT IOTC		
TIAN LUNG NO.12		UNK/INC		UNK/INC		UNK/INC		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03	2020-08-12	ICCAT IOTC		
Trinity	Yucatan Basin, Exembre, Fonte nova, Jawhara [SEAFO /NAFO]	Unknown	Ghana, Panama, Morocco	Unknown (3EGV5, V3XB, H02933)	7321374			Last known location: Port in Tema, Ghana (Sep 2011)	2020-08-11	GFCM ICCAT IOTC NAFO NEAFC SEAFO		

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Wen Teng No 688	apparently changed to MAHKOIA ABADI No 196	Unknown	Belize							2020-08-11	GFCM IATTC ICCAT IOTC
XIN SHI JI 16	HSINLONG No. 5	Fiji		3DTN	7637527	Xin Shi Ji Fisheries Ltd. 346 Waimanu Road, Suva, Fidji	Xin Shi Ji Fisheries Ltd.	Contravention of IOTC Resolution 17/03/Violation de la résolution de la CTOI 17/03		2020-08-12	IOTC
XING HAI FEN	OCEAN LION	PANAMA	EQUATORIAL GUINEA	3FHW5	7826233	Ocean Lion Shipping S.A., Panama City, Panama	Ocean Lion Shipping S.A., Panama City, Panama	Contravention of IOTC Resolution 02/04, 02/05, 03/05/ Violation de la résolution de la CTOI 02/04, 02/05, 03/05.		2021-04-05	ICCAT IOTC
YI HONG 3		UNK/INC		UNK/INC	UNK/INC			Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03		2020-08-12	ICCAT IOTC
Yu Fong 168		Unknown	Chinese Taipei	BJ4786		Chang Lin Pao-Chun, 161 Sannin Rd., Liouciu Township, Pingtung County 929, Chinese Taipei		Contravention of IOTC Resolution 11/03/ Violation de la résolution de la CTOI 11/03		2020-08-11	GFCM ICCAT IOTC
Yu Maan Won		Unknown	Georgia					Fishing in the Exclusive Economic Zone of the Republic of the Marshall Islands without permission and in contravention of Republic of the Marshall Islands 's laws and regulations. (CMM 2007-03, para 3b). Contravention of		2020-08-11	GFCM ICCAT IOTC
YUANDA 6		Unknown		Not known	412356488		Not known	A Japanese patrol vessel sighted this vessel conducting fishing operation in the Convention area at 25°45'9N, 147°07'06E on April 15, 2019. This nameless vessel (assumed "YUANDA6" from the vessel's MMSI 412356488) was		2020-08-11	NPFC
YUANDA 8		Unknown			412365486		Not known			2020-08-11	NPFC

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YUTUNA 3	HUNG SHENG NO. 166	UNK/INC		CPA 212	UNK/INC	Yen Shih Hsiung, Room 11-E, No.3 Tze Wei Fort Road, Kaohsiung, Chinese Taipei	Mr. Lee, Shih-Yuan, UNK/INC	11/03/ Violation of IOTC Resolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
YUTUNA NO. 1		UNK/INC		CPA 302	UNK/INC	Tseng Ming Tsai, Room 11-E, No. 3 Tze Wei Fort Road, Kaohsiung, Chinese Taipei	Mr. Yen, Shih-Shiung, UNK/INC	Contravention of IOTC Resolution de la CTOI 11/03	2020-08-12	ICCAT IOTC
ZHE LING YU LENG 90055		Unknown		Not known	Not known	Not known	Not known	It was seen at 40 25.3'N, 149 13.2'E on 29 May 2016. (Port displayed on the vessel: Wenling; Vessel type: Carrier vessel; Tonnage: 600t) MMSI: 412000000/413202046	2020-08-11	IOTC NPFC
ZHE LING YU LENG 905		Unknown		Not known	Not known	Not known	Not known	It was seen at 42 45.6'N, 152 45.8'E on 24 Aug 2016. (Port displayed on the vessel: Wenling; Vessel type: Carrier vessel; Tonnage: 1000t) MMSI: 412000000/412000256	2020-08-11	IOTC NPFC
ZHEXIANG YU 23029		Unknown			412123526	Not known	Not known	A Japanese patrol vessel sighted this fishing vessel in the Convention area at 25°42'03"N, 147°11'02"E on April 15, 2019. This vessel apparently had just finished as the gear was wet, the vessel name, which was not registered on	2020-08-11	NPFC
ZHI MING		Mongolia		JVAW7		INTERA COMPANY SA (IMO Company No. 5942421), Suite 1203, 12th Floor, Ocean Business Plaza Building, Calle Aguilino de la Guardia y Calle 47 Este, Not known	INTERA COMPANY SA	Vessel suspected to have carried out IUU fishing activities in the Convention area, observed near the port of Shidao (CNSHD)	2021-04-05	ICCAT
ZHOU YU 651		Unknown		Not known	Not known	Not known	Not known	It was seen at 42 30'2N, 152 05'4E on 29 Sep 2016. (Port displayed on the vessel: Fungcheng; Vessel type: Lighted lift net vessel; Tonnage: 850t)	2020-08-11	IOTC NPFC
ZHOU YU 652		Unknown		Not known	Not known	Not known	Not known	It was seen at 42 48.9'N, 152 48.2'E on 7 Sep 2016. Port of registry was hidden by paint. (Vessel type: Lighted lift net vessel; Tonnage: 820t) MMSI: 42569986	2020-08-11	IOTC NPFC

## ANNEX I

ZHOU YU 653		Unknown			Not known	Not known	Not known	It was seen with LU RONG YU YUN 56219 and ZHOU YU 656 at 42 11.9'N, 151 14.6'E on 30 Sep 2016. (Port displayed on the vessel: Fungcheng; Vessel type: Lighted lift net vessel; Tonnage: 850t)	2020-08-11	IOTC NPFC
ZHOU YU 656		Unknown			Not known	Not known	Not known	It was seen with LU RONG YU YUN 56219 and ZHOU YU 656 at 42 11.9'N, 151 14.6'E on 30 Sep 2016. (Port displayed on the vessel: Fungcheng; Vessel type: Lighted lift net vessel; Tonnage: 850t)	2020-08-11	IOTC NPFC
ZHOU YU 657		Unknown			Not known	Not known	Not known	It was seen at 42 35.5'N, 152 6.7'E on 12 Sep 2016. (Port displayed on the vessel: Zhoushan; Vessel type: Lighted lift net vessel; Tonnage: 600t)	2020-08-11	IOTC NPFC
ZHOU YU 658		Unknown			Not known	Not known	Not known	It was seen at 40 12.3'N, 148 40.5'E on 29 May 2016 and at 42 46.7'N, 152 41.2'E on 7 Sep 2016. (Port displayed on the vessel: Zhoushan; Vessel type: Lighted lift net vessel; Tonnage: 600t)	2020-08-11	IOTC NPFC
ZHOU YU 659		Unknown			Not known	Not known	Not known	It was seen in the NPFC area on 2, 4, 13, 17 Jun and 7 Sep 2016. On 4 Jun the vessel name on the right side was hidden by paint. (Port displayed on the vessel: Zhoushan; Vessel type: Lighted lift net vessel; Tonnage: 600t)	2020-08-11	IOTC NPFC
ZHOU YU 660		Unknown			Not known	Not known	Not known	It was seen in the Japanese EEZ on 10 May 2016 and in NPFC area multiple times from May to Sep 2016. On 10 May the vessel showed Korean flag but changed the Korean to Japanese flag when the Japanese patrol vessel	2020-08-11	IOTC NPFC
ZHOU YU 661		Unknown			Not known	Not known	Not known	It was seen in the Japanese EEZ on 10 and 13 May 2016 and in NPFC area on 15, 29 May and 7 Sep 2016. The vessel names on the left and right side changed frequently (see the photos). The vessel showed Japanese flag in May. But	2020-08-11	IOTC NPFC



## Terms of Reference for an Independent Audit of SIOFA's data security

### Introduction

SIOFA is an intergovernmental organisation managing non-highly migratory fishery resources within the southern Indian Ocean. SIOFA is established by its constituent [treaty](#) and accountable to its decision-making body, the Meeting of the Parties.

The Secretariat is responsible for:

- (a) receiving and transmitting the official communications;
- b) facilitating the compilation and dissemination of data necessary to accomplish the objective of the Agreement;
- (c) preparing administrative and other reports for the Meeting of the Parties and the Scientific and Compliance Committees;
- (d) administering agreed arrangements for monitoring, control and surveillance and the provision of scientific advice;
- (e) publishing the decisions of and promoting the activities of the SIOFA and its subsidiary bodies; and
- (f) treasury, personnel and other administrative functions.

SIOFA manages a range of different fisheries [*insert links to public information on SIOFA fisheries*]. These fisheries are generally low effort fisheries with a small number of vessels participating. This creates challenges for the access, dissemination and presentation of fishery data to the SIOFA Meeting of the Parties and subsidiary bodies, and the broader public. SIOFA is seeking to ensure that commercially sensitive data remains protected and can be safely accessed for scientific and compliance purposes to ensure SIOFA fulfils its objectives.

Additionally, SIOFA is seeking two aspects: the first is to review the physical security of its data is protected against interference and other cyber threats; and the rules and procedures for access to, dissemination and presentation of data. SIOFA does not currently have an information security policy in place. The two consultancies are outlined below.

### Consultancy #1

SIOFA is seeking an independent audit(s) of its data security. This audit comprises two parts. This consultancy is for the first element: *Access, dissemination and presentation of data*

Consultants are able to work remotely for this work.

The consultant will:

- Identify the full range of SIOFA datasets summarising the databases' structure and their metadata

- Design a survey for key data users taking into consideration how they interact with data and their experiences interacting with the current data holdings and protocols
- Identify, and classify issues raised and the databases/datasets in which they do or are likely to occur
- Review the existing protocols for the access, dissemination and presentation of data (including: CMM 03/[2016](#) and any internally-developed procedures by the Secretariat. The consultant should also consider proven models from similar organisations, such as the Western and Central Pacific Fisheries Commission [rules](#) on the access and use of data, CCAMLR, SPRFMO, NAFO and IOTC)
- Document the approaches with particular attention to solutions addressing the transparency of documentation and processes involved in the data management.
- Provide advice and recommendations on improvement to these protocols, if needed, that are appropriate for SIOFA's needs and size. The consultant should give consideration to ISO/IEC 27002
- Consider options for the most appropriate way to aggregate data for presentation (taking into consideration temporal and spatial elements, and number of vessels. Options should include presentation at different scale eg day/year/month and set level, 1x1, 5x5 and 10x 10).
- Provide draft security standards for the Secretariat and SIOFA Contracting Parties, cooperating non-Contracting Parties and participating fishing entities (collectively 'CCPs') for the use and presentation of data and annual summaries.
- Prepare a workplan aiming at optimizing the access, dissemination and presentation of data showcasing the benefits of the proposed recommendations

### Consultancy #2

SIOFA is seeking an independent audit(s) of its data security.

This consultancy is for the first element: *Physical security*

Consultants must be able to visit the Secretariat premises to undertake this consultancy, but are able to complete the work remotely for this work.

#### *Physical security*

The consultant will

- Investigate the physical security of the system (including cloud-based systems) including: technical weaknesses in the security infrastructure, security risks, maintenance of confidential data, software-based security measures and user access of the database
- Consider the different sources of data (logbook, observer, VMS) and options to mitigate any security risks in the transmission of that data.
- Review how, when and where data is stored and backed up
- Information and data classifications
- Consider:
  - lines of responsibility and control
  - access authorization
  - user account approval
  - account creation and termination

- user identification and authentication
- core systems application administration, including roles of Secretariat staff
- email and webmail
- use and accountability for SIOFA Secretariat ICT assets
- monitoring and reporting
- user needs (both Secretariat and CCPs)
- Provide best security practises to implement at SIOFA's Secretariat
- Recommend any building, hardware, software and database upgrades as necessary.
- Prepare an information security policy for SIOFA's consideration

*Timeframe*

*The consultant is required to provide a Draft Report to the Scientific Committee meeting in 2022 (due 15 February 2022).*

*The Consultant will take into account any feedback or concerns and provide a Revised Draft Report to the Compliance Committee and Meeting of the Parties in June 2022.*

All tenders must be submitted via email and received by the [date] Reunion time.

No late submissions will be considered.

Requests for additional information relating to this consultancy and submissions of bids should be directed to: [insert]

**CMM 2019/02<sup>1</sup>****Conservation and Management Measure for the Collection, Reporting, Verification and Exchange of Data relating to fishing activities in the Agreement Area (Data Standards)****The Meeting of the Parties to the Southern Indian Ocean Fisheries Agreement;**

*RECALLING* that Article 6(1) (f) of the *Southern Indian Ocean Fisheries Agreement* (the Agreement) calls on the Meeting of the Parties to develop rules for the collection and verification of scientific and statistical data, as well as for the submission, publication, dissemination and use of such data;

*FURTHER RECALLING* that Articles 10(1)(c) and 11(3) set out the duties relevant to the collection and provision of data and related processes for Contracting Parties and flag [CCPsStates](#) respectively;

*RECOGNISING* the importance of developing comprehensive arrangements for data collection, reporting, verification and exchange of data to assist the Scientific Committee in performing its functions as outlined in Article 7 of the Agreement;

*NOTING* the relevance of Articles 10(e) and 14 of the *Agreement for the Implementation of the Provisions of the United Nations Convention on the Law of the Sea of 10 December 1982 relating to the Conservation and Management of Straddling Fish Stocks and Highly Migratory Fish Stocks* (UNFSA) which call on States to cooperate through regional fisheries management organisations to agree on the standards for the collection, reporting, verification and exchange of data on fisheries for the stocks, and the specifications and format for the data to be provided and to cooperate in their scientific research;

*CONSIDERING* the provisions set forth in the *Resolution on data collection concerning the high seas in the Southern Indian Ocean*, adopted by the Conference on the Southern Indian Ocean Fisheries Agreement in the Seychelles from 13-16 July 2004;

*NOTING* the importance of data collection and catch reporting for the purposes of ensuring scientific stock assessment and implementing an ecosystem approach to fisheries management;

*NOTING* the recommendation by the Third meeting of the Scientific Committee to improve the collection of sharks catch information and the submission of scientific observer data; and

*FURTHER NOTING* that the Meeting of Parties has adopted policies and procedures for the maintenance of data confidentiality (CMM 2016/03);

***ADOPTS* the following conservation and management measure (CMM) in accordance with Article 6 of the Agreement:**

**Application**

1. This CMM applies to all Contracting Parties, cooperating non-Contracting Parties and

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<sup>1</sup> CMM 2019/02 (Data Standards) supersedes CMM 2018/02 (Data Standards)

participating fishing entities (CCPs).

2. This CMM prescribes the standards for the collection, reporting, verification and exchange of data related to fishing activities by vessels fishing in the SIOFA Area of Application (the Agreement Area) that are flying the flag of a CCP.

These data standards shall assist the Meeting of the Parties to fulfil its objectives under the Agreement insofar as it relates to assessing the state of the fisheries within SIOFA's competence, including the status of target and non-target species and the impact of fishing on the marine environment.

### **Terminology**

3. The following definitions apply to this CMM including its annexes:
  - a. 'other species of concern' means those species as may be defined by the Scientific Committee from time to time.
  - b. 'National Report' means the report defined in paragraph-9 of this CMM.

### **Vessel Catch and Effort Data**

#### *Collection of data*

4. CCPs shall ensure that data on fishing activities, including for target, non-target and associated and dependent species such as marine mammals, marine reptiles, seabirds or 'other species of concern', are collected from vessels flying their flag that are fishing in the Agreement Area in accordance with the relevant sections of Annex A.
5. ~~CCPs shall collect vessel catch and effort data on a haul-by-haul basis. The Scientific Committee shall, by no later than the ordinary meeting of the Scientific Committee in 2019, provide advice and recommendations to the Meeting of the Parties on an appropriate spatial resolution for the collection and reporting of data to facilitate effective stock assessment. Until the Meeting of the Parties, based on the advice of the Scientific Committee, determines an appropriate spatial resolution for the collection and reporting of data, CCPs shall ensure that data are collected on a haul by haul basis.~~

#### *Data collection and submission*

6. CCPs shall report to the Secretariat, by 31 May each year, the data collected under paragraphs 4 and 5 for the previous calendar year, in accordance with the format prescribed in the corresponding annexes.
7. CCPs shall provide to the Secretariat, by 31 May each year, annual catch summaries for all species/groups caught in the Agreement Area during the previous calendar year. The catch summaries shall include the following information:
  - a. Calendar year (eg 2015)
  - b. FAO statistical area (eg FAO87)
  - c. Species/group name (common name and scientific name)
  - d. Species/group code (FAO3-alpha code 19, EG ORY) (if available)
  - e. Annual catch total - tonnes raised to 'live' weight.
8. To assist in data collection CCPs shall implement on-board all fishing vessels flying their flag

the FAO Identification guide to the deep-sea cartilaginous fishes of the Indian Ocean<sup>2</sup>. Where available the use of Smartforms may be considered.

### *National report*

9. Following the entry into force of this CMM, CCPs shall provide to the Scientific Committee, at least 30 days prior to the commencement of each ordinary meeting, an annual National Report of their fishing, research and management activities in accordance with the following:
  - a. For the first report: the National Report shall include details of activities of the previous five calendar years;
  - b. For all reports thereafter: the National Report shall include details of activities of the previous calendar year; and
  - c. In either case, the National Report shall take into account the guidelines prepared by the Scientific Committee for the preparation of such reports.

### *Historical Data*

10. To assist with the development of a bottom fishing footprint and stock assessments, each CCPassessments, CCPs shall provide ~~to the Secretariat with all, by 31 January 2018~~ historical catch and, effort, and, if available, observer data ~~for from~~ vessels flying their flag and that were fishing in the Agreement Area at any time during ~~the~~ period 2000-~~to~~ 2015, and any previous years where available, in accordance with annex A and annex B to the extent applicable. a format as close as is possible to the annexes to this CMM. The catch, effort and, if available, observer data provided to the Secretariat may initially be provided as unverified data, and updated with verified data any time before 31 January 2018. Any State or fishing entity that becomes a Party to the Agreement, a CNCP or PFE after the date this CMM is adopted shall provide their historical data to the Secretariat within 12 months of becoming Party to the Agreement, or becoming a CNCP or PFE.
11. Where possible, CCPs are encouraged to provide relevant, reliable historical data for species caught in waters under their national jurisdiction where such information would assist in understanding the status of the stocks and the impacts of fishing on all target species, non-target and associated and dependent species and the marine environment within the Agreement Area.

### **Scientific Observer Data**

12. All CCPs shall implement national scientific observer programs to collect from activities undertaken by vessels flying their flag:
  - a. Vessel information, effort and catch data for its fishing activities in the Agreement Area, including target, non-target and associated and dependent species including marine mammals, marine reptiles, seabirds or 'other species of concern';
  - b. Biological or other data and information relevant to the management of fishery resources in the Agreement Area, as specified in this CMM, or as identified from time to time by the Scientific Committee or through processes identified by the Meeting of the Parties; and

<sup>2</sup> Ebert, D.A. and Mostarda, E. 2013. Identification guide to the deep-sea cartilaginous fishes of the Indian Ocean, FishFinder Programme, FAO, Rome. 76 p

- c. Relevant scientific information related to the implementation of the provisions of the CMMs adopted by the Meeting of the Parties.
13. The function and tasks of the scientific observer are described in Annex D.
  14. CCPs shall, through their National Report, provide to the Scientific Committee an annual observer programme implementation report which should include [summary](#) sections covering: observer training, programme design and coverage, type of data collected, and any problems encountered during the previous calendar year.
  15. CCPs shall, for all observed trips, collect observer data in accordance with the relevant sections of Annex B. All observer data collected by CCPs shall be reported to the Secretariat by 31 May each year for the previous calendar year. [Annex B will be reviewed by the Scientific Committee at its ordinary meeting in 2020 based on observer data provided.](#)
  16. By 2023, the Scientific Committee shall develop and adopt a template for the observer reports, and a template for an observer data collection form that may be used by observers in subsequent years.
  17. By 2023, the Meeting of the Parties, based on recommendations from the Scientific Committee and the Compliance Committee shall adopt a SIOFA framework for scientific observation clarifying all the aspects related to the role.

### Data Verification

18. CCPs shall:
  - a. ensure that fishery data are verified through an appropriate system of data verification mechanisms;
  - b. develop, implement and improve data verification mechanisms, which may include:
    - i. Position verification through vessel monitoring systems;
    - ii. Independent monitoring, including scientific observer programs and approved electronic observer programs,<sup>3</sup> to verify industry data on catch, effort, catch composition (target and non-target), discards and other details of fishing operations;
    - iii. Vessel trip, landing and transshipment reports; and
    - iv. Port sampling.
  - c. provide to the Scientific Committee, through their National Report, an annual data verification report which should provide information regarding their development and implementation of data verification mechanisms.

### Format for data submission

19. CCPs shall report all data required to be reported by this measure to the Secretariat in accordance with the formats described in this CMM, including its annexes.
20. Specifications for the submission of data:
  - a. times, [latitudinal](#) /longitudinal/[latitudinal](#) information and units of measure are to be reported in accordance with the format described in Annex C;
  - b. Species are to be described using the FAO 3 letter Species Codes;<sup>4</sup>

<sup>3</sup> Approved electronic observer programs refers to those programs that meet the SIOFA agreed standard and have been reviewed by the Scientific Committee and approved by the Meeting of the Parties as being capable of meeting the data requirements in this CMM.

<sup>4</sup> [www.fao.org/fi/statist/fisoft/asfis/asfis.asp](http://www.fao.org/fi/statist/fisoft/asfis/asfis.asp)

- c. Fishing methods are to be described using the International Standard Classification of Fishing Gear (ISSCFG - 29 July 1980) codes;<sup>5</sup> and
- d. Types of fishing vessels are to be described using the International Standard Classification of Fishery Vessels (ISSCFV) codes.<sup>6</sup>

**Review**

21. This CMM should be reviewed periodically by the Scientific Committee and the Meeting of the Parties, taking into account new information or data requirements as may be decided.

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<sup>5</sup> <http://www.fao.org/fishery/cwp/handbook/M>

<sup>6</sup> <http://www.fao.org/fishery/cwp/handbook/L>



## **Standards for the Collection, Reporting, Verification and Exchange of Data Annexes**

### **List of Annexes:**

**Annex A - Vessel Catch and Effort Data**

**Annex B - Observer Data**

**Annex C - Specifications for the Exchange of Data**

**Annex D - Function and tasks of the scientific observer**

**[Annex E - Protocol for documenting whale interaction in deep-sea demersal longline fisheries](#)**

## Annex A

## Vessel Catch and Effort Data

1. Contracting Parties, CNCPs and PFEs shall ensure that the following data on fishing activities are collected ~~from all fishing vessels flying their flag~~ in the Agreement Area:

For all demersal fishing vessels flying their flag:

**Data Set - Fishing activities General (Trip)**

Vessel flag CCPState (ISO 3-apha)

Name of vessel

International radio call sign (if any)

Vessel Registration number (flagCCPflag-State)

Lloyd's / IMO / IHS Fairplay Number (if allocated)

Vessel size: Gross Tonnage (Gross register tonnage may be used if GT is not available, or both)

Name of person filling in the data

**Weight Conversion Factor**

Species

Processing type

Conversion factor = live weight/processed weight

**Haul Information**

Intended Target species (FAO code)

Type of fishing (C)ommercial; (R)esearch; (S)urvey data

Haul ID number

**Set Start date and Time** (Based on Coordinated Universal Time (UTC))

Recorded at start and end of fishing

For longline vessels - record at start and end of setting, in addition to start and end of haul

Date format (YYYY.MON.DD)

Time format (hh.mm)

~~Decimal degrees (WGS84 are to be used to describe locations)~~

**Position at start and end of fishing**

Latitude

Longitude

~~Use N and S rather than + and - Use E and W rather than + and -~~

For longline vessels:— position is recorded at the start and end of setting

For ~~Trawl fishing - for~~ bottom trawl fishing: "start" is defined as when the groundrope first touch is on the bottom, and "end" is when the ground rope leaves the bottom at the beginning of hauling~~tow ends~~.

~~For - for~~ midwater trawl "start" is defined as when the fishing gear is at target fishing depth, "end" is when the tow ~~ends-haul begins~~.

For handline fishing, record the position of the vessels at the start and at the end of the fishing operation~~ends~~.

**Bottom Depth (m)**

As recorded at the start and end of fishing

**Fishing / gear depth (m)**

As recorded at the start and end of fishing

For trapping/potting, Actual Fishing / gear depth (m) as recorded at start is required

**Species retained**

Estimated catch retained on board by <u>taxa</u> species (FAO species/group code/scientific name) in <u>greenweight</u> / <del>live-weight</del> (kg)
<b>Species Discarded</b> An estimation of the amount of living marine resources discarded by <u>taxa</u> species if possible in <u>green</u> <del>live</del> weight (kg)
<b>Incidental bycatch of marine mammals, seabirds, reptiles and 'other species of concern'</b> Yes / No For each species caught <ul style="list-style-type: none"> <li>• <u>Taxa</u>Species name</li> <li>• Number alive</li> <li>• Number dead or injured</li> </ul>

For all pelagic fishing vessels targeting SIOFA species flying their flag:

<b><u>Data Set - Fishing activities General (Trip)</u></b> <u>Vessel flag CCP (ISO 3-apha)</u> <u>Name of vessel</u> <u>International radio call sign (if any)</u> <u>Vessel Registration number (flag StateCCP)</u> <u>Lloyd's / IMO / IHS Fairplay Number (if allocated)</u> <u>Vessel size: Gross Tonnage (Gross register tonnage may be used if GT is not available, or both)</u> <u>Name of person filling in the data</u>
<b><u>Weight Conversion Factor</u></b> <u>Species</u> <u>Processing type</u> <u>Conversion factor = live weight/processed weight</u>
<b><u>Haul Information</u></b> <u>Intended Target species (FAO code)</u> <u>Type of fishing (C)ommercial; (R)esearch; (S)urvey data Haul ID number</u>
<b><u>Set Start date and Time (Based on Coordinated Universal Time (UTC))</u></b> <u>Recorded at start of fishing</u> <u>Date format (YYYY.MON.DD)</u> <u>Time format (hh.mm)</u> <u>Decimal degrees (WGS84 are to be used to describe locations)</u>
<b><u>Position at start of fishing</u></b> <u>Latitude</u> <u>Longitude</u>
<b><u>Species retained</u></b> <u>Estimated catch retained on board by taxa (FAO species/group code/scientific name) in live weight (kg)</u>
<b><u>Species Discarded</u></b> <u>An estimation of the amount of living marine resources discarded by taxa if possible in live weight (kg)</u>
<b><u>Incidental bycatch of marine mammals, seabirds, reptiles and 'other species of concern'</u></b> <u>Yes / No</u> <u>For each species caught</u> <ul style="list-style-type: none"> <li>• <u>Taxa name</u></li> <li>• <u>Number alive</u></li> </ul>

<sup>7</sup> Green weight means fresh and unprocessed weight.

• <u>Number dead or injured</u>
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2. Contracting Parties, CNCPs and PFEs shall ensure that the following gear-specific data on fishing activities, as applicable, are collected from all fishing vessels flying their flag in the Agreement Area.

<b>Data Set - Gear</b>
<b>Trawl</b> <a href="#">Cod end mesh</a> Mesh Size (mm) Trawl technique: Type of trawl: (S)ingle, (D)ouble or (T)rippler <del>iple</del>
<b><a href="#">Demersal Longline</a></b> Type of longline (Spanish, Trotline, Autoline) <a href="#">Total length (m)</a> Type of bait Hook size (mm) Hook spacing (m) Hook code or make Length of line (m) Number of hooks set Number hooks per cluster (if Trotline) Number of hooks lost (attached to lost sections of line)
<b><a href="#">Pelagic Longline</a></b>  <a href="#">Total length (m)</a> <a href="#">Total number of hooks in the set</a> <a href="#">Number of hooks between floats</a> <a href="#">Number of light-stick used in the set</a> <a href="#">Type of bait used in the set</a> <a href="#">Sea surface temperature at noon</a> <a href="#">(Length of floating line)</a>  <a href="#">(Length of branch line)</a>  <a href="#">(Distance between branch lines)</a>
<b>Trap/Pot</b> Pot type Type of line: Dropline or longline Length of line (m) Pot spacing (m) Number of pots set Number of pots lost Type of bait
<b>Dahn/Drop Line/ <a href="#">Handline</a></b> Total number of hooks in the set <a href="#">Total number of line lifts in the set</a>  Number of hooks lost Hook code or make Type of leader used <del>Total number of line lifts in the set</del> Type of bait used

**Handline****Number of fishermen involved****Number of line lifts per fisherman****Number of hooks per line**

## Annex B

## Observer Data

1. Contracting Parties, CNCPs and PFEs shall, for all observed trips, collect and provide to the Secretariat the data contained in this Annex in accordance with the format set out below.
2. Contracting Parties, CNCPs and PFEs shall, where appropriate, ensure that observers are briefed and provided with documented length-frequency and biological sampling protocols and the specific priorities for the trip for the sampling activities documented below.
3. Contracting Parties, CNCPs and PFEs shall ~~endeavour~~ to collect tissue, otolith and/or stomach samples in accordance with any research programs developed by the Scientific Committee.

<b>Data Set - Observer data</b>
<b>Trip Details</b>  Trip Number Cruise details (start and end dates - YYYY.MON.DD) Date report is generated (UTC) Current vessel flag <del>CCP</del> State (ISO 3-apha) Name of vessel
<b>Observer Details</b>  Observer name and ID Nationality (ISO 3-apha) Employing organisation Contact name in organisation (Address/email/fax) Boarding location (UNLOCODE, if applicable or Latitude/Longitude) Boarding Date (UTC:YYYY.MON.DD) Disembarkation location (UNLOCODE, if applicable or Latitude/Longitude) Disembarkation date (UTC:YYYY.MON.DD) Time Zone (UTC +/-)
<b>Length Frequency Data</b>  Representative and randomly sampled length-frequency data shall be collected for the target species (FAO species code)  <del>Optional: Representative and randomly sampled length-frequency data shall be collected for other main by-catch species.</del> Length data shall be collected and recorded at the most precise level appropriate for the species (cm or mm and whether to the nearest unit or unit below) and the type of measurement used (total length, fork length, or standard length) shall also be recorded.  Where possible, total weight of length-frequency samples should be recorded, or estimated and the method of estimation recorded

Where possible, Observers should determine and record sex of measured fish to generate length-frequency data stratified by sex

Where possible, representative and randomly sampled length-frequency data should shall be collected for other main by-catch species

### **Biological Sampling**

Species

Length (mm or cm) and ), with record of the type of length measurement used.

Skates and rays:

- Maximum~~maximum~~ disk width shall be measured

Sharks

- Appropriate length measurement to be used should be selected for each species. As a default, total length should be measured.

Weight (kg)

Sex (male, female, immature (optional), unsexed (optional))

Maturity stage (optional) and criteria/schedule used (optional)

Gonad weight (g) (optional)

Otoliths

### **Incidental bycatch of seabirds, mammals, turtles or 'other species of concern'**

The following data shall be collected for all seabirds, mammals, turtles and other species of concern caught in fishing operations as much as possible:

- Species (identified taxonomically as far as possible, or accompanied by photographs if identification is difficult) and size
- Estimated species abundance around fishing vessel
- Species interactions with fishing gear
- Count of the number of each species caught per tow or set
- Fate of bycatch animal(s) (retained or released/discarded)
- If released, life status (vigorous, alive, lethargic, injured, dead) upon release
- If injured, what was the cause of injury?
- If dead, then collect information or samples for onshore identification in accordance with pre-determined sampling protocols. Where this is not possible, observers may be required to collect sub-samples of identifying parts, as specified in biological sampling protocols
  - o Record the type of interaction (hook/line entanglement/warp strike/net capture/other) if other, describe
- Sex of each individual for taxa where this is feasible from external observation, e.g. pinnipeds, small cetaceans or Elasmobranchii species
- identify any circumstances or actions that may have contributed to the bycatch event? (E.g. tori line tangle, high levels of bait loss)

### Tag releases

The following data shall be reported for all tagged fish, seabird, mammal or reptile

Tag type, wording and colour

Tag number

Date and time of tagging

Species



Animal length  
Type of length  
Animal sex (F=female, M=male, I=indeterminate, D=not examined)

Position (Lat/Lon) of release  
Animal status at release (injured/uninjured)

### **Tag Recoveries**

The following data shall be collected for all recovered fish, seabird, mammal or reptile tags if the organism is dead, to be retained, or alive:

- Name of observer
- Name of vessel
- International radio call sign (if any)
- Vessel flag CCPState (ISO 3-apha)
- Collect, label (with all details below) and store the actual tags for later return to the tagging agency
- Species from which tag recovered
- ~~Tag colour and type (spaghetti, archival)~~
- Tag wording and type of tag (spaghetti, archival)
- Tag numbers
- Date and time of capture (UTC)
- Location of capture (Lat/Lon, to the nearest 1 minute)
- Animal length / size (cm or mm) with description of what measurement was taken (such as total length, fork length, etc)
- Sex (F=female, M=male, I=indeterminate, D=not examined)
- Whether the tags were found during a period of fishing that was being observed (Y/N)

### **Hierarchies for Observer Data collection**

#### **Fishing Operation Information**

All vessel and tow / set / effort information.

#### **Reporting of Catches**

Record time, weight of catch sampled versus total catch or effort (e.g. number of hooks), and total numbers of each species caught

Identification and counts of seabirds, mammals, reptiles (e.g. turtles), sensitive benthic species and vulnerable species

Record numbers or weights of each species retained or discarded Record instances of depredation, where appropriate

#### **Biological Sampling**

Check for presence of tags

Length-frequency data for Target species (FAO species code)

Basic biological data (sex, maturity) for Target species (FAO species code)

Length-frequency data for main by-catch species

Otoliths (and stomach samples, if being collected) for Target species (FAO species code)

Basic biological data for by-catch species

Biological samples of by-catch species (if being collected)

Take photos

**For trawl fishing activities ONLY**

***Gear details***

Net ID  
 Net type (ISSFCV)  
 Headrope length (m)  
 Groundrope length (m)  
 Bobbin diameter (cm)  
 Otterboard to wing length (m)  
 Horizontal Opening (m)  
 Vertical Opening (m)

***Codend mesh***

Mesh size (cm),  
 -codend circumference (cm),  
 Orientation  
 Mesh type (diamond, square, etc)

***Otterboard***

Type, weight (kg)

***Net design***

Net design description including make, model etc

***Trawl details***

Trawl Number  
 Gear  
 Trawl type: Research or Commercial (R/C)  
 Observed (Yes/No)  
 Target Species (FAO species code)  
 Date Start (YYYY.MON.DD)  
 Date Finish (YYYY.MON.DD)  
 Time net deployed (hh:mm)  
 Time net retrieved (hh:mm)

***Start and End Fishing***

For ~~Trawl fishing~~ ~~for~~ bottom trawl "start" is defined as when the groundrope is on the bottom, "end" is when the ~~hauling starts~~ ~~tow ends~~.  
~~For~~ ~~for~~ midwater trawl "start" is defined as when the fishing gear is at target fishing depth, "end" is when the ~~hauling starts~~ ~~tow ends~~.  
 Time (hh:mm)

Latitude  
 -Longitude  
 -Trawl Depth (m)  
 Bottom Depth (m)

***Other***

Offal discharged during shooting (Y/N)

Offal discharged during hauling (Y/N)

Trawl speed (knots)

Horizontal opening (m)

Total catch (kg)

***Observed catch composition***

Observer ID

Was Haul observed for fish/invertebrate by-catch (Y/N):

Record the total weight of all sub-samples for this shot (kg):

***Species***

FAO species code

Scientific name

~~Estimated~~~~Total~~ retained catch weight (kg) [or number of individuals](#)

~~Estimated~~~~Total~~ discarded catch weight (kg) [or number of individuals](#)

***Bycatch mitigation measures employed:***

Were bird scaring (tori) lines in use? (Yes/No)

Were bird bafflers in use? (Yes/No)

***Trawl warp strike (to be monitored for 15 minutes immediately after the net has been deployed).(optional)***

Trawl number (optional)

Name of observer (optional)

Start observation time (hh:mm) (optional)

End observation time (hh:mm) (optional)

***Number of heavy warp strikes (record for Albatross, Giant Petrels, White chinned petrels, Other petrels)***

Air

Water

Sinker

***Seabird abundance observation***

Seabirds present in observation area (y/n)

Estimated numbers of abundance (by species)

***For Longline fishing activities ONLY***

***Longline Description***

Longline Type (FFSSCV)

Period in which the gear was used (YYYY.MON.DD)

Start and end date (YYYY.MON.DD)

Target Species (FAO species code)

***Main Line***

Material

Diameter (mm)

Integrated ~~weight~~ Wt (g/m)

### **Branch Lines**

Material

Length (M)

Spacing (m)

### **Hooks**

Type (e.g.: J shaped, Circular, etc.) ~~Type~~

Make

Size (inch)

Total length (mm)

Shank (mm)

Gape (mm)

Throat (mm)

Front length (mm)

Usual setting position

Line off bottom (m) (optional for pelagic longline)

Hooks off bottom (m) (optional for pelagic longline)

Method of baiting (manual/automatic)

Automatic baiting equipment (make and model)

### **Hook sinkers**

Size (g)

Position from hook (mm)

Offal dumping position (port, starboard, stern)

Longline ~~longline~~ setting position (port, starboard, stern)

Offal dumping during hauling (never, occasionally, always)

Propeller rotation direction (clockwise/anti-clockwise)

Detail the weight and distance between the line weights for the longline system used

Single (Auto) Line (kg:m)

Double (Spanish) Line (kg:m)

Trotline (vertical droppers/trots attached to a mainline) (kg:m)

### **General Streamer Line Description**

Vessel equipped with a streamer line (y/n)

Number of streamer lines regularly set

Streamer line position (port, starboard, stern)

Streamer line length (m)

Streamer length min/max (m)

Attached height above water (m)

Distance between streamers (m)

Number of streamers

Streamer design (single or paired)

Aerial extent of line (m)

Method used to assess aerial extent

Streamer material

Streamer line diameter (mm)

Streamer colours

Streamer line over bait entry position? (y/n/u)

Distance from stern to bait entry point (m)

Towed object (Y/N)  
Horizontal distance from bait entry point to streamer line (m)

***Daily setting observations***

Set Number (as referenced in catch and effort log)  
Set Type: Research or Commercial (R/C)  
Longline Type Code (FSSCV)  
Trotline cetacean exclusion device used (Y/N)  
Date of observation (YYYY/MON/DDy)

***Setting information***

Vessel setting speed (knots)  
Number sets unobserved since last set

***Start and End setting for each haul***

Date (YYYY/MON/DD)  
Time (hh:mm)  
Latitude  
Longitude  
Bottom Depth (m)  
Total length of longline set (km)  
Total number of hooks for the set

***For each Observation***

Start date (YYYY.MON.DD)  
Start time (hh:mm)  
End date (YYYY.MON.DD)  
End time (hh:mm)

***Details of Longline Setting***

Main line length (m)  
Number of hooks set  
Number of Baskets/Magazines Set  
Number of hooks per Basket/Magazine  
Percentage hooks baited  
Distance between branches (m)  
Distance of hooks off bottom (m) [\(optional for pelagic longline\)](#)  
Bait species (FAO species code)  
Deck lights during setting (On, Off)  
Streamer lines used (Yes, No)  
Number of streamer lines used Offal dumping during setting (Yes, No)  
Bait entry position (Port, Starboard, Stern)

***Daily hauling observations***

Set number  
Date of observation (YYYY.MON.DD)

***Hauling Information***

Number of hooks observed for seabird and fish by-catch (tally period) Offal dumped during hauling (Yes / No)

### Interactions with marine mammals

Data is to be collected in accordance with the protocol set out in annex E. For each haul and each species of depredating whales (killer whales *Orcinus orca* and sperm whales *Physeter macrocephalus*):

- Priority 1 data to be collected include:

1. Presence/absence data: Presence / Absence / Not observed;
2. When presence, photo-identification data: photographs of specific body parts (for killer whales: dorsal fin, saddle patch and eye patches; for sperm whales: tail flukes) visible when whales come to the surface.

- Priority 2 data to be collected include:

1. Estimates of the number of individuals present around the vessel in the vicinity of the fishing gear.

- Priority 3 data to be collected include:

1. Information about whether or not whales interact with the gear;
2. Estimate of the time of arrival of whales in the vicinity of the gear.

### **Gear lost**

Number of sections lost

Number of hooks lost that were attached to lost sections of the longline  
Number of other hooks lost (excluding hooks attached to lost sections)

### **Observed catch composition**

Was Haul observed for fish/invertebrate by-catch (Y/N):

Estimate percentage of the haul observed for by-catch (%)

### **Species**

Species code (FAO species code)

Total retained catch weight (kg) or total number

Total discarded catch weight (kg) or total number

### **Species Retained**

Observed number retained Observed number retained with tags

### **Species Discarded**

Observed number discarded

Observed number discarded dead

-Observed number discarded alive

### **Species Lost**

Observed number lost/dropped off at surface

### Specimen cut off (if possible)

Yes / No

For each species caught

- Taxa name
- Number alive

• Number dead or injured

### **For Trapping/Potting Fishing Activities ONLY**

#### ***Gear type***

pot type (with drawing)  
mesh size (mm)

#### ***Funnel position***

Orientation~~orientation~~

Aperture~~aperture~~ (cm)

Number~~number~~ of chambers

Escape port present (y/n)

Dimensions~~dimensions~~ (cm) of escape port

#### ***Processing Details and Conversion Factors (CF)***

Haul Number

Name of observer

Species Code (FAO species code)

Processing Code

Length Range (Mininum Maximum)~~Min~~

Max

Number of individuals

Live Weight (kg)

Processed Weight (kg)

Grade

Conversion Factor

#### ***Set and haul details***

Set Number

Date of observation YYYY.MON.DD)

Set Type: Research or Commercial (R/C)

Target species (FAO species code)

Offal dumped during setting (Yes / No)

Offal dumped during hauling (Yes / No)

#### ***Start and End setting. Repeat for hauling***

Date (YYYY.MON.DD)

Time (:mm)

Latitude

Longitude

Bottom~~bottom~~ depth (m)

#### ***Gear Details***

Length of line (m)

Type of line Pot spacing (m)

Bait type

#### ***Setting***

~~Number~~~~number~~ of pots set  
~~Number~~~~number~~ of pots observed

### ***Hauling***

number of pots hauled  
 number of pots observed

### ***Observed interactions with birds or marine mammals***

Species Code (FAO species code)

### ***At Setting***

Abundance (500m radius)  
 Gear interaction (y/n)

### ***At Hauling***

Abundance (500m radius)  
 Gear interaction (y/n)

### ***Observed catch composition***

Name of observer  
 Was Haul observed for fish/invertebrate by-catch (Y/N):  
 Estimate percentage of the haul observed for by-catch (%):

### ***Number of pots observed for by-catch:***

Species Code (FAO species code)  
~~Total~~~~total~~ retained catch weight (kg)  
~~Total~~~~total~~ discarded catch weight (kg)

### ***Species Retained***

~~Observed~~~~observed~~ number retained  
~~Observed~~~~observed~~ number retained with tags

### ***Species Discarded***

~~Observed~~~~observed~~ number discarded  
~~Observed~~~~observed~~ number discarded dead  
~~Observed~~~~observed~~ number discarded alive

### ***Species Lost***

~~Observed~~~~observed~~ number lost/dropped off at surface

For Dahn/Drop ~~lining~~~~activity~~~~lining~~/~~Handline fishing activity~~ ONLY

### ***Dahn/Dropline Description***

Line Type  
 Period in which the gear was used (YYYY.MON.DD) Start and  
 end date  
 Target species (FAO species code)

### ***Main Line***

Material



Diameter (mm)  
Integrated Wt (g/m)

### **Hooks**

Type (e.g.: J shaped, Circular, etc.)Type

Make

Size (inch)

Total length (mm)

Shank (mm)

Gape (mm)

Throat (mm)

Front length (mm)

Usual setting position

Line off bottom (m)

Hooks off bottom (m)

Method of baiting (manual/automatic)

Automatic baiting equipment (make and model)

### **Offal**

Offal dumping position (port, starboard, stern)

Offal~~offal~~ dumping during hauling (never, occasionally, always)

Propeller rotation direction (clockwise/anti-clockwise)

### **General Streamer Line Description**

Vessel equipped with a streamer line (y/n)

Number of streamer lines regularly set

Streamer line position (port, starboard, stern)

Streamer line length (m)

Streamer length min/max (m)

Attached height above water (m)

Distance between streamers (m)

Number of streamers

Streamer design (single or paired)

Ariel extent of line (m)

Method used to assess aerial extent

Streamer material

Streamer line diameter (mm)

Streamer colours

Streamer line over bait entry position? (y/n/u)

Distance from stern to bait entry point (m)

Horizontal distance from bait entry point to streamer line (m)

### **Details of Dahn/Dropline/~~Handline~~ Setting**

Main line length (m)

Number of hooks set

Percentage hooks baited

Distance between branches/snoods (m)

Distance of hooks off bottom (m)

Bait species

Bait size

Bait proportion

Deck lights during setting (On, Off)

Streamer lines used (Yes, No)

Number of streamer lines used Offal dumping during setting (Yes, No)

Daylight period

Moonlight

Bait entry position (Port, Starboard, Stern)

Vessel setting speed (knots)

***Start and End setting. Repeat for Start and End of hauling***

Date (YYYY.MON.DD)

Time (hh:mm)

Latitude

Longitude

Bottom Depth (m)

***Gear lost***

Number of sections lost

Number of hooks lost that were attached to lost sections of the dahn/dropline

Number of other hooks lost (excluding hooks attached to lost sections)

***Observed catch composition***

Observer ID

Was Haul observed for fish/invertebrate by-catch (Y/N):

Estimate percentage of the haul observed for by-catch (%)

Species (data shall be collected for each observed species)

Species code (FAO species code)

total retained catch weight (kg)

total discarded catch weight (kg)

***Species Retained***

observed number retained

observed number retained with tags

***Species Discarded***

observed number discarded

observed number discarded dead

observed number discarded alive

**Specimen cut off (if possible)**

Yes / No

For each species caught

• Taxa name

• Number alive

Number dead or injured]

***Species Lost***

observed number lost/dropped off at surface

**Handline fishing activity**

**Handline Description**

Target species (FAO species code)

**Main Line**MaterialDiameter (mm)Integrated Wt (g/m)**Hooks**Type (e.g.: J shaped, Circular, etc.)MakeSize (inch)Total length (mm)Shank (mm)Gape (mm)Throat (mm)Front length (mm)Usual setting positionLine off bottom (m)Hooks off bottom (m)**Offal**Offal dumping position (port, starboard, stern)Offal dumping during hauling (never, occasionally, always)Propeller rotation direction (clockwise/anti-clockwise)**Details of Handline Operation**Main line length (m)Number of fishermen operating handlinesNumber of line lifts per fisherman (average)Number of hooks per linePercentage hooks baitedBait speciesBait sizeBait proportionDeck lights during setting (On, Off)**Start and End time of operation.**(An operation is a defined period of fishing between start and end date)Date (YYYY.MON.DD)Time (hh:mm)LatitudeLongitudeBottom Depth (m)**Gear lost**Number of hooks lost**Observed catch composition**Observer IDWas Haul observed for fish/invertebrate by-catch (Y/N):Estimate percentage of the haul observed for by-catch (%)Species (data shall be collected for each observed species)Species code (FAO species code)total retained catch weight (kg)

[total discarded catch weight \(kg\)](#)

**[Species Retained](#)**

[observed number retained](#)

[observed number retained with tags](#)

**[Species Discarded](#)**

[observed number discarded](#)

[observed number discarded dead](#)

[observed number discarded alive](#)

**[Species Lost](#)**

[observed number lost/dropped off at surface](#)

**Interactions with Vulnerable Marine Ecosystems (VME)**

**General information**

Name of observer

Name of vessel

Date

Trip number

Set number

**VME location**

Start and end positions of all gear deployments and/or observations.

(Latitude/longitude)

Depth(s) fished (m)

**Fishing Gear**

Indicate fishing gears used at each location

**VME Taxa**

a) Species (identified taxonomically as far as possible, or accompanied by a photograph where identification is difficult).

b) An estimate of the quantity (weight (kg) or volume (m<sup>3</sup>)) of each listed benthic species caught in the tow [\(and the unit of measurement\)](#).

c) An overall estimate of the total quantity (weight (kg) or volume (m<sup>3</sup>)) of all invertebrate benthic species caught in the tow. [\(and the unit of measurement\)](#)

d) Where possible, and particularly for new or scarce benthic species which do not appear in ID guides, whole samples should be collected and suitably preserved for identification on shore.

e) Collect representative biological samples from the entire VME catch. (Biological samples shall be collected and frozen when requested by the scientific authority in a Contracting Party). For some coral species that are under the CITES list photographs should be taken.

**[Other benthos taxa](#)**

Yes/No

For each catch of benthic organisms species

Scientific names (identified at the lowest taxon level possible)

FAO code (if available)

Estimation of the amount caught

## Specifications for the Exchange of Data

1. Coordinated Universal Time (UTC) shall be used to describe times, using the following submission format: YYYY-MON-DDThh:mm:ss where:
  - a. YYYY - represents a 4-digit year e.g. "2007"
  - b. MON - represents a 3-character month abbreviation e.g. "APR"
  - c. DD - represents a 2-digit day e.g. "05"
  - d. T - is a space separator
  - e. hh - represents hours based on the 24hr clock (length = 2 digits) e.g. "16"
  - f. mm - represents minutes (length = 2 digits) e.g. "05"
  - g. ss - represent seconds (length = 2 digits) e.g. "00"

Example

2003-JUL-17T13:10:00 = 1.10pm (1310h), 17 July 2003

2. Coordinates Decimal degrees (WGS84) are to be used to describe precise locations and the following standards shall be used:
2. Degrees minutes seconds (DD°MM'SS") .or Degrees minute decimal (DD°MM.XX) or Decimal degrees (DD.XXXX).
3. Add N or S to indicated North or South The following standard shall be used for the submission of latitudinal/ longitudinal information:
  - a. Northern latitudes. Add E to indicate the Eastern longitude (the SIOFA Area is always in the Eastern and eastern longitudes), for should be indicated by the use of [unsigned] positive decimal degrees, add minus for southern degree values
  - b. Southern latitudes, and western longitudes should be indicated by the use of negative decimal degree values

Examples:

Latitude= 42°37'06" S. Longitude= 48°03'58" E.

Latitude= 35°09.70" S Longitude= 51°12.94"

Latitude= -10.0386 Longitude= 61.7088

<u>Latitude - Degrees: Represented as positive (unsigned) or negative numbers from 0 to 89.99</u>	<u>E.g. If value = 83.2, this means 83.2° N</u> <u>E.g. if value = -83.2, this means 83.2° S</u>
<u>Longitude - Degrees: Represented as positive (unsigned) or negative numbers from 0 to 179.99</u>	<u>E.g. If value = 83.2, this means 83.2° E</u> <u>E.g. if value = -83.2, this means 83.2° W</u>

- 4.3. Metric units of measure be used, specifically:

- a. ~~Tonnes or~~ kilograms are to be used to describe catch weight
- b. Metres are to be used to describe height, width, depth, beam or length
- c. Cubic metres are to be used to describe volume
- d. Kilowatts are to be used to describe engine power

## Annex D

**Role and tasks of the scientific observer**

1. The function of scientific observers on board vessels engaged in harvesting of marine living resources is to independently observe and report on the operation of fishing activities in the SIOFA Area.
2. In fulfilling this function, scientific observers will undertake the following tasks:
  - a. Record details of vessel operations, including inter alia, times of, searching, fishing, transit etc., and details of hauls;
  - b. Take biological samples of catches;
  - c. Record biological data of species caught;
  - d. Record by-catch information, such as species, quantity and other biological data [as specified in Annex B]
  - e. Record interactions with seabirds, marine mammals, and marine reptiles
  - f. Record information on catch including data relating to processed conversion factors;
  - g. prepare reports of their observations for their respective national authorities;
  - h. collect and report data on sightings fishing vessels, unmarked fishing gear, and recovery of fishing gear in the SIOFA Area, including vessel type identification, vessel position and activity and gear type;
  - i. collect information on fishing gear loss and waste disposal by the fishing vessels at sea.



## 2 – Proposal for a new annex E to CMM 2019/02

### Annex E

#### Protocol for documenting whale interaction in deep-sea demersal longline fisheries

##### Priority 1 Data to be collected

###### Presence

For every haul and for each species:

<u>Haul</u>	<u>Presence ?</u>	<u>Comment</u>
<u>1</u>	<u>Absent</u>	
<u>2</u>	<u>Present</u>	
<u>3</u>	<u>Present</u>	<u>Night time but clearly see them in projectors</u>
<u>4</u>	<u>Not observed</u>	<u>Night time, can't see them but can't say they are not present around.</u>

Requirement: data mandatory and must be collected for every haul.

"Presence": Favourable conditions (visibility is at least several hundred meters with sufficient light) and observation by the observer (observer can be alerted by the crew when whales are sighted). The presence of whales is confirmed by direct observation of at least one individual at the surface in the vicinity of the vessel at least once during 1 haul. Note that presence can also be observed at night when killer whales come very close to the boat.

"Absence": Favourable conditions and no odontocete spotted at any time during the entire haul.

"Not observed" is used either if the observer did not have time to gather information (e.g. if line broke), or if conditions are too bad to observe (either weather conditions, or hauling at night).

###### Photos

For every haul and for each species:

<u>Haul</u>	<u>Presence ?</u>	<u>Photos?</u>	<u>Comment</u>
<u>1</u>	<u>Absent</u>	<u>No</u>	
<u>2</u>	<u>Present</u>	<u>Yes</u>	
<u>3</u>	<u>Present</u>	<u>No</u>	<u>Night time: too dark for pictures</u>
<u>4</u>	<u>Not observed</u>	<u>No</u>	<u>Night time: too dark for pictures</u>

Requirement: data mandatory and must be collected for every haul.

With this additional field, observers indicate whether they took pictures of whales for photo-identification purposes or not during the haul of the set.

**Priority 2 Data to be collected**Number of individualsFor every haul and for each species:

<u>Haul</u>	<u>Presence ?</u>	<u>minimum</u>	<u>maximum</u>	<u>comment</u>
<u>1</u>	<u>Absent</u>	<u>0</u>	<u>0</u>	
<u>2</u>	<u>Present</u>	<u>15</u>	<u>22</u>	
<u>3</u>	<u>Present</u>	<u>1</u>		<u>At least one but too dark for accurate estimate</u>
<u>4</u>	<u>Not observed</u>			

Requirement: data should be collected for every haul to the extent possible.Providing exact counts of individuals from the surface may be difficult for observers as whales can dive for long periods of time. To account for uncertainty around counts, observers may fill in two fields:

- Minimum estimate of the number of individuals.
- Maximum estimate of the number of individuals.

**Priority 3 Data to be collected**Interaction with fishing gearFor every haul and for each species:

<u>Haul</u>	<u>Presence ?</u>	<u>Interaction with fishing gear?</u>	<u>Comment</u>
<u>1</u>	<u>Absent</u>	<u>No</u>	
<u>2</u>	<u>Present</u>	<u>Yes</u>	<u>Saw them diving close to the line</u>
<u>3</u>	<u>Present</u>	<u>Yes</u>	<u>Head of fish were observed</u>
<u>4</u>	<u>Not observed</u>		

Requirement: data should be collected for every haul to the extent possible.When Presence, interaction with fishing gear is taken into account if whales are diving close to the lines or directly observed with fish in their mouths.Estimated Time of Arrival (ETA)For every haul and for each species:

<u>Haul</u>	<u>Presence ?</u>	<u>ETA</u>	<u>Comment</u>
<u>1</u>	<u>Absent</u>	<u>NA</u>	<u>Not applicable</u>
<u>2</u>	<u>Present</u>	<u>0:30</u>	<u>We were able to haul 30 minutes before they arrive</u>
<u>3</u>	<u>Present</u>	<u>0:00</u>	<u>Saw them in projectors even before first hook came on board</u>
<u>4</u>	<u>Not observed</u>	<u>NA</u>	<u>Not applicable</u>

Requirement: data should be collected for every haul to the extent possible.The Estimated Time of Arrival here corresponds to the time between the first hook of the line hauled on board and the arrival of sperm whales / killer whales. If whales are already present when hauling starts then ETA is zero.

**CMM 2020/15<sup>1</sup>****Conservation and Management Measure for the Management of Demersal Stocks in the Agreement Area (Management of Demersal Stocks)****The Meeting of the Parties to the Southern Indian Ocean Fisheries Agreement;**

*RECOGNISING* that Article 4(a) of the *Southern Indian Ocean Fisheries Agreement* (the Agreement) calls on the Contracting Parties, in giving effect to the duty to cooperate, to adopt measures on the basis of the best scientific evidence available to ensure the long-term conservation of fishery resources, taking into account the sustainable use of such resources and implementing an ecosystem approach to their management;

*FURTHER RECOGNISING* Articles 4(c), (e) and (f) of the Agreement which call on the Contracting Parties to apply the precautionary approach and the principles that fishing practices and management measures shall take due account of the need to minimise the harmful impact that fishing activities may have on the marine environment and that biodiversity in the marine environment shall be protected;

*FURTHER RECOGNISING* Articles 6(1)(d) and (e) of the Agreement which provide that the Meeting of the Parties shall adopt conservation and management measures (CMMs) necessary for ensuring the long-term sustainability of fishery resources, taking into account the need to protect marine biodiversity, based on the best scientific evidence available and adopt generally recommended international minimum standards for the responsible conduct of fishing operations;

*MINDFUL* of Article 16 of the Agreement that calls on Contracting Parties, acting jointly under the Agreement, to cooperate closely with other international fisheries and related organisations in matters of mutual interest;

*COMMITTED* to ensuring that bottom fishing undertaken in the Agreement Area is consistent with the long-term sustainability of deep-sea fish stocks and the protection of the marine environment;

**ADOPTS the following CMM in accordance with Article 6 of the Agreement:****Objective**

1. The objective of this CMM is to promote the sustainable management of deep-sea fisheries resources in the Agreement Area, including target fish stocks and non-target species.

**General provisions**

2. This CMM applies to all fishing vessels flying the flag of a Contracting Party, cooperating non-Contracting Party, participating fishing entity or cooperating non-participating fishing entity (collectively CCPs) to the Agreement engaging or intending to engage in bottom fishing in the Agreement Area.

**Status of Stocks**

3. The Scientific Committee shall provide annual reports, based on the best available science, on the status of the demersal fisheries resources targeted in the Agreement Area, relative to available

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<sup>1</sup> CMM 2020/15 (Management of Demersal Stocks) supersedes CMM 2019/15 (Management of Demersal Stocks).

and/or relevant reference points. The reports shall include, where possible, projections of stock status over a period no less than 20 years, with 5 years steps, relative to a range of fishing mortality. In addition to the annual report on stock status, the Scientific Committee will provide management advice relative to available and/or relevant reference points.

## Orange Roughy

### *Fishing season*

4. For the purposes of this CMM, the fishing season for *Hoplostethus atlanticus* in the Agreement area shall be defined as the period from 1st January to 31 December both dates inclusive.

### *Stock assessment*

5. The orange roughy stocks shall be the subject of a full stock assessment to be assessed every three to five years. In the interim period available information on ORY stocks shall be presented annually.
6. The SC shall provide a summary of future data needs to improve assessment accuracy, as well as provide a summary to MoP-7 on progress against the ORY workplan.

## Toothfish

7. For the purpose of this fishery, the target species are *Dissostichus mawsoni* and *Dissostichus eleginoides*, defined as *Dissostichus spp.*

- 7.8. The objectives of this section are to:

- a. ensure collaborative and complementary arrangements are in place for *Dissostichus spp.D. eleginoides* between SIOFA and the Commission for the Conservation of the Antarctic Marine Living Resources (CCAMLR); and
- b. ensure that fishing mortality of *Dissostichus spp.D. eleginoides* on William's Ridge in the Agreement Area<sup>2</sup> and Del Cano Rise do not cause biologically sustainable catch levels to be exceeded, taking into account population links.

- 8.9. The catch limit for *Dissostichus spp.* on Del Cano Rise, and research catch limit for *Dissostichus spp.* on William's Ridge as specified in paragraphs 16 and 37 shall apply until:

- a. the Meeting of the Parties has adopted a biologically appropriate catch limit for the populations of *Dissostichus spp.D. eleginoides* occurring in the SIOFA portion of Williams Ridge and Del Cano Rise and other appropriate management measures which are comparable in effectiveness to those in force in CCAMLR taking into account the advice and recommendations of the SIOFA Scientific Committee and
- b. the Meeting of the Parties has adopted appropriate bycatch mitigation measures, including measures to minimize the incidental catch of seabirds which are comparable in effectiveness to those in force in CCAMLR consistent with the advice provided by the Scientific Committee.

- 9.10. The Scientific Committee shall, by no later than the close of its 7<sup>th</sup> ordinary meeting in 2022, provide advice and recommendations on:

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<sup>2</sup> The portion of Williams Ridge in the Agreement Area is bounded by the area 80E to 85E and 52S to 55S.

- a. a biologically appropriate catch limit for the populations of *Dissostichus spp. D. eleginoides* occurring in the SIOFA portion of Williams Ridge and Del Cano Rise;
- b. appropriate bycatch mitigation measures, including for benthic bycatch and seabirds; and
- c. any other matter that the Scientific Committee determines as relevant or necessary for the sustainable management of the *Dissostichus spp. D. eleginoides* populations.

~~10.11.~~ In formulating its advice and recommendations to the Meeting of the Parties in respect of this CMM, the SIOFA Scientific Committee shall take full account of relevant CCAMLR Scientific Committee material.

~~11.12.~~ CCPs with an interest in this stock shall cooperate to ensure scientific collaboration between CCAMLR and SIOFA to ensure long-term sustainable management for *Dissostichus spp. D. eleginoides* stocks which takes due account of relevant rights and responsibilities under international law, and which does not undermine the conservation status of the stock.

### General Provisions

~~12.13.~~ Fishing with demersal longlines shall be prohibited in depths shallower than 500m. in order to protect benthic communities and juvenile *Dissostichus spp.*

### Management measures for toothfish in the Del Cano Area [FAO Subarea 51.7]

#### DefinitionsArea

~~13.~~ For the purpose of this fishery, the target species are *Dissostichus mawsoni* and *Dissostichus eleginoides*, defined as *Dissostichus spp.*

14. For the purpose of this fishery, the Del Cano Rise area is defined as the area set out in Figure A.

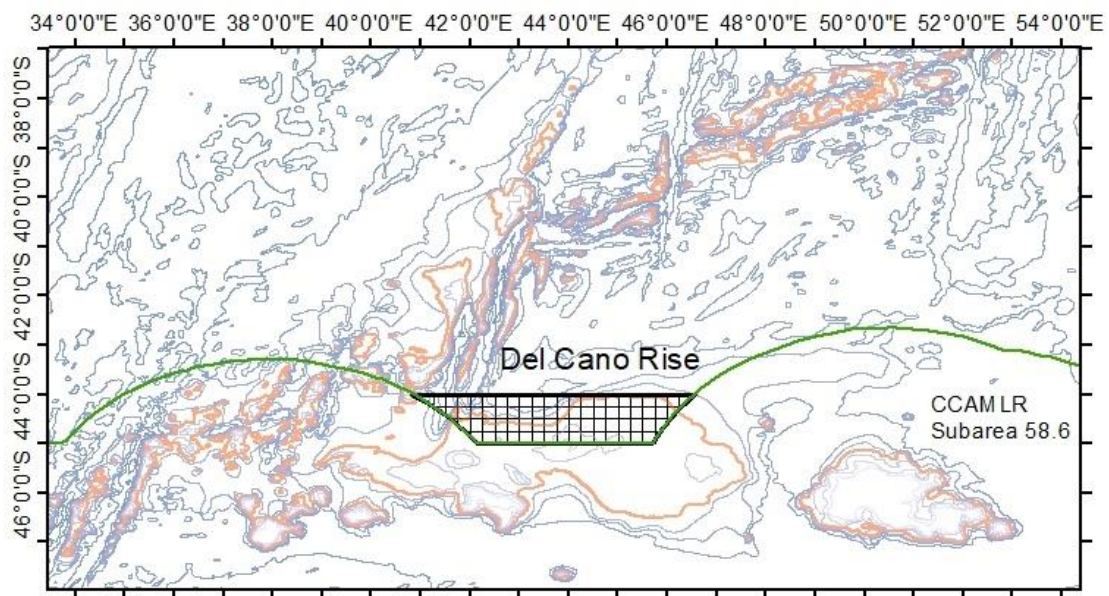


Figure A: Extent of the proposed Del Cano Rise area. The area is bounded between -44S and -45S latitude, and the adjacent EEZ to the east and west. The red bathymetry line denotes depth at -2000 m.

**Season**

15. For the purpose of the longline fishery for *Dissostichus* spp in [FAO Subarea 51.7], the season is defined as the period from 1 December to 30 November both dates inclusive.

**Effort/catch and operational limits**

16. -CCPs shall ensure that the total annual catches of *Dissostichus* spp in the Del Cano Rise area do not exceed 55 tonnes. Without prejudice to any future sharing arrangement of the catch opportunities, this catch shall be equally shared between those CCPs which have historical catches declared to SIOFA up to 2016 in the Del Cano Rise area. Any excess by a given CCP in a given year shall be deducted from its following year catch share.
17. CCPs shall send monthly reports of their *Dissostichus* spp catches to the Secretariat, [using the template at Annex I](#). As soon as 90% of the catch limit is reached, the Secretariat shall notify the CCPs of the closure of the fishery.
18. CCPs shall ensure that their fishing vessels inform the Secretariat daily on start and end points of set longlines, [using the template at Annex II](#).
19. Longlines shall not exceed 3000 hooks per line and shall be set at minimum 3 nautical miles from each other.

**By-catch limits**

20. Toothfish caught by vessels not targeting *Dissostichus* spp may not exceed 0.5 t per season of *Dissostichus* spp.
21. Should a vessel fishing for species other than *Dissostichus* spp reach the *Dissostichus* spp limit of 0.5 tonnes, the Del Cano area shall be closed for this vessel for that season.

**Mitigation of depredation**

22. To reduce likelihood of depredation, vessels are encouraged to not haul longlines in the presence of killer whales (*Orcinus orca*) and are discouraged from hauling longlines in presence of any odontocete (toothed) whales.
23. Should killer whales arrive during hauling operations, the vessels are encouraged to cease hauling, tie off the longline with a buoy, and move on. The vessel may only retrieve the tied-off line once the killer whales are no longer near the line.
24. To further reduce potential for depredation, vessels are encouraged to set lines at depths exceeding 1000 m.

**VMS polling**

25. CCPs shall require their flagged vessels fishing for *Dissostichus* spp in this area to report VMS data automatically to their FMC at least every hour when they are present in the Del Cano area.

**Observers**

26. Each vessel participating in the fishery shall have at least one scientific observer on board throughout all fishing activities within the fishing period. The observer shall have a target of observing 25% of hooks hauled per line over the duration of the fishing deployment.

**Tagging and release**

27. CCPs shall require their flagged vessels to tag and release *Dissostichus spp* specimens at a rate of at least 5 fish per tonne green weight caught. A minimum overlap statistic of at least 60% shall apply for tag release, once 30 or more *Dissostichus spp* specimens have been caught.

### Scientific committee

28. In 2020 the SC shall make recommendations in order to build an area wide habitat model, a spatial and temporal CPUE analysis, an estimate and map of local abundancies and a local population assessment. It shall further advise on any necessary improvements to data collection in order to reduce future assessment uncertainty.
29. The SC shall also address the issues related to depredation
30. At its ordinary meeting in 2020 the Scientific Committee will advise on the appropriate limits for relevant species caught as bycatch in *Dissostichus spp.* fisheries.

### Review

31. -The provisions above shall be reviewed annually until a collaborative approach involving SIOFA and CCAMLR is established. This shall include sharing of relevant data, undertaking collaboratively the stock assessments and agreeing in coherent, fair and scientifically sound conservation and management measures for the *Dissostichus spp* that are shared by the two organisations.

## Management & research measures for toothfish in Williams Ridge [FAO Subarea 57.4]

### Definitions

- ~~32. For the purpose of this fishery, the target species are *Dissostichus mawsoni* and *Dissostichus eleginoides*, defined as *Dissostichus spp.*~~

### Area and purpose

- ~~33.~~32. For the purpose of this fishery, Williams Ridge is defined as the area set out in Figure B and Table 2, and divided into a 15'x15' grid for spatial management. This grid is in place to address the risk of localised depletion and ensure representative data collection throughout the SIOFA part of Williams Ridge.

### Season

- ~~34.~~33. For the purpose of the new longline fishery for *Dissostichus spp.* in Williams Ridge, the season is defined as the period from 1 December to 30 November (both dates inclusive).

### Data collection for fisheries research

- ~~35.~~34. CCPs shall require their flagged vessels to tag and release *Dissostichus spp* ~~Toothfish~~ at a rate of at least 5 fish per tonne green weight caught. A minimum overlap statistic of at least 60% shall apply for tag release, once 30 or more *Dissostichus spp* ~~toothfish~~ have been caught.
- ~~36.~~35. Representative data and samples of length, weight, sex, maturity stage, gonad weight and otoliths shall be collected to contribute to the work of the 5<sup>th</sup> meeting of the Scientific Committee, and in particular to contribute to assessing the risk to localised depletion.



## Effort/catch and operational limits

~~37.36.~~ Total annual research catches in this area shall not exceed 140 tonnes. Any excess in a given year shall be deducted from that CCP from the following year.

~~38.37.~~ CCPs shall ensure their vessels send ~~daily~~monthly reports of their *Dissostichus* spp. catches to the Secretariat using the template at Annex III and inform the Secretariat daily on start and end points of set longlines, using the template at Annex IV. As soon as 90% of the catch limit is reached, the Secretariat shall notify ~~the all~~ CCPs and CCPs shall ensure there is no further fishing effort by their fishing vessels for the remainder of the season~~of the closure of the fishery.~~

~~38.~~ Only one fishing vessel at a time can fish for *Dissostichus* spp. in a given grid cell. A grid cell shall be closed to fishing by other vessels while a line is being set or hauled by a vessel, and while a line has been set by a vessel and has not been hauled.<sup>3</sup>

39. CCPs shall ensure that their fishing vessels inform the ~~s~~Secretariat as soon as they enter a grid cell to fish for *Dissostichus* spp., using the entry notification template at Annex V. Outside Secretariat business hours, an advance notification process will apply. The Secretariat shall inform the vessel as soon as possible<sup>4</sup> of the number of lines that have been set in that grid cell during that season and whether it is currently being fished by another vessel, using the template at Annex VI. Where the Secretariat receives notifications from multiple fishing vessels for a given grid cell, the Secretariat will respond to the notifications in the order that they were received.

40. CCPs shall ensure that their fishing vessels shall not fish in a grid cell before having received ~~the~~ confirmation from the Secretariat that two lines have not already been set in that grid cell during that season and that it is not currently being fished by another fishing vessel, however a fishing vessel entering a grid cell to haul a line and to set a second line may haul the first line (but not set the second line) before receiving the confirmation.

41. CCPs shall ensure that their fishing vessels inform the ~~s~~Secretariat as soon as they exit the grid cell specified in paragraph 39 and that they inform the Secretariat of the number of lines they have set and/or hauled in that grid cell, if any, using the exit notification template at Annex VII.

42. Longlines shall not exceed 6250 hooks per line and shall not be set across grid cells.

~~43.~~ CCPs shall ensure that their fishing vessels inform the Secretariat daily on start and end points of set longlines.

~~44.43.~~ CCPs shall ensure that no more than two lines in total are set per grid for the duration of the fishing season of *Dissostichus* spp.

~~45.44.~~ After~~Once~~ two lines have been set in a ~~Williams Ridge~~given grid cell, it shall be closed to fishing for the remainder of that~~a fishing vessel shall not be entitled to set any lines in that grid cell within the same fishing season. A fishing vessel can fish in any other Williams Ridge grid cell where two lines have not been set in that season.~~

~~46.~~ Once two lines have been set in a grid cell by a fishing vessel it cannot be fished by another fishing vessel during that same season.

<sup>3</sup> For the avoidance of doubt, a vessel that ceases hauling a line in a grid cell in order to mitigate depredation in accordance with paragraphs 48 and 49 is still fishing in that grid cell until it hauls the line.

<sup>4</sup> In accordance with any arrangements agreed ahead of each fishing season between the CCPs with fishing vessels fishing for *Dissostichus* spp. in Williams Ridge and the Chair of the MoP in consultation with the Secretariat. The arrangements could include procedures and expected timeframes for the Secretariat's response to prevent unreasonable operational disruption to fishing outside Secretariat business hours. Once agreed, the Secretariat should circulate the arrangements to all CCPs before the beginning of the season.

~~47.45.~~ CCPs shall require their flagged vessels fishing for *Dissostichus* spp. in Williams Ridge to apply a break of a minimum of 30 days between consecutive fishing trips to Williams Ridge.

### By-catch limits

~~48.46.~~ Toothfish caught by vessels not targeting *Dissostichus* spp. may not exceed 0.5 tonnes per season.

~~49.47.~~ Should a vessel fishing for species other than *Dissostichus* spp reach the *Dissostichus* spp limit of 0.5 tonnes, the Williams Ridge area shall be closed for this vessel for that season.

### Mitigation of depredation

~~50.48.~~ To reduce likelihood of depredation, vessels are encouraged not to haul longlines in the presence of sperm whales (*Physetes catodon*) and are discouraged from hauling longlines in presence of any odontocete (toothed) whales.

~~51.49.~~ Should sperm whales arrive during hauling operations, the vessels are encouraged to cease hauling, tie off the longline with a buoy, and move on. The vessel may only retrieve the tied-off line once the sperm whales are no longer near the line.

### Observers

~~52.50.~~ Each vessel participating in the fishery shall have at least one scientific observer on board throughout all fishing activities within the fishing period. The observer shall have a target of observing 25% of hooks hauled per line over the duration of the fishing deployment.

### Review

~~53.51.~~ The level of fishing on Williams Ridge shall be reviewed annually. This CMM may be reviewed annually until a collaborative approach involving SIOFA and CCAMLR is established. This shall include sharing of relevant data, undertaking collaboratively the stock assessments and agreeing in coherent, fair and scientifically sound conservation and management measures for the *Dissostichus* spp that are shared by the two organisations.

Table 2: Williams Ridge Fishing Area Coordinates

Point	Latitude	Longitude
1	-52.5	80.0
2	-55	80.0
3	-55	85.0
4	-52.5	85.0

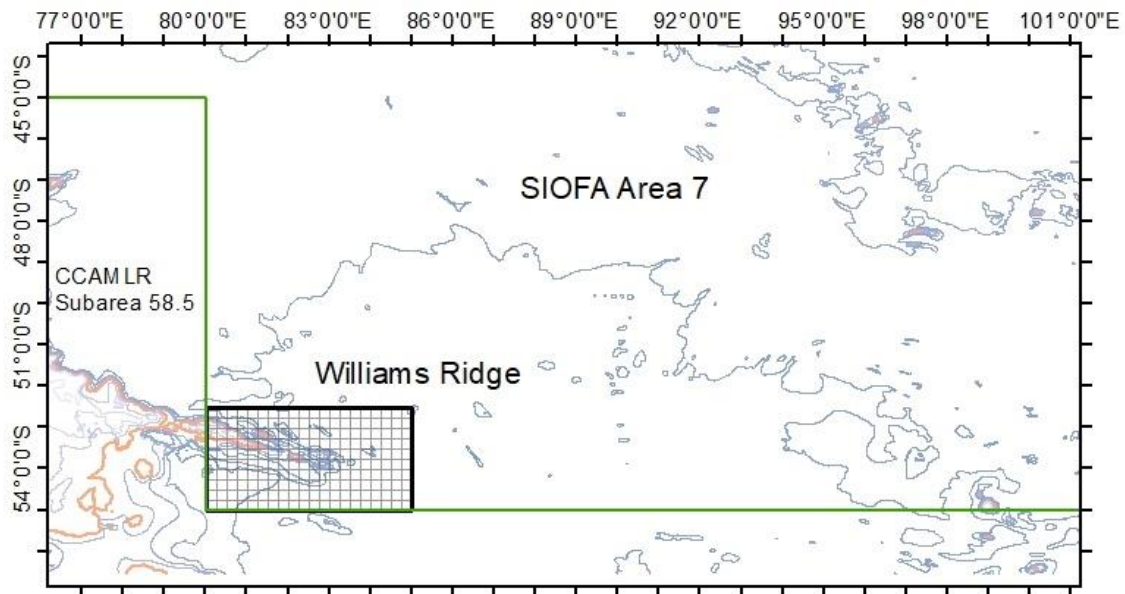


Figure B Extent of Williams Ridge. The area boundaries are given in Table 1. The red bathymetry line denotes depth at -2000 m.

## Management plan for Alfonsino

### Season

**54.52.** For the purpose of fishery for *Beryx splendens* in SIOFA area the season is defined as the period from 1 January to 31 December both dates inclusive.

### Stock assessment

**55.53.** The MoP requests that the SC assess the *Beryx splendens* stocks in 2022 at the ordinary meeting of the Scientific Committee (if the SC, in 2021, determines that suitable data exist to undertake that assessment). In addition, the SC is requested to provide advice on a regular assessment schedule for future years

**56.54.** The Scientific Committee shall provide clear advice and guidance on any necessary changes to data collection in order to reduce future assessment uncertainty.

## Application

**57.55.** This CMM shall apply from 1 December ~~2020~~2021.

**Annex I - Template for CCPs to use for monthly catch reports to the Secretariat when fishing on the Del Cano Rise area (paragraph 17)**

CCPs shall send monthly reports of their *Dissostichus* spp catches to the Secretariat [~~at 06:00 UTC the first day of the next month~~]. This report shall be sent to SIOFA Secretariat ([mcs@siofa.org](mailto:mcs@siofa.org)) ~~as soon as no other fishing during the month is planned or on the last day of the month.~~

Vessel name

Vessel Flag

Area

(circle or underline correct area)

DEL CANO RISE

WILLIAMS RIDGE

OTHER

Year

Month

Catch live weight (Kg)

Catch Pieces

**Annex II - Template for CCPs to use for daily longline reporting to the Secretariat when fishing on the Del Cano Rise area (paragraph 18)**

CCPs shall ensure that their fishing vessels inform the Secretariat ([mcs@siofa.org](mailto:mcs@siofa.org)) daily on start and end point of set longlines, and shall use the following template:

Vessel name

Vessel Flag

Set Start Date

Set Start Time

Set Start Longitude

Set Start Latitude

Set Start Depth

Set End Date

Set End Time

Set End Longitude

Set End Latitude

Set End Depth

Number of hooks

set

**Annex III - Template for CCPs to use for daily catch reports to the Secretariat when fishing on the Williams Ridge area (paragraph 37)**

CCPs shall send daily catch reports of their *Dissostichus* spp catches to the Secretariat ([mcs@siofa.org](mailto:mcs@siofa.org)).

Vessel name

Vessel Flag

Area

(circle or underline correct area)

DEL CANO RISE

WILLIAMS RIDGE

OTHER

Month

Day

Catch live weight (Kg)

Catch Pieces

**Annex IV - Template for CCPs to use for daily longline reporting to the Secretariat when fishing on the Williams Ridge area (paragraph 37).**

CCPs shall ensure that their fishing vessels inform the Secretariat ([mcs@siofa.org](mailto:mcs@siofa.org)) **daily** on start and end point of set longlines, and shall use the following template:

<u>Vessel name</u>		<u>Vessel Flag</u>	
<u>Set Start Date</u>		<u>Set Start Time</u>	
<u>Set Start Longitude</u>		<u>Set Start Latitude</u>	
<u>Set Start Depth</u>			
<u>Set End Date</u>		<u>Set End Time</u>	
<u>Set End Longitude</u>		<u>Set End Latitude</u>	
<u>Set End Depth</u>			
<u>Grid Cell* (e.g. C8)</u>			
<u>Number of hooks set</u>			

\*Williams Ridge Area grid cells:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	lat.
1																					
2																					
3																					53 S
4																					
5																					
6																					
7																					54 S
8																					
9																					
10																					55 S
long.	80 E				81 E					82 E				83 E					84 E		85 E

**Annex V – Template for vessel entry notification when fishing on the Williams Ridge area (paragraph 39)**

[Vessel name] hereby notifies its entry into grid cell [Number] at [Date:Time (UTC)] to fish for toothfish.

I [Name of Captain] confirm that the [vessel name] will not commence fishing until receipt of confirmation from the Secretariat that two lines have not already been set in this cell during this fishing season and that the cell is not currently being fished by another vessel.



**Annex VI – Template for Secretariat confirmation in response to vessel entry notifications when fishing on the Williams Ridge area (paragraph 39)**

The Secretariat acknowledges receipt of your notification of entry into [grid cell number] to fish for toothfish and advises that:

1. [number of lines] have been set in this cell during this fishing season, and
2. this cell [is/is not] currently being fished by another vessel.

**Annex VII – Template for vessel exit notification when fishing on the Williams Ridge area (paragraph 41)**

[Vessel name] hereby notifies its exit from grid cell [Number] at [Date:Time (UTC)]. I [Name of Captain] inform you that the [vessel name] has (choose 1 option from the list below):

1. set 1 line
2. set 2 lines
3. hauled 1 line
4. hauled 2 lines
5. hauled 1 line and set 1 line

### **Section 1. CURRENT VERSION of CMM 2019/14 – Paragraph 22**

“22. In carrying out boarding and inspection pursuant to this measure, Authorised Inspectors shall make their best efforts to communicate with the master of the fishing vessel(s) in a manner that the master can understand. In order to facilitate communications between the Authorised Inspectors and the master of the vessel wherever possible, the Meeting of the Parties shall develop a standardised questionnaire during the intersessional period following the 6th Meeting of the Parties, which once adopted shall be translated into multiple languages and circulated to all CCPs and published on the SIOFA website. The 4th Compliance Committee shall review the standardised questionnaire and provide any recommendations to the 7th Meeting of the Parties. Contracting Parties are encouraged to take communication needs into account when planning operations under this measure.”

### **Section 2. PROPOSED AMENDMENTS to CMM 2019/14 – Paragraph 22 (track changes version)**

“22. In carrying out boarding and inspection pursuant to this measure, Authorised Inspectors shall make their best efforts to communicate with the master of the fishing vessel(s) in a manner that the master can understand. If necessary to facilitate communication between the authorized inspectors and the master of the fishing vessel, the authorized inspector shall use the relevant parts of the standardized questionnaire adopted by the MoP at its 8th meeting in 2021, which shall be translated into multiple languages, circulated to all CCPs and published on the SIOFA website. ~~CCPs are encouraged to take~~ Communication needs should be taken into account when planning operations under this measure.”

### **Section 3. PROPOSED AMENDMENTS to CMM 2019/14 – Paragraph 22 (clean version)**

“22. In carrying out boarding and inspection pursuant to this measure, Authorised Inspectors shall make their best efforts to communicate with the master of the fishing vessel(s) in a manner that the master can understand. If necessary to facilitate communication between the authorized inspectors and the master of the fishing vessel, the authorized inspector shall use the relevant parts of the standardized questionnaire adopted by the MoP at its 8th meeting in 2021, which shall be translated into multiple languages, circulated to all CCPs and published on the SIOFA website. Communication needs should be taken into account when planning operations under this measure.”

## SIOFA HIGH SEAS BOARDING QUESTIONNAIRE

In accordance with paragraph 22 of CMM 2019/14, this questionnaire is provided as a guide only, to assist inspectors and facilitate a safe and transparent boarding when communicating with the master and/or crew of a fishing vessel encountered in the SIOFA Convention Area.

For that reason, the questionnaire will be translated into multiple languages. To facilitate communication based on a translated version of the questionnaire, each question has been numbered. In the case where crewmembers do not understand English, inspectors may ask the crew to use the questionnaire translated in their own language. Inspectors can use the translated versions of the questionnaire by referring to each question number, to ensure the master of the vessel clearly understands which question is under consideration.

The questionnaire is also divided into three distinctive parts, to distinguish between the actions prior to boarding, the conduct of the onboard inspection and finally the conclusion of the inspection.

Inspectors are not required to ask all of the questions presented below, nor to fill in or sign this questionnaire. Likewise, masters and crew are not required to fill in or sign this questionnaire. The requirement lies in the preparation and transmission of a full report on each boarding and inspection carried out under CMM 2019/14, including any supporting information, using the data fields in the Boarding and Inspection Reporting Form at Annex 1 of CMM 2019/14. Therefore, the inspector and the master of the vessel shall sign the boarding and inspection report only.

More generally, inspectors shall use their discretion and inspections shall be guided by physical surroundings and the actions of the fishing vessel that is targeted.

### PART 1 : Prior to boarding

Note to inspectors : The following questions are provided to assist inspectors in establishing the *bona fides* of the vessel and to prepare the boarding crew and fishing vessel crew with information to accept and facilitate a safe and transparent boarding.

<b>1. ESTABLISH RADIO CONTACT</b>		
<b>1.1.</b> <i>"This is (name of Patrol Vessel) :....., (flag state of PV) :.....(international call sign) :..... patrolling international seas in accordance with the Southern Indian Ocean Fisheries Agreement conservation and management measure on High Seas Boarding and Inspection. (CMM 2019-14).</i>		
<b>1.2.</b> <i>"Can you understand me?"</i>	Yes	No
<b>1.3.</b> If not : <i>"Can you or any of your crew speak the following languages ?" :</i>  Note to inspectors : if crewmembers do not speak English, refer to each question	a) <i>English</i> b) <i>French</i> c) <i>Chinese</i> d) <i>Spanish</i>	

number for correspondence with the translated version of the questionnaire	e) Other (Korean, Japanese, Thai, or other) :	
<b>1.4. What is your flag-State?</b>		
<b>1.5. “Your <del>country</del>-authority has agreed to apply the SIOFA high seas boarding and inspection procedures between, (flag <del>state</del> of inspected Vessel) and (flag <del>state</del> of patrol vessel)”</b>		
<b>1.6. Do you agree to cooperate?</b>	Yes	No
<b>1.7. If yes, notify intent to board.</b>		

<b>2. NOTIFY INTENT TO BOARD</b>		
<b>2.1. “We must board to check the accuracy of your declarations. Do you accept that a visiting team of 4 inspectors maximum can come on board?”</b>	Yes	No (capture the reason)
<p><b>2.2. If acceptance :</b></p> <p><i>“We will be sending over a boarding party in (five/fifteen/thirty) minutes; please assist them in getting onboard and by complying with all of their instructions.</i></p> <p><i>To assist our boarding party in boarding your vessel, could you please :</i></p> <ul style="list-style-type: none"> <li>- <i>[stop your vessel] or [slow your vessel to ... knots], and</i></li> <li>- <i>[continue your present course and speed] or [turn to (Port/Starboard)], and</i></li> <li>- <i>Lower a ladder on the (Port/Starboard) side.</i></li> </ul> <p><i>To conduct this inspection in a timely manner, please make available to our boarding officer all of your vessel’s document.”</i></p>		
<p><b>2.3. If opposition :</b></p> <p><i>“In the absence of cooperation, I shall immediately notify your flag Authorities and the Executive Secretary of the SIOFA of your refusal.</i></p> <p><i>In such case, and without an explanation of this refusal, your flag CCP might suspend your authorization to fish and request the vessel to return immediately to port.”</i></p>		

## PART 2 : Conduct of the inspection

<b>3. INTRODUCTION OF THE INSPECTION</b>				
<b>3.1.</b> <i>"Good morning/ afternoon/ evening. Are you the master of the fishing vessel?"</i>				
<b>3.2.</b> <i>"I am an authorized SIOFA inspector, my name is.....</i>  <i>Here is my identification. I am authorized to inspect your vessel for compliance with SIOFA conservation and management measures. This provides me and my party with the authority to board and inspect your vessel."</i>				
<b>3.3.</b> <i>"I am using this questionnaire. Please slowly answer my questions and use yes or no whenever possible."</i>				
<b>3.4.</b> Have you been informed of CMM 2019-14 by your flag <span style="color: purple;">State?</span>			Yes	No
<b>3.5.</b> How many crew members and passengers on board ?				
<b>3.6.</b> Security team on board ?	Yes / No	<b>3.7.</b> Weapons on board ?	<b>3.7.1.</b> If yes, where are they located ?	No
<b>3.8.</b> Fishery observer on board ?			<b>3.8.1.</b> If yes, what is his/her name and nationality ?	No
<b>3.9.</b> <i>"I will use the High Sea Boarding and Inspection Report (hereinafter the Inspection report) to document my inspection of your vessel".</i>				
<b>3.10.</b> <i>"Photographs may be taken as evidence to supplement the Inspection Report".</i>				

<b>4. IDENTIFICATION OF THE FISHING VESSEL</b>
<p><i>"I request the following information regarding your vessel. Please show me your vessel's equipment and documents, including valid fishing license/permit/authorization, certificate of nationality and any other documents that contain information about the fishing vessel."</i></p> <p>Note to inspectors : If necessary because this information could not be acquired from the aforementioned documents, the following information can also be requested from the master.</p>
<b>4.1.</b> Type of fishing vessel ? / Fishing method ?

<b>4.2.</b> Position of the vessel at the time of boarding (by fishing master)? :	
a) Time (UTC) ?	
b) Latitude (Deg./Min.) ?	
c) Longitude (Deg./Min.) ?	
<b>4.3.</b> Equipment used in determining position (e.g. GPS) ?	
<b>4.4.</b> <i>"Please show me the passports or seaman book of the master, crewmembers and passengers so that I can fill in the inspection report and compare with the crew list."</i>	
<b>4.5.</b> Length of the fishing vessel (meters) ?	<b>4.6.</b> Tonnage (GT or GTR) ?
<b>4.7.</b> IMO Number ? (if issued)	<b>4.8.</b> Maritime Mobile Service Identity (MMSI)? (if any)
<b>4.9.</b> IOTC number ? (if any)	<b>4.10.</b> Call sign ?(if any)
<b>4.11.</b> Port of registry?	<b>4.12.</b> Number of registration?
<b>4.13.</b> If different from the port of registry, what is the port marked on your vessel hull ?	
<b>4.14.</b> Name and address of the owner (natural person or legal entity) of your vessel?	
<b>4.15.</b> Name and address of your employer (natural or legal person) or whose interests you represent?	

<b>5. ACTIVITY OF THE FISHING VESSEL</b>						
<i>"I request the following information regarding your fishing activities."</i>						
<b>5.1.</b> Do you carry a functioning vessel monitoring system (VMS) ?					Yes	No
<b>5.2.</b> Type of activity when notified of intent to board ? (suggestions below)						
<b>a)</b> Steaming	<b>b)</b> Setting gear	<b>c)</b> Hauling gear	<b>d)</b> Towing gear	<b>e)</b> Stationary	<b>f)</b> Transshipping	<b>g)</b> Other
<b>5.2.1.</b> If other, description ?						

<b>6. FISHING PERMIT / LICENCE / AUTHORIZATION</b>
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<p><i>"I request the following information regarding your fishing authorization(s). Please show me the relevant documents."</i></p> <p>Note to inspectors : Request all fishing authorizations, not only SIOFA. If necessary, the following information can also be requested from the master.</p>		
<b>6.1.</b> Do you currently own a valid fishing license / permit / authorization issued by the relevant Authorities?	Yes	No
<b>6.2.</b> License number?	<b>6.3.</b> Date of validity?	
<b>6.4.</b> Species authorized by license?		
<b>6.5.</b> Fishing area(s) authorized by license?		
<b>6.6.</b> Gears authorized by license?	<b>6.6.1.</b> For longlines: number of hooks per line ?	
<b>6.7.</b> Authority which issued the title (license / permit / authorization)?		

<b>7. CATCH RETAINED ON BOARD</b>		
<b>7.1.</b> <i>"Do you have sea products on board ? Please show me where you record this information (catch logs)."</i>	Yes	No
<b>7.2.</b> <i>"Please show me the following information regarding catch retained onboard."</i>		
<b>7.2.1.</b> Species (FAO code if possible) ?		
<b>7.2.2.</b> Processed weight?		
<b>7.2.3.</b> Processing type (FAO code if possible)		
<b>7.2.4.</b> Live weight?		
<b>7.2.5.</b> Conversion factor ?		
<b>7.3.</b> If catch samples are required : <i>"I will be taking samples of this catch for DNA analysis with the purpose of identifying species. This sample will not reduce the value of the catch."</i>		

<b>8. TRANSHIPMENT</b>
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<b>8.1.</b> Transshipment(s) at sea since the last departure from last port ?		Yes	No
<b>8.2.</b> If yes :  <i>"I require the following information on the carrier vessel(s), please show me the transshipment declaration(s) :"</i>			
<b>8.2.1.</b> Carrier vessel(s):	<b>a)</b> Name ?	<b>b)</b> Flag ?	

<b>9. RECORDS OF EFFORT, CATCH AND CATCH-RELATED DATA</b>			
<b>9.1.</b> Do you maintain records of effort, catch and catch-related data in accordance with SIOFA's reporting requirements?		Yes	No
<b>9.2.</b> Do you have <a href="#">any interaction with marine mammals or</a> any accidental by-catch (including sharks and/or seabirds) to report ?	If yes, specify:	<b>9.3.</b> If applicable (longline): seabird bycatch mitigation / exclusion device ?	
<b>9.4.</b> Type of catch recording ?	<b>a)</b> Paper		<b>b)</b> Electronic

### PART 3 : Conclusion of the inspection

<b>10. SUGGESTIONS FOR CONCLUDING STATEMENTS</b>
<p>Note to inspectors : The following are suggested concluding statements an inspector could make following completion of an inspection and provision of a boarding report/interim boarding report as per the requirements of CMM 2019/14. After inspectors fill in items 1 to 6c of the inspection report form (CMM 2019/14, Annex 1), inspectors could make the following statements and ask the following questions in order to complete the inspection report.</p>
<b>10.1.</b> <i>Thank-you for your cooperation. The boarding and inspection report (Boarding and Inspection Reporting Form, Annex 1 of CMM 2019/14) includes observations by the</i>

<i>boarding party during this inspection. It will be shared with the authorities of the fishing vessel and the SIOFA Executive Secretary.</i>
<b>10.2.</b> <i>Your documents and records indicate you are (in complete compliance/ not in complete compliance) with all SIOFA Conservation and Management Measures.</i>
<b>10.3.</b> <i>This is the specific Conservation and Management Measure which you are not in compliance with.</i>
<b>10.4.</b> <i>This (is/ is not) considered to be a serious violation. (Note to inspectors : refer to paragraph 41 of CMM 2019/14)</i>
<b>10.5.</b> <i>I am photographing this item to document the violation.</i>
<b>10.6.</b> <i>You may make a statement here (Section 6d of the boarding and inspection report) but you are not obliged to do so.</i>
<b>10.7.</b> <i>You may choose to sign the boarding and inspection report (section 7 of the report) to acknowledge the inspection was completed.</i>
<b>10.8.</b> <i>Your signature does not necessarily constitute acceptance of any part of the contents of the report.</i>
<b>10.9.</b> <i>Please photocopy, scan or photograph the interim boarding and inspection report for your records.</i>
<b>10.10.</b> <i>This is your copy of the interim boarding and inspection report.</i>
<b>10.11.</b> <i>The boarding and inspection report will be provided to the Authorities of this vessel.</i>
<b>10.12.</b> <i>Have you understood all you have read?</i>
<b>10.13.</b> <i>We have completed the inspection of your vessel.</i>

Table 1 : Amended, Adopted and Forecast Budgets for 2021, 2022, and 2023 (MoP8 - 9th July 2021)

		2021 AMENDED	2022 ADOPTED	2023 FORECAST
<b>Item 1. Personnel Costs (Option P3)**</b>		<b>265,710.00 €</b>	<b>406,400.14 €</b>	<b>532,827.05 €</b>
1.1	Executive Secretary P5	121,905.00 €	118,669.00 €	120,860.00 €
1.2	Data Manager P3	66,636.00 €	- €	- €
1.3	Data officer P2****	- €	72,866.00 €	74,880.00 €
1.4	Scientific Officer P2	- €	72,866.00 €	74,880.00 €
1.5	Compliance Officer P2**			72,866.00 €
1.6	Separation from service***	- €	20,811.00 €	20,811.00 €
1.7	Temporary personal (internships)	24,000.00 €	- €	24,000.00 €
1.8	Rent subsidy	18,000.00 €	18,000.00 €	27,000.00 €
1.9	Assignment Grant***	400.00 €	23,294.00 €	23,294.00 €
1.10	Travel Cost*	- €	16,000.00 €	16,000.00 €
1.11	Home leave	- €	- €	400.00 €
1.12	Child studying abroad leave*	- €	3,000.00 €	3,000.00 €
1.13	Single Parent/Child allowance *	- €	3,252.00 €	3,052.00 €
1.14	Spouse allowance *	- €	4,371.96 €	4,674.00 €
1.15	Education grant *	- €	4,000.00 €	4,000.00 €
1.16	Pension & health schemes	31,769.00 €	46,270.18 €	60,110.05 €
1.17	Staff development and training	3,000.00 €	3,000.00 €	3,000.00 €
<b>Item 2. Property, Plant and Equipment</b>		<b>7,892.76 €</b>	<b>9,392.76 €</b>	<b>9,892.76 €</b>
2.1	Convention D'Herbergement charges	3,392.76 €	3,392.76 €	3,392.76 €
2.2	Maintenance	- €	- €	- €
2.3	Utilities - Includes electricity, water, gas	- €	- €	- €
2.4	Office Equipment and furniture	1,500.00 €	3,000.00 €	3,500.00 €
2.5	Consumables - Stationary, printer ink, paper	1,500.00 €	1,500.00 €	1,500.00 €
2.6	Insurance	1,500.00 €	1,500.00 €	1,500.00 €
<b>Item 3. Meeting Support - SC7 (5 days) &amp; WGs (4 days)</b>		<b>14,530.00 €</b>	<b>12,000.00 €</b>	<b>57,347.50 €</b>
3.1	Venue, catering	- €	- €	22,672.50 €
3.2	Secretariat travel and accomodation to meetings	- €	- €	20,145.00 €
3.3	Support staff (rapporteur, assistant, tech)	14,530.00 €	12,000.00 €	14,530.00 €
3.4	SC Chairperson Travel and Accommodation	- €	- €	- €
<b>Item 4 Meeting Support - MoP9 (5 days) &amp; CC6(4 days)</b>		<b>14,990.00 €</b>	<b>85,977.00 €</b>	<b>70,967.00 €</b>
4.1	Venue, catering	- €	21,150.00 €	21,150.00 €
4.2	Secretariat flights, accommodation, allowances	- €	23,488.00 €	23,488.00 €
4.3	Support staff (rapporteur, assistant, tech)	14,990.00 €	12,000.00 €	14,990.00 €
4.4	MoP and CC Chairperson Travel and Accommodation	- €	11,339.00 €	11,339.00 €
4.5	SC Chairperson Travel and Accommodation		18,000.00 €	
<b>Item 5 Representation</b>		<b>5,000.00 €</b>	<b>- €</b>	<b>5,000.00 €</b>
5.1	Secretariat travel, notably for representation purposes	5,000.00 €	- €	5,000.00 €
<b>Item 6 Administration of Article 13.4</b>		<b>9,482.00 €</b>	<b>9,482.00 €</b>	<b>9,482.00 €</b>
6.1	Financial assistance to travel to meetings	9,482.00 €	9,482.00 €	9,482.00 €
6.2	Other activities	- €	- €	- €
<b>Item 7 Communications and IT</b>		<b>11,500.00 €</b>	<b>13,500.00 €</b>	<b>11,800.00 €</b>
7.1	IT related consummables (Printing, telephone and internet services) Database, server management,	3,500.00 €	4,000.00 €	4,400.00 €
7.2	external IT services and software	4,000.00 €	4,000.00 €	3,200.00 €
7.3	IT hardware ( computers, peripherals, etc. )	4,000.00 €	5,500.00 €	4,200.00 €
7.4	Audit IT*****	- €	- €	- €
<b>Item 8 Financial Services</b>		<b>13,320.00 €</b>	<b>13,020.00 €</b>	<b>13,170.00 €</b>
8.1	Accounts and record keeping	9,020.00 €	9,020.00 €	9,020.00 €
8.2	Audit	2,500.00 €	2,500.00 €	2,500.00 €
8.3	Bank Charges	1,800.00 €	1,500.00 €	1,650.00 €

<b>Item 9 Contracts for Specific Services</b>		<b>55,620.00 €</b>	<b>79,075.00 €</b>	<b>30,000.00 €</b>
9.1	Research Activities	55,620.00 €	30,000.00 €	30,000.00 €
9.2	SC Chairperson	- €	37,575.00 €	
9.3	Consultant - Expert - Service Outsourced	- €	11,500.00 €	- €
<b>Item 10 Miscellaneous</b>		<b>5,000.00 €</b>	<b>5,000.00 €</b>	<b>5,000.00 €</b>
10.1	Future staffing			- €
10.2	Miscellaneous	5,000.00 €	5,000.00 €	5,000.00 €
<b>Sub-total</b>		<b>403,044.76 €</b>	<b>633,846.90 €</b>	<b>745,486.31 €</b>
Emergency/contingency funds		10,076.87 €	10,000.00 €	18,637.91 €
<b>INITIAL MOP contribution</b>		<b>413,121.63 €</b>	<b>643,846.90 €</b>	<b>764,124.22 €</b>
<b>Reserve Funds support</b>		***** 35,000.00 €	*** 80,000.00 €	
<b>Excess in 2021 contributions</b>			83,652.00 €	
<b>MOP CONTRIBUTION</b>		<b>413,121.63 €</b>	<b>480,194.90 €</b>	<b>764,124.22 EUR</b>
<p align="center"><b>Notes to the Budget</b></p> <p>* Assumes costs for a family of 4 for new recruits, one child at school and one at home</p> <p>**Budgets for 1 ES, Data Officer recruitment, commencing in 2022; Compliance Officer recruitment commencing in 2023</p> <p>***For 2022 only, reserve funds are to be used to offset the one-off costs associated with recruitment</p> <p>**** 2023 Indicative Budget only , to support data management services to be determined based on the outcomes of the data security audit.</p> <p>***** Budgetted by Reserve funds</p>				

Table 2 : Contribution due by CCP for 2022.

CCPs	Contribution due in 2021	Arrear Contributions (to be added to 2022 contributions)	Initial Contribution	Excess 2021	Contribution for 2022
Australia	21266		23649	3581	<b>20067</b>
China	26162	57242	36242	4405	<b>31836</b>
Cook Islands	101704		124703	17124	<b>107579</b>
EU	80224		85318	13510	<b>71809</b>
France Territories	21527		22477	3625	<b>18852</b>
Japan	74412		71971	12531	<b>59440</b>
Korea	14521		17443	2446	<b>14998</b>
Mauritius	7431	7431	12222	1252	<b>10970</b>
Seychelles <sup>(1)</sup>	7101		9733	1196	<b>8538</b>
Chinese Taipei	118338		133768	19927	<b>113841</b>
Thailand	24087		26320	4056	<b>22264</b>
			<b>563847</b>	<b>83652</b>	<b>480195</b>

<sup>(1)</sup> Seychelles :Due to a misunderstanding, this payment present an EXCESS of EUR 8754.15 which constitutes a credit to SEYCHELLES for the next contribution (2022).

General Account on 8th July 2021	559225
Reserve Funds on 8th July 2021	176773

Table 3: SC Research activities with budgets requested

ANNEX O

PROPOSALS TO MOP8					
	2022-2023 Activities	2022 budget	Budget obtained from EU Grant	Priority (SC6)	Comments
PAEWG	Bioregionalisation searches for smaller spatial entities within a larger area using a range of environmental information.	15,000			
PAEWG	Investigation of a holistic framework for assessing and preventing Significant Adverse Impacts on VMEs	EU Grant Agreement	15000	High	Drafting of Terms of reference in progress
PAEWG	Support work on benthic bioregionalization (underway) and (future) investigate possible habitat suitability modelling	EU Grant Agreement	15000		
PAEWG	Investigation of representative protected areas (relevant to the bioregionalization work)	EU Grant Agreement	15000		
SERAWG	Acoustic data process if the investigation (2021) proves the feasibility to use.	15,000			To be confirmed after the investigation done in 2021
SERAWG	Alfonsino Assessment	EU Grant Agreement	25,000	High	
SERAWG	Age validation using bomb calorimetry	EU Grant Agreement	15,000	High	Additional otolith ageing - growth equation for all ages
SERAWG	Saya de Malha Bank Fisheries	EU Grant Agreement	15000		Drafting of Terms of reference in progress
SERAWG	Updates to the ERA work - update the Teleosts ERAs with better and more recent input data				Funded by AUS
SERAWG	Biologically appropriate catch limits for Patagonian Toothfish in Del Cano Rise and Williams Ridge				Not budgeted. To be confirmed if to be taken in charge by CCPs concerned, or need a budget line.
SERAWG	Patagonian Toothfish tagging program				Tags from CCAMLR to be used. Order could be done by Cies on the following link ( <a href="https://www.ccamlr.org/en/science/tag-ordering-information">https://www.ccamlr.org/en/science/tag-ordering-information</a> )
SC	Travel and accommodation for Expert				To be provisioned/included within each ToR and included as a specific (optional) line in the Contract value
	Balance suggested for the 2022 Budget line Contract for Specific Service	30000			

## MoP-08-18

8<sup>th</sup> Meeting of the Parties of the Southern Indian Ocean Fisheries Agreement  
(MoP8)  
5-9 July 2021 (online)

### LETTER OF INTENT Between THE INDIAN OCEAN TUNA COMMISSION and the SOUTHERN INDIAN OCEAN FISHERIES AGREEMENT

*Relates to agenda item: 12.3*      Working paper ☒ Info paper ☐

## IOTC

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### Abstract

This document presents the letter of intent between IOTC and SIOFA prepared by IOTC and adopted during its 25<sup>th</sup> Session in June 2021.

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### Recommendations *(working papers only)*

The MoP to consider the Letter of Intent.

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**LETTER OF INTENT**  
**Between**  
**THE INDIAN OCEAN TUNA COMMISSION**  
**and the**  
**MEETING OF THE PARTIES TO THE SOUTHERN INDIAN OCEAN FISHERIES**  
**AGREEMENT INCLUDING ITS SUBSIDIARY BODIES**

The Indian Ocean Tuna Commission (hereafter IOTC) and the Meeting of the Parties to the Southern Indian Ocean fisheries Agreement including its subsidiary bodies (hereafter SIOFAMOP to SIOFA);<sup>[KR1]</sup>

**NOTING** that the objectives of the Southern Indian Ocean Fisheries Agreement (hereinafter the SIOFA Agreement)<sup>SIOFA</sup> are to ensure the long-term conservation and sustainable use of the fishery resources in the Area through cooperation among the Contracting Parties, and to promote the sustainable development of fisheries in the Area, taking into account the needs of developing States bordering the Area that are Contracting Parties to the SIOFA Agreement, and in particular the least developed among them and small-island developing States;

**NOTING ALSO** that the SIOF SIOFA Agreement covers resources of fish, molluscs, crustaceans and other sedentary species within the Area, but excluding highly migratory species listed in Annex I of the 1982 United Nations Convention on the Law of the Sea and sedentary species subject to the fishery jurisdiction of coastal states pursuant to Article 77(4) of the 1982 United Nations Convention on the Law of the Sea;

**NOTING FURTHER** that the Agreement for the Establishment of the Indian Ocean Tuna Commission (hereafter IOTC Agreement) seeks to promote cooperation with a view to ensuring, through appropriate management, the conservation and optimum utilization of tuna and tuna-like species and to and encourage the sustainable development fisheries based on such stocks;

**RECOGNISING** that Article 16 of the SIOFA SIOF Agreement calls upon the contracting parties to cooperate closely with other international fisheries and related organizations in matters of mutual interest, in particular with the South West Indian Ocean Fisheries Commission and any other regional fisheries management organizations with competence over high seas waters adjacent to the its Area<sup>[KR2]</sup> of competence;

**RECOGNISING FURTHER** that Article XV of the IOTC Agreement calls on the IOTC to cooperate and make appropriate arrangements with other intergovernmental organization, especially those active in the fisheries sector, which might contribute to the work and further the objectives of the Commission. In particular, with any intergovernmental organization or institution dealing with tunas in the area of competence of the IOTC and to seek to promote complementarity and to avoid duplication and conflict;

**NOTING** that the IOTC Agreement and SIOF Agreement areas of competence partially overlap;

**CONSCIOUS** that some members of the IOTC are also and some Contracting Parties to SIOF Agreement<sup>[KR3]</sup> belong to both organizations;



**AWARE** that there are stocks and species respectively covered by the IOTC Agreement and the SIOF [Agreement](#) that migrate through their shared / respective geographic area of competence.

**DESIRING** to put into place arrangements and procedures to promote and facilitate the cooperation called for by the IOTC Agreement and the SIOF Agreement in order to enhance the conservation and sustainable use of species which are within their mutual competence ~~of each organizations~~;

**DESIRING FURTHER** to promote complementarity between ~~the two organizations~~ the IOTC and the MOP to SIOFA;

**NOW THEREFORE** ~~the IOTC and the SIOFA~~ record the following understanding:

## 1. AREAS OF COOPERATION

The IOTC and the MOP to SIOFA agree to establish and maintain consultation, co-operation and collaboration in respect of matters of common interest to both the IOTC and the MOP to SIOFA ~~two~~ <sup>[KR4]</sup> organizations, including but not limited to, the following areas:

- a) exchange of data and information consistent with their information-sharing policies ~~of each organization~~;
- b) collaboration on research efforts relating to stocks and species of mutual interest, including stock assessments; and
- c) conservation and management measures for stocks and species of mutual interest.

## 2. MANNER OF COOPERATION

Cooperation between the IOTC and the MOP to SIOFA ~~shall~~ <sup>[KR5]</sup> should include:

- a) reciprocal participation as observers in relevant meetings of ~~each organization~~ the IOTC and the MOP to SIOFA, including those of relevant subsidiary bodies;
- b) information sharing about stocks and species of mutual interest;
- c) clear definition of the species of interest of each organization for management purposes (e.g., pelagic sharks); <sup>[KR6]</sup>
- d) development of processes to promote harmonization and compatibility of conservation and management measures ~~as~~ where relevant; and
- e) exchange of relevant meeting reports, information, technologies, research data and results, project plans, documents, and publications regarding matters of mutual interest.

## 3. MODIFICATION, AMENDMENT

This Letter of Intent may be modified at any time by the mutual written consent of both ~~Organizations~~ the IOTC and the MOP to SIOFA.

## 4. LEGAL STATUS

This Letter of Intent <sup>[KR7]</sup> does not create or alter legally binding rights and obligations. ~~This Letter of Intent does not alter the obligations of the Members of the IOTC nor the Meeting of the Parties to the MOP of either Organisation to comply with the Conservation and Management Measures adopted under the IOTC Convention and or the SIOF SIOFA Agreement.~~

## 5. COMING INTO EFFECT AND TERMINATION

This [Letter of Intent](#) will continue to operate for five years from the date of signature. At that stage both sides will review the operation of the [Letter of Intent](#) and decide whether it will be renewed or modified.

- a) Either side may terminate this [Letter of Intent](#) by giving six months prior written notice to the other side.
- b) This [Letter of Intent](#) will come into effect on the day of [both](#) signatures.

Signed on behalf of the Indian Ocean Tuna Commission and the [Meeting of the Parties to the](#) Southern Indian Ocean Fisheries Agreement [including its subsidiaries bodies](#):

Name

Name

Name  
IOTC Chairperson

The Chairperson of the MoP to the SIOF Agreement

Date:

Date:

Name  
IOTC Chairperson

Date:

Name  
SIOFA Executive Secretary

Date: